

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111120\
 Data File : VD067591.D
 Acq On : 11 Nov 2020 09:52
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Nov 12 00:06:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D110320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Nov 04 00:56:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	300567	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	401877	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	378787	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	192672	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.33	65	113302	43.11	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.22%	
35) Dibromofluoromethane	7.92	113	117454	48.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.02%	
50) Toluene-d8	10.34	98	409727	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	
62) 4-Bromofluorobenzene	12.64	95	144552	49.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.42%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	118437	48.547	ug/l	98
3) Chloromethane	2.21	50	74405	39.753	ug/l	98
4) Vinyl Chloride	2.35	62	90591	43.412	ug/l	99
5) Bromomethane	2.77	94	70075	41.431	ug/l	91
6) Chloroethane	2.92	64	54570	42.417	ug/l	99
7) Trichlorofluoromethane	3.28	101	255741	47.332	ug/l	97
8) Diethyl Ether	3.71	74	48711	44.741	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	126586	46.413	ug/l	97
10) Methyl Iodide	4.30	142	129127	44.174	ug/l	99
11) Tert butyl alcohol	5.20	59	30456	270.575	ug/l #	79
12) 1,1-Dichloroethene	4.07	96	115125	45.890	ug/l	93
13) Acrolein	3.92	56	29723	254.259	ug/l	99
14) Allyl chloride	4.71	41	120082	44.725	ug/l	98
15) Acrylonitrile	5.42	53	90580	225.070	ug/l	99
16) Acetone	4.16	43	99083	251.937	ug/l	98
17) Carbon Disulfide	4.41	76	336023	43.712	ug/l	98
18) Methyl Acetate	4.71	43	36021	44.322	ug/l	99
19) Methyl tert-butyl Ether	5.47	73	232808	47.047	ug/l	96
20) Methylene Chloride	4.96	84	120919	43.526	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	131863	45.128	ug/l	98
22) Diisopropyl ether	6.36	45	239355	45.747	ug/l	96
23) Vinyl Acetate	6.30	43	639457	233.482	ug/l	100
24) 1,1-Dichloroethane	6.26	63	194556	45.453	ug/l	97
25) 2-Butanone	7.21	43	93459	222.397	ug/l	90
26) 2,2-Dichloropropane	7.21	77	219945	48.687	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	142559	47.005	ug/l	99
28) Bromochloromethane	7.55	49	68863	45.229	ug/l	93
29) Tetrahydrofuran	7.56	42	57093	226.809	ug/l	97
30) Chloroform	7.71	83	246632	48.298	ug/l	99
31) Cyclohexane	7.98	56	164878	43.255	ug/l #	86
32) 1,1,1-Trichloroethane	7.91	97	252348	47.895	ug/l	99
36) 1,1-Dichloropropene	8.11	75	177888	51.712	ug/l	98
37) Ethyl Acetate	7.29	43	45073	50.469	ug/l	99
38) Carbon Tetrachloride	8.10	117	245161	54.852	ug/l	96

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	214118	52.884	ug/l	95
40) Benzene	8.36	78	484867	52.035	ug/l	97
41) Methacrylonitrile	7.56	41	63630	119.193	ug/l #	25
42) 1,2-Dichloroethane	8.43	62	149467	51.916	ug/l	99
43) Isopropyl Acetate	8.46	43	91015	51.530	ug/l	99
44) Trichloroethene	9.11	130	157646	51.453	ug/l	91
45) 1,2-Dichloropropane	9.39	63	101030	50.148	ug/l	97
46) Dibromomethane	9.48	93	67539	52.725	ug/l	98
47) Bromodichloromethane	9.66	83	186027	53.430	ug/l	97
48) Methyl methacrylate	9.46	41	46325	50.797	ug/l	94
49) 1,4-Dioxane	9.47	88	13587	1044.830	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	224851	266.185	ug/l	99
52) Toluene	10.41	92	341851	54.773	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	158428	53.130	ug/l	100
54) cis-1,3-Dichloropropene	10.09	75	186733	52.707	ug/l	98
55) 1,1,2-Trichloroethane	10.81	97	91013	53.699	ug/l	96
56) Ethyl methacrylate	10.66	69	94376	53.922	ug/l	97
57) 1,3-Dichloropropane	10.95	76	143500	52.615	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	220011	269.558	ug/l	98
59) 2-Hexanone	10.98	43	169447	286.894	ug/l	98
60) Dibromochloromethane	11.14	129	135978	54.235	ug/l	99
61) 1,2-Dibromoethane	11.25	107	88605	52.088	ug/l	99
64) Tetrachloroethene	10.88	164	145892	52.006	ug/l	98
65) Chlorobenzene	11.67	112	374373	51.309	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.74	131	150169	52.218	ug/l	98
67) Ethyl Benzene	11.75	91	655945	52.536	ug/l	100
68) m/p-Xylenes	11.86	106	514990	106.020	ug/l	99
69) o-Xylene	12.18	106	231344	53.343	ug/l	99
70) Styrene	12.20	104	397905	52.653	ug/l	99
71) Bromoform	12.37	173	76939	52.458	ug/l #	97
73) Isopropylbenzene	12.48	105	665495	53.445	ug/l	99
74) N-amyl acetate	12.29	43	83298	50.838	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	88321	52.015	ug/l	94
76) 1,2,3-Trichloropropane	12.78	75	122203	105.138	ug/l #	100
77) Bromobenzene	12.77	156	159101	52.027	ug/l	96
78) n-propylbenzene	12.83	91	756337	53.102	ug/l	100
79) 2-Chlorotoluene	12.91	91	427001	52.777	ug/l	99
80) 1,3,5-Trimethylbenzene	12.96	105	576243	54.173	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	28385	49.582	ug/l	97
82) 4-Chlorotoluene	13.01	91	461069	53.135	ug/l	98
83) tert-Butylbenzene	13.23	119	498697	55.318	ug/l	97
84) 1,2,4-Trimethylbenzene	13.27	105	570379	53.869	ug/l	99
85) sec-Butylbenzene	13.41	105	664804	54.627	ug/l	99
86) p-Isopropyltoluene	13.52	119	633648	53.918	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	302508	51.842	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	299726	50.727	ug/l	100
89) n-Butylbenzene	13.85	91	566518	55.809	ug/l	99
90) Hexachloroethane	14.11	117	118383	53.491	ug/l	99
91) 1,2-Dichlorobenzene	13.90	146	265197	52.512	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15720	52.290	ug/l	98

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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

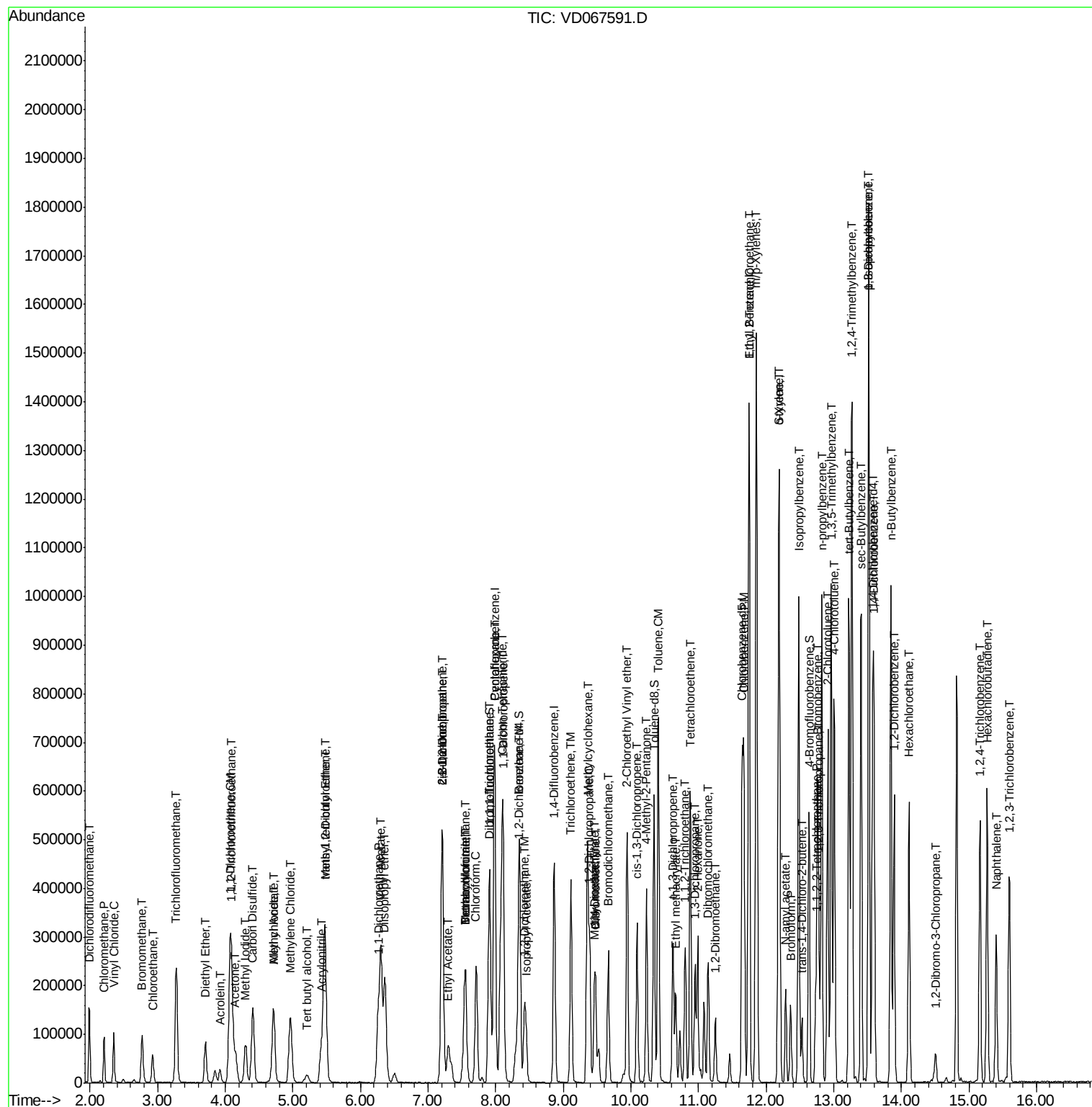
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	183678	53.587	ug/l	99
94) Hexachlorobutadiene	15.27	225	121397	52.919	ug/l	99
95) Naphthalene	15.41	128	289192	54.671	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	154336	52.581	ug/l	99

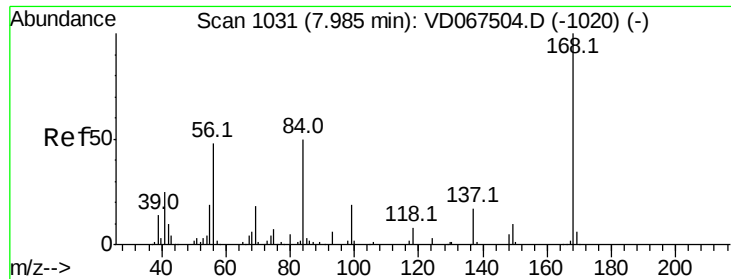
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD111120\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

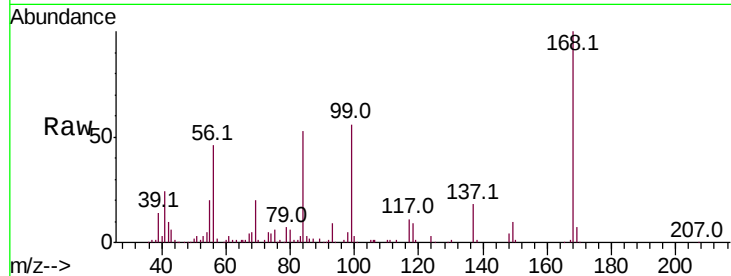
VSTDCCC050

Tot Ion:168 Resp: 300567

Ion Ratio Lower Upper

168 100

99 55.9 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

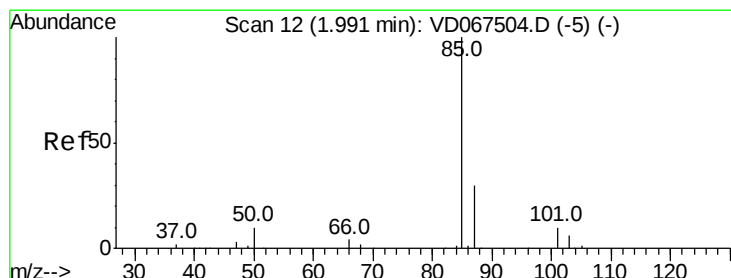
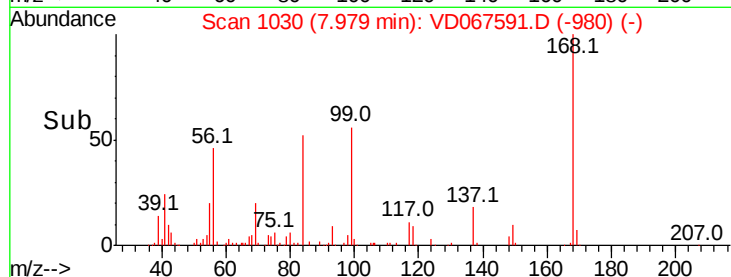
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 48.547 ug/l

RT: 1.99 min Scan# 11

Delta R.T. -0.01 min

Lab File: VD067591.D

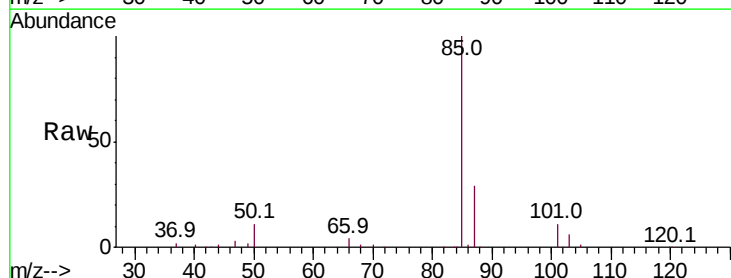
Acq: 11 Nov 2020 09:52

Tgt Ion: 85 Resp: 118437

Ion Ratio Lower Upper

85 100

87 29.3 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

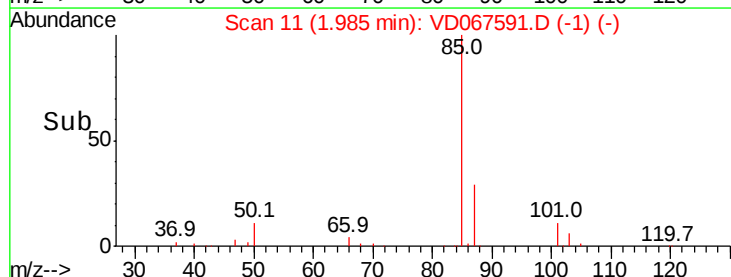
40000

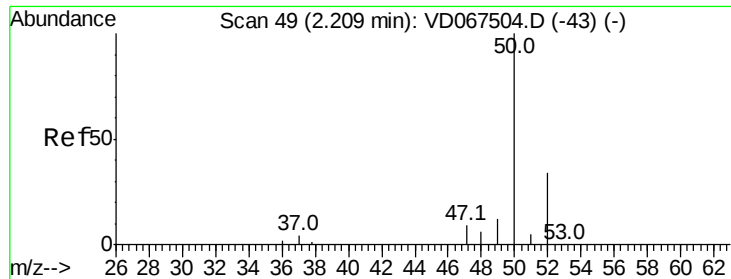
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 39.753 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

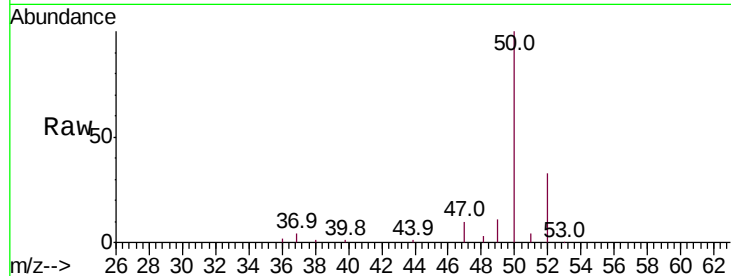
VSTDCCC050

Tot Ion: 50 Resp: 74405

Ion Ratio Lower Upper

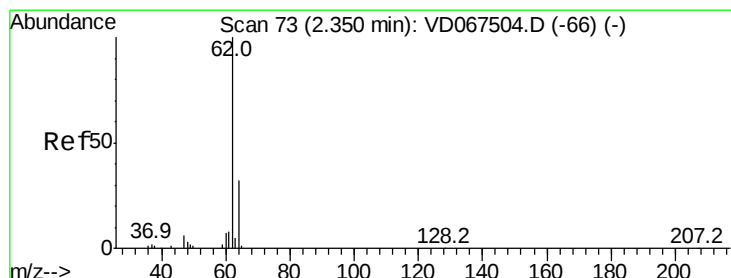
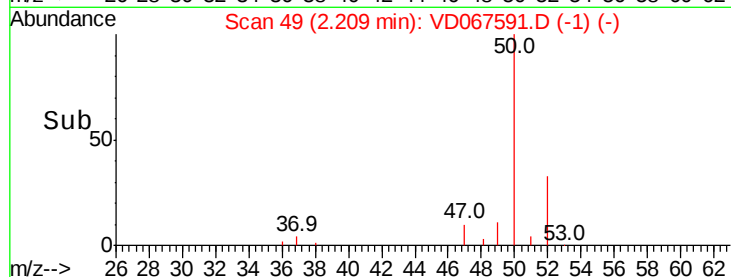
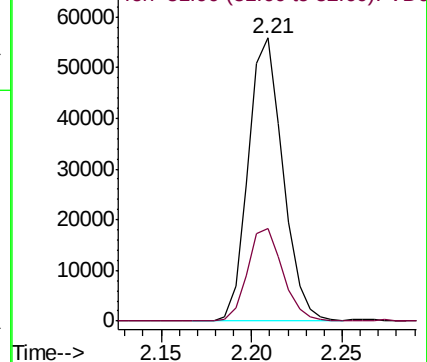
50 100

52 32.8 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 43.412 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067591.D

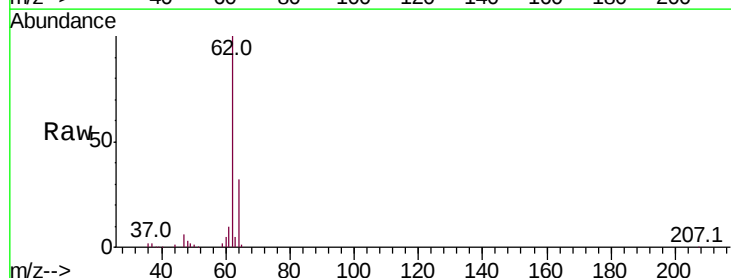
Acq: 11 Nov 2020 09:52

Tgt Ion: 62 Resp: 90591

Ion Ratio Lower Upper

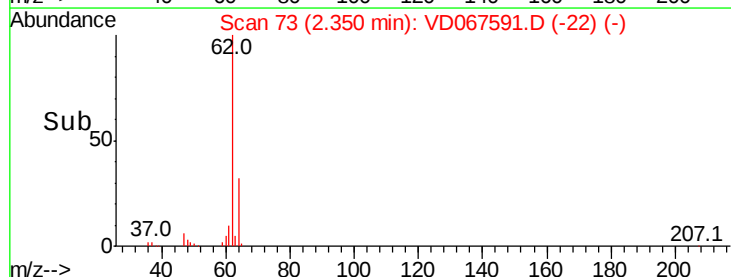
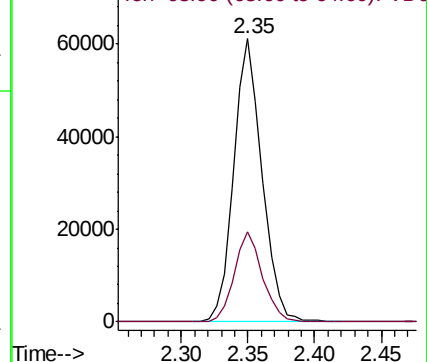
62 100

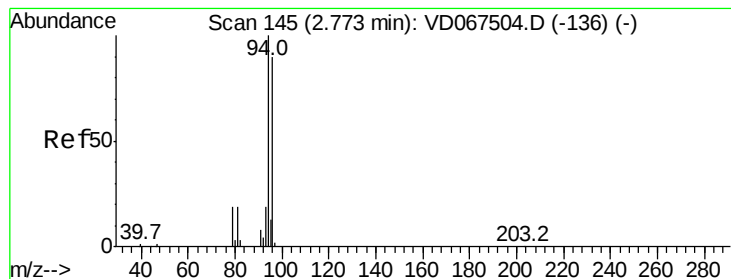
64 31.7 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 41.431 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

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ClientSampleId :

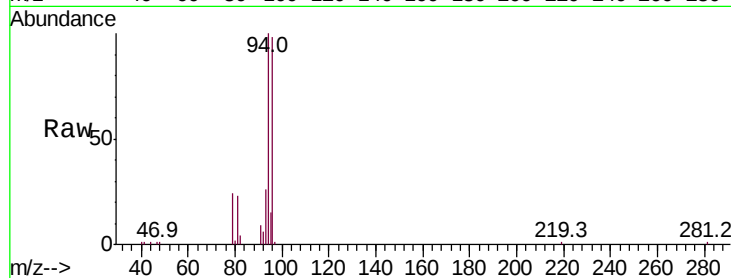
VSTDCCC050

Tot Ion: 94 Resp: 70075

Ion Ratio Lower Upper

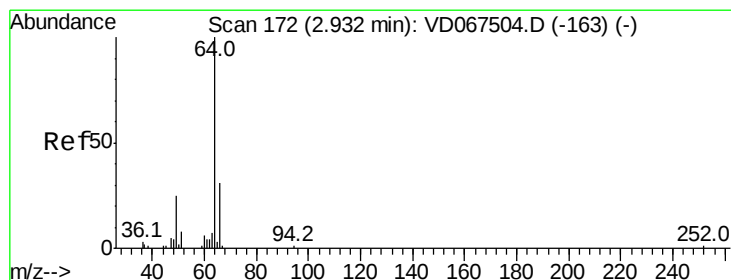
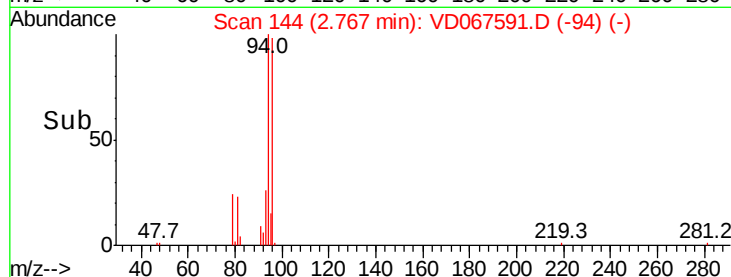
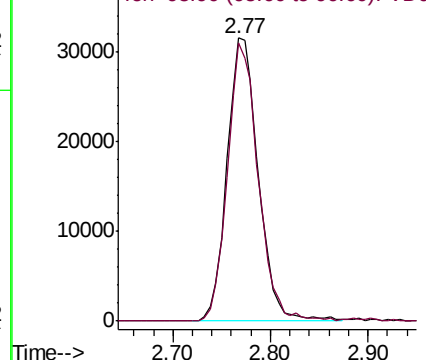
94 100

96 98.5 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 42.417 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067591.D

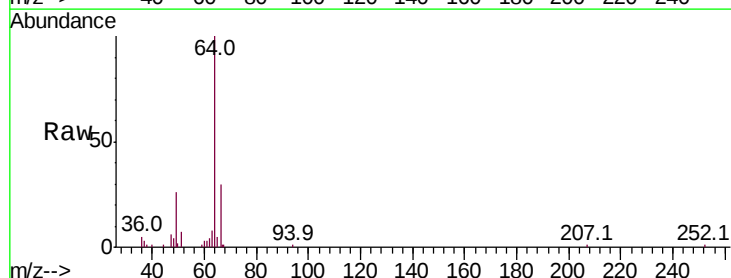
Acq: 11 Nov 2020 09:52

Tgt Ion: 64 Resp: 54570

Ion Ratio Lower Upper

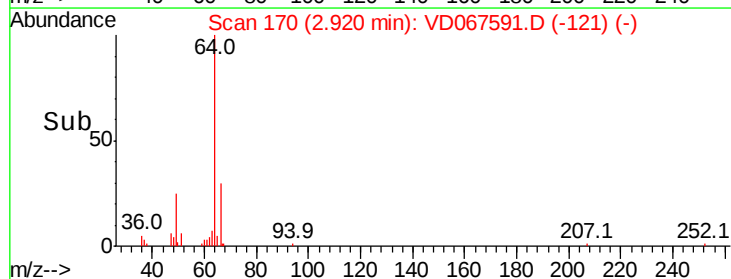
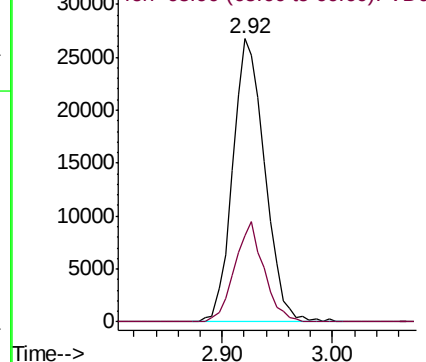
64 100

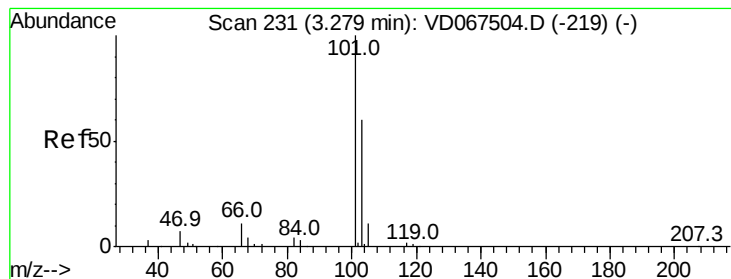
66 30.4 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC





#7

Trichlorofluoromethane

Concen: 47.332 ug/l

RT: 3.28 min Scan# 231

Delta R.T. -0.00 min

Lab File: VD067591.D

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Instrument :

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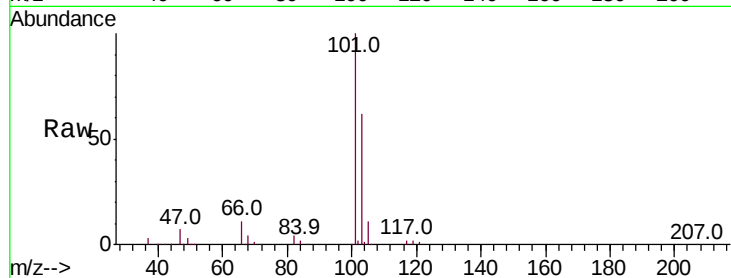
VSTDCCC050

Tot Ion:101 Resp: 255741

Ion Ratio Lower Upper

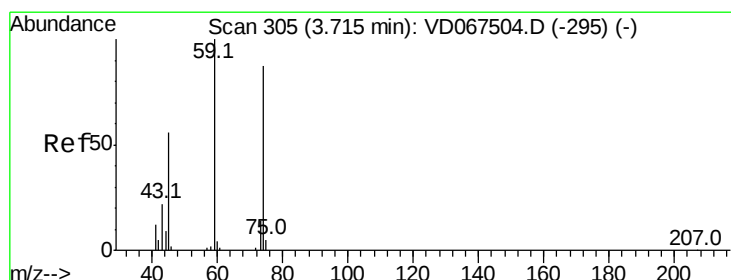
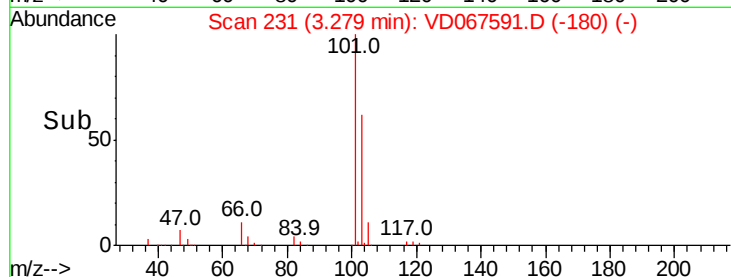
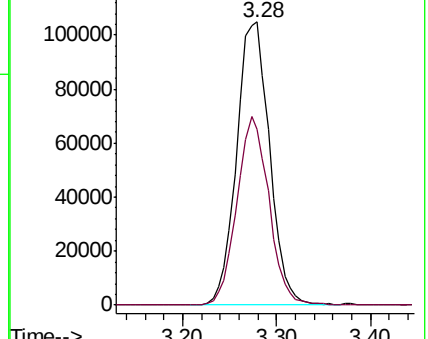
101 100

103 62.2 48.1 72.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 44.741 ug/l

RT: 3.71 min Scan# 304

Delta R.T. -0.01 min

Lab File: VD067591.D

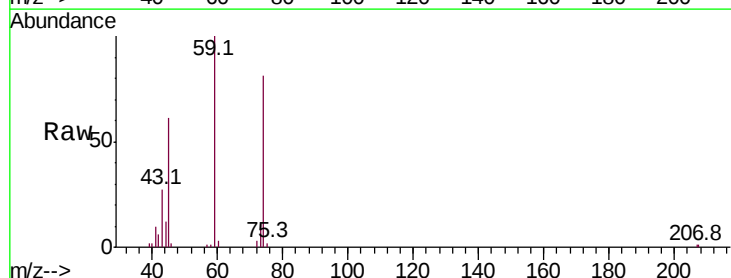
Acq: 11 Nov 2020 09:52

Tgt Ion: 74 Resp: 48711

Ion Ratio Lower Upper

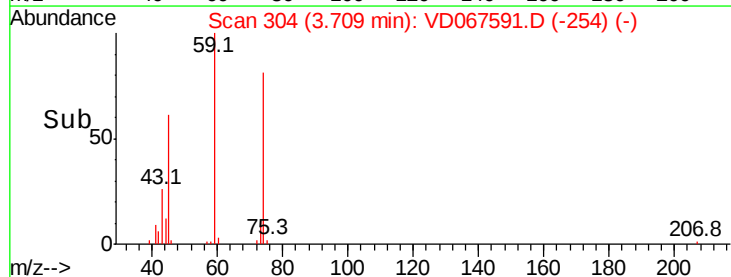
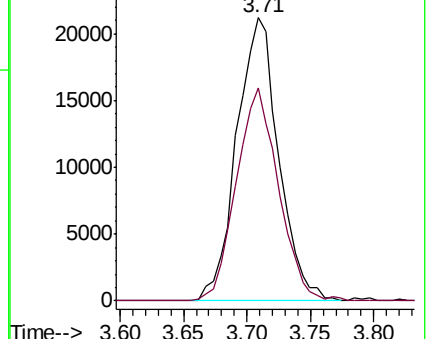
74 100

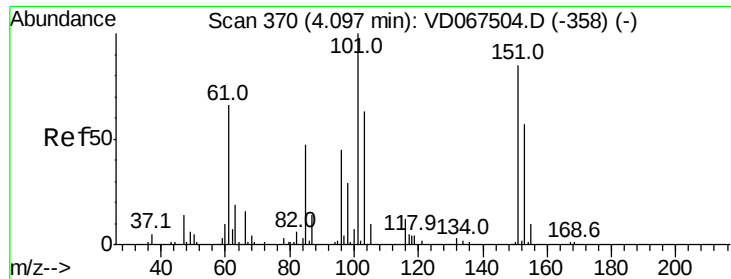
45 75.7 38.2 114.6



Abundance Ion 74.00 (73.70 to 74.70): VDC

Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 46.413 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

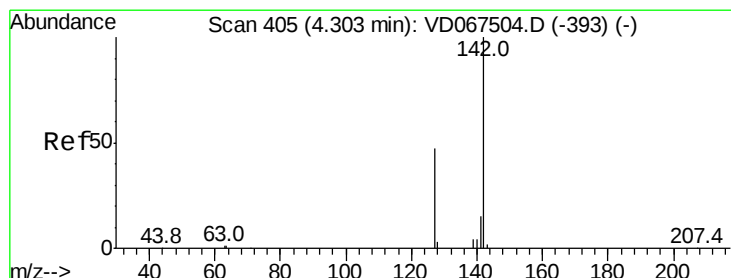
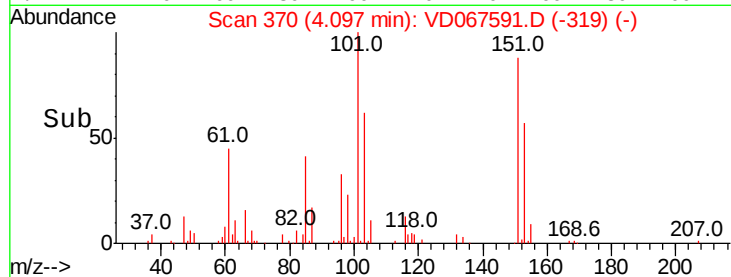
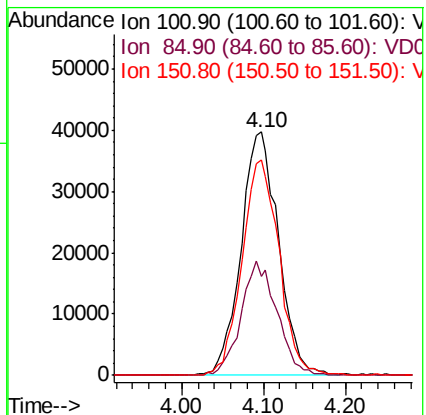
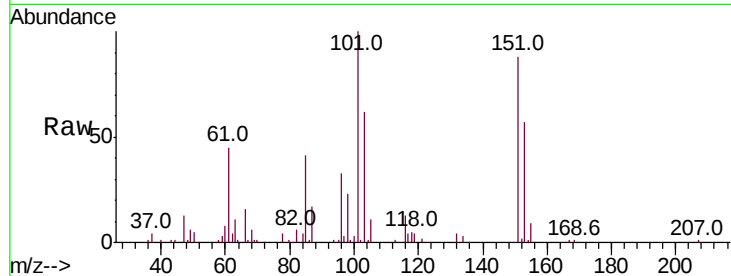
Tot Ion:101 Resp: 126586

