

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD111220\
 Data File : VD067615.D
 Acq On : 12 Nov 2020 09:51
 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 13 00:28:54 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	356431	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	497932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	459180	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	231111	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	139494	44.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.52%	
35) Dibromofluoromethane	7.91	113	150989	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.34	98	519190	49.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.50%	
62) 4-Bromofluorobenzene	12.64	95	185586	50.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.98%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	130838	44.882	ug/l	99
3) Chloromethane	2.21	50	90101	40.594	ug/l	95
4) Vinyl Chloride	2.35	62	101941	41.195	ug/l	100
5) Bromomethane	2.77	94	81432	40.600	ug/l	95
6) Chloroethane	2.92	64	68287	44.759	ug/l	95
7) Trichlorofluoromethane	3.27	101	286049	44.644	ug/l	92
8) Diethyl Ether	3.70	74	63324	49.047	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	4.10	101	153203	47.369	ug/l	100
10) Methyl Iodide	4.30	142	153981	44.420	ug/l	98
11) Tert butyl alcohol	5.21	59	42076	318.846	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	141825	47.673	ug/l	94
13) Acrolein	3.91	56	37045	265.780	ug/l	93
14) Allyl chloride	4.71	41	155034	48.692	ug/l	96
15) Acrylonitrile	5.42	53	122320	256.299	ug/l	97
16) Acetone	4.15	43	137581	294.997	ug/l	99
17) Carbon Disulfide	4.41	76	412466	45.246	ug/l	99
18) Methyl Acetate	4.71	43	51880	53.831	ug/l	96
19) Methyl tert-butyl Ether	5.48	73	306365	52.208	ug/l #	91
20) Methylene Chloride	4.96	84	150558	45.700	ug/l	96
21) trans-1,2-Dichloroethene	5.47	96	164572	47.495	ug/l	97
22) Diisopropyl ether	6.36	45	319163	51.439	ug/l	97
23) Vinyl Acetate	6.30	43	889235	273.795	ug/l	100
24) 1,1-Dichloroethane	6.26	63	245044	48.276	ug/l	98
25) 2-Butanone	7.21	43	137813	276.544	ug/l	99
26) 2,2-Dichloropropane	7.21	77	257532	48.073	ug/l	98
27) cis-1,2-Dichloroethene	7.21	96	172800	48.046	ug/l	97
28) Bromochloromethane	7.55	49	96556	53.478	ug/l	96
29) Tetrahydrofuran	7.56	42	84312	282.444	ug/l	98
30) Chloroform	7.71	83	287156	47.420	ug/l	98
31) Cyclohexane	7.98	56	207194	45.837	ug/l	91
32) 1,1,1-Trichloroethane	7.90	97	292872	46.874	ug/l	99
36) 1,1-Dichloropropene	8.11	75	214458	50.316	ug/l	99
37) Ethyl Acetate	7.29	43	65072	58.806	ug/l #	95
38) Carbon Tetrachloride	8.10	117	278120	50.222	ug/l	99