Ion Ratio Lower Upper

101 100

85 45.0 34.4 51.6

151 87.6 68.1 102.1



#10

Methyl Iodide

Concen: 44.174 ug/l

RT: 4.30 min Scan# 404

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

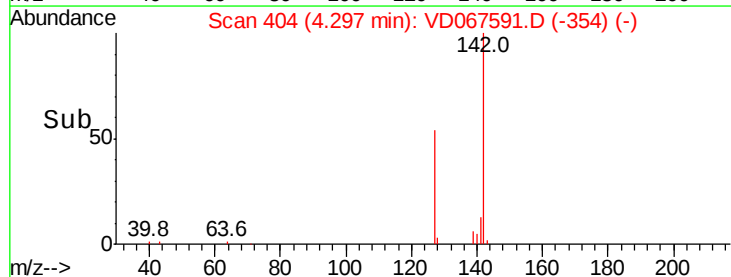
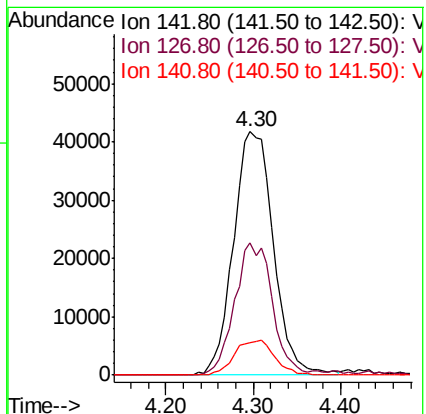
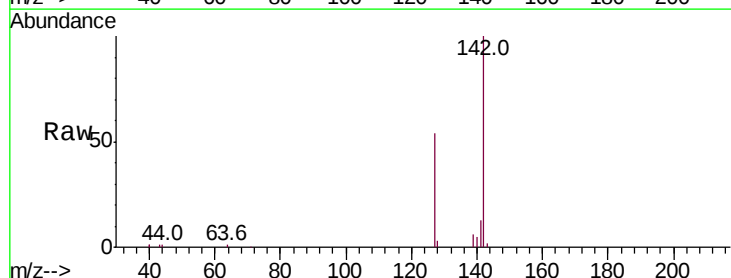
Tgt Ion:142 Resp: 129127

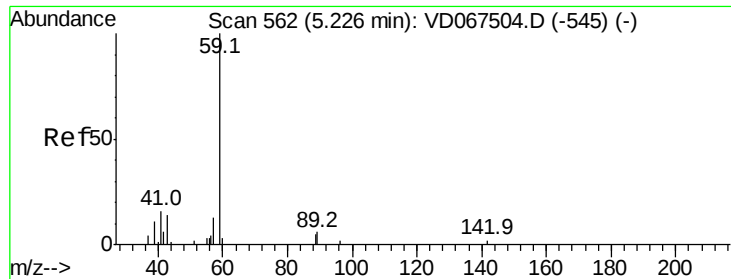
Ion Ratio Lower Upper

142 100

127 50.9 40.0 60.0

141 14.3 11.7 17.5



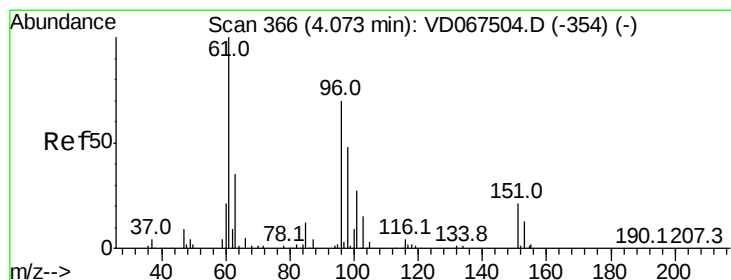
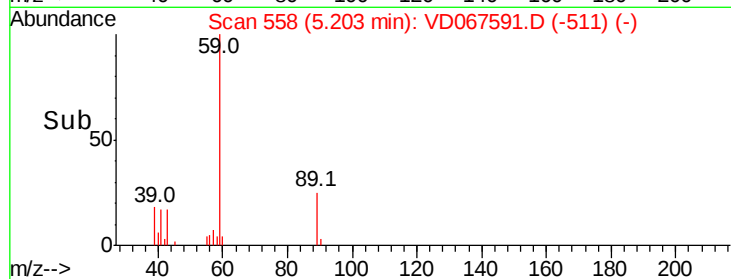
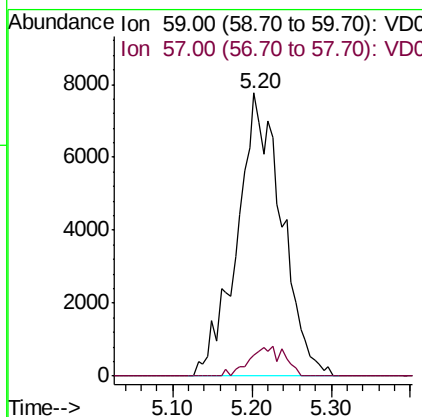
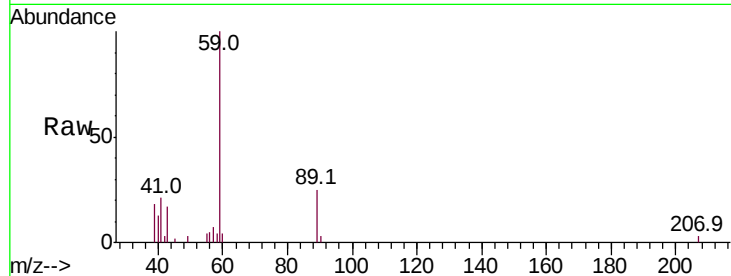


#11

Tert butyl alcohol
 Concen: 270.575 ug/l
 RT: 5.20 min Scan# 558
 Delta R.T. -0.02 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

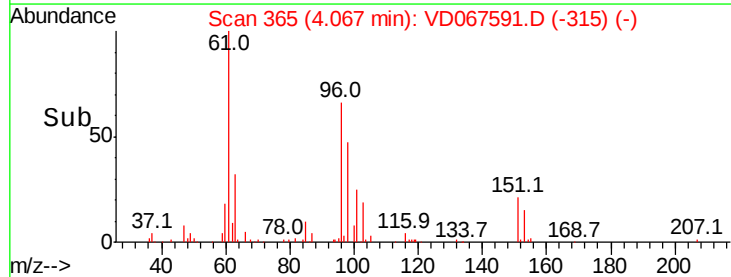
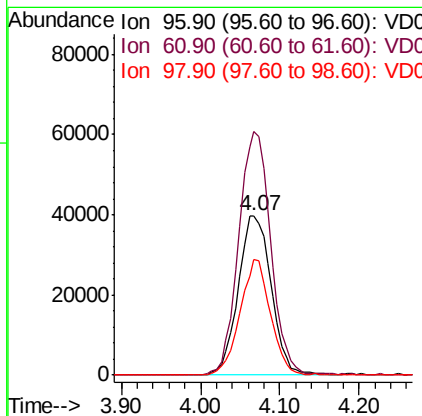
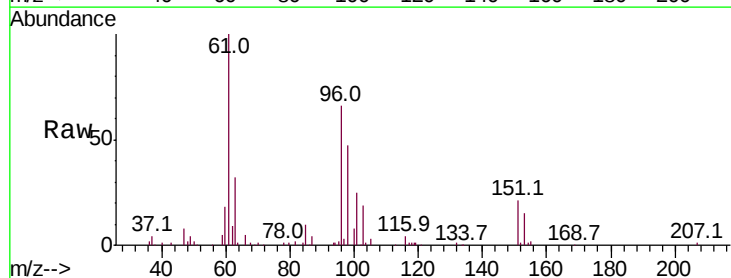
Tot Ion: 59 Resp: 30456
 Ion Ratio Lower Upper
 59 100
 57 0.0 5.9 8.9#

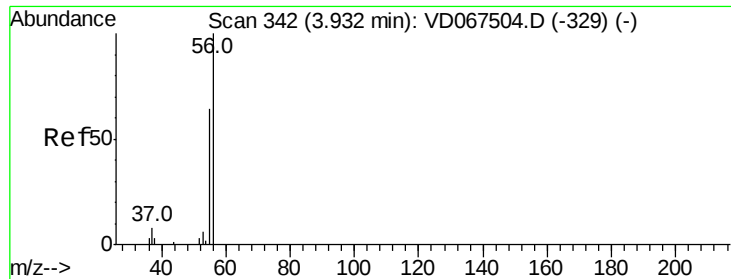


#12

1,1-Dichloroethene
 Concen: 45.890 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Tgt Ion: 96 Resp: 115125
 Ion Ratio Lower Upper
 96 100
 61 152.7 114.5 171.7
 98 72.2 54.5 81.7





#13

Acrolein

Concen: 254.259 ug/l

RT: 3.92 min Scan# 340

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

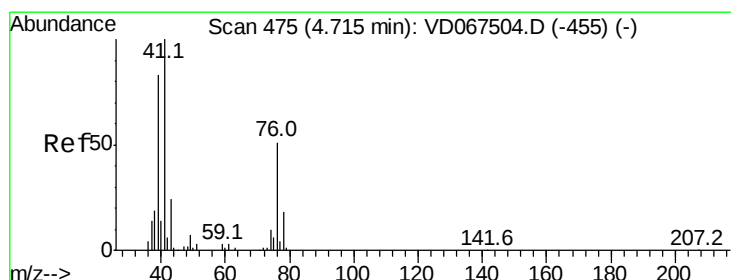
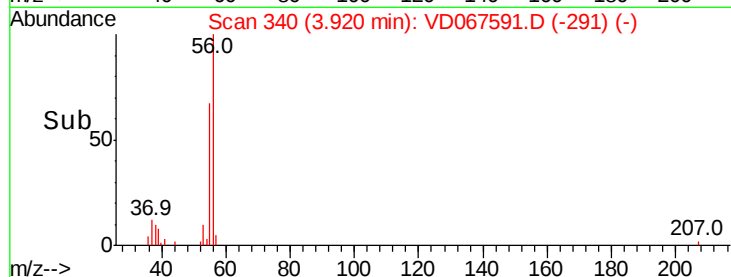
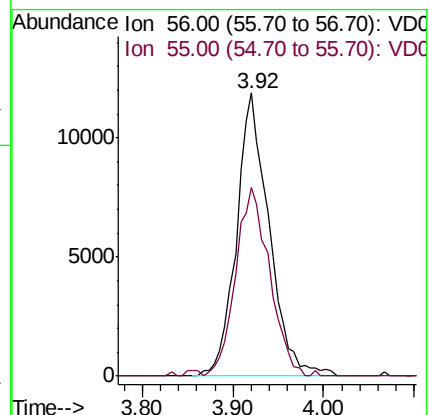
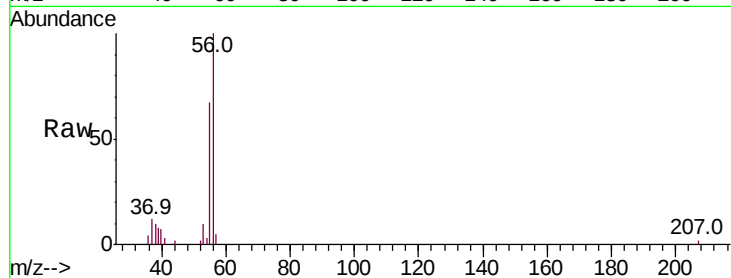
VSTDCCC050

Tot Ion: 56 Resp: 29723

Ion Ratio Lower Upper

56 100

55 69.0 55.8 83.8



#14

Allyl chloride

Concen: 44.725 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

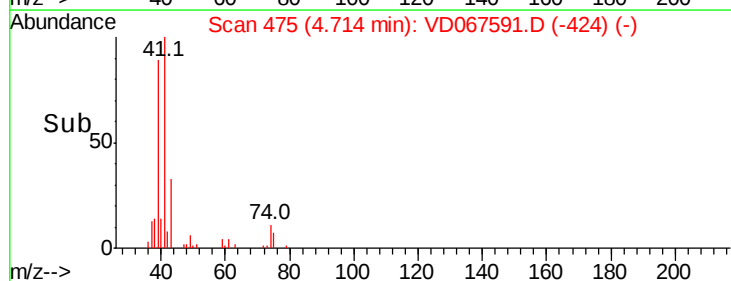
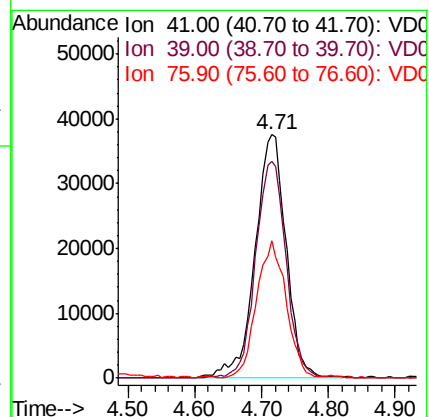
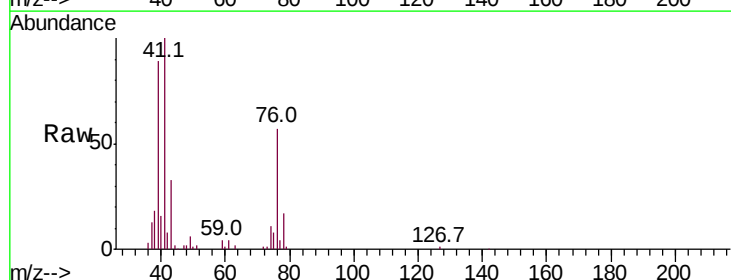
Tgt Ion: 41 Resp: 120082

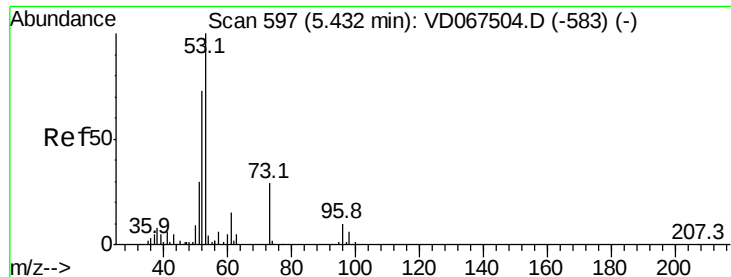
Ion Ratio Lower Upper

41 100

39 86.9 67.4 101.0

76 53.9 42.2 63.2





#15

Acrylonitrile

Concen: 225.070 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

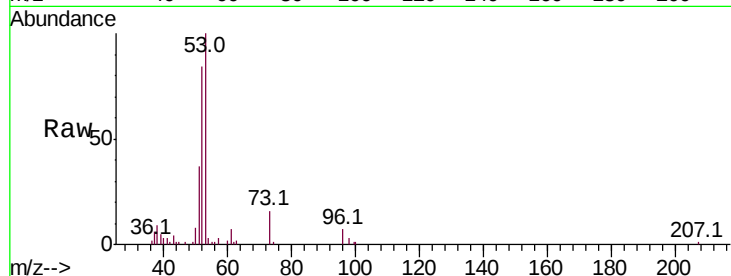
Tot Ion: 53 Resp: 90580

Ion Ratio Lower Upper

53 100

52 81.9 64.8 97.2

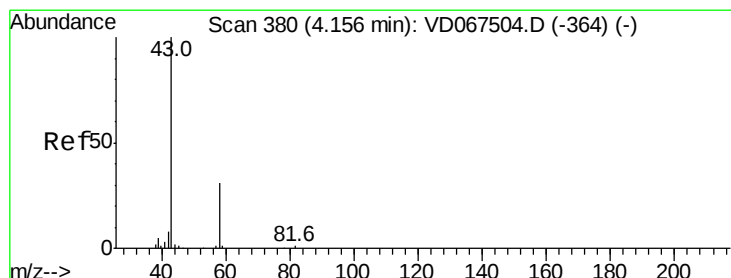
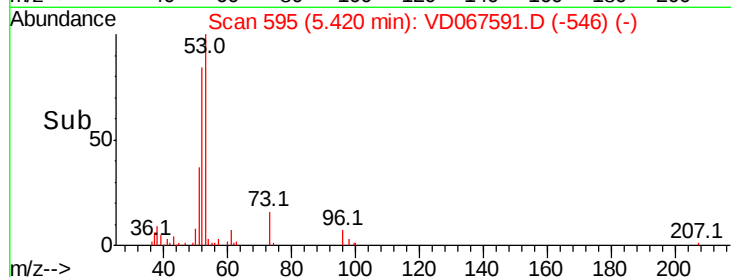
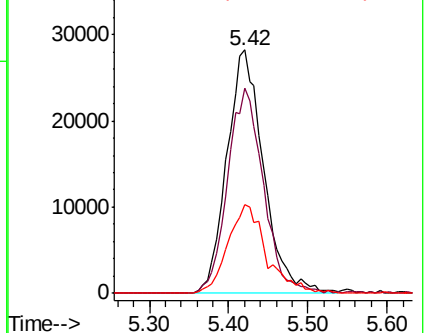
51 38.2 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 251.937 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067591.D

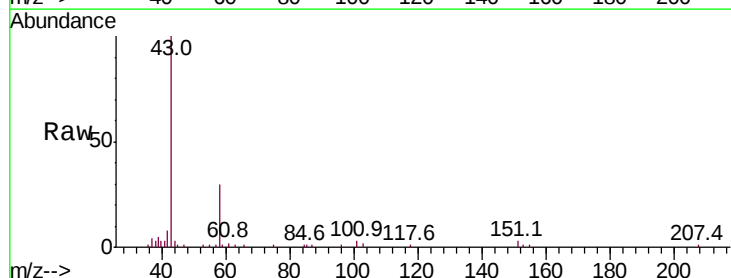
Acq: 11 Nov 2020 09:52

Tgt Ion: 43 Resp: 99083

Ion Ratio Lower Upper

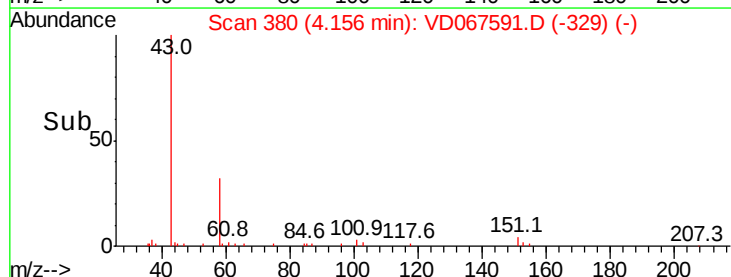
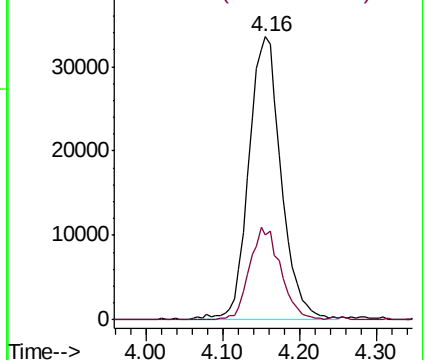
43 100

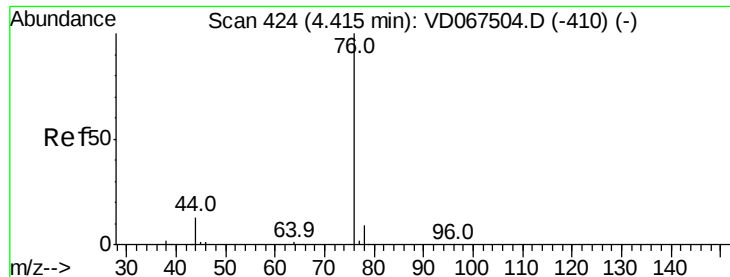
58 30.2 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

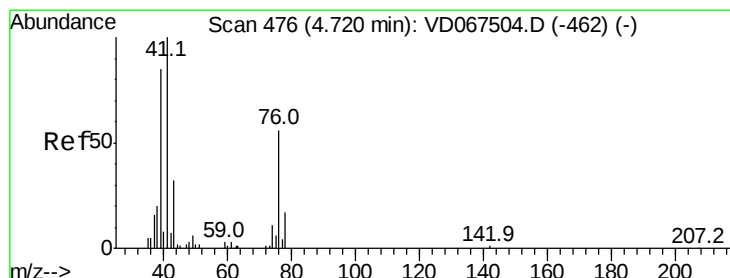
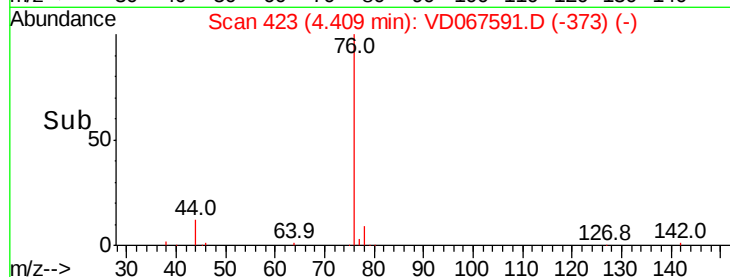
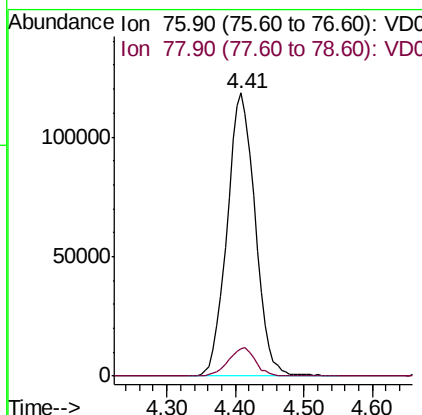
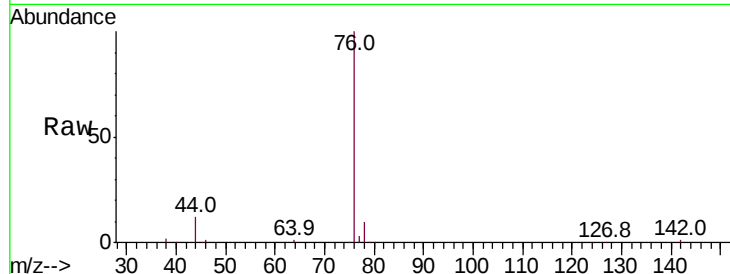




#17
Carbon Disulfide
Concen: 43.712 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

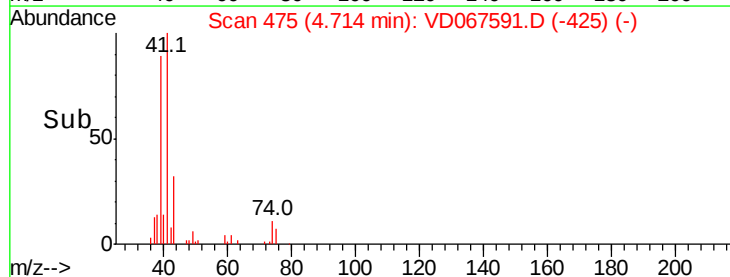
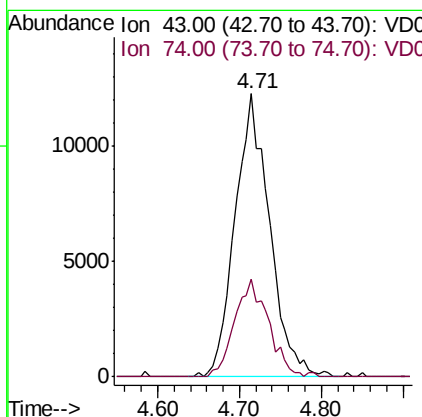
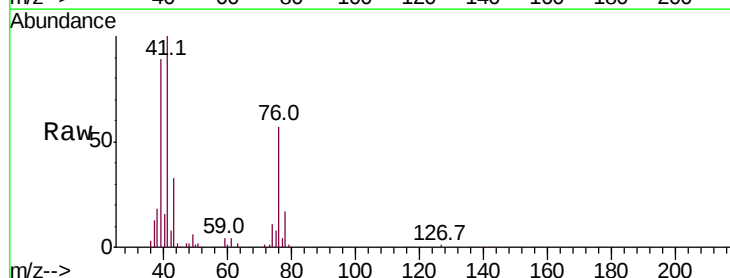
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

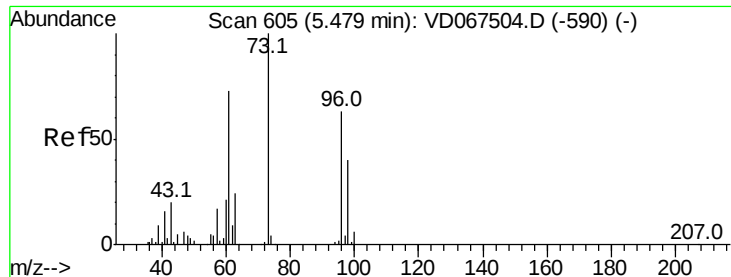
Tot Ion: 76 Resp: 336023
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#18
Methyl Acetate
Concen: 44.322 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion: 43 Resp: 36021
Ion Ratio Lower Upper
43 100
74 33.7 27.2 40.8

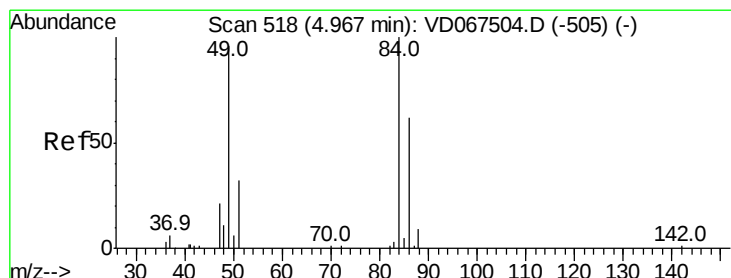
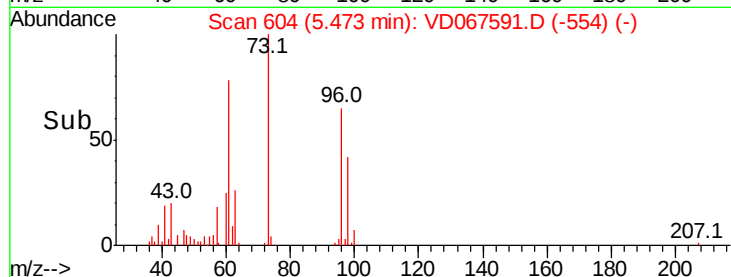
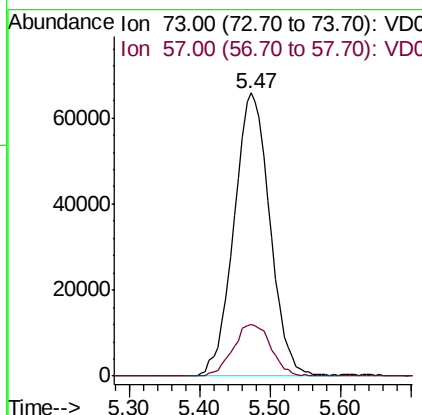
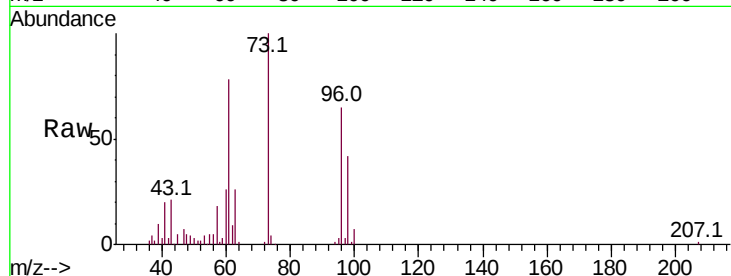




#19
Methyl tert-butyl Ether
Concen: 47.047 ug/l
RT: 5.47 min Scan# 604
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

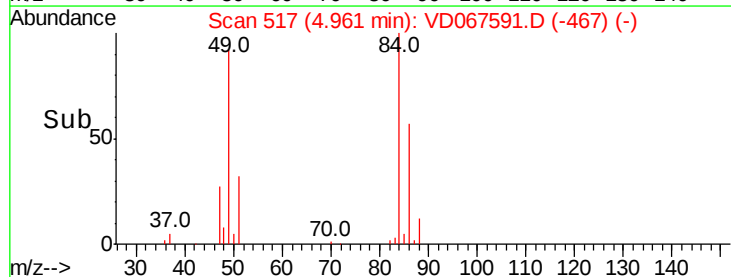
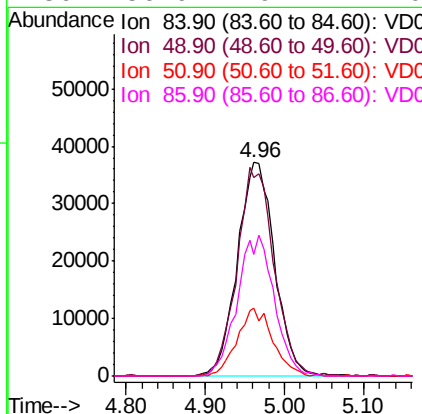
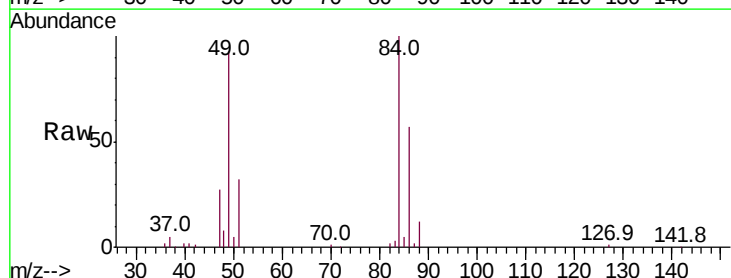
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

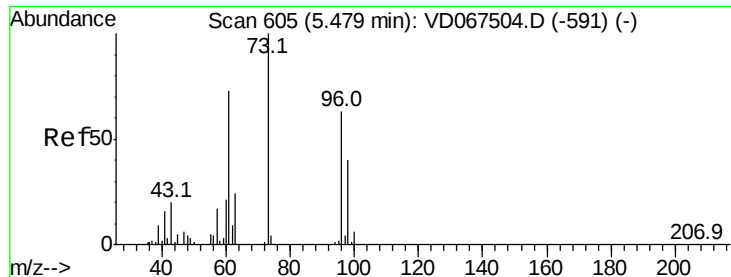
Tot Ion: 73 Resp: 232808
Ion Ratio Lower Upper
73 100
57 18.3 13.4 20.0



#20
Methylene Chloride
Concen: 43.526 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion: 84 Resp: 120919
Ion Ratio Lower Upper
84 100
49 92.7 77.0 115.4
51 31.8 25.4 38.2
86 56.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 45.128 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

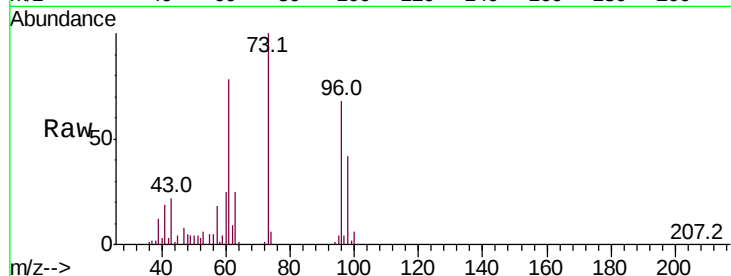
Tot Ion: 96 Resp: 131863

Ion Ratio Lower Upper

96 100

61 114.6 93.0 139.6

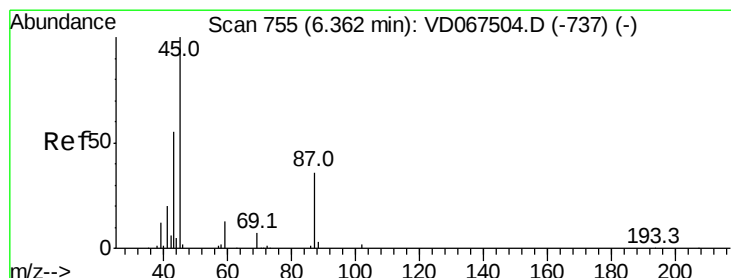
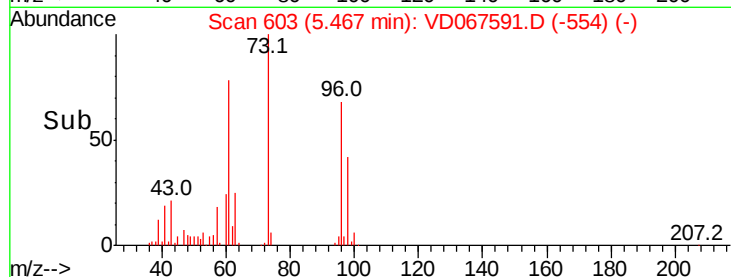
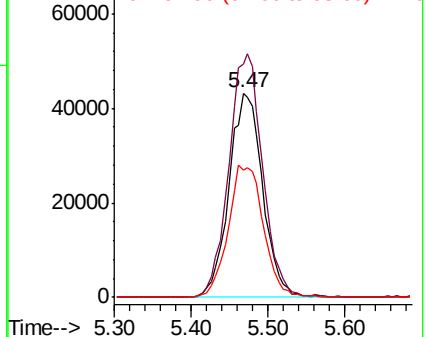
98 62.2 50.9 76.3



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 45.747 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Tgt Ion: 45 Resp: 239355

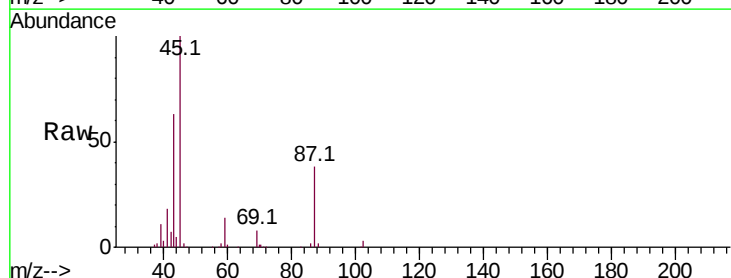
Ion Ratio Lower Upper

45 100

43 62.4 46.2 69.4

87 38.2 29.4 44.2

59 13.5 10.8 16.2

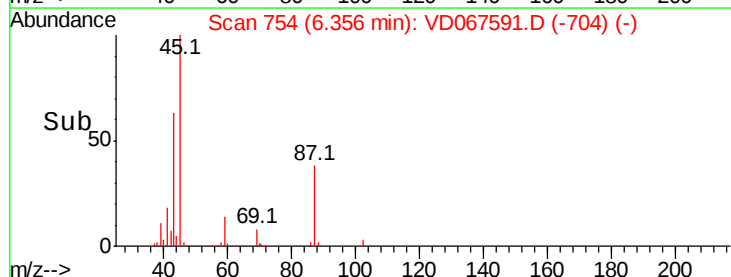
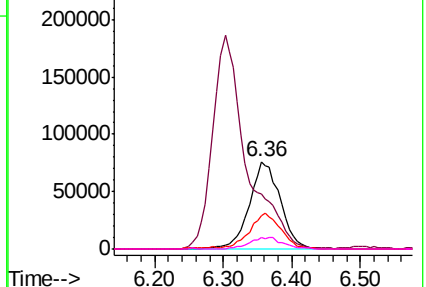


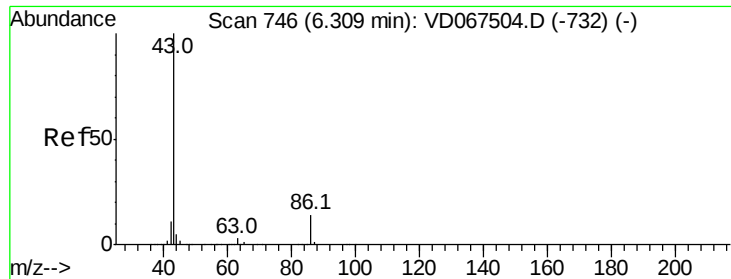
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 233.482 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

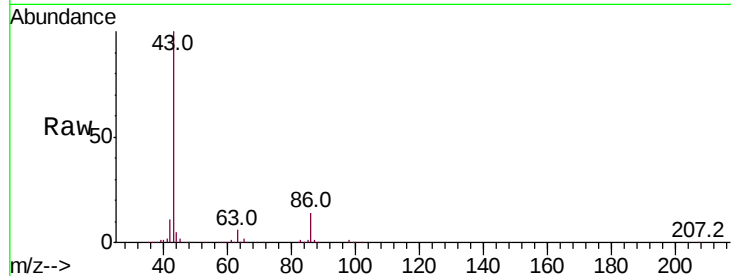
VSTDCCC050

Tot Ion: 43 Resp: 639457

Ion Ratio Lower Upper

43 100

86 14.4 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

200000

150000

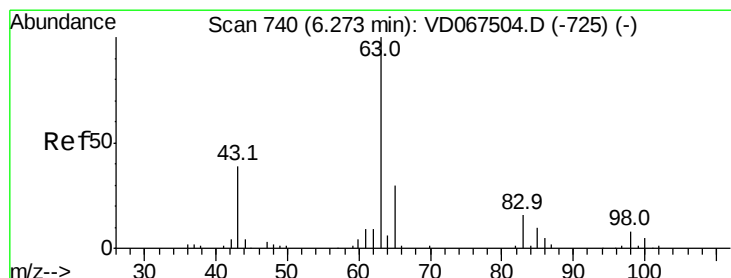
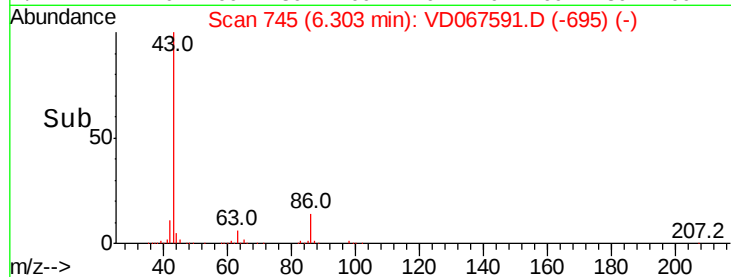
100000

50000

0

Time-->

6.20 6.30 6.40 6.50



#24

1,1-Dichloroethane

Concen: 45.453 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

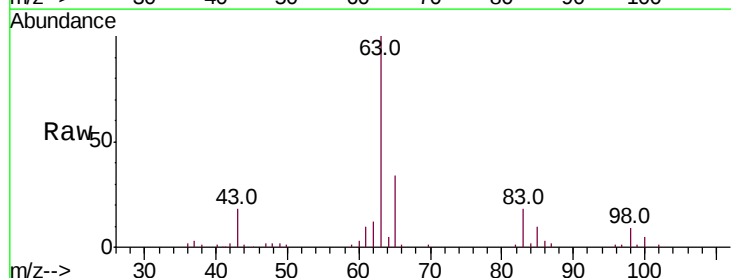
Tgt Ion: 63 Resp: 194556

Ion Ratio Lower Upper

63 100

98 8.9 3.9 11.5

100 4.6 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

6.26

80000

60000

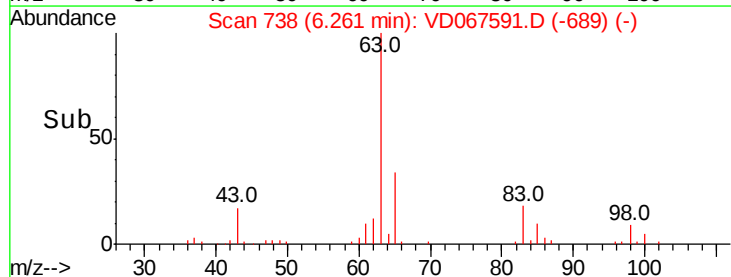
40000

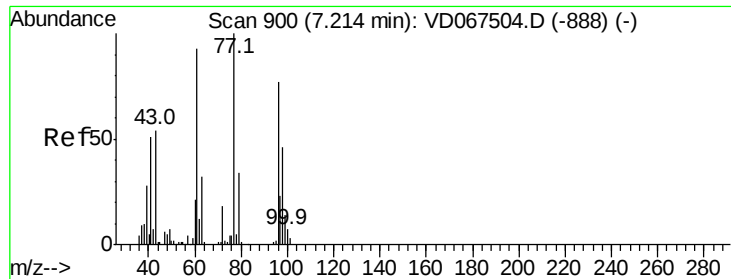
20000

0

Time-->

6.10 6.20 6.30 6.40





#25

2-Butanone

Concen: 222.397 ug/l

RT: 7.21 min Scan# 900

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

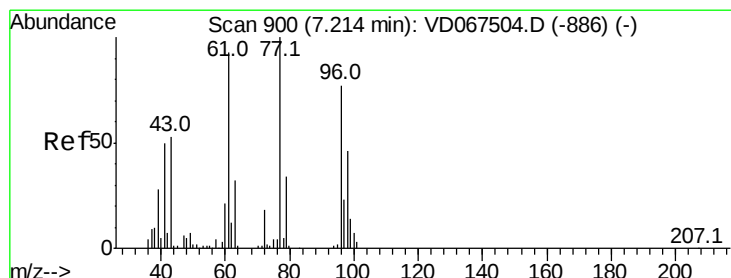
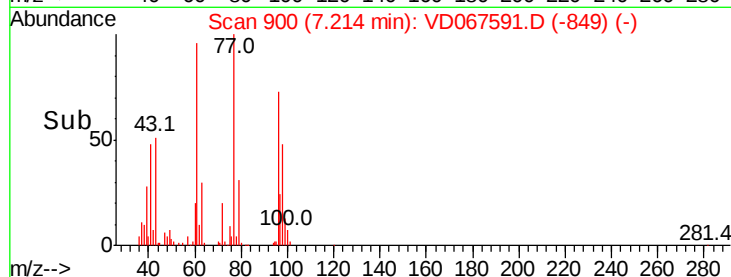
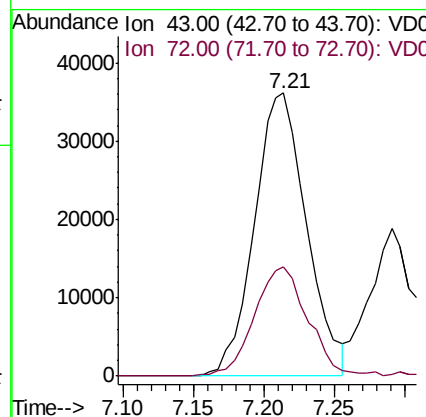
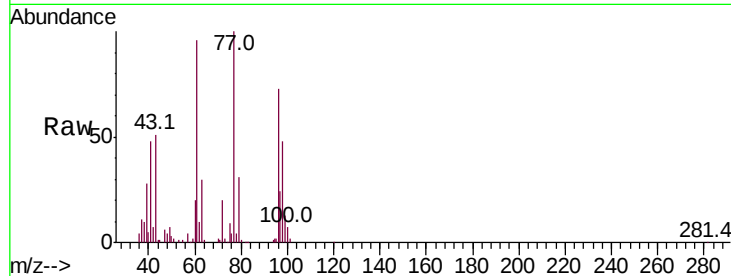
VSTDCCC050

Tot Ion: 43 Resp: 93459

Ion Ratio Lower Upper

43 100

72 38.7 26.4 39.6



#26

2,2-Dichloropropane

Concen: 48.687 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067591.D

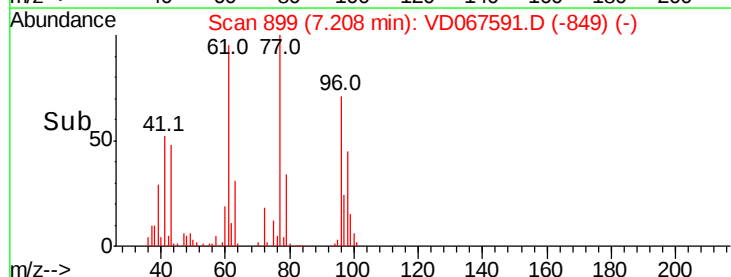
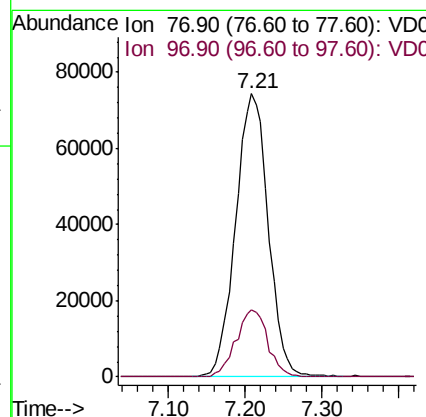
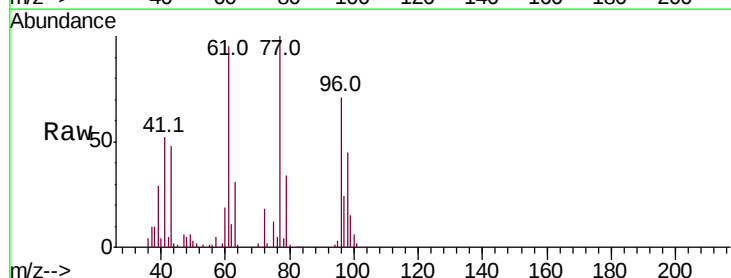
Acq: 11 Nov 2020 09:52

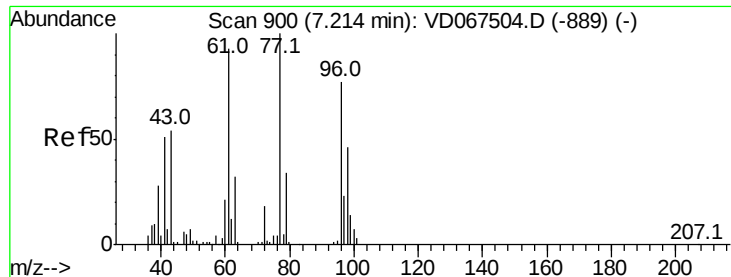
Tgt Ion: 77 Resp: 219945

Ion Ratio Lower Upper

77 100

97 23.0 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 47.005 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

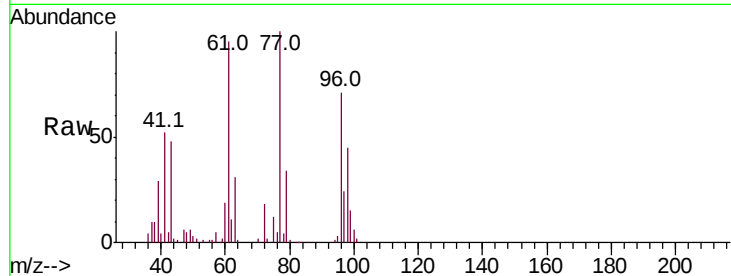
Tot Ion: 96 Resp: 142559

Ion Ratio Lower Upper

96 100

61 127.0 0.0 251.6

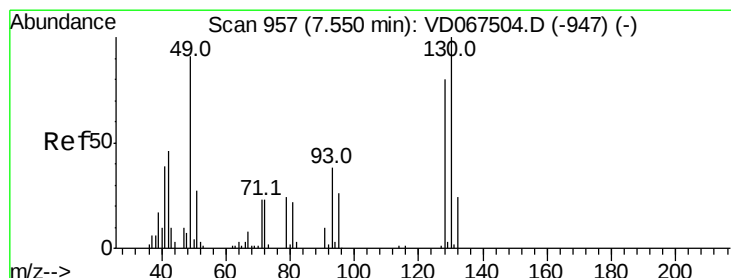
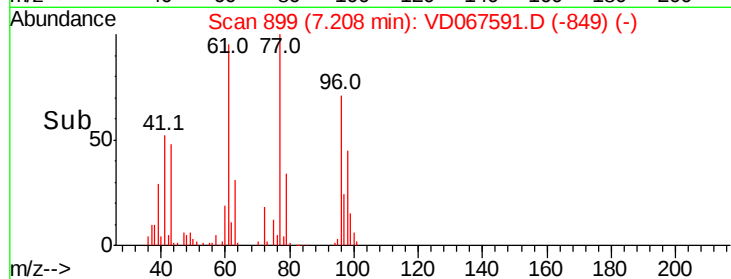
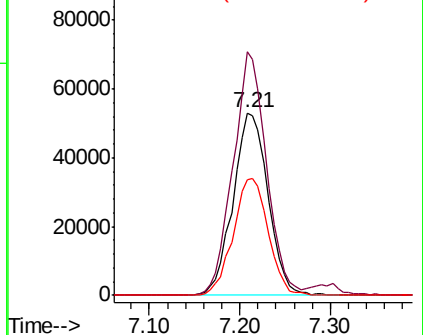
98 64.0 0.0 128.0



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 45.229 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

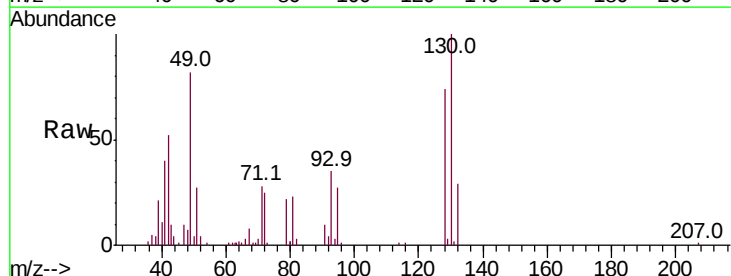
Tgt Ion: 49 Resp: 68863

Ion Ratio Lower Upper

49 100

129 2.9 0.0 6.4

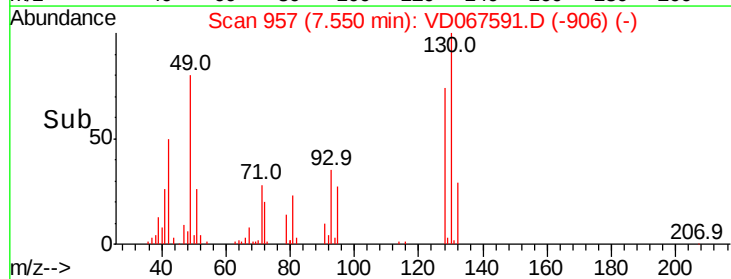
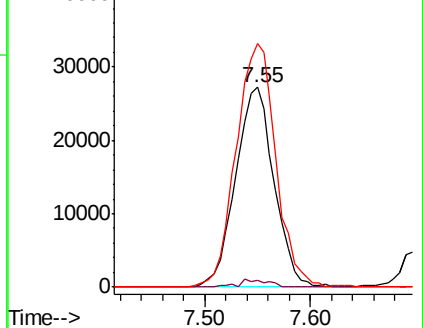
130 125.8 94.6 142.0

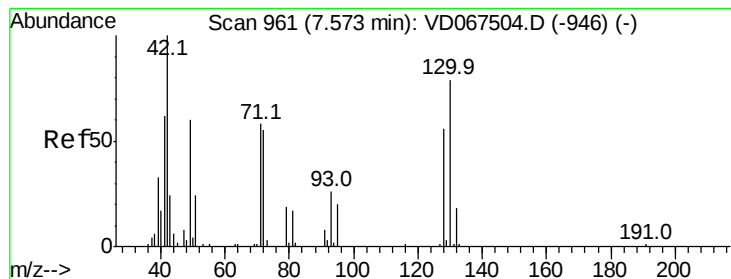


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 226.809 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

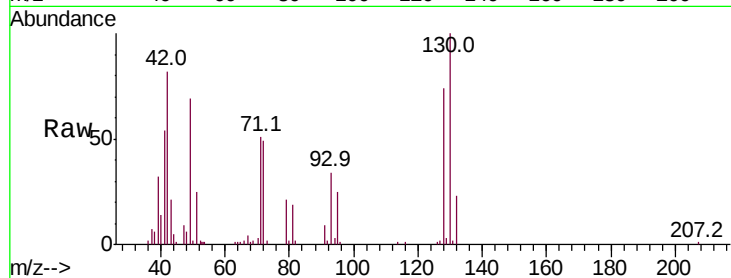
Tot Ion: 42 Resp: 57093

Ion Ratio Lower Upper

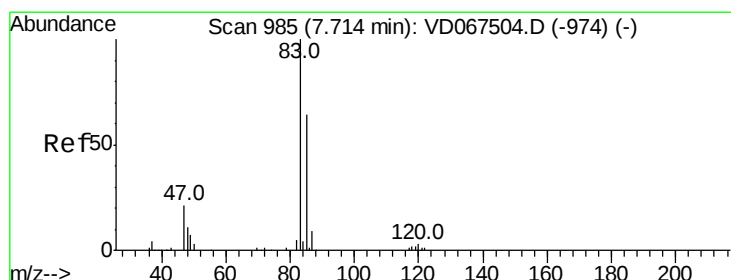
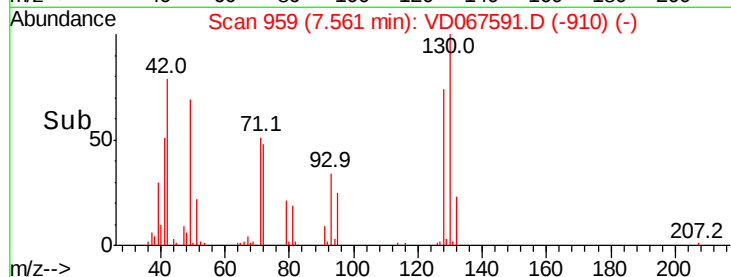
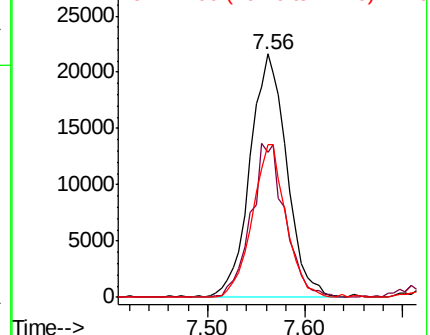
42 100

72 59.3 46.3 69.5

71 57.7 44.0 66.0



Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 48.298 ug/l

RT: 7.71 min Scan# 984

Delta R.T. -0.01 min

Lab File: VD067591.D

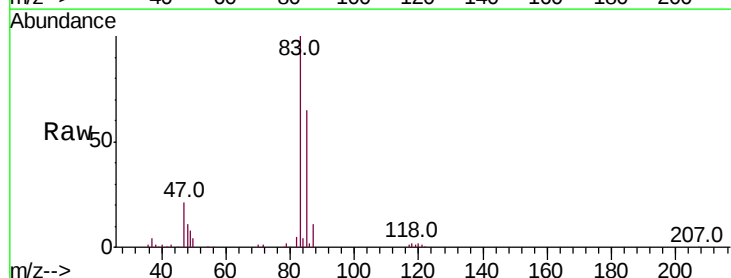
Acq: 11 Nov 2020 09:52

Tgt Ion: 83 Resp: 246632

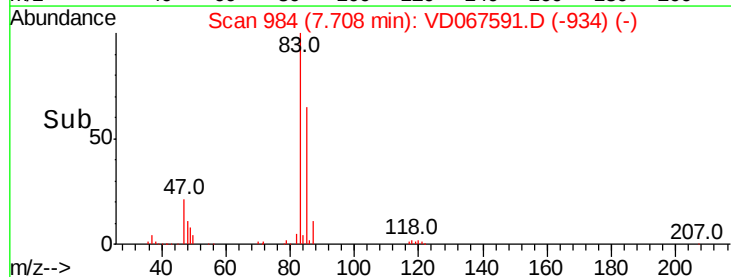
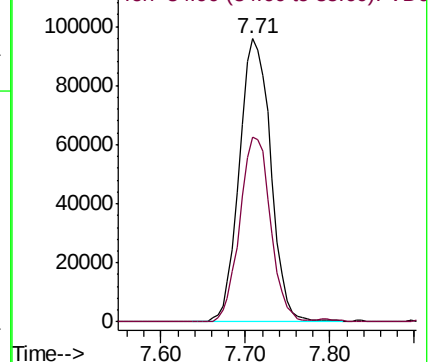
Ion Ratio Lower Upper

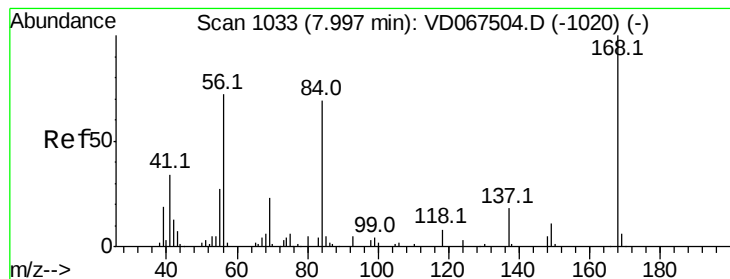
83 100

85 65.1 51.5 77.3



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 43.255 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

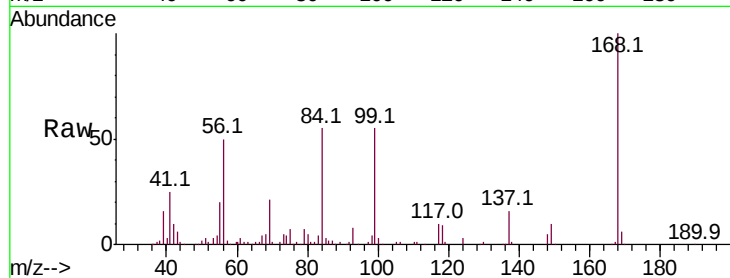
Tot Ion: 56 Resp: 164878

Ion Ratio Lower Upper

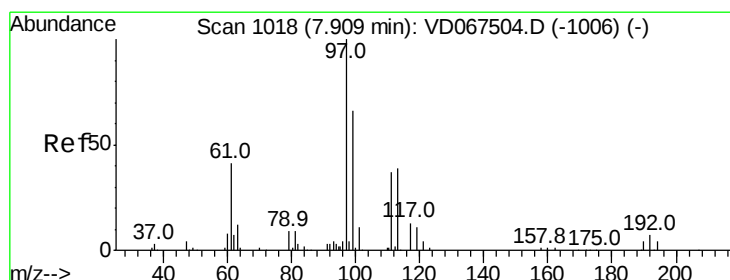
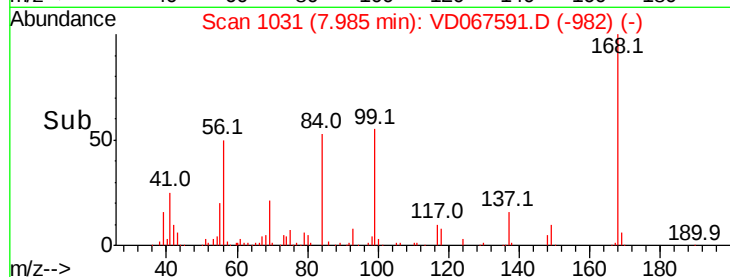
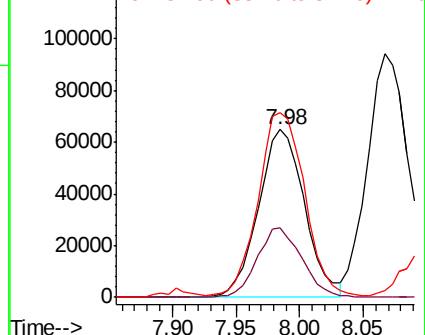
56 100

69 41.6 25.9 38.9#

84 107.7 76.2 114.4



Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC



#32

1,1,1-Trichloroethane

Concen: 47.895 ug/l

RT: 7.91 min Scan# 1018

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

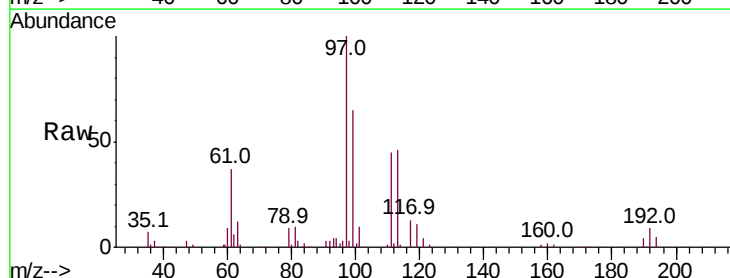
Tgt Ion: 97 Resp: 252348

Ion Ratio Lower Upper

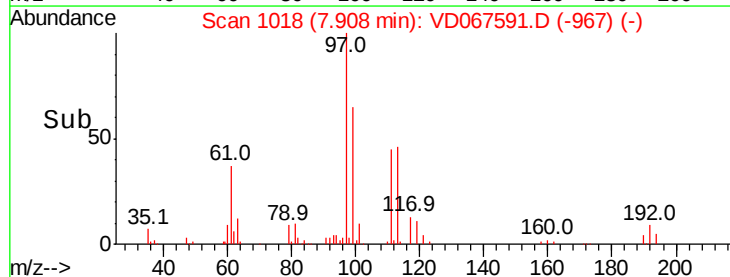
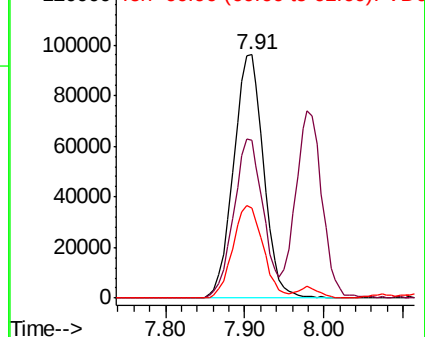
97 100

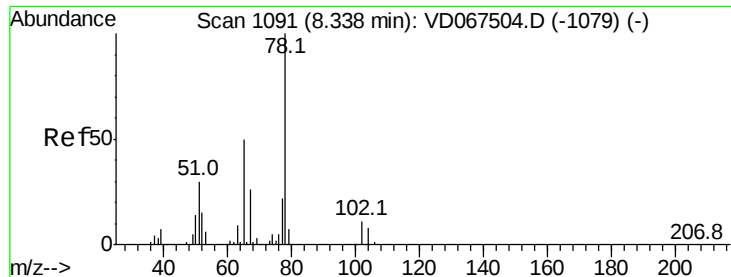
99 64.1 51.8 77.6

61 38.2 30.5 45.7



Abundance Ion 96.90 (96.60 to 97.60): VDC
Ion 98.90 (98.60 to 99.60): VDC
Ion 60.90 (60.60 to 61.60): VDC





#33

1,2-Dichloroethane-d4

Concen: 43.111 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

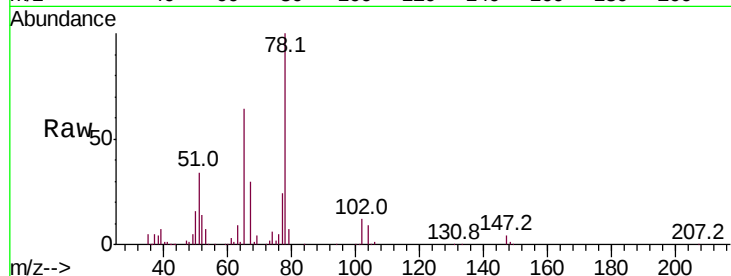
VSTDCCC050

Tot Ion: 65 Resp: 113302

Ion Ratio Lower Upper

65 100

67 48.8 0.0 99.4



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.33

60000

50000

40000

30000

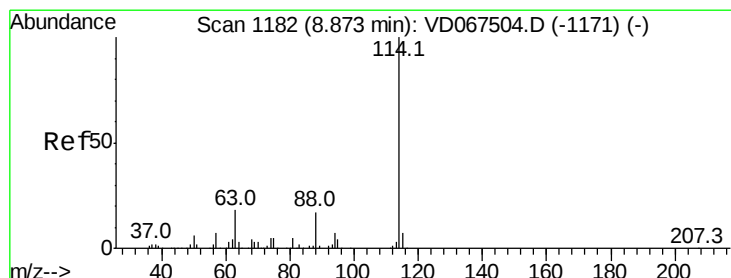
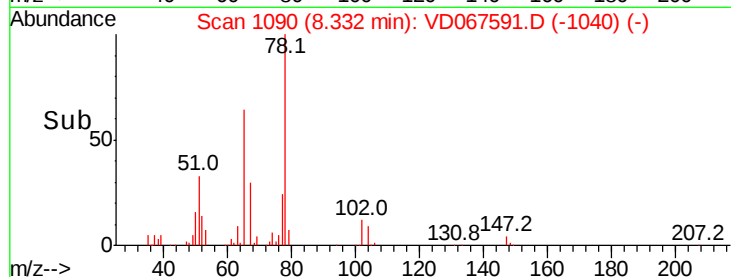
20000