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	257201	51.271	ug/l	98
40) Benzene	8.35	78	595925	51.616	ug/l	97
41) Methacrylonitrile	7.53	41	39428	59.610	ug/l #	84
42) 1,2-Dichloroethane	8.43	62	179536	50.331	ug/l	100
43) Isopropyl Acetate	8.46	43	122661	56.050	ug/l	100
44) Trichloroethene	9.11	130	191379	50.413	ug/l	96
45) 1,2-Dichloropropane	9.39	63	131366	52.627	ug/l	100
46) Dibromomethane	9.48	93	82441	51.943	ug/l	96
47) Bromodichloromethane	9.67	83	224340	52.004	ug/l	99
48) Methyl methacrylate	9.46	41	66491	58.845	ug/l	98
49) 1,4-Dioxane	9.46	88	18016	1118.159	ug/l	91
51) 4-Methyl-2-Pentanone	10.23	43	310251	296.432	ug/l	100
52) Toluene	10.41	92	408012	52.762	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	199557	54.013	ug/l	98
54) cis-1,3-Dichloropropene	10.09	75	226308	51.555	ug/l	96
55) 1,1,2-Trichloroethane	10.80	97	111483	53.088	ug/l	99
56) Ethyl methacrylate	10.66	69	122781	56.618	ug/l	97
57) 1,3-Dichloropropane	10.95	76	182054	53.874	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.94	63	310100	306.643	ug/l	99
59) 2-Hexanone	10.98	43	237774	324.919	ug/l	99
60) Dibromochloromethane	11.14	129	167619	53.959	ug/l	100
61) 1,2-Dibromoethane	11.25	107	112024	53.152	ug/l	98
64) Tetrachloroethene	10.88	164	166312	48.906	ug/l	95
65) Chlorobenzene	11.67	112	446840	50.519	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.74	131	176846	50.728	ug/l	99
67) Ethyl Benzene	11.75	91	791008	52.261	ug/l	98
68) m/p-Xylenes	11.86	106	610241	103.634	ug/l	99
69) o-Xylene	12.18	106	274810	52.272	ug/l	98
70) Styrene	12.20	104	471634	51.483	ug/l	100
71) Bromoform	12.36	173	98952	55.655	ug/l #	99
73) Isopropylbenzene	12.48	105	788916	52.819	ug/l	99
74) N-amyl acetate	12.29	43	112027	57.000	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.73	83	111679	54.832	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	152193	109.162	ug/l #	100
77) Bromobenzene	12.77	156	185710	50.627	ug/l	99
78) n-propylbenzene	12.83	91	898999	52.621	ug/l	100
79) 2-Chlorotoluene	12.91	91	502727	51.802	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	679144	53.227	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.53	75	36420	53.036	ug/l	94
82) 4-Chlorotoluene	13.01	91	538800	51.766	ug/l	99
83) tert-Butylbenzene	13.23	119	586318	54.220	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	670302	52.777	ug/l	99
85) sec-Butylbenzene	13.40	105	770051	52.751	ug/l	98
86) p-Isopropyltoluene	13.52	119	746007	52.921	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	358297	51.190	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	354067	49.957	ug/l	99
89) n-Butylbenzene	13.85	91	647838	53.205	ug/l	99
90) Hexachloroethane	14.11	117	133606	50.329	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	315969	52.160	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	19674	54.557	ug/l	96

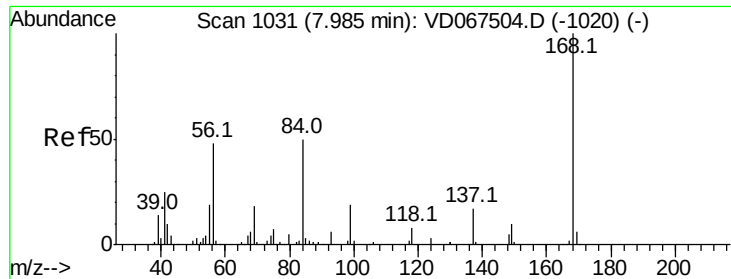
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QLast Update : Wed Nov 04 00:56:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	216867	52.746	ug/l	99
94) Hexachlorobutadiene	15.27	225	135133	49.109	ug/l	99
95) Naphthalene	15.40	128	352299	55.524	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	188212	53.457	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

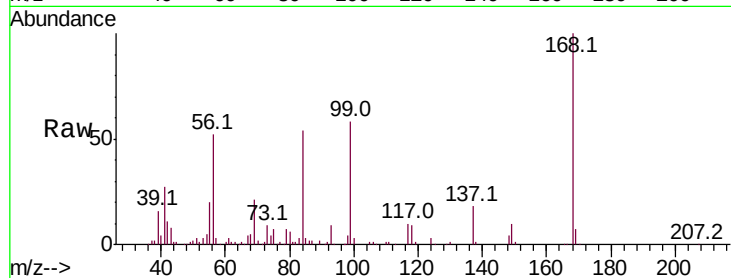
VSTDCCC050

Tot Ion:168 Resp: 356431

Ion Ratio Lower Upper

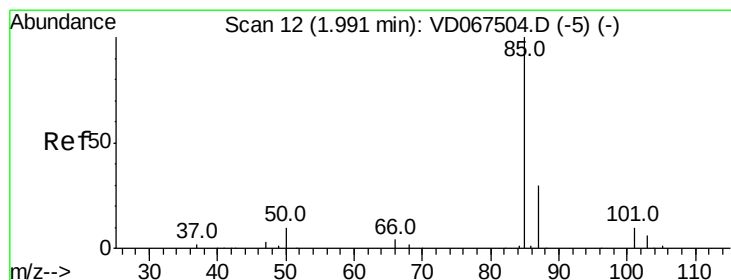
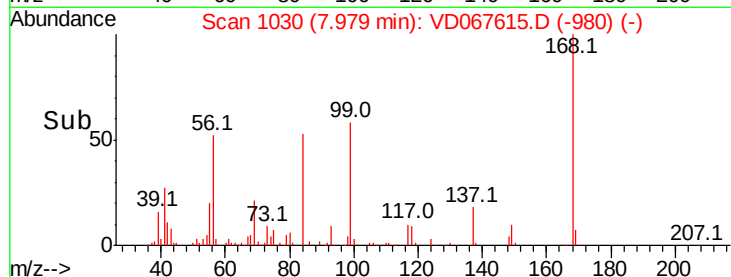
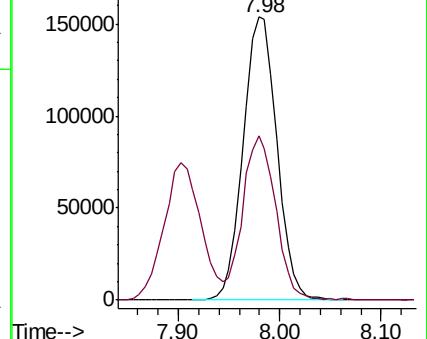
168 100