10000

0

8.25 8.30 8.35 8.40

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

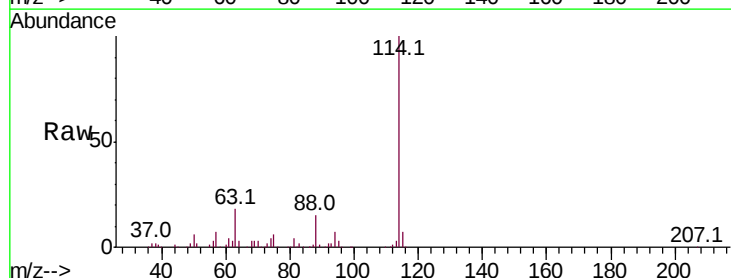
Tgt Ion: 114 Resp: 401877

Ion Ratio Lower Upper

114 100

63 18.1 0.0 35.0

88 14.9 0.0 33.0



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

250000

200000

150000

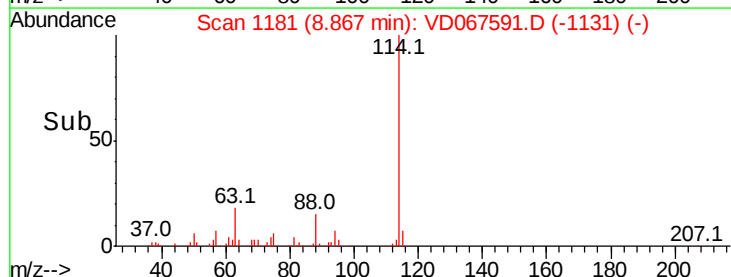
100000

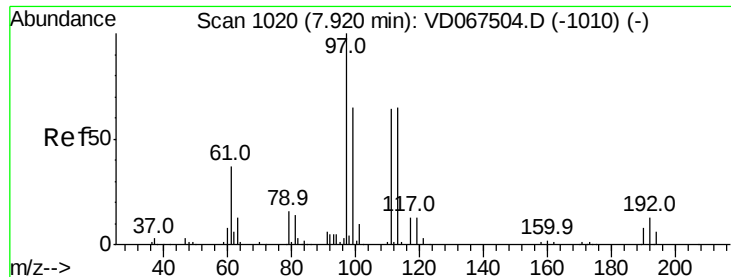
50000

0

8.75 8.80 8.85 8.90 8.95

Time-->

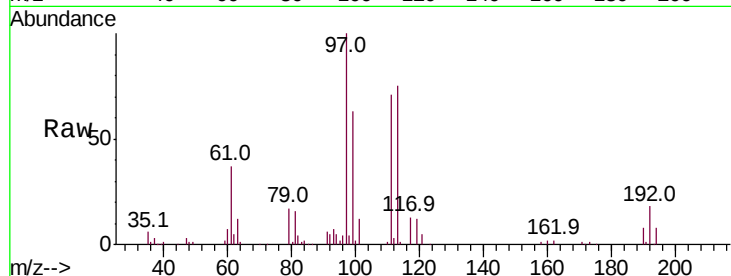




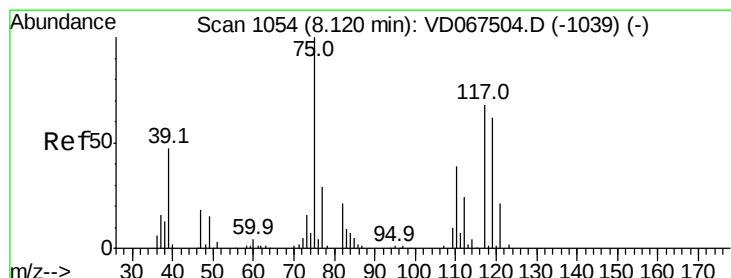
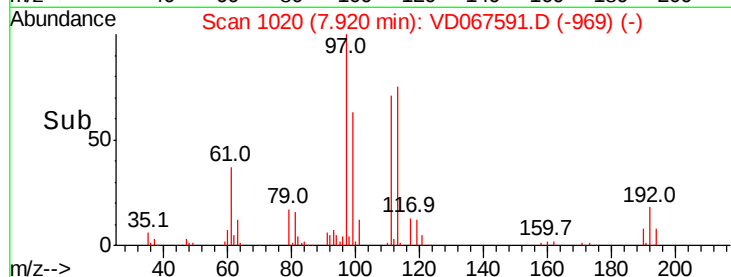
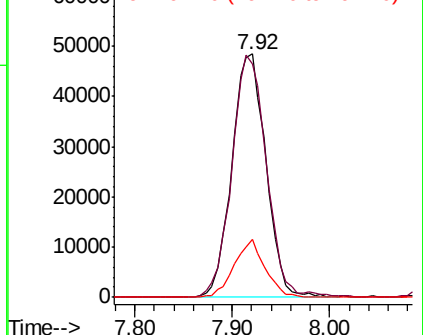
#35
 Dibromofluoromethane
 Concen: 48.509 ug/l
 RT: 7.92 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 117454
 Ion Ratio Lower Upper
 113 100
 111 100.2 80.0 120.0
 192 21.4 16.3 24.5

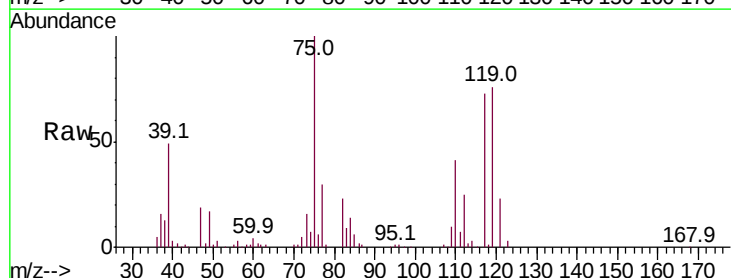


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

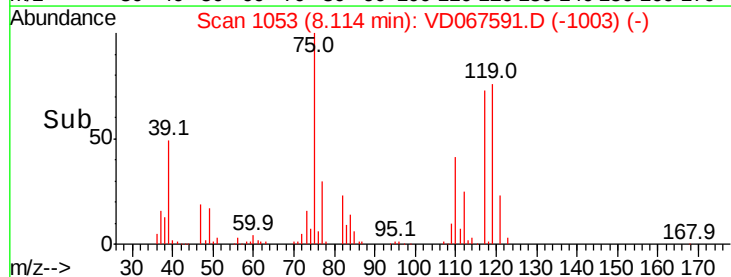
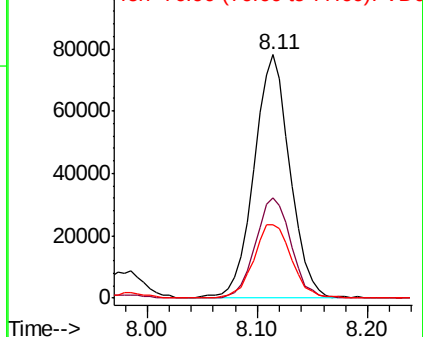


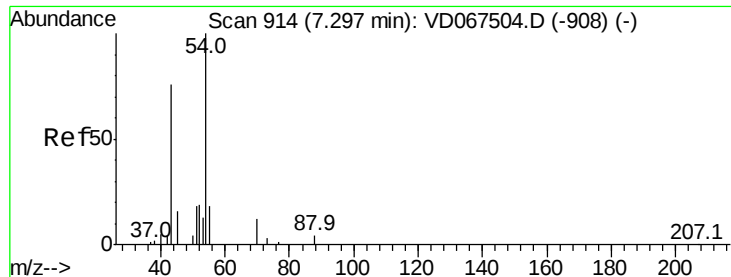
#36
 1,1-Dichloropropene
 Concen: 51.712 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Tgt Ion: 75 Resp: 177888
 Ion Ratio Lower Upper
 75 100
 110 40.8 19.9 59.7
 77 32.1 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 50.469 ug/l

RT: 7.29 min Scan# 913

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

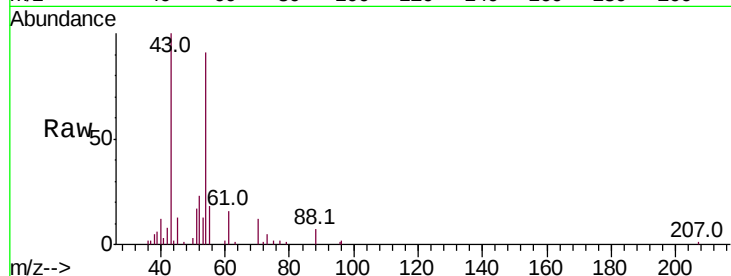
Tot Ion: 43 Resp: 45073

Ion Ratio Lower Upper

43 100

61 15.6 12.8 19.2

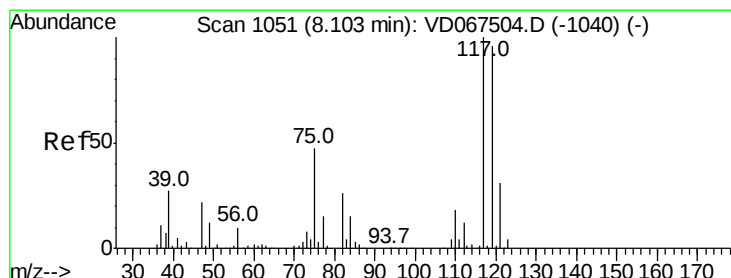
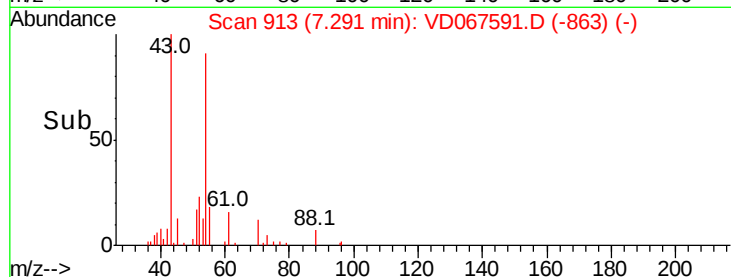
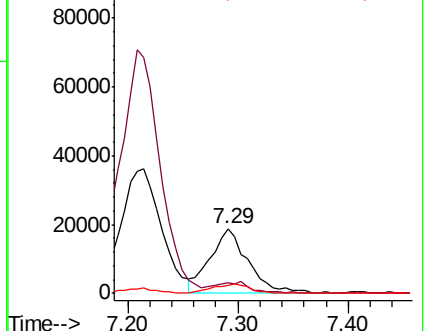
70 14.6 11.7 17.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 54.852 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

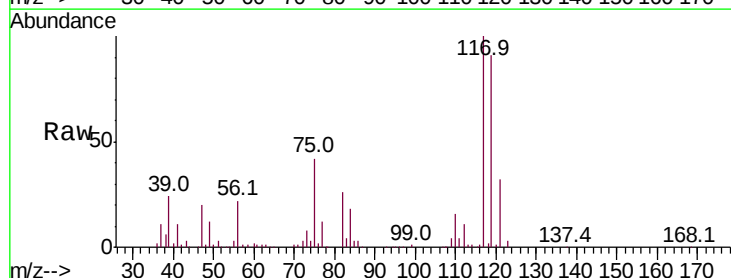
Tgt Ion: 117 Resp: 245161

Ion Ratio Lower Upper

117 100

119 91.6 76.9 115.3

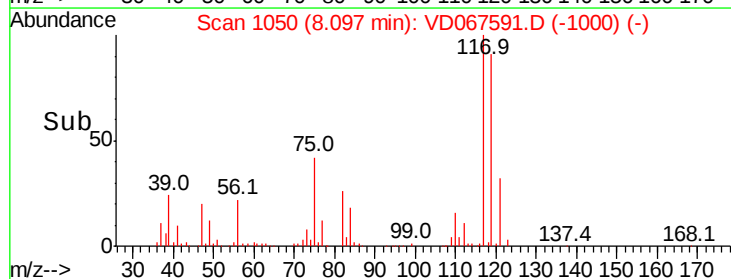
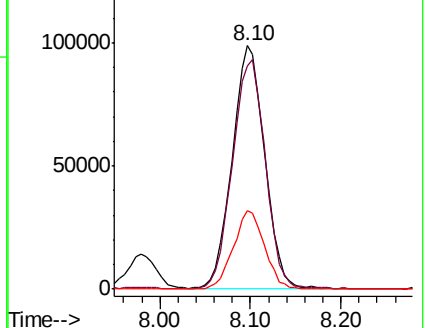
121 32.4 24.5 36.7

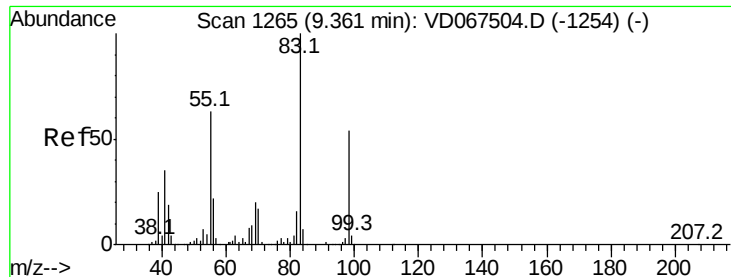


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V

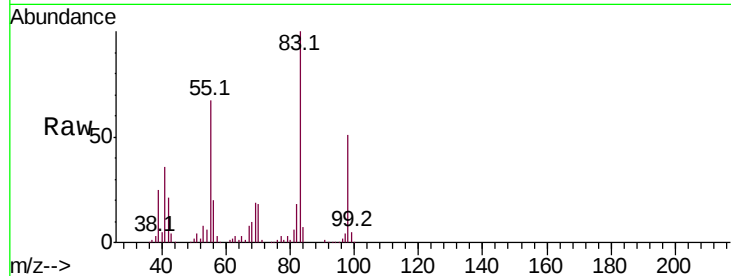




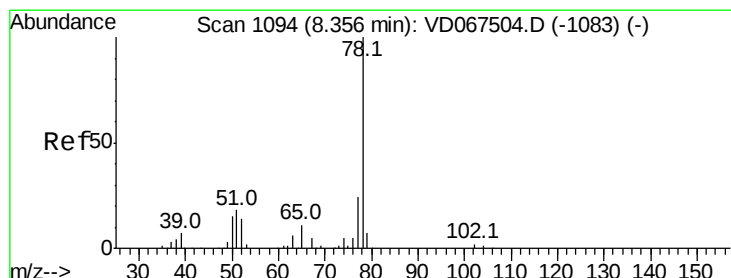
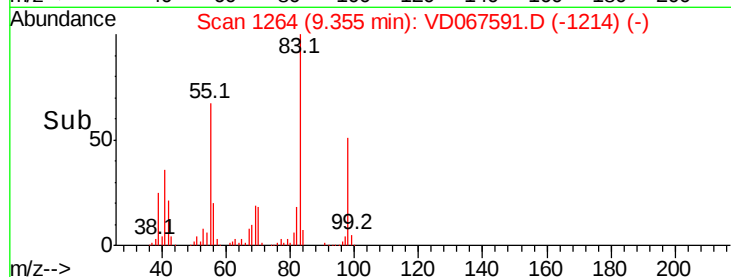
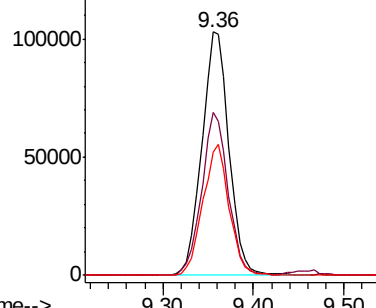
#39
Methvlcvclohexane
Concen: 52.884 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 214118
Ion Ratio Lower Upper
83 100
55 66.9 50.5 75.7
98 50.6 43.4 65.0

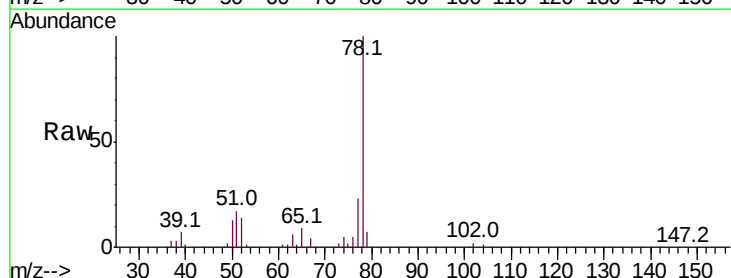


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

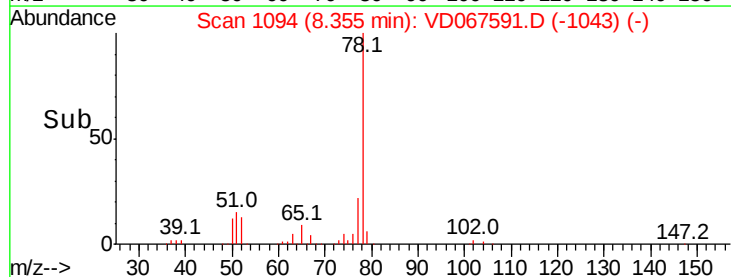
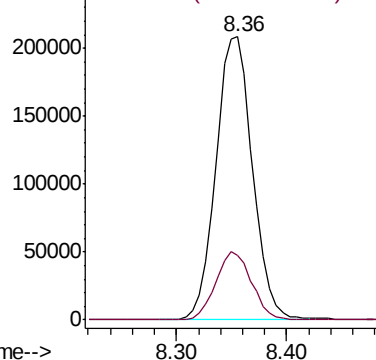


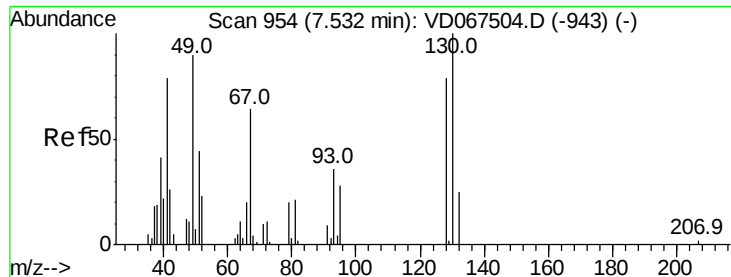
#40
Benzene
Concen: 52.035 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion: 78 Resp: 484867
Ion Ratio Lower Upper
78 100
77 22.5 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VDC
Ion 77.00 (76.70 to 77.70): VDC





#41

Methacrylonitrile

Concen: 119.193 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.02 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 63630

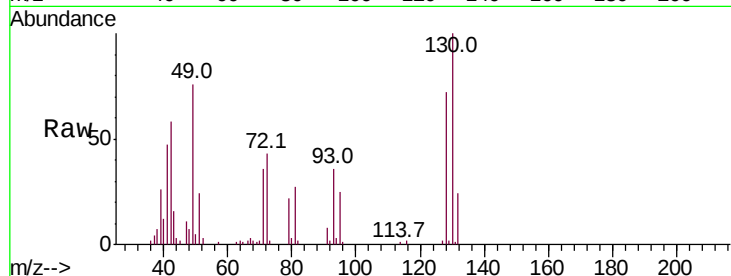
Ion Ratio Lower Upper

41 100

39 30.0 51.3 76.9#

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

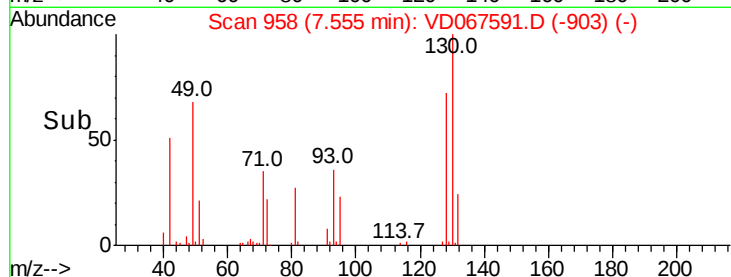
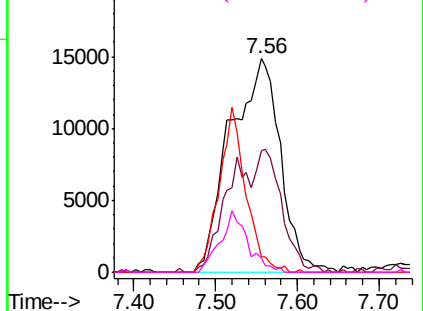


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 51.916 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067591.D

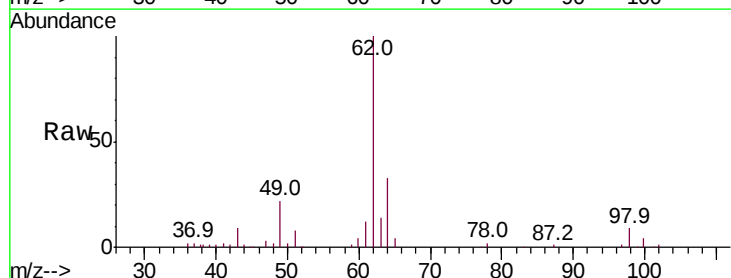
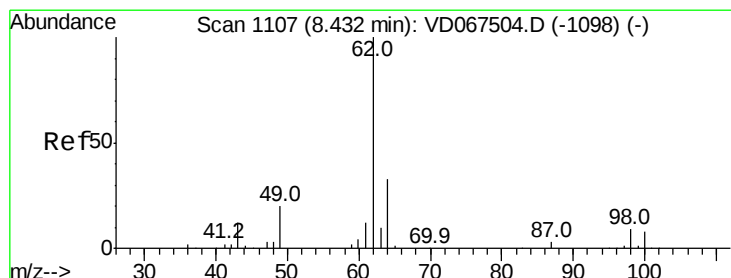
Acq: 11 Nov 2020 09:52

Tgt Ion: 62 Resp: 149467

Ion Ratio Lower Upper

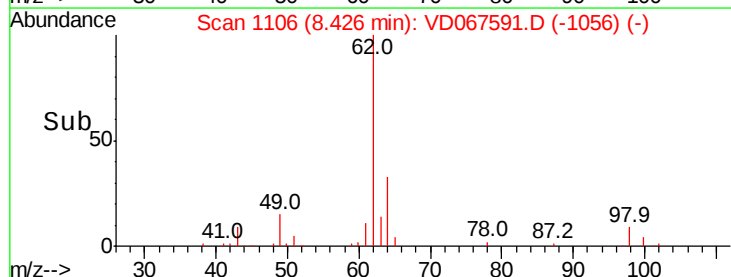
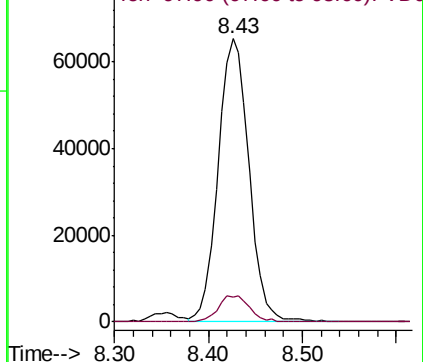
62 100

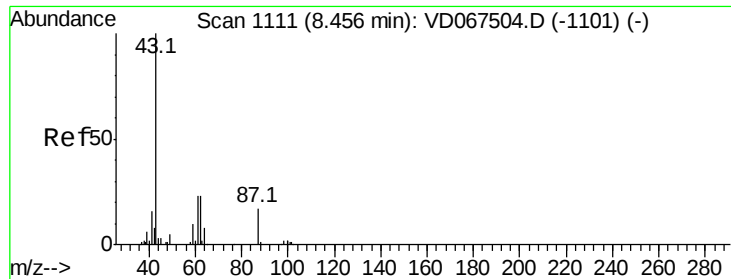
98 9.5 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.530 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

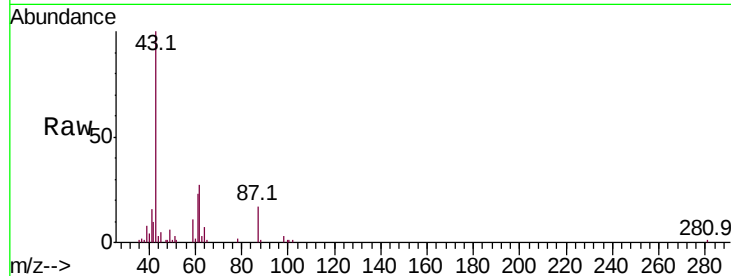
Tot Ion: 43 Resp: 91015

Ion Ratio Lower Upper

43 100

61 37.4 30.5 45.7

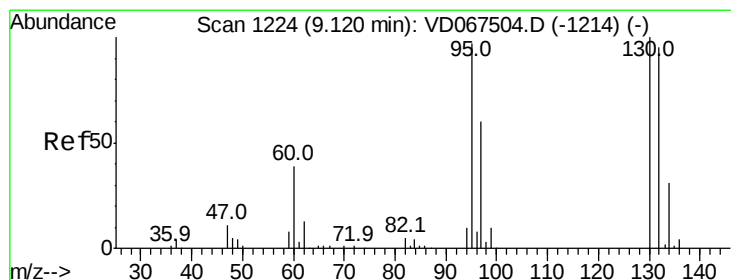
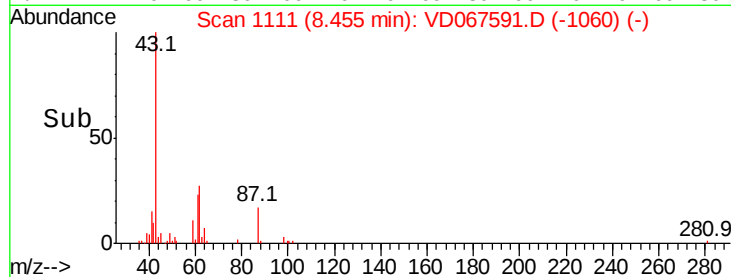
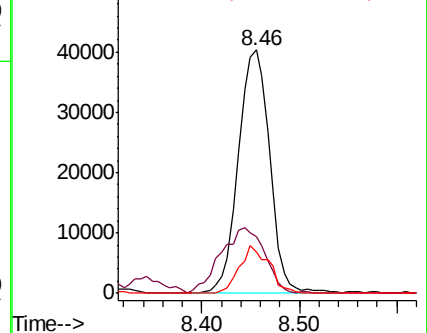
87 18.3 14.7 22.1



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.453 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067591.D

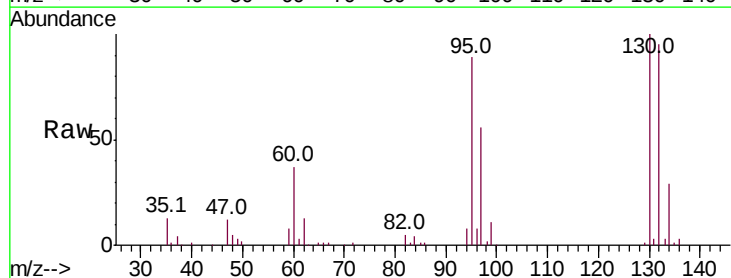
Acq: 11 Nov 2020 09:52

Tgt Ion:130 Resp: 157646

Ion Ratio Lower Upper

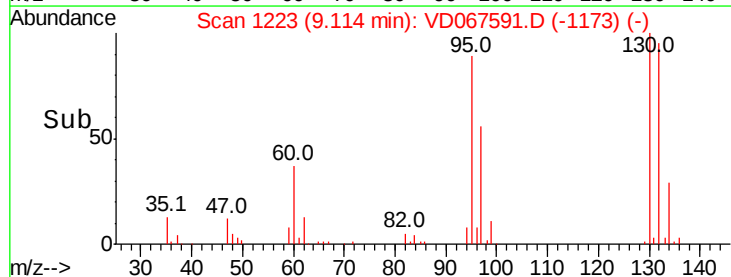
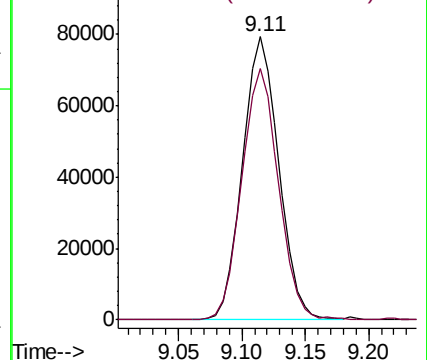
130 100

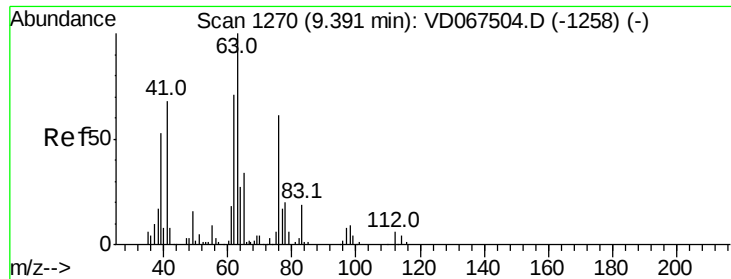
95 88.8 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC

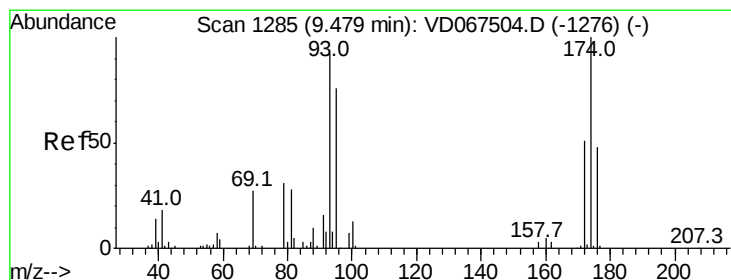
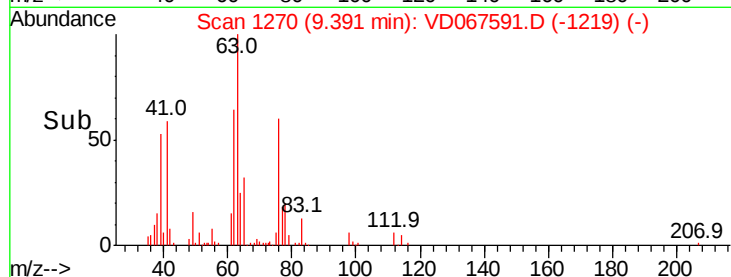
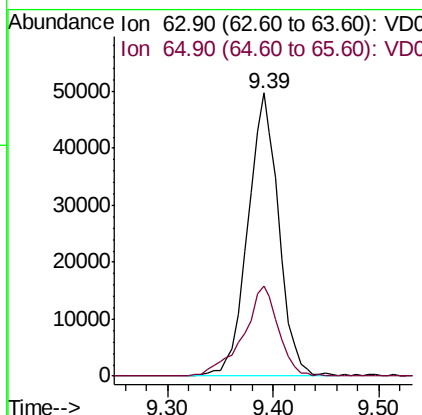
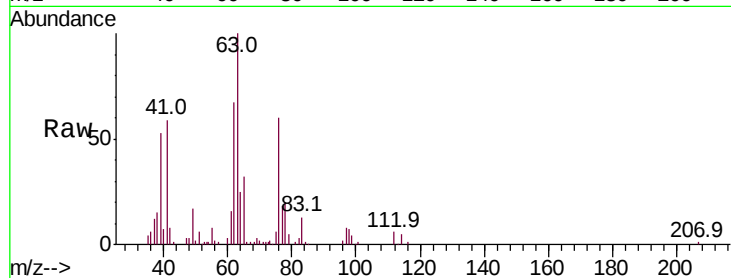




#45
 1,2-Dichloropropane
 Concen: 50.148 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

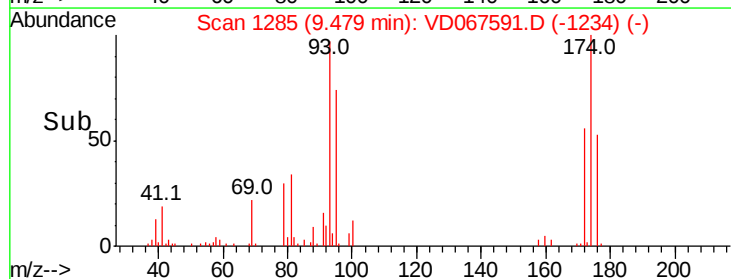
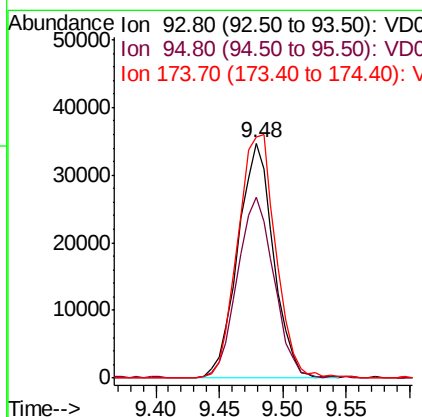
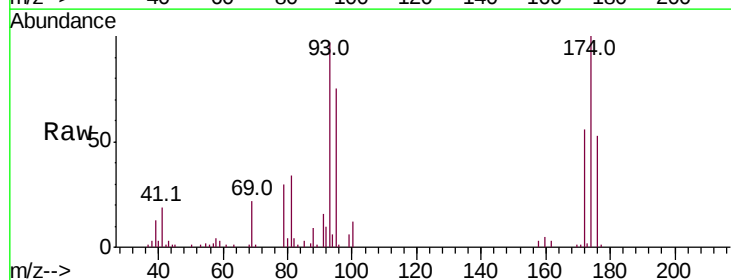
Instrument :
 MSVOA_D
 ClientSampleID :
 VSTDCCC050

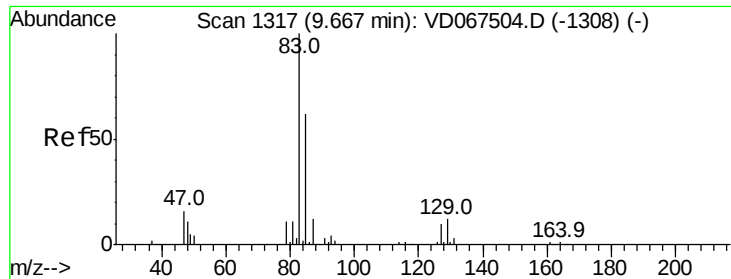
Tot Ion: 63 Resp: 101030
 Ion Ratio Lower Upper
 63 100
 65 31.7 26.9 40.3



#46
 Dibromomethane
 Concen: 52.725 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Tgt Ion: 93 Resp: 67539
 Ion Ratio Lower Upper
 93 100
 95 79.3 66.4 99.6
 174 111.4 88.2 132.4





#47

Bromodichloromethane

Concen: 53.430 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

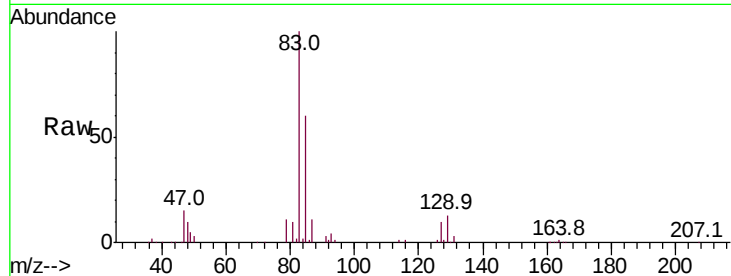
Tot Ion: 83 Resp: 186027

Ion Ratio Lower Upper

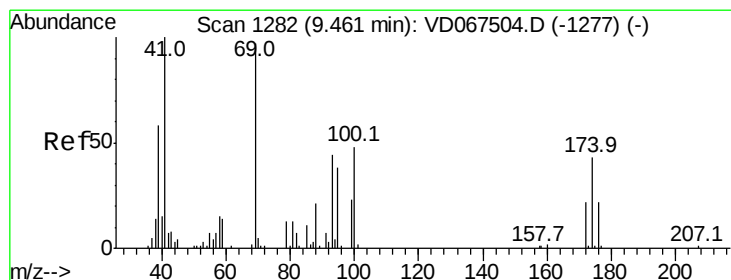
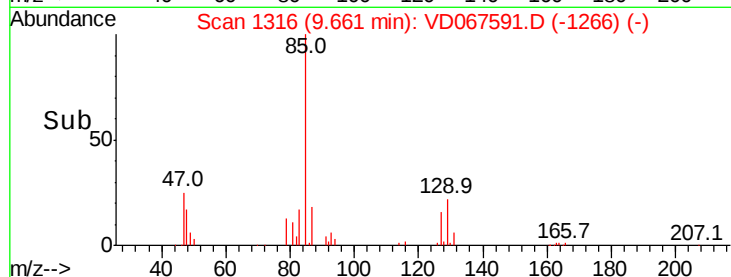
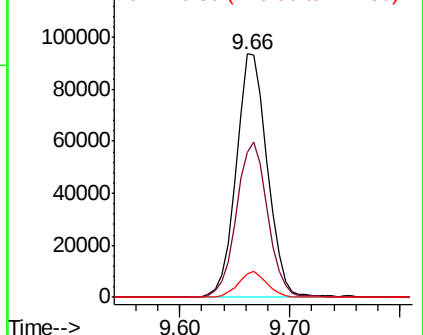
83 100

85 59.6 49.4 74.2

127 9.7 7.7 11.5



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 84.90 (84.60 to 85.60): VDC
Ion 126.80 (126.50 to 127.50): VDC



#48

Methyl methacrylate

Concen: 50.797 ug/l

RT: 9.46 min Scan# 1281

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

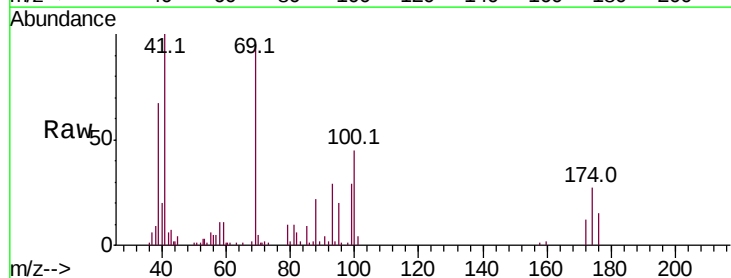
Tgt Ion: 41 Resp: 46325

Ion Ratio Lower Upper

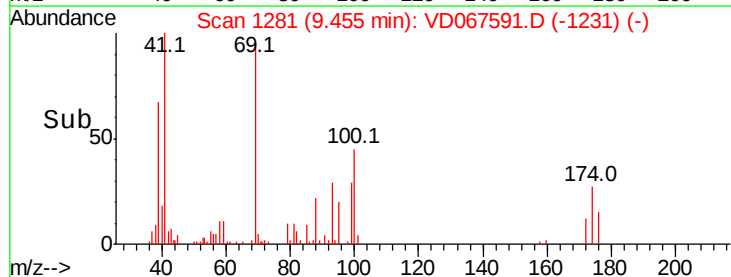
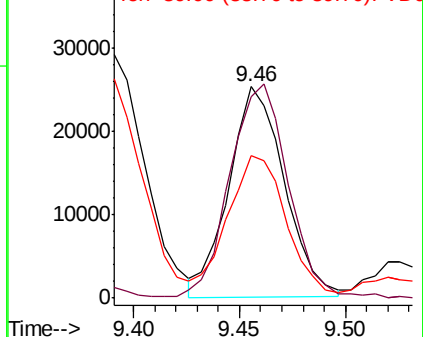
41 100

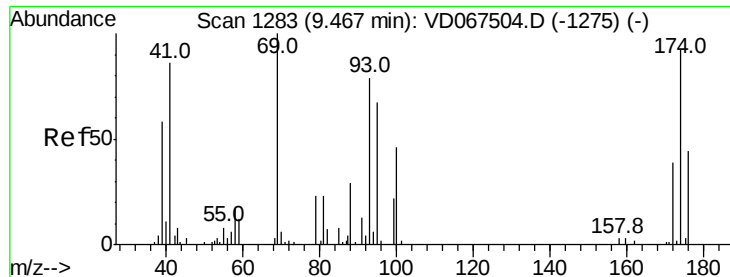
69 107.1 80.6 121.0

39 66.4 50.2 75.4



Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 39.00 (38.70 to 39.70): VDC





#49

1,4-Dioxane

Concen: 1044.830 ug/l

RT: 9.47 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

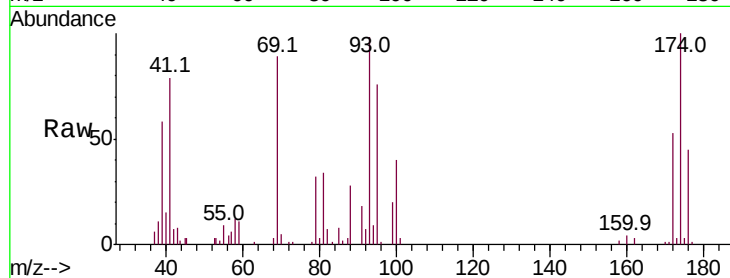
Tot Ion: 88 Resp: 13587

Ion Ratio Lower Upper

88 100

43 31.7 23.6 35.4

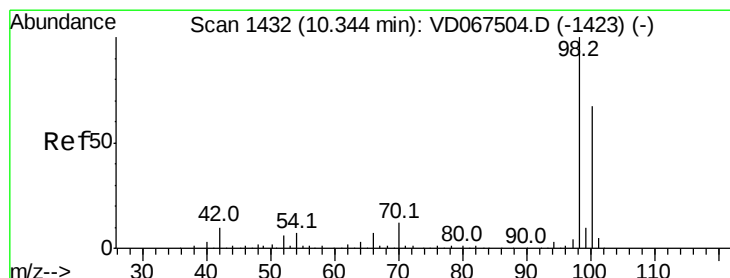
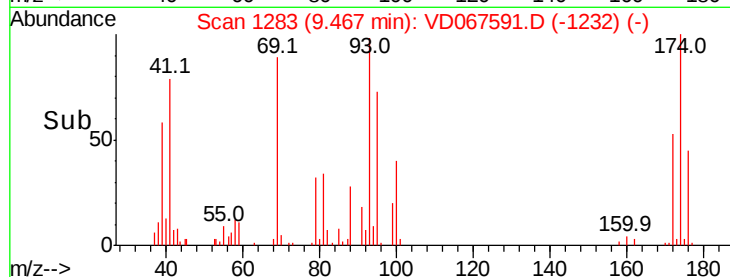
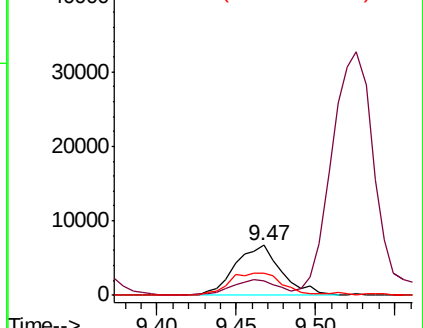
58 52.2 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.152 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067591.D

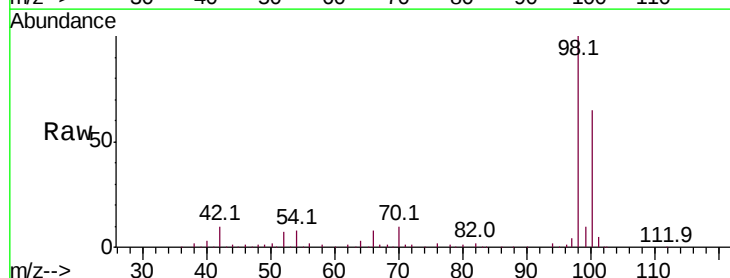
Acq: 11 Nov 2020 09:52

Tgt Ion: 98 Resp: 409727

Ion Ratio Lower Upper

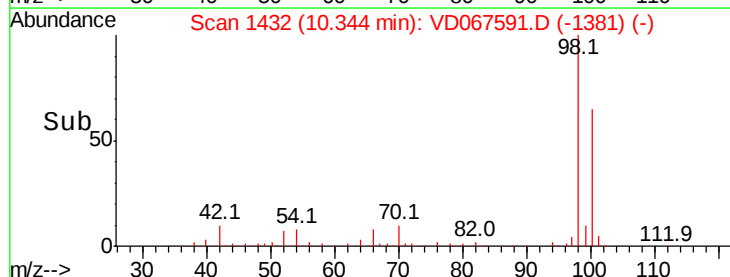
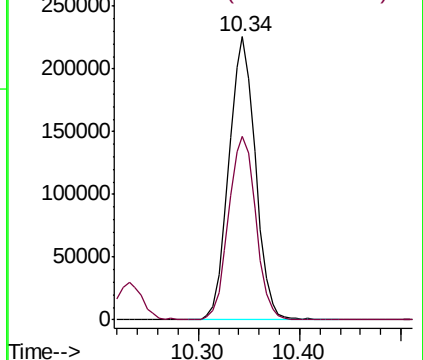
98 100

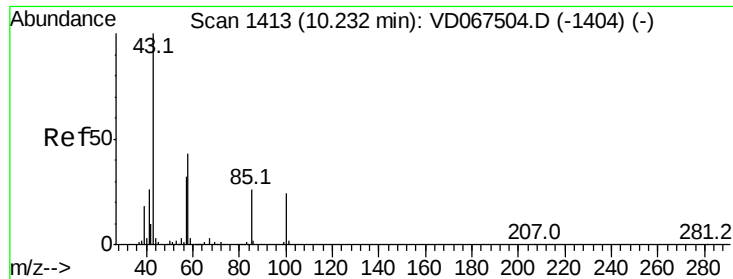
100 66.9 53.0 79.6



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC





#51

4-Methyl-2-Pentanone

Concen: 266.185 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

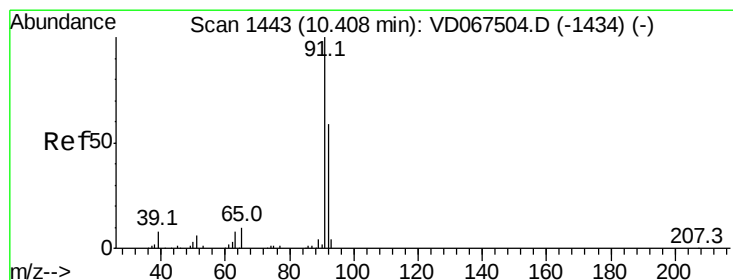
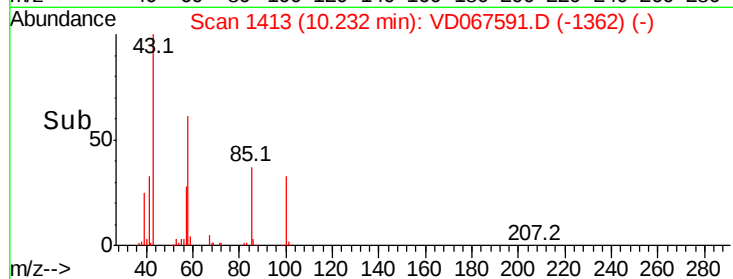
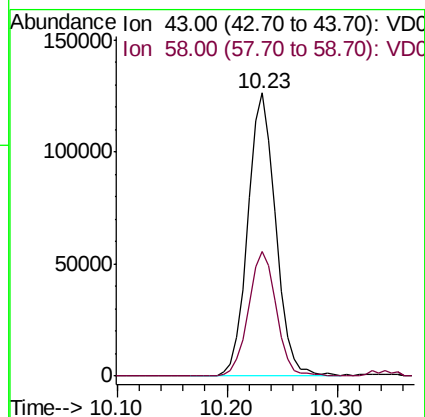
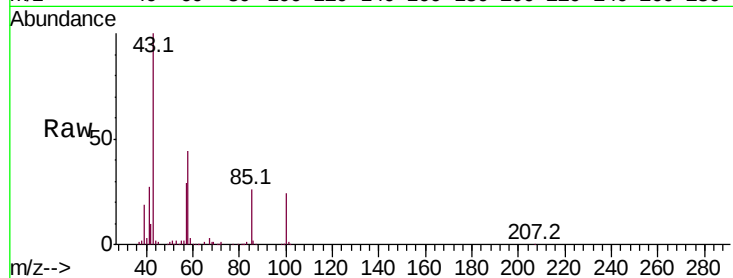
VSTDCCC050

Tot Ion: 43 Resp: 224851

Ion Ratio Lower Upper

43 100

58 43.9 35.6 53.4



#52

Toluene

Concen: 54.773 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067591.D

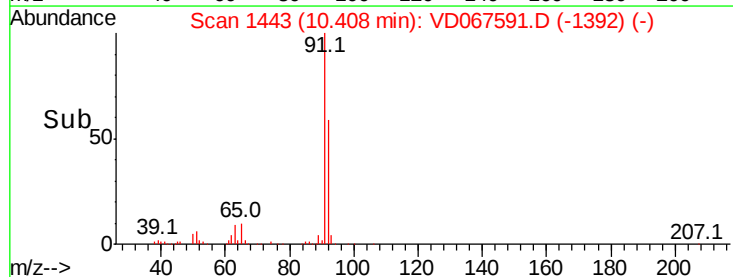
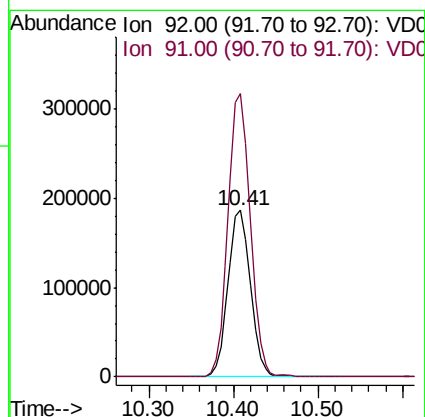
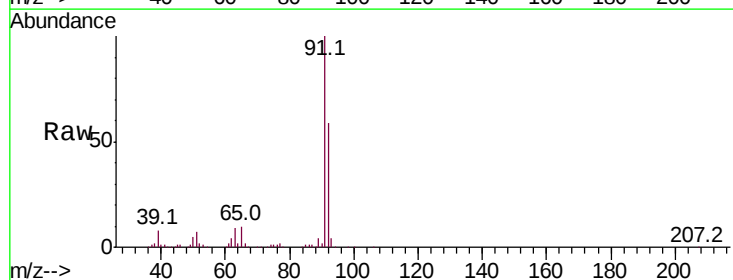
Acq: 11 Nov 2020 09:52

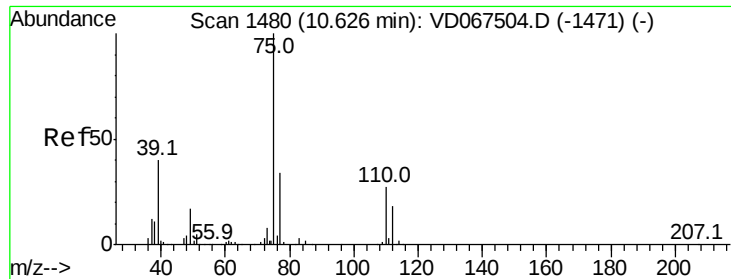
Tgt Ion: 92 Resp: 341851

Ion Ratio Lower Upper

92 100

91 169.3 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 53.130 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

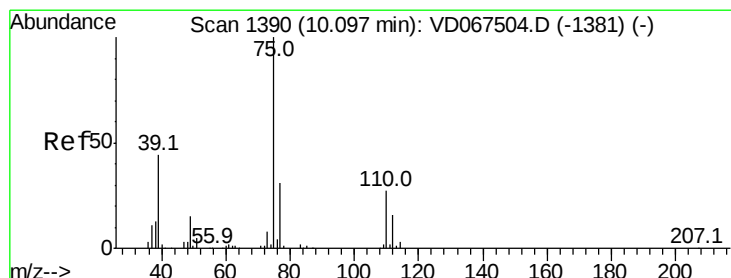
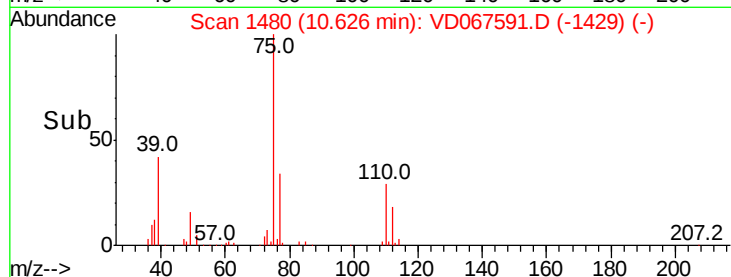
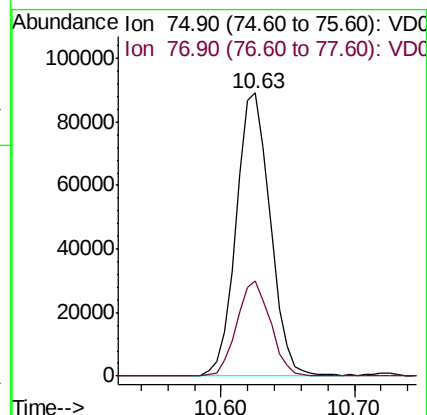
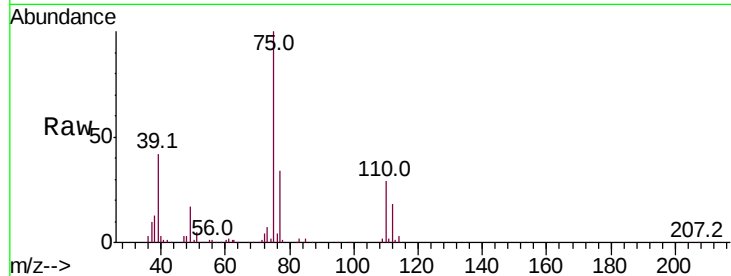
VSTDCCC050

Tot Ion: 75 Resp: 158428

Ion Ratio Lower Upper

75 100

77 33.8 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 52.707 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

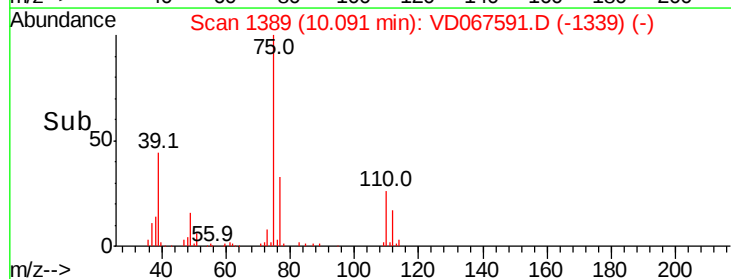
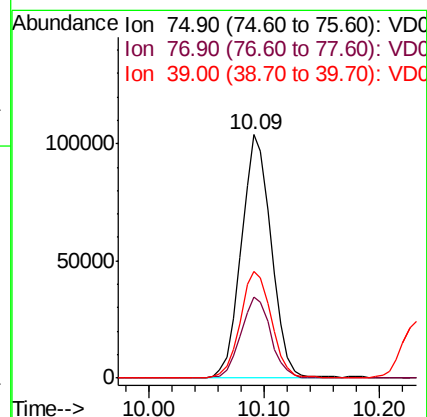
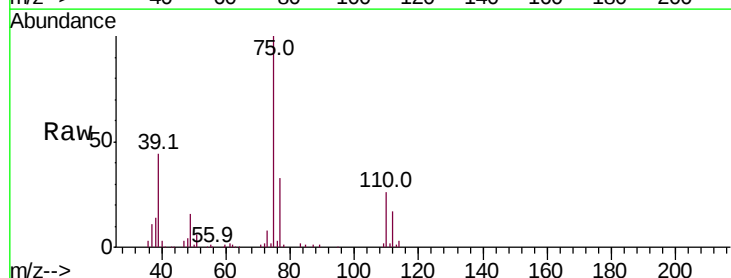
Tgt Ion: 75 Resp: 186733

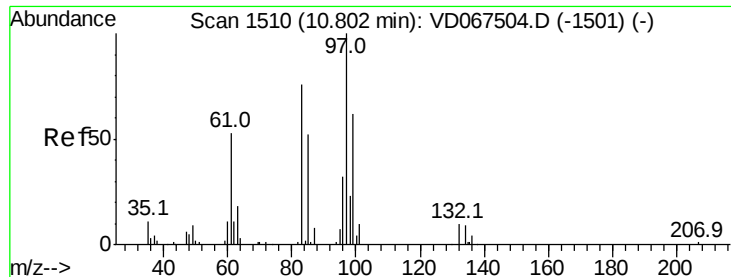
Ion Ratio Lower Upper

75 100

77 33.1 24.4 36.6

39 44.0 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 53.699 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 91013

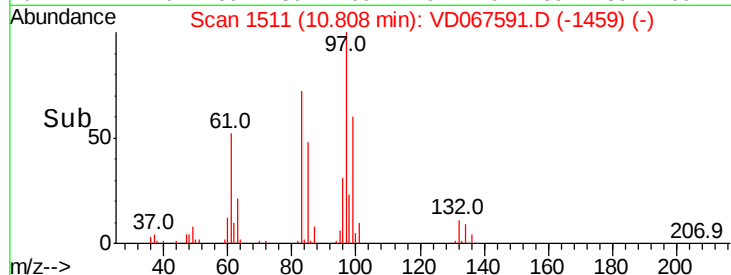
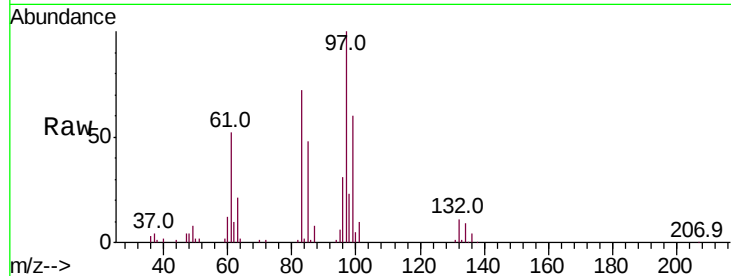
Ion	Ratio	Lower	Upper
97	100		
83	72.4	61.0	91.6
85	48.4	41.5	62.3
99	59.5	49.4	74.2

97 100

83 72.4 61.0 91.6

85 48.4 41.5 62.3

99 59.5 49.4 74.2

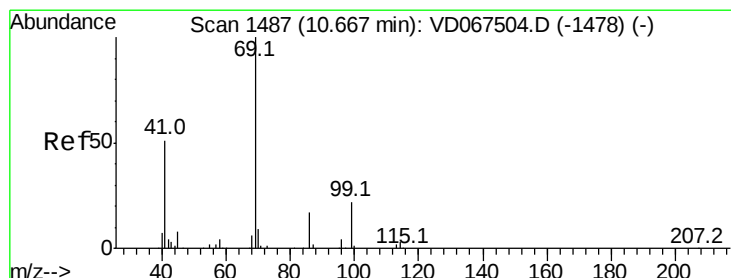
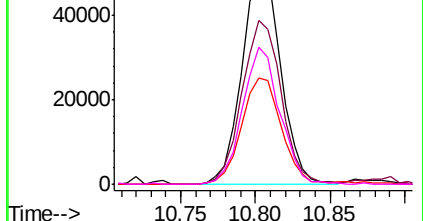


Abundance Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56

Ethyl methacrylate

Concen: 53.922 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

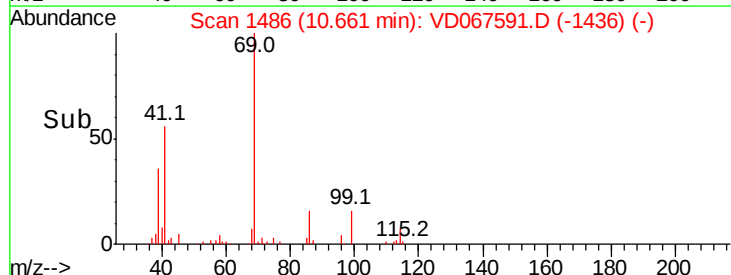
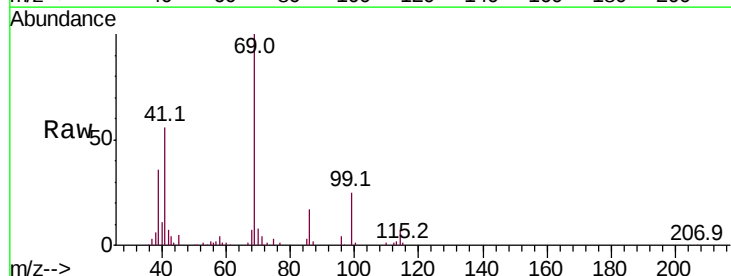
Tgt Ion: 69 Resp: 94376

Ion	Ratio	Lower	Upper
69	100		
41	54.7	45.4	68.0
39	31.9	27.4	41.0

69 100

41 54.7 45.4 68.0

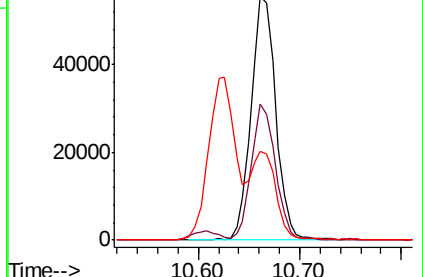
39 31.9 27.4 41.0

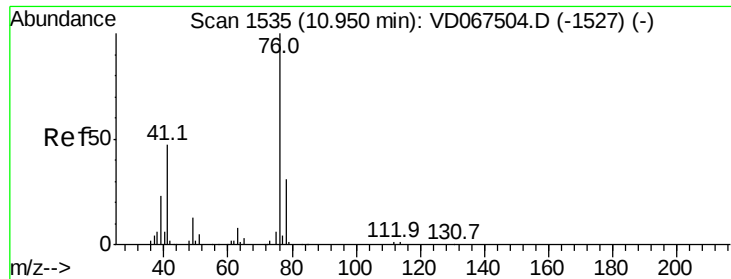


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 52.615 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

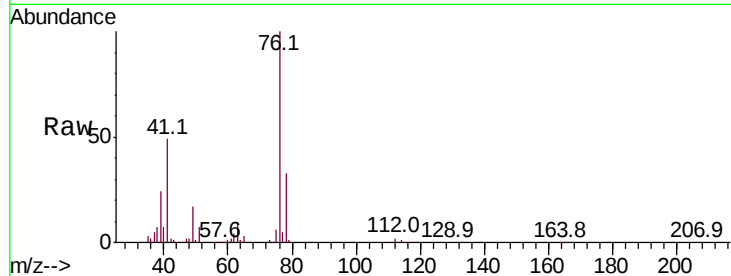
VSTDCCC050

Tot Ion: 76 Resp: 143500

Ion Ratio Lower Upper

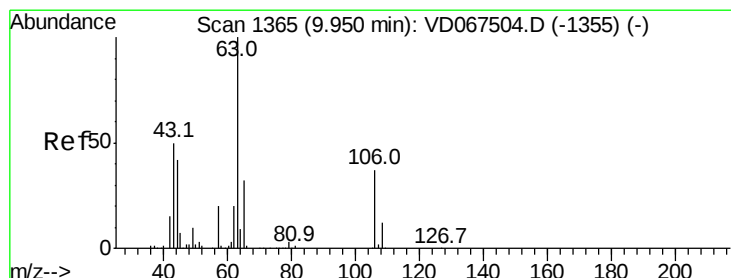
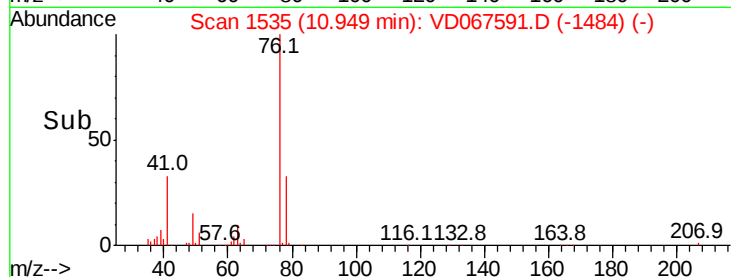
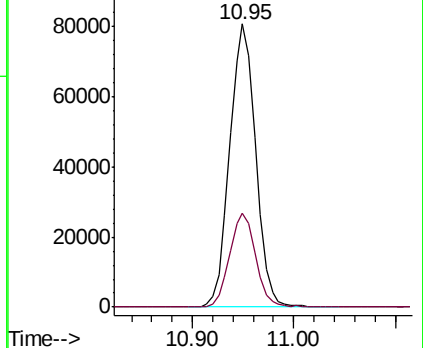
76 100

78 33.2 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 269.558 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067591.D

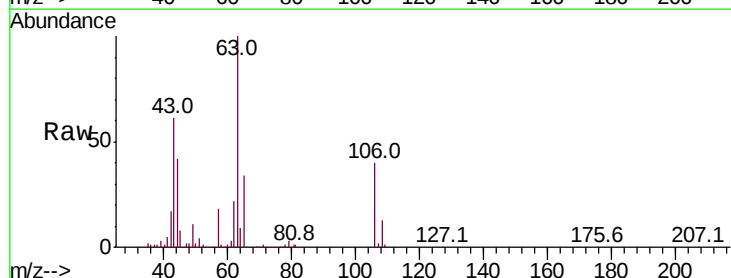
Acq: 11 Nov 2020 09:52

Tgt Ion: 63 Resp: 220011

Ion Ratio Lower Upper

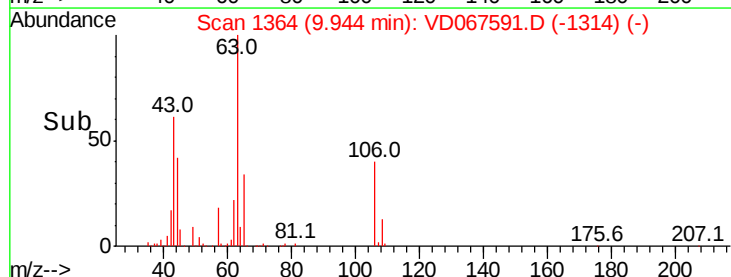
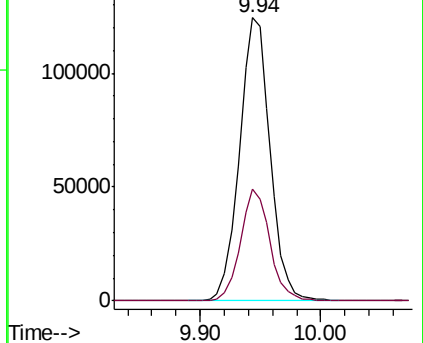
63 100

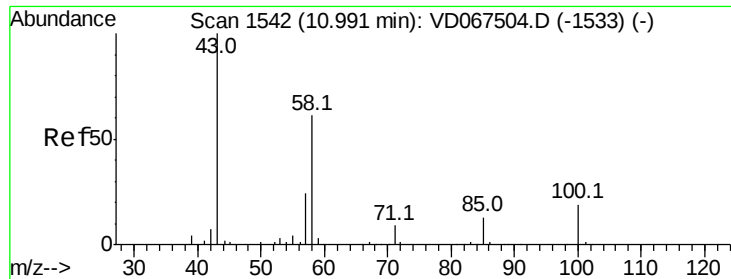
106 37.9 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

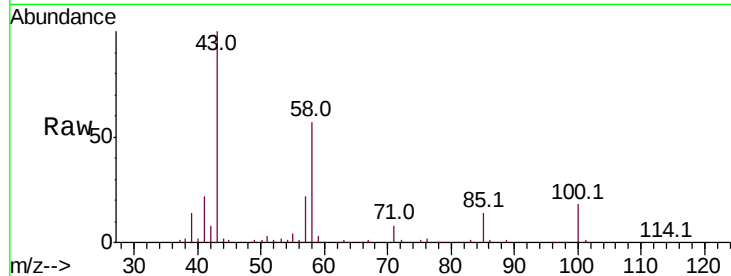




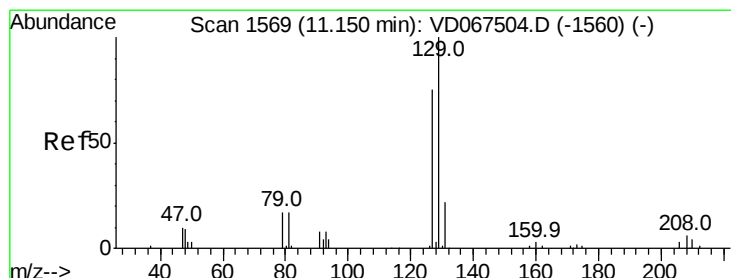
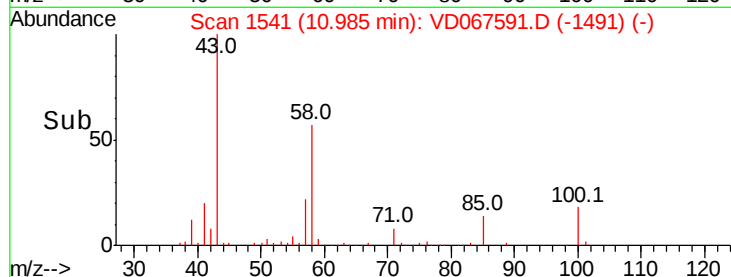
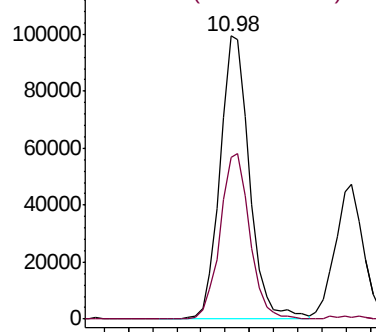
#59
2-Hexanone
Concen: 286.894 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 43 Resp: 169447
Ion Ratio Lower Upper
43 100
58 58.7 30.3 90.9

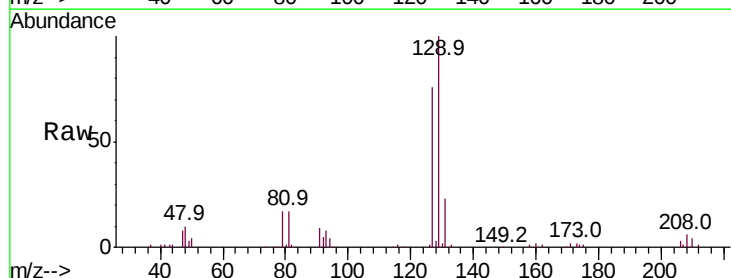


Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

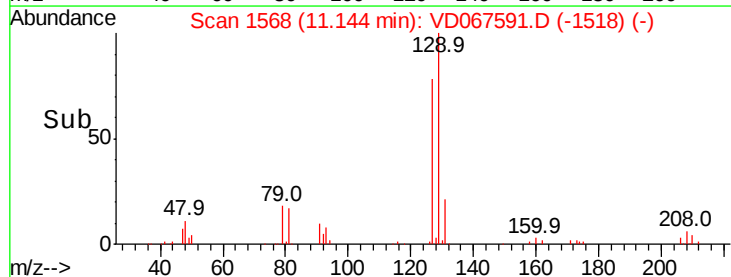
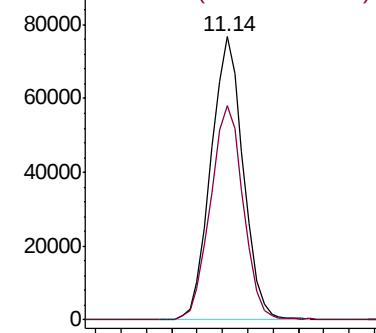


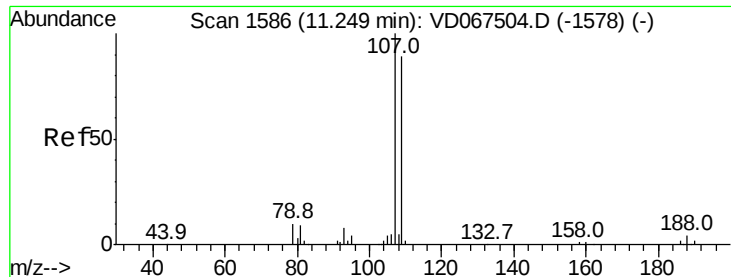
#60
Dibromochloromethane
Concen: 54.235 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion:129 Resp: 135978
Ion Ratio Lower Upper
129 100
127 76.7 38.0 114.1



Abundance Ion 128.80 (128.50 to 129.50): V
Ion 126.80 (126.50 to 127.50): V

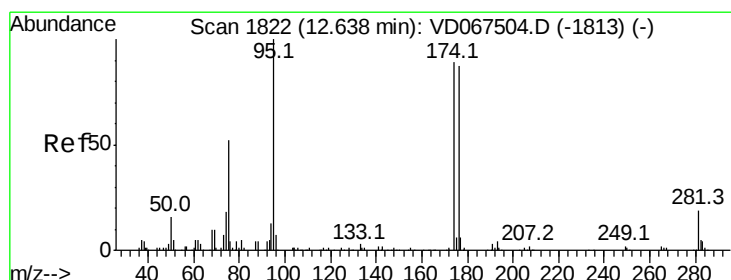
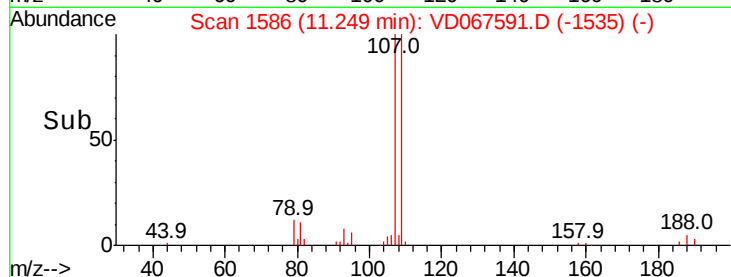
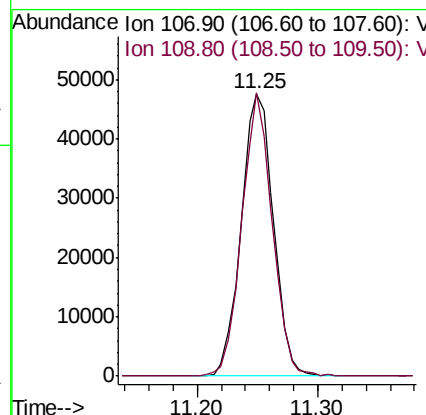
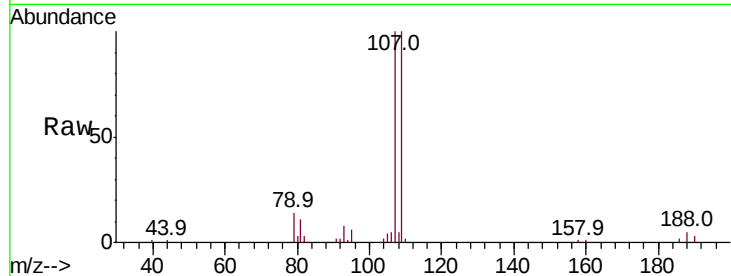




#61
 1,2-Dibromoethane
 Concen: 52.088 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

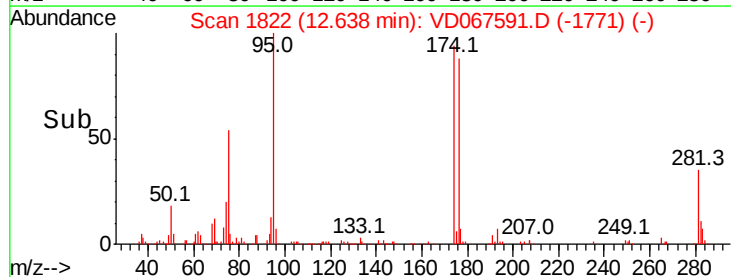
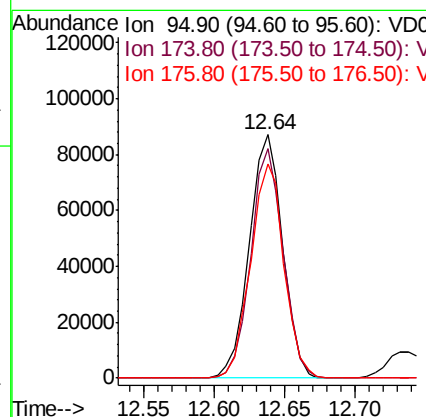
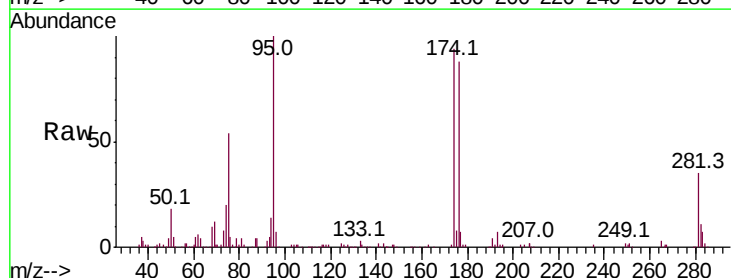
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

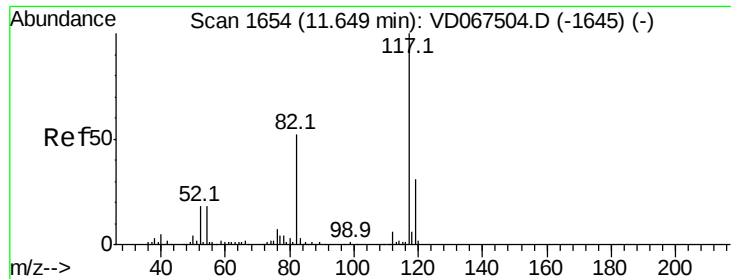
Tot Ion:107 Resp: 88605
 Ion Ratio Lower Upper
 107 100
 109 94.3 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 49.206 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Tgt Ion: 95 Resp: 144552
 Ion Ratio Lower Upper
 95 100
 174 91.5 0.0 177.8
 176 88.0 0.0 172.0

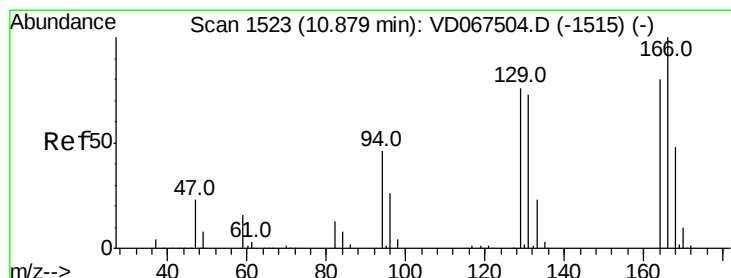
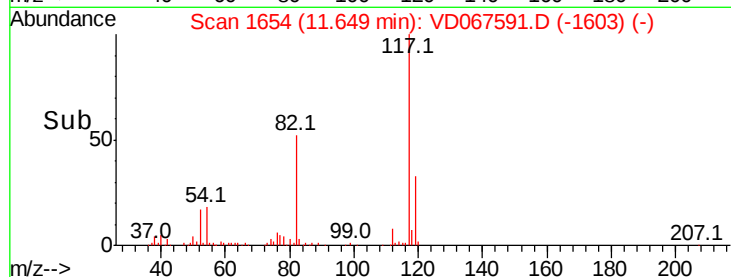
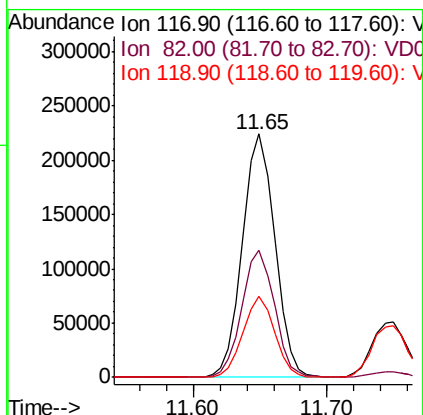
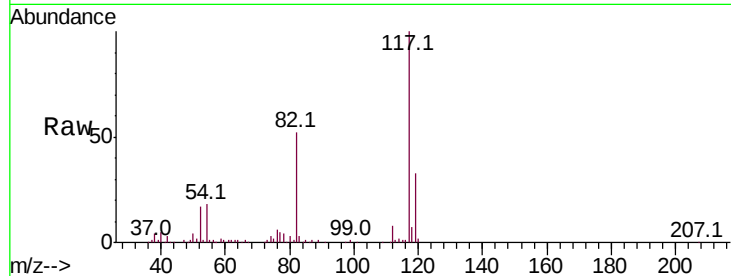




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

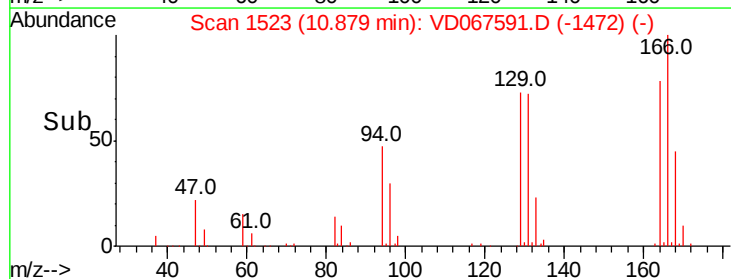
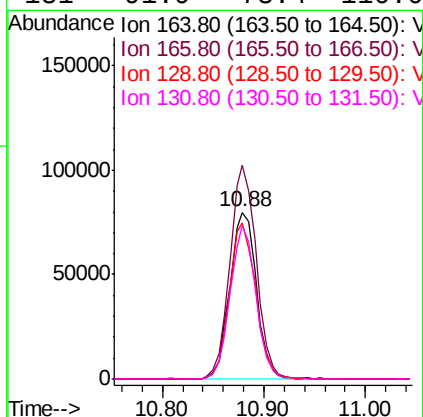
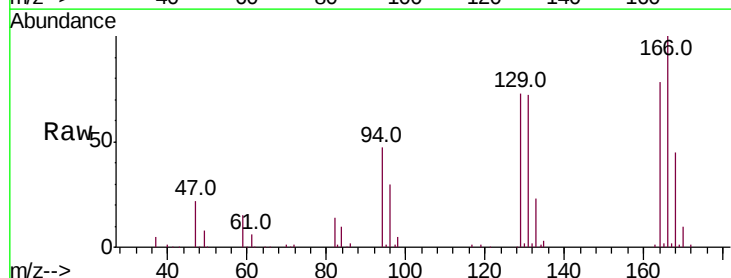
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

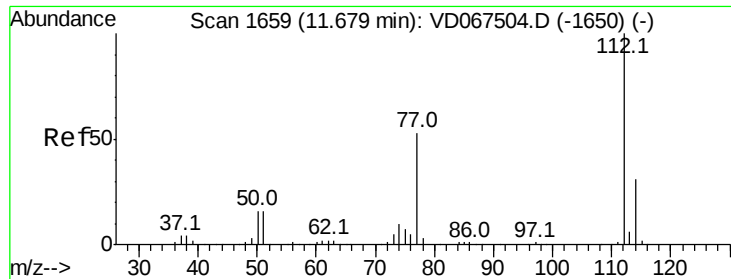
Tot Ion:117 Resp: 378787
Ion Ratio Lower Upper
117 100
82 52.2 41.6 62.4
119 33.3 25.1 37.7



#64
Tetrachloroethene
Concen: 52.006 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion:164 Resp: 145892
Ion Ratio Lower Upper
164 100
166 128.0 99.9 149.9
129 93.3 75.5 113.3
131 91.9 73.4 110.0

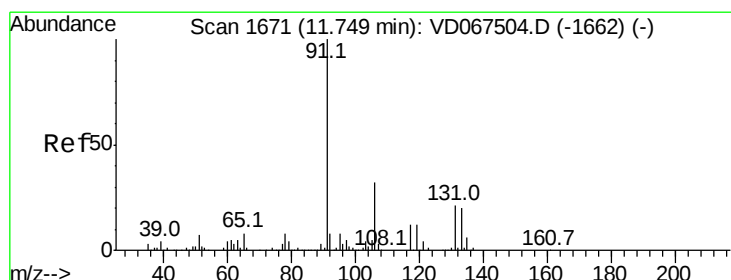
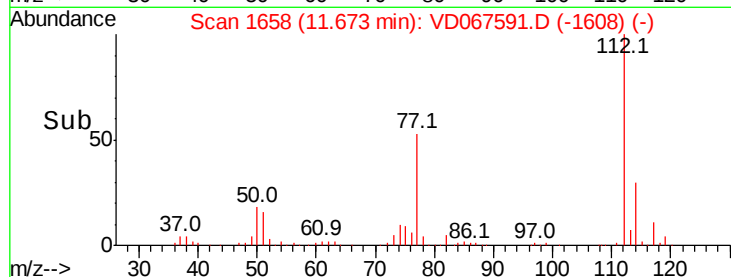
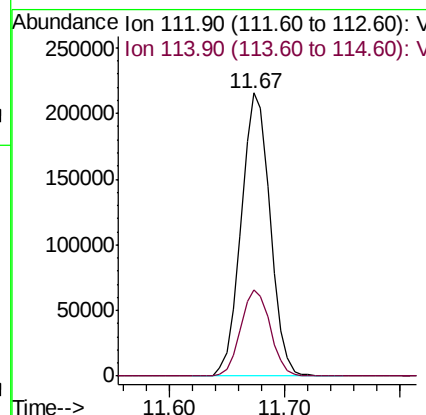
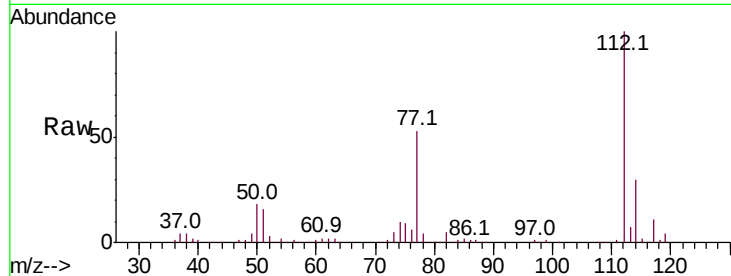




#65
Chlorobenzene
Concen: 51.309 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

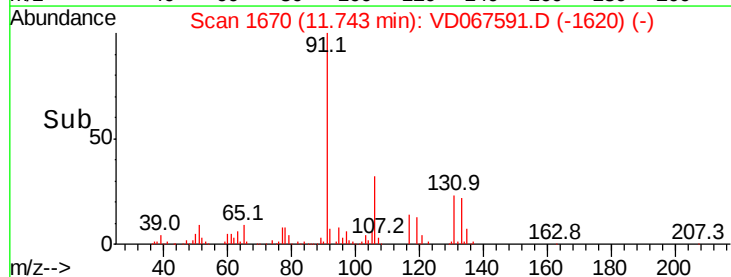
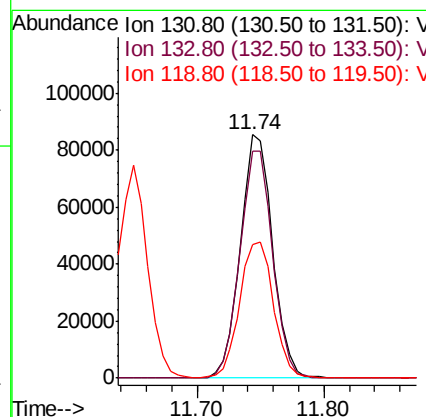
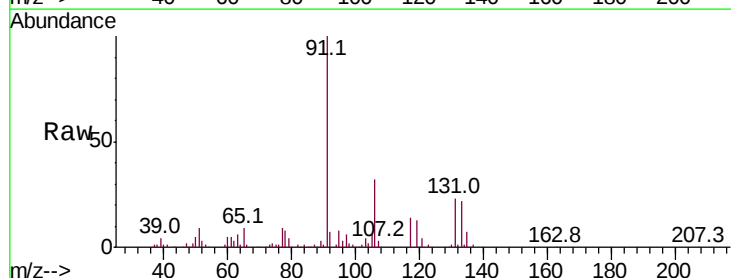
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

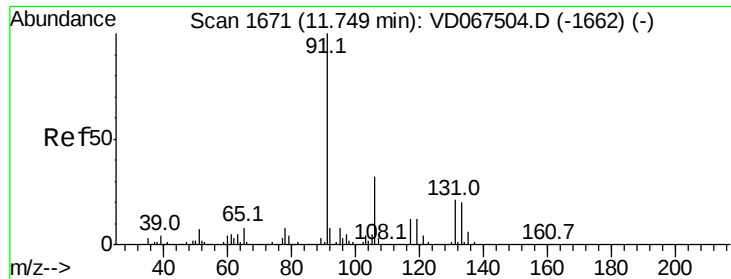
Tot Ion:112 Resp: 374373
Ion Ratio Lower Upper
112 100
114 30.4 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 52.218 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion:131 Resp: 150169
Ion Ratio Lower Upper
131 100
133 94.8 48.0 144.0
119 58.7 30.1 90.5





#67

Ethyl Benzene

Concen: 52.536 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

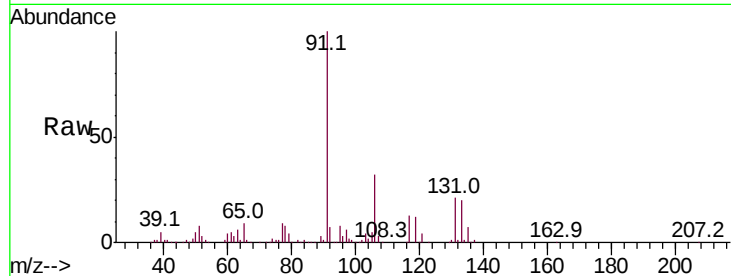
VSTDCCC050

Tot Ion: 91 Resp: 655945

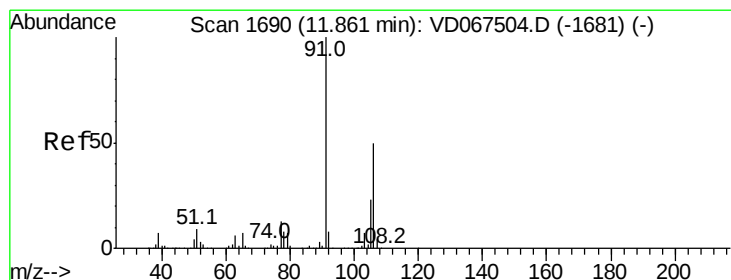
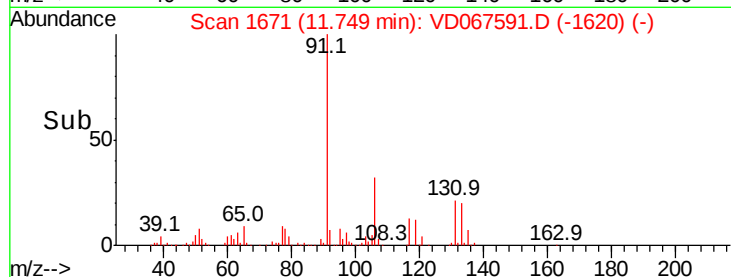
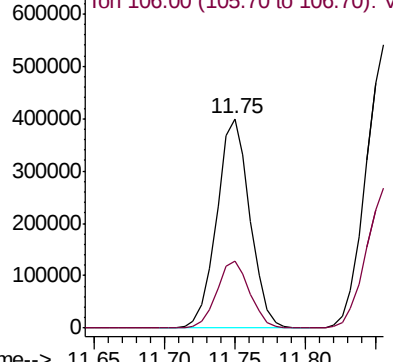
Ion Ratio Lower Upper

91 100

106 32.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC



#68

m/p-Xylenes

Concen: 106.020 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067591.D

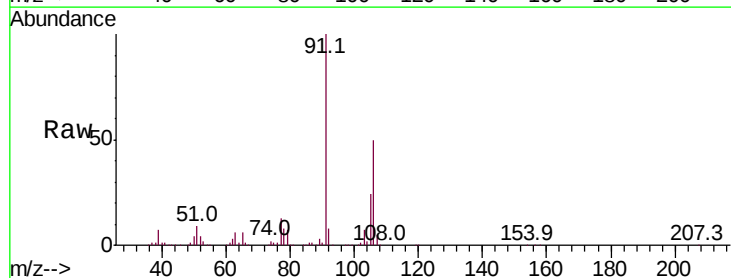
Acq: 11 Nov 2020 09:52

Tgt Ion: 106 Resp: 514990

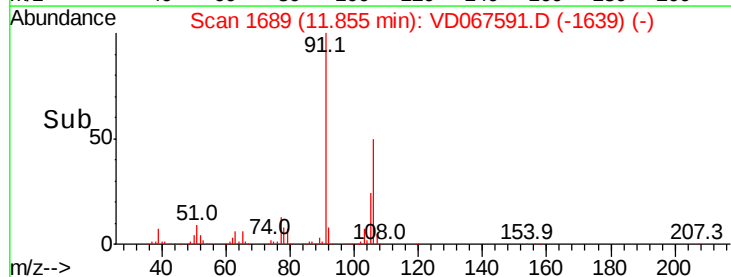
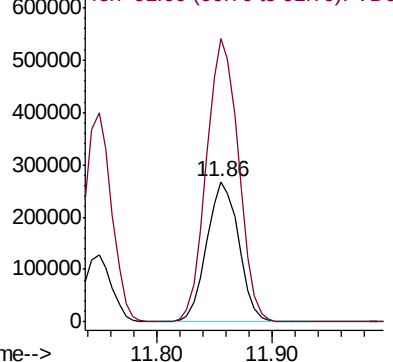
Ion Ratio Lower Upper

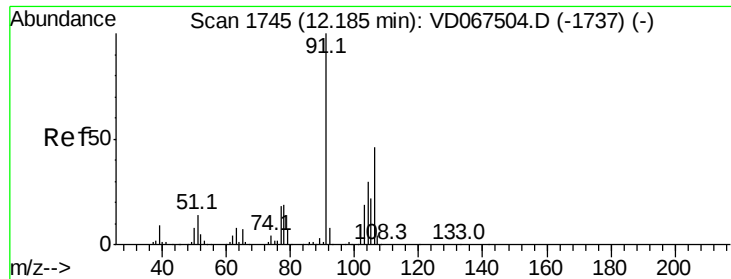
106 100

91 202.4 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

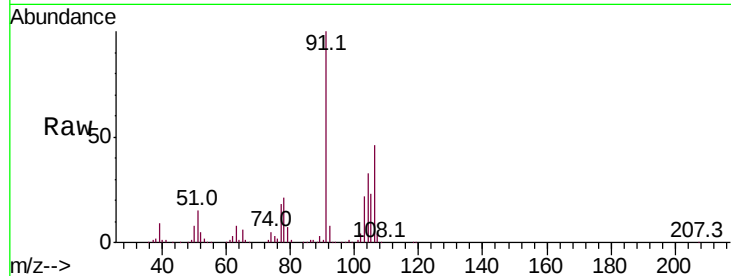




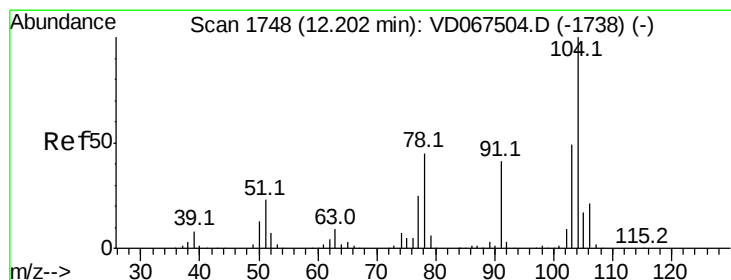
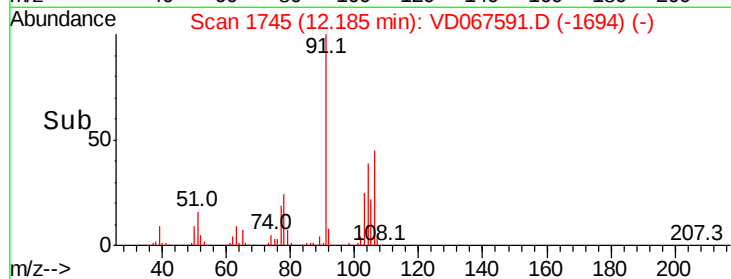
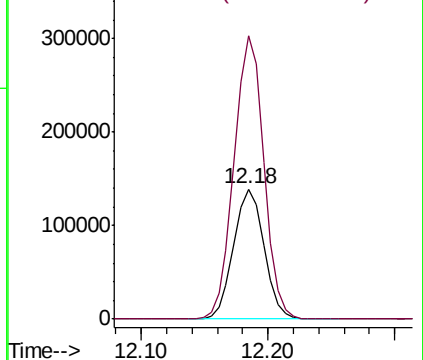
#69
o-Xylene
Concen: 53.343 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:106 Resp: 231344
Ion Ratio Lower Upper
106 100
91 213.0 107.1 321.1

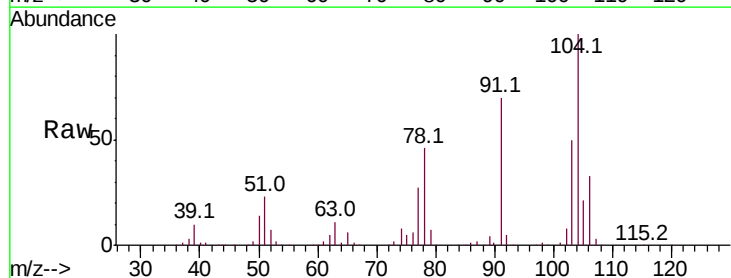


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

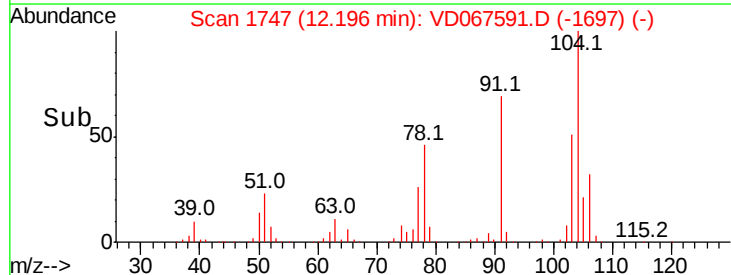
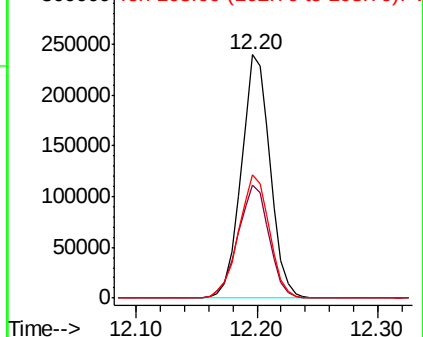


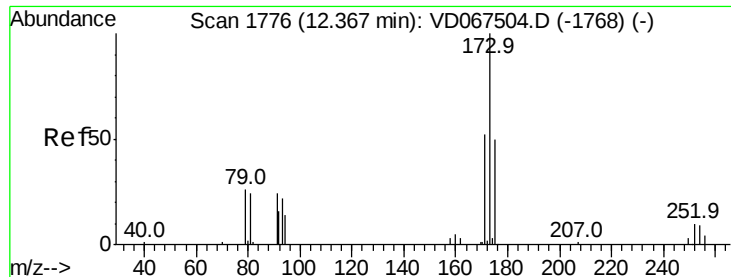
#70
Styrene
Concen: 52.653 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion:104 Resp: 397905
Ion Ratio Lower Upper
104 100
78 50.2 39.8 59.8
103 54.1 43.9 65.9



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): V
Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 52.458 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

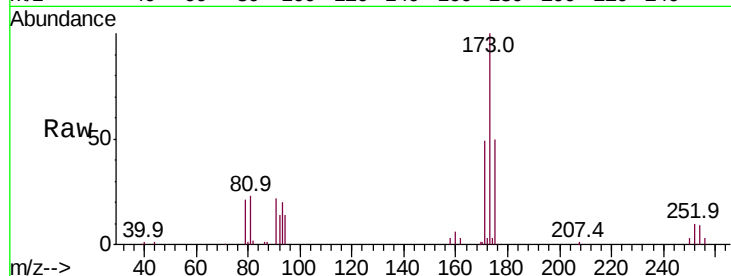
Tot Ion:173 Resp: 76939

Ion Ratio Lower Upper

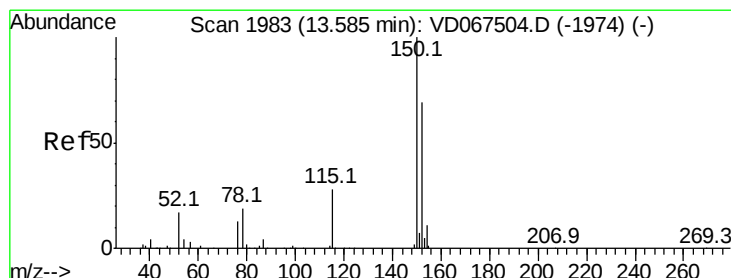
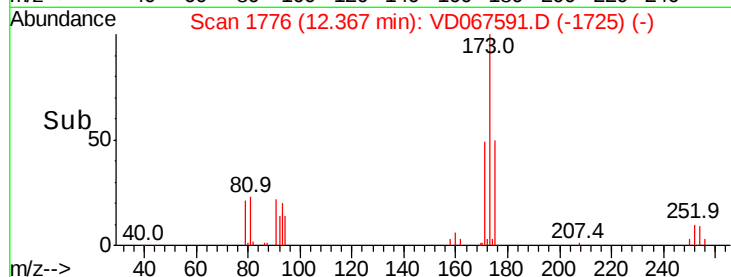
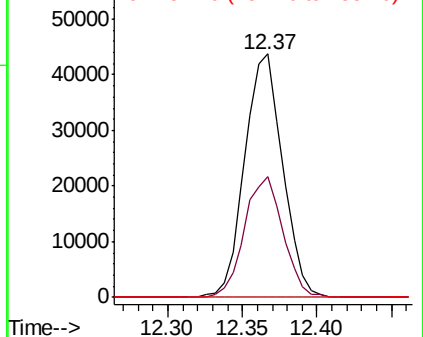
173 100

175 50.0 24.1 72.2

254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1982

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

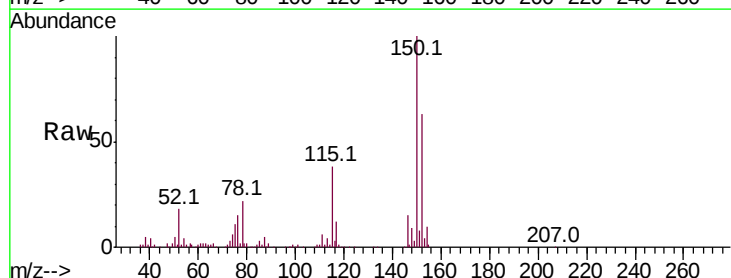
Tgt Ion:152 Resp: 192672

Ion Ratio Lower Upper

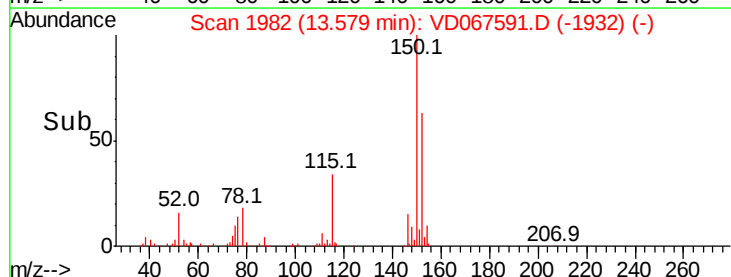
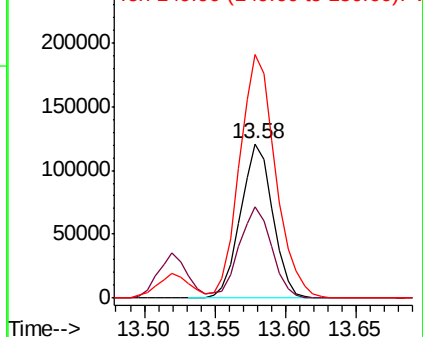
152 100

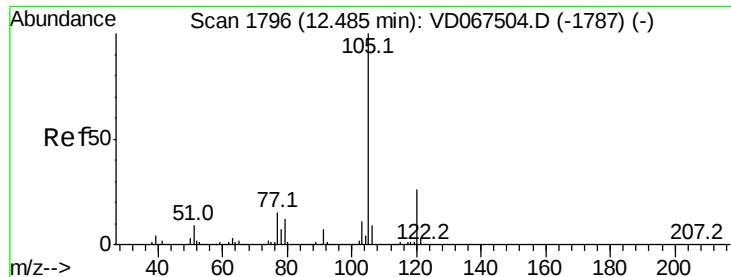
115 60.3 29.3 88.0

150 176.1 0.0 338.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.445 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

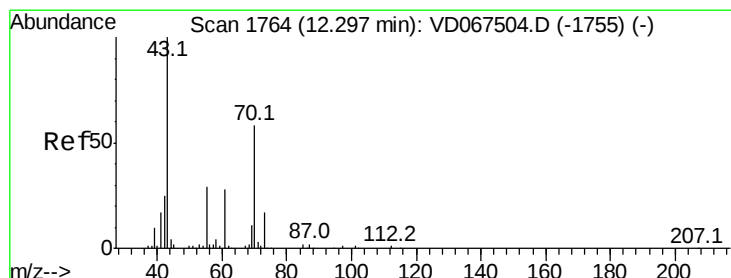
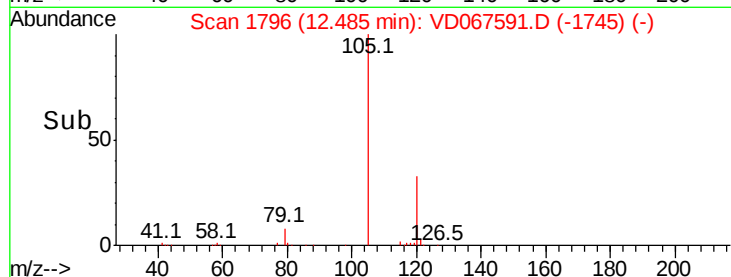
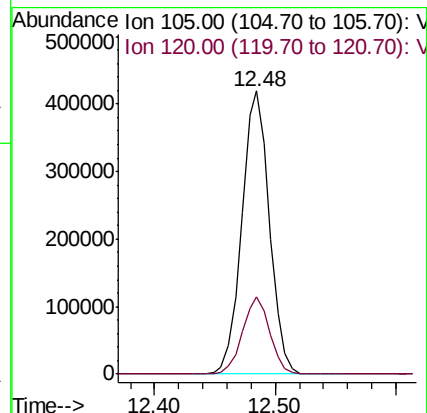
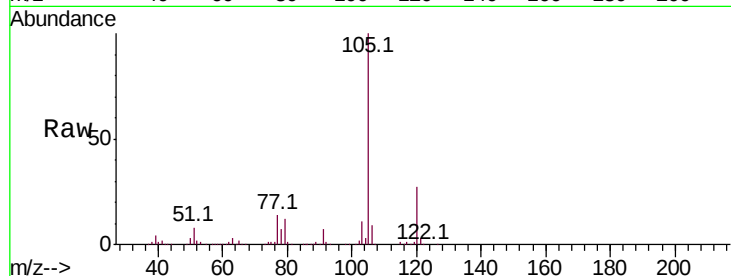
VSTDCCC050

Tot Ion:105 Resp: 665495

Ion Ratio Lower Upper

105 100

120 26.9 13.2 39.6



#74

N-ethyl acetate

Concen: 50.838 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Tgt Ion: 43 Resp: 83298

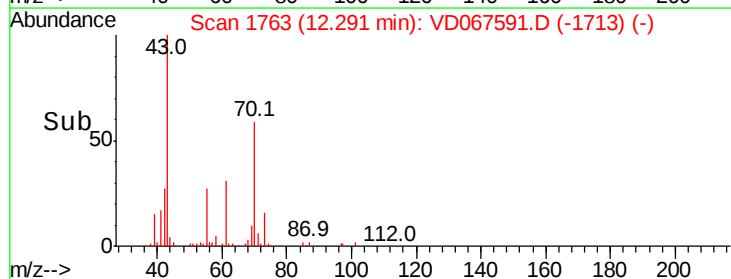
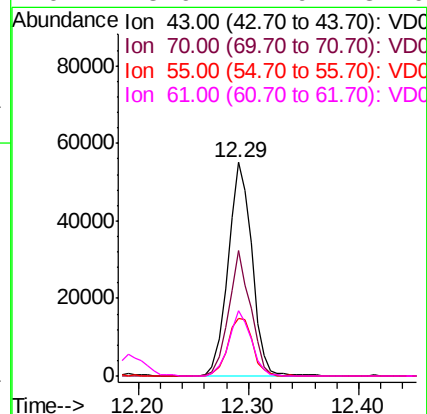
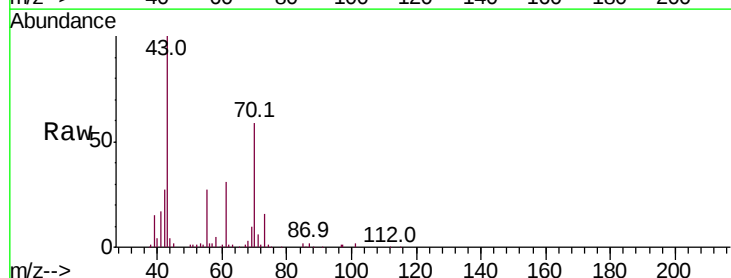
Ion Ratio Lower Upper

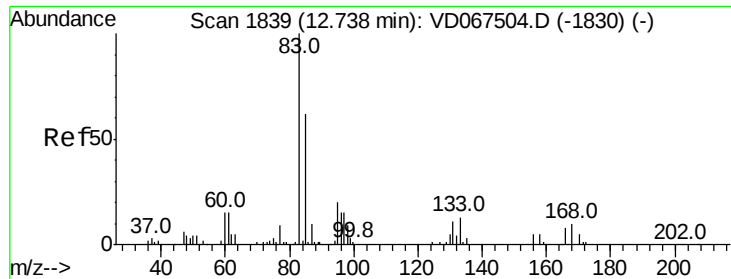
43 100

70 54.0 42.6 64.0

55 28.4 23.7 35.5

61 28.9 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 52.015 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

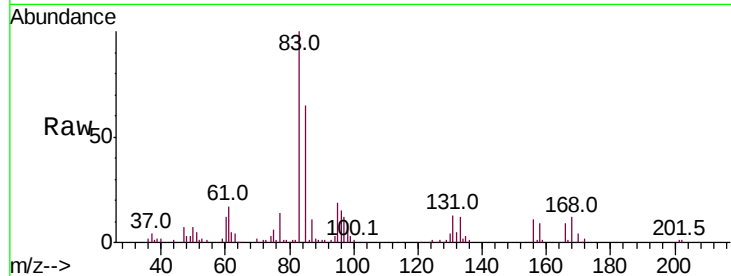
Tot Ion: 83 Resp: 88321

Ion Ratio Lower Upper

83 100

131 12.4 7.1 21.3

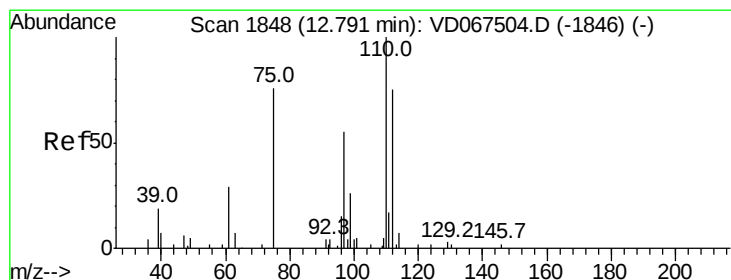
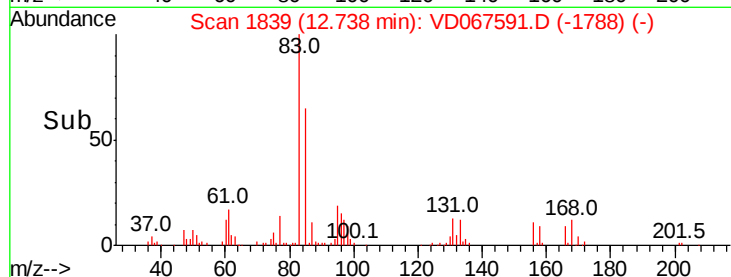
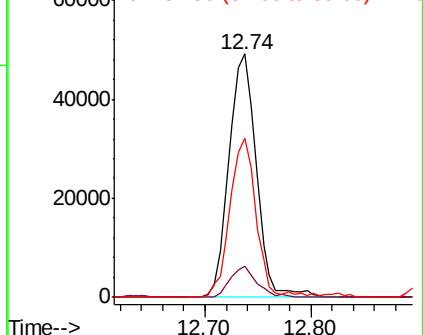
85 60.9 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 105.138 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067591.D

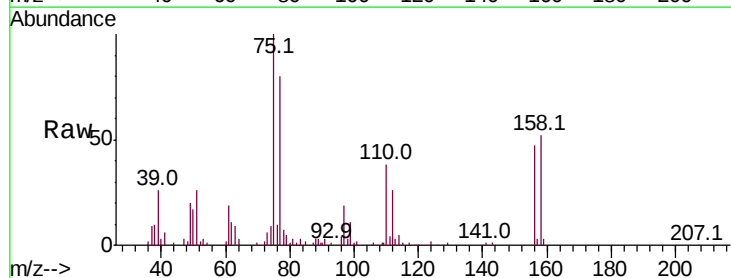
Acq: 11 Nov 2020 09:52

Tgt Ion: 75 Resp: 122203

Ion Ratio Lower Upper

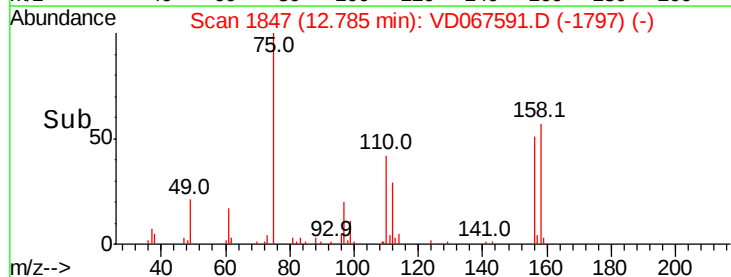
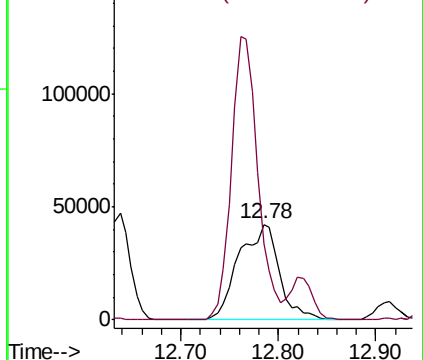
75 100

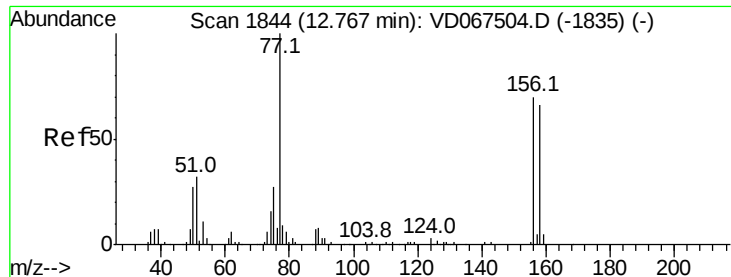
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 52.027 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

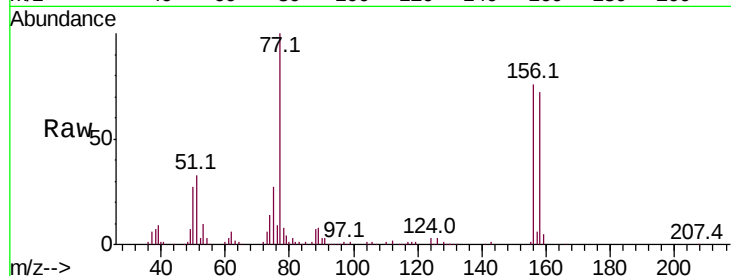
Tot Ion:156 Resp: 159101

Ion Ratio Lower Upper

156 100

77 148.5 77.8 233.5

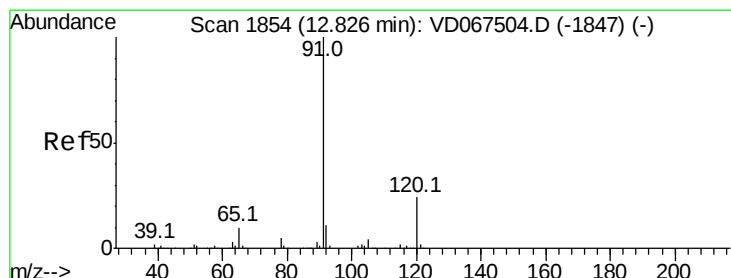
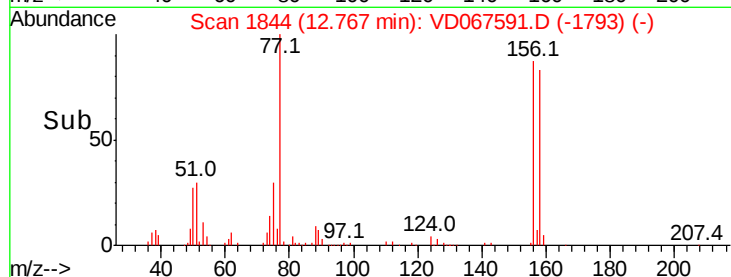
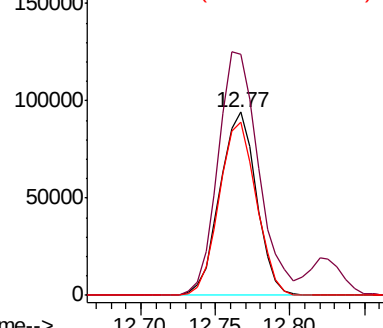
158 96.2 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 53.102 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067591.D

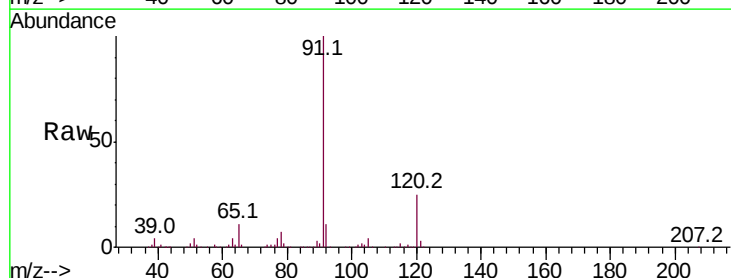
Acq: 11 Nov 2020 09:52

Tgt Ion: 91 Resp: 756337

Ion Ratio Lower Upper

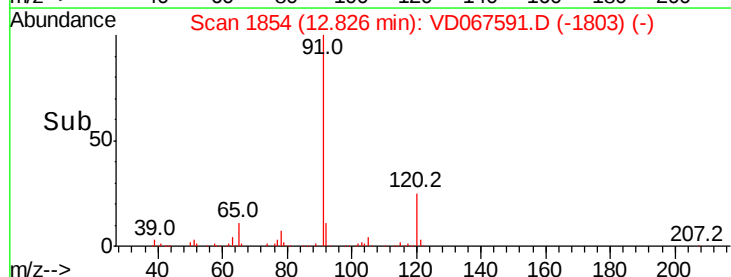
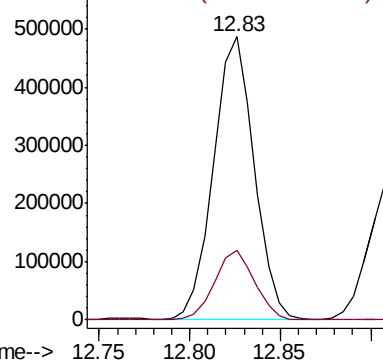
91 100

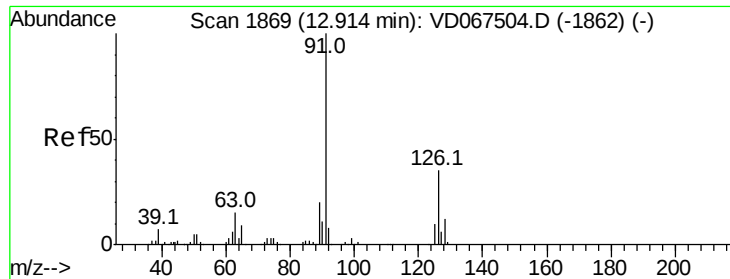
120 24.2 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

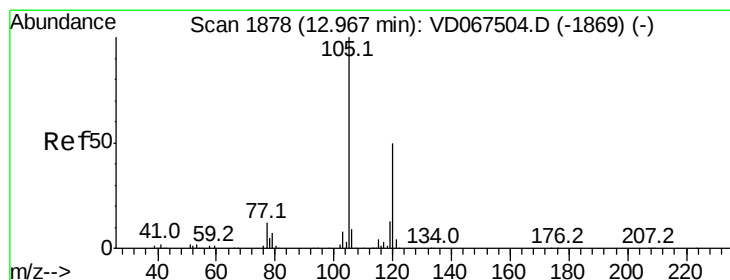
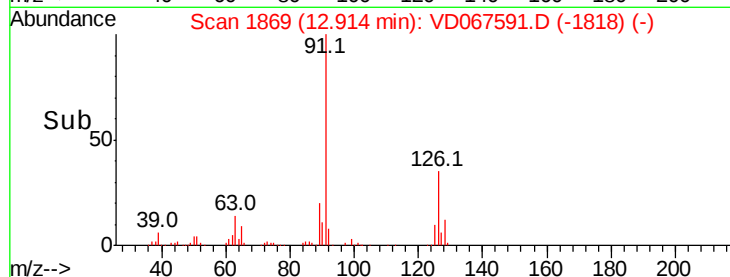
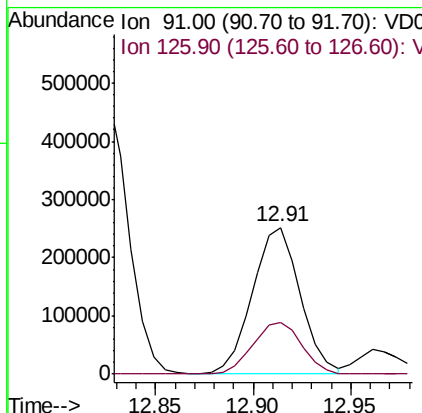
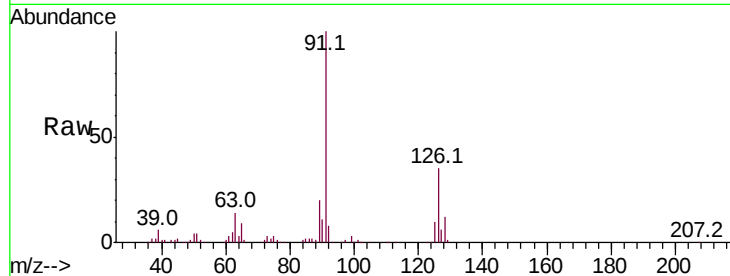




#79
 2-Chlorotoluene
 Concen: 52.777 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

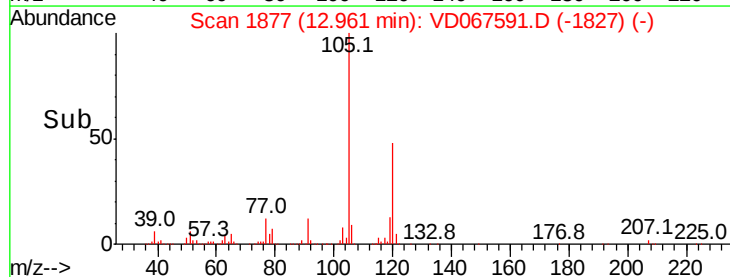
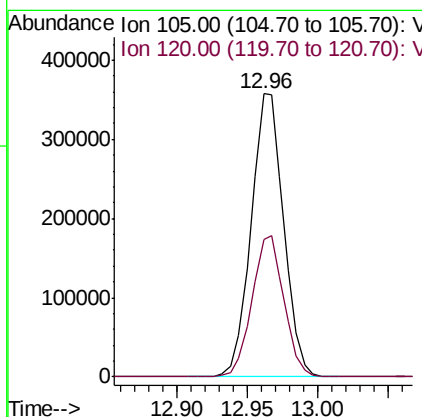
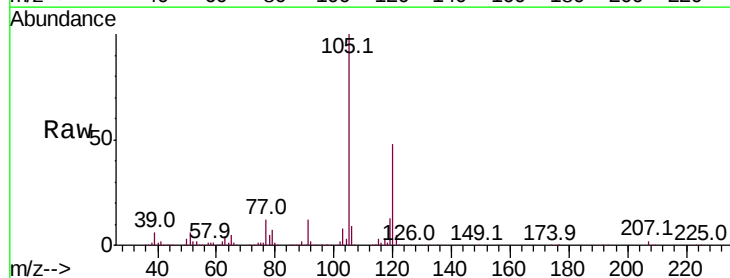
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

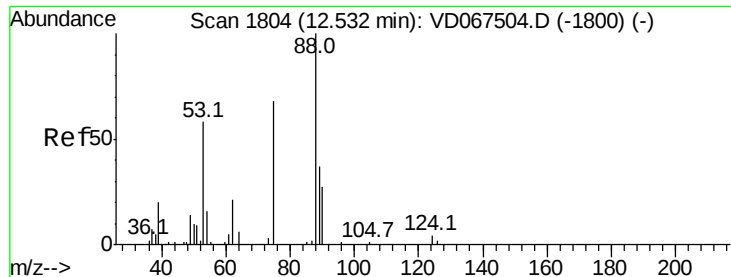
Tot Ion: 91 Resp: 427001
 Ion Ratio Lower Upper
 91 100
 126 36.1 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 54.173 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Tgt Ion: 105 Resp: 576243
 Ion Ratio Lower Upper
 105 100
 120 49.3 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 49.582 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

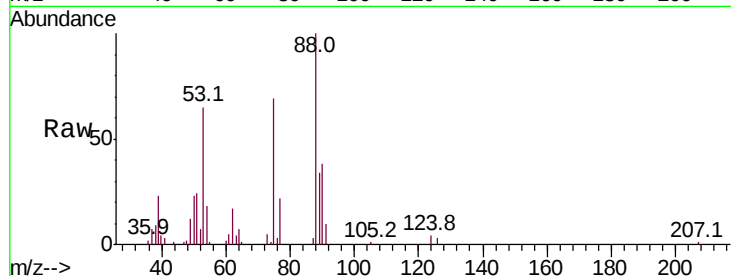
Tot Ion: 75 Resp: 28385

Ion Ratio Lower Upper

75 100

53 93.1 75.9 113.9

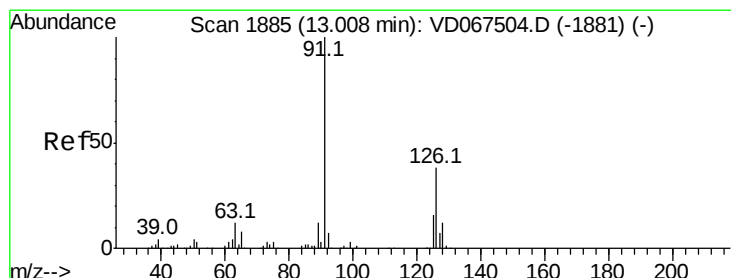
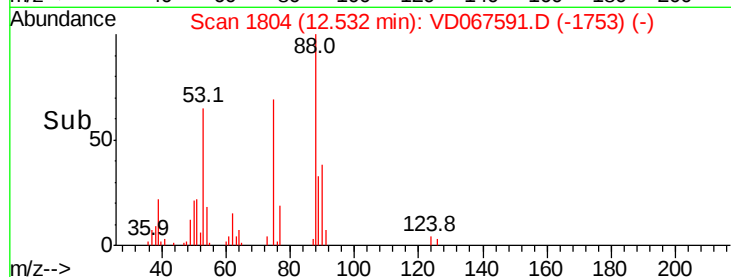
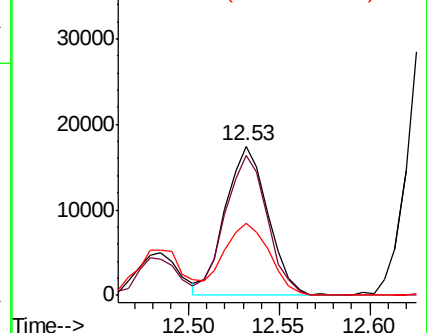
89 51.3 44.6 67.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 53.135 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067591.D

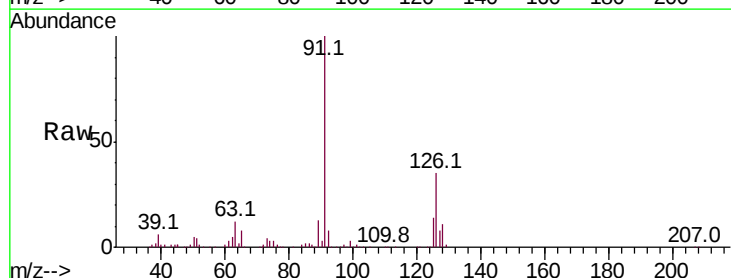
Acq: 11 Nov 2020 09:52

Tgt Ion: 91 Resp: 461069

Ion Ratio Lower Upper

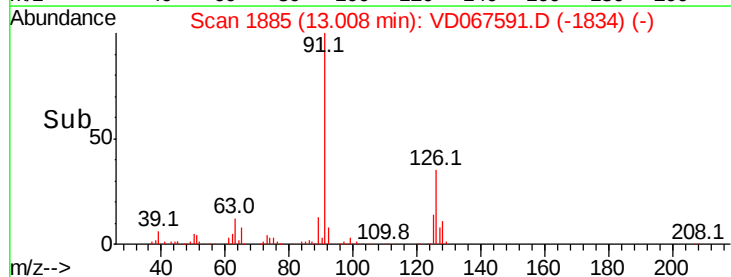
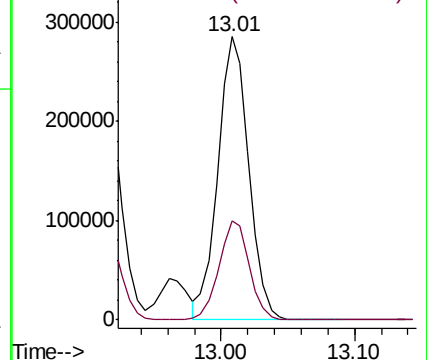
91 100

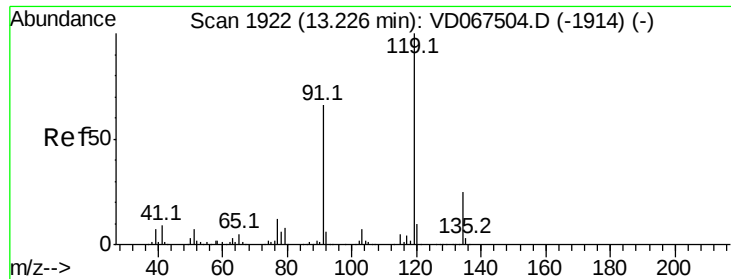
126 34.5 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

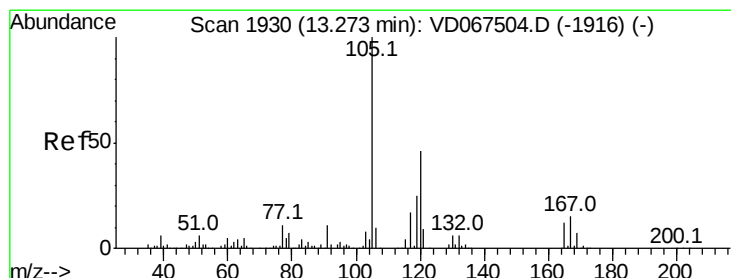
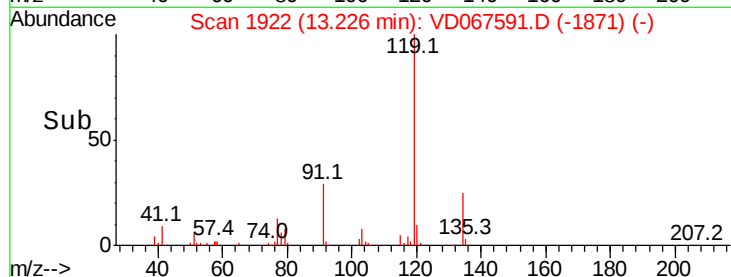
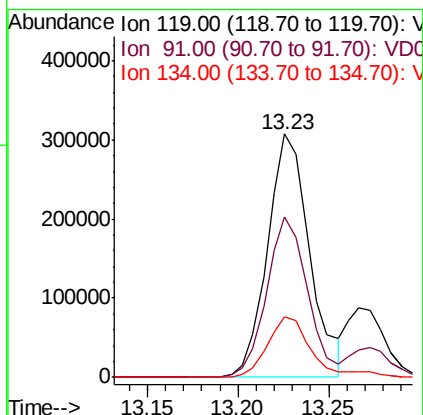
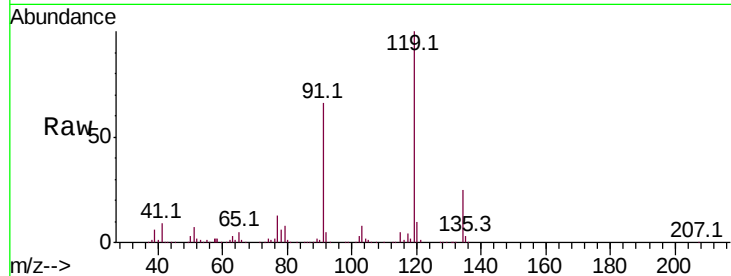




#83
tert-Butylbenzene
Concen: 55.318 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

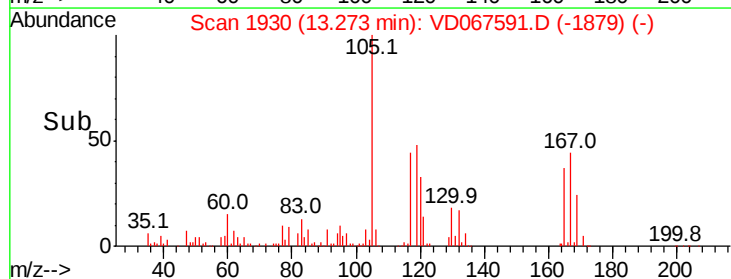
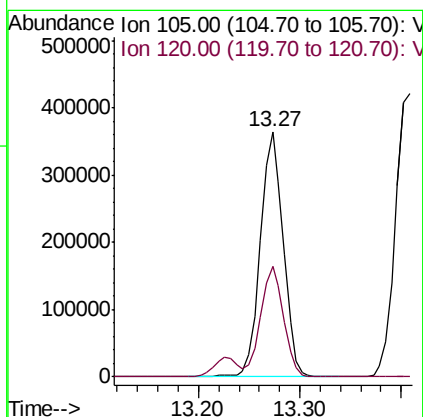
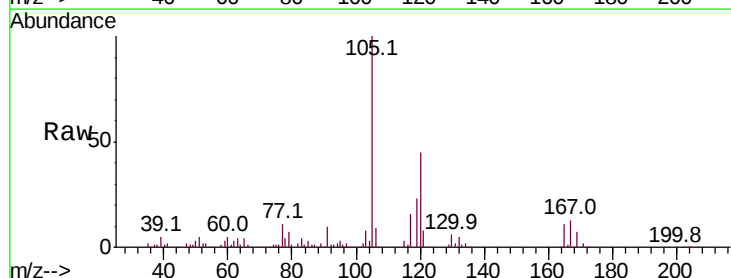
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

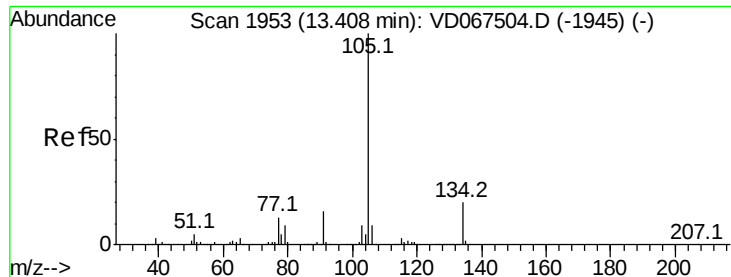
Tot Ion:119 Resp: 498697
Ion Ratio Lower Upper
119 100
91 63.8 32.7 98.1
134 24.7 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 53.869 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion:105 Resp: 570379
Ion Ratio Lower Upper
105 100
120 45.0 22.1 66.1





#85

sec-Butylbenzene

Concen: 54.627 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

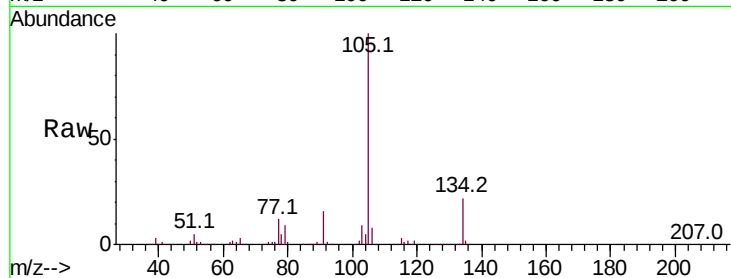
VSTDCCC050

Tot Ion:105 Resp: 664804

Ion Ratio Lower Upper

105 100

134 21.3 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

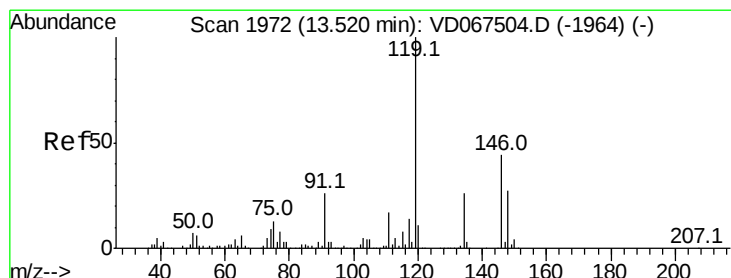
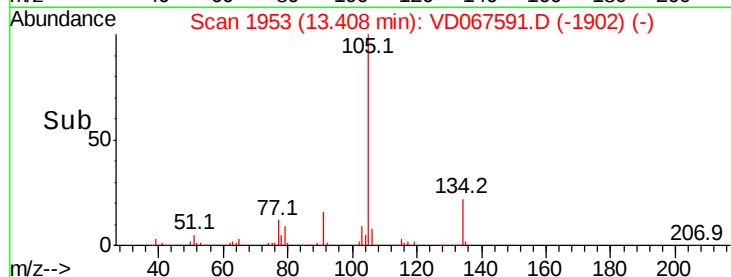
300000

200000

100000

0

Time--> 13.30 13.40



#86

p-Isopropyltoluene

Concen: 53.918 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

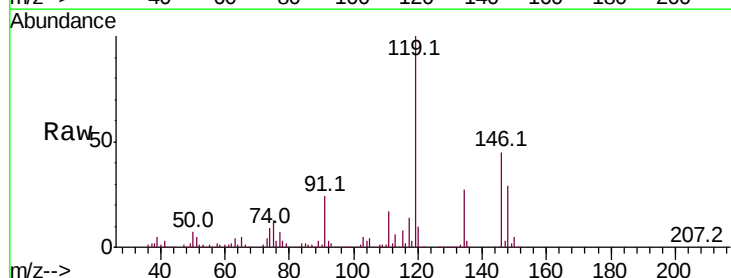
Tgt Ion:119 Resp: 633648

Ion Ratio Lower Upper

119 100

134 26.3 13.1 39.3

91 24.1 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

400000

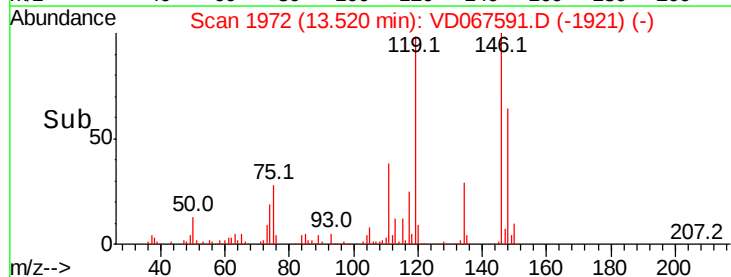
300000

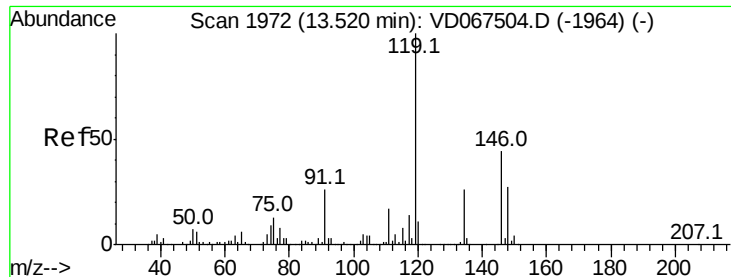
200000

100000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 51.842 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

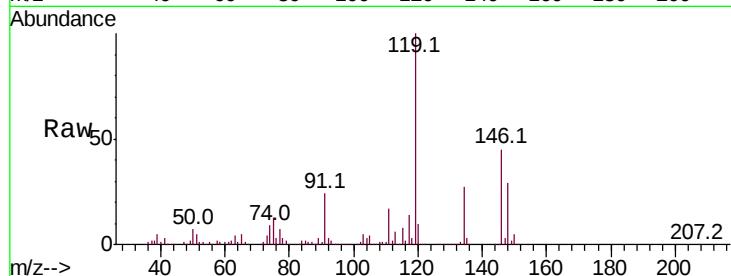
Tot Ion:146 Resp: 302508

Ion Ratio Lower Upper

146 100

111 39.0 20.3 60.8

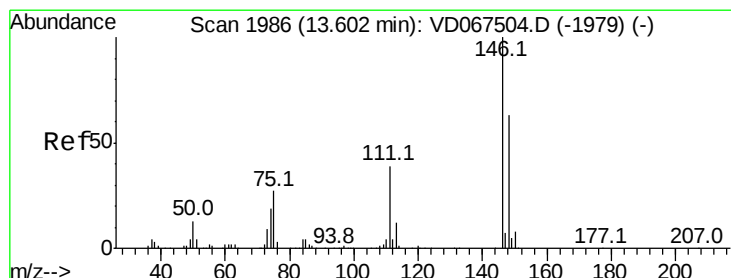
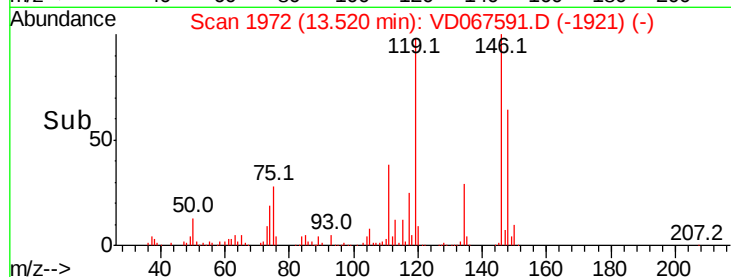
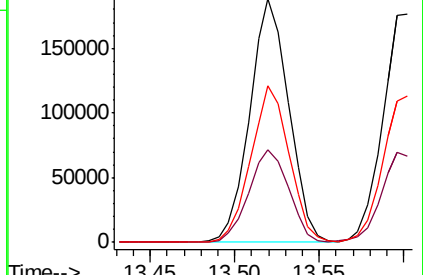
148 63.5 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 50.727 ug/l

RT: 13.60 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

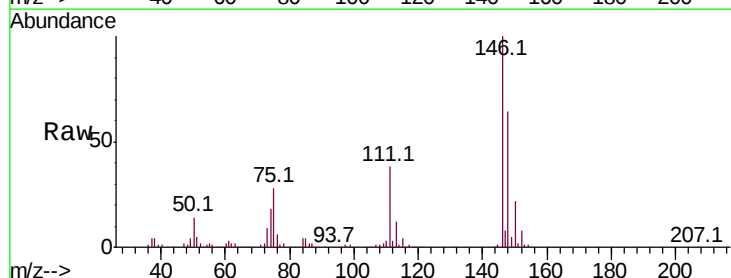
Tgt Ion:146 Resp: 299726

Ion Ratio Lower Upper

146 100

111 39.2 19.6 58.7

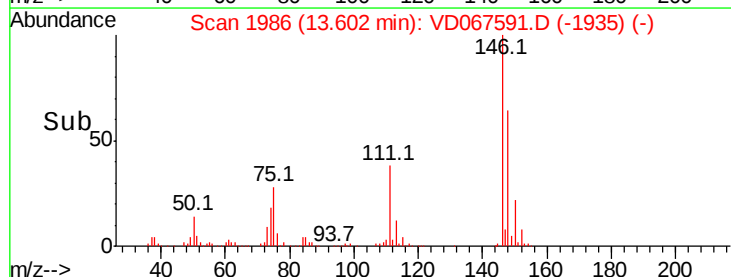
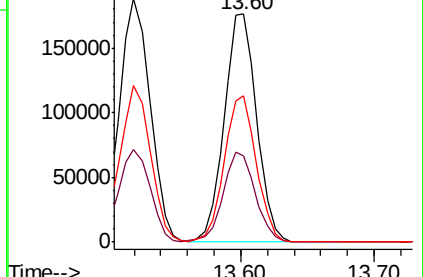
148 63.3 31.8 95.4

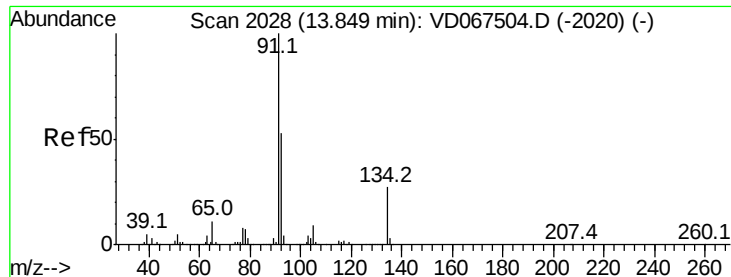


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

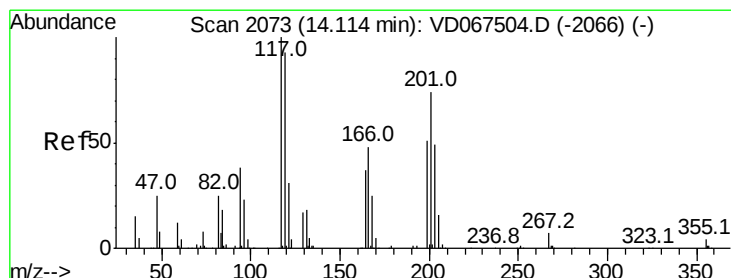
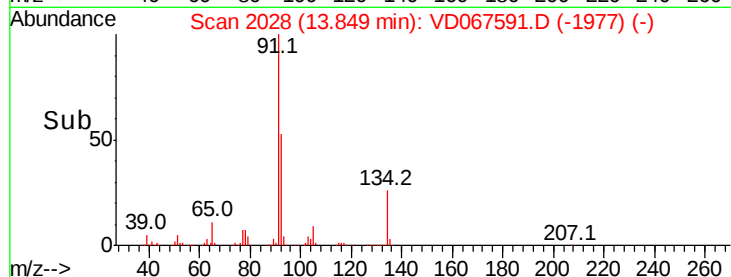
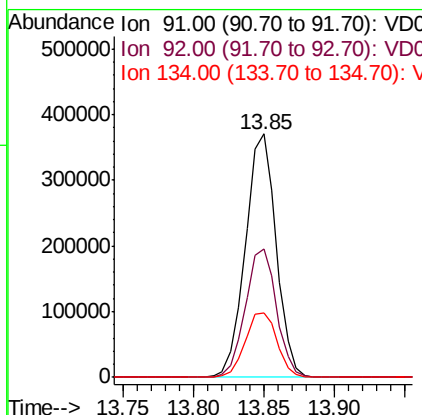
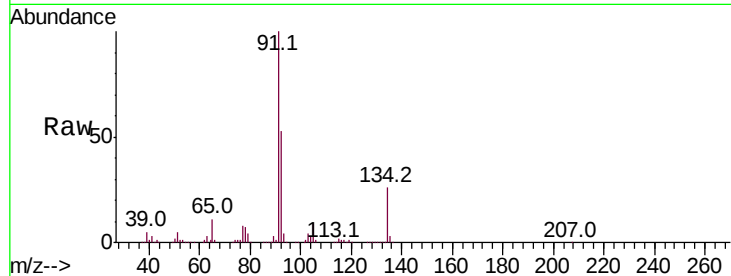




#89
n-Butylbenzene
Concen: 55.809 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

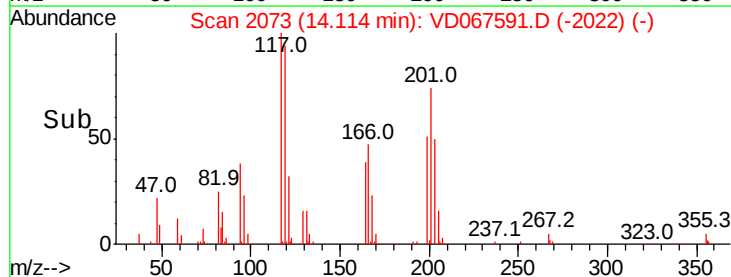
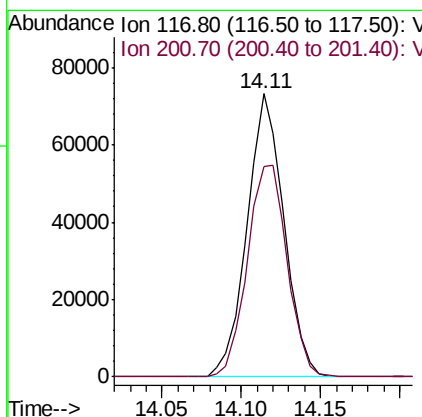
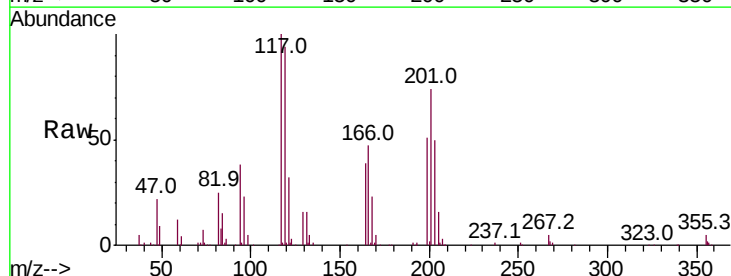
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

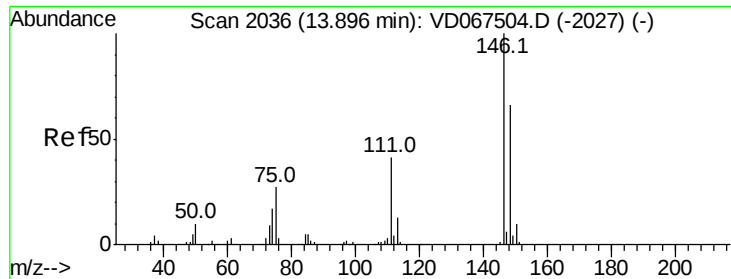
Tot Ion: 91 Resp: 566518
Ion Ratio Lower Upper
91 100
92 53.4 26.6 79.8
134 27.6 14.1 42.2



#90
Hexachloroethane
Concen: 53.491 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion: 117 Resp: 118383
Ion Ratio Lower Upper
117 100
201 80.7 40.7 122.1





#91

1,2-Dichlorobenzene

Concen: 52.512 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

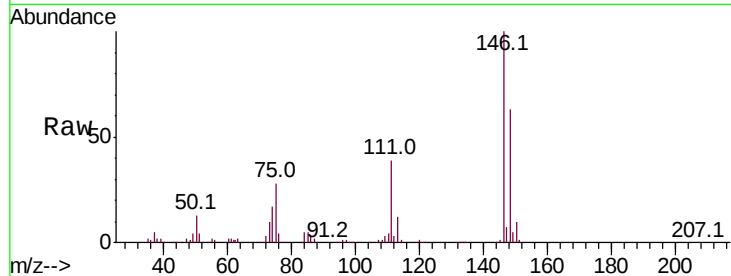
Tot Ion:146 Resp: 265197

Ion Ratio Lower Upper

146 100

111 40.6 20.7 62.1

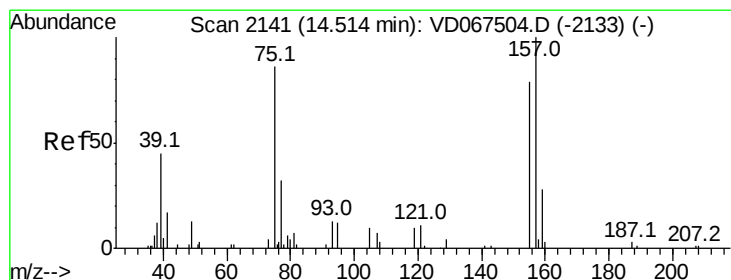
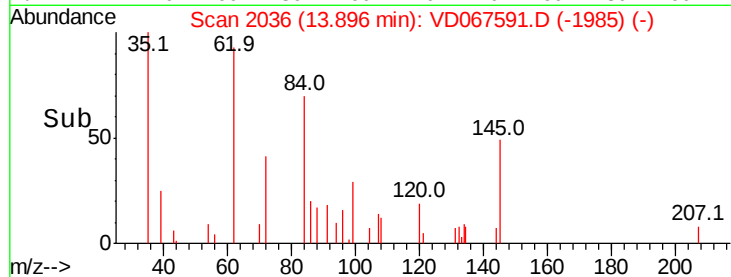
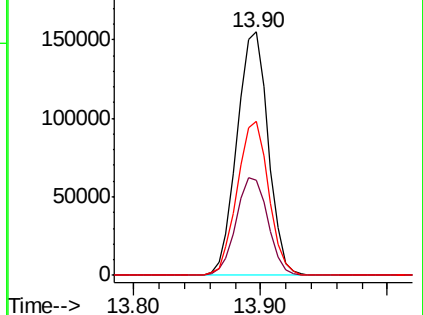
148 63.8 31.5 94.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 52.290 ug/l

RT: 14.51 min Scan# 2140

Delta R.T. -0.01 min

Lab File: VD067591.D

Acq: 11 Nov 2020 09:52

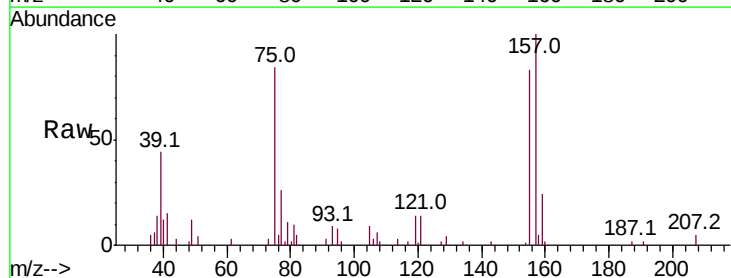
Tgt Ion: 75 Resp: 15720

Ion Ratio Lower Upper

75 100

155 91.9 46.6 139.8

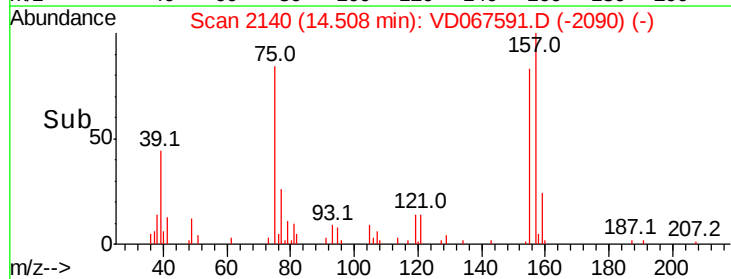
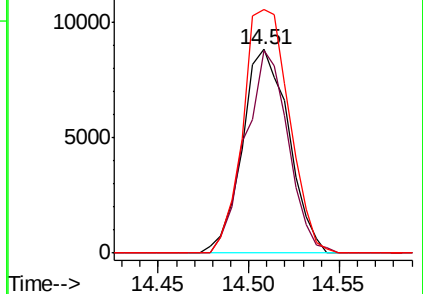
157 119.4 58.1 174.2

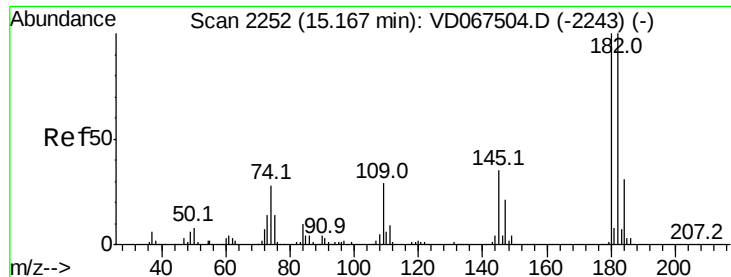


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

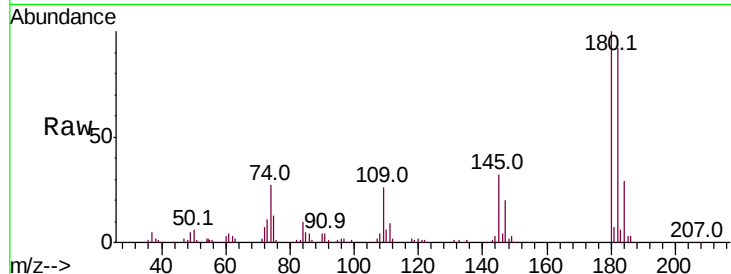




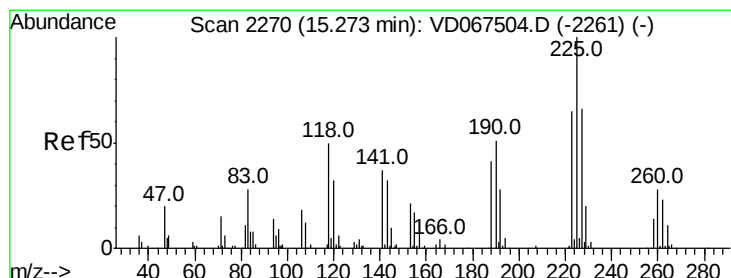
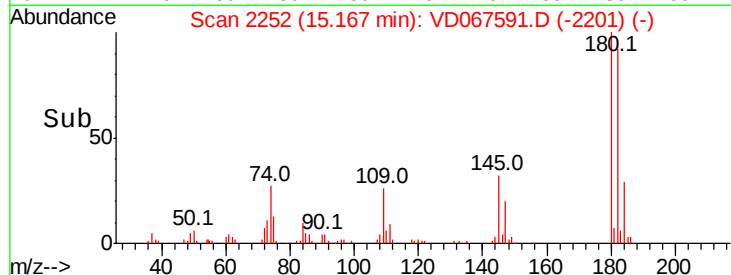
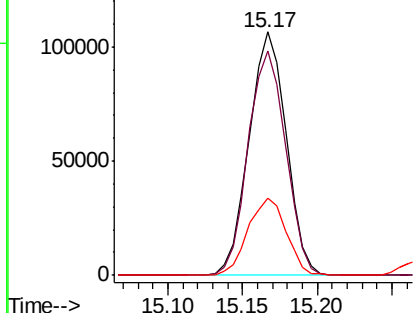
#93
 1,2,4-Trichlorobenzene
 Concen: 53.587 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.3	47.4	142.3
145	32.7	16.2	48.6

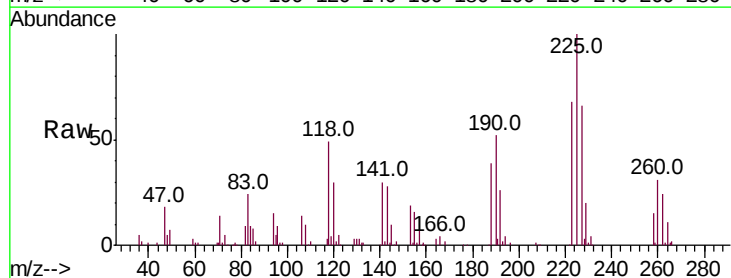


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

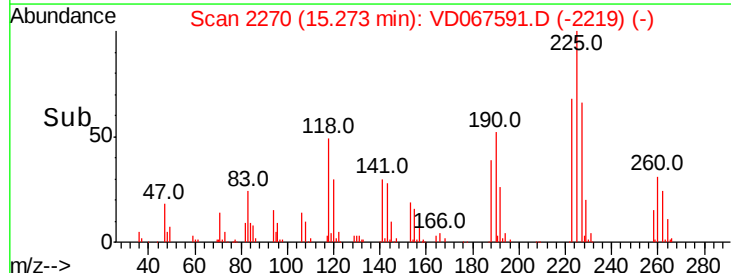
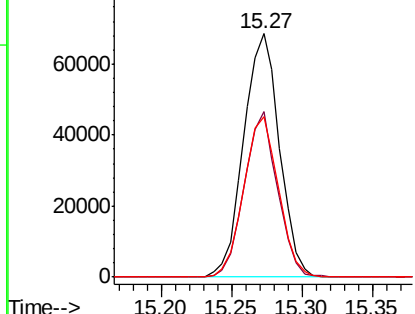


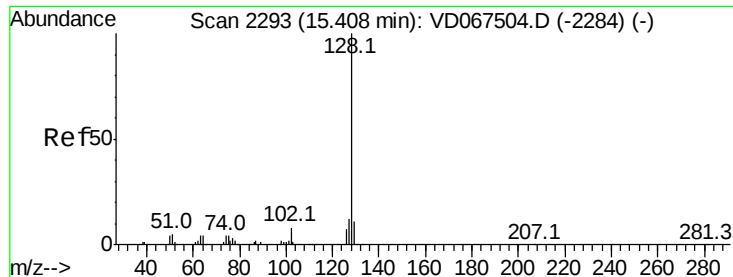
#94
 Hexachlorobutadiene
 Concen: 52.919 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067591.D
 Acq: 11 Nov 2020 09:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	31.9	95.5
227	64.2	32.5	97.4



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

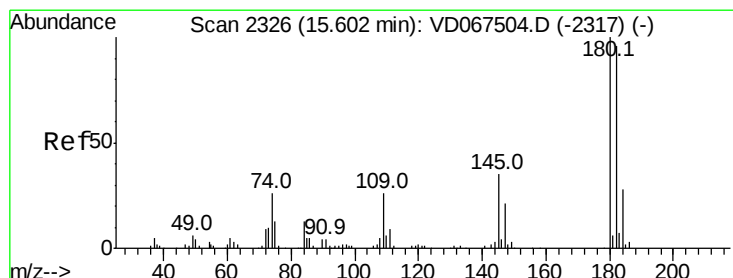
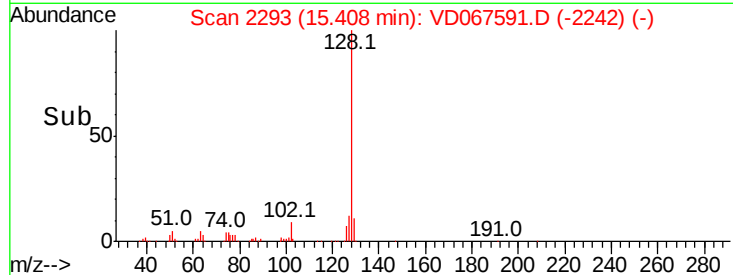
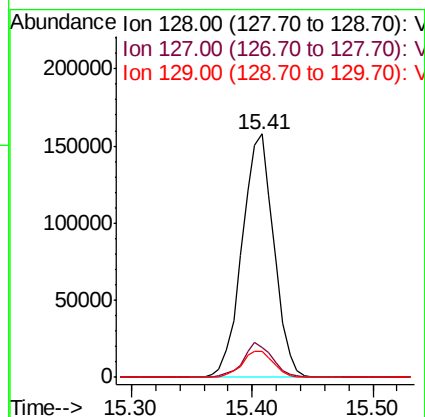
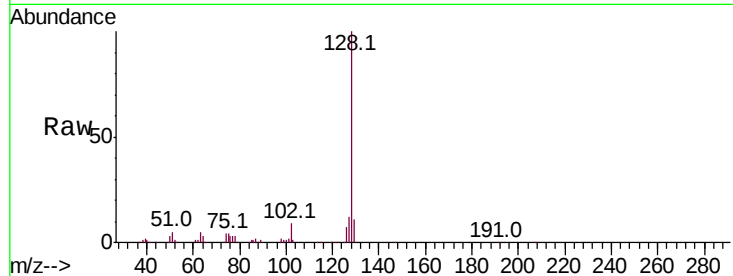




#95
Naphthalene
Concen: 54.671 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128	Resp:	289192
Ion	Ratio	Lower Upper
128	100	
127	13.1	10.2 15.4
129	10.7	8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 52.581 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. -0.00 min
Lab File: VD067591.D
Acq: 11 Nov 2020 09:52

Tgt Ion:180	Resp:	154336
Ion	Ratio	Lower Upper
180	100	
182	94.4	46.9 140.8
145	32.8	17.1 51.2