99 57.8 45.0 67.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



#2

Dichlorodifluoromethane

Concen: 44.882 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.00 min

Lab File: VD067615.D

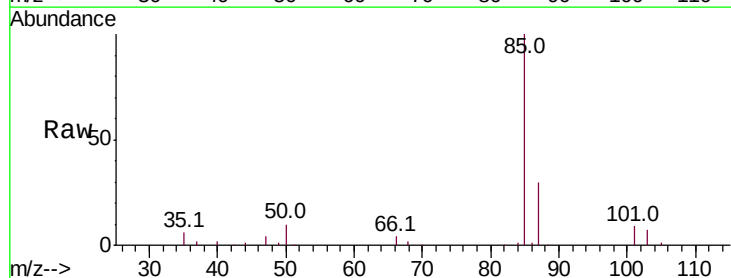
Acq: 12 Nov 2020 09:51

Tgt Ion: 85 Resp: 130838

Ion Ratio Lower Upper

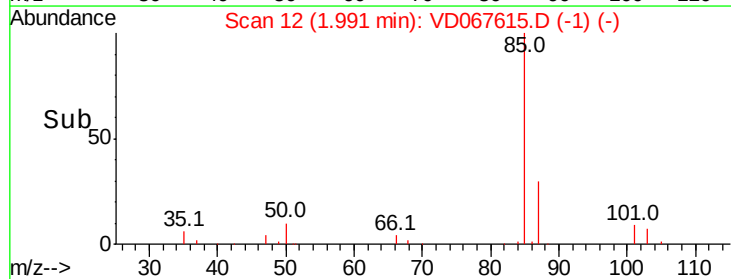
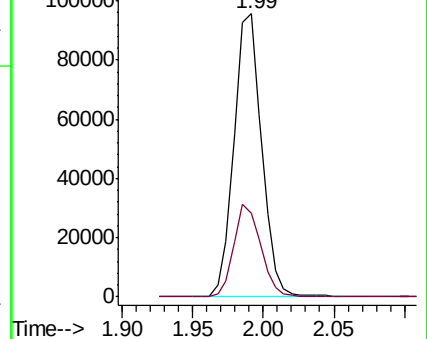
85 100

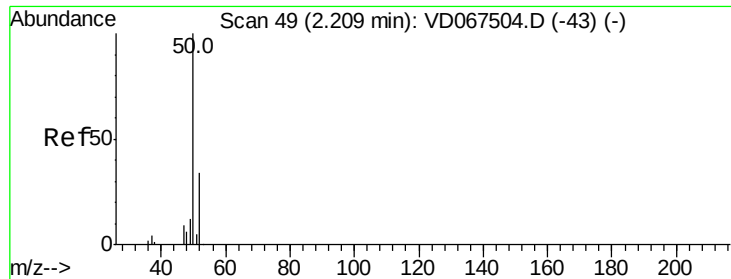
87 29.7 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 40.594 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

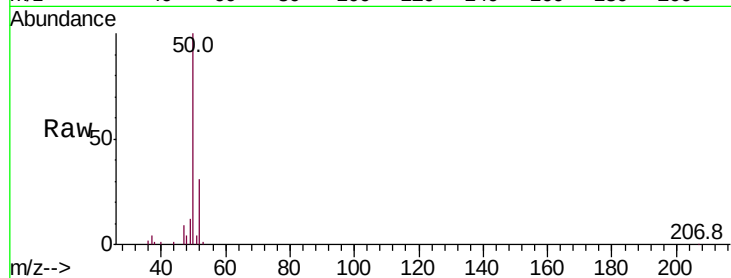
VSTDCCC050

Tot Ion: 50 Resp: 90101

Ion Ratio Lower Upper

50 100

52 31.1 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC

2.21

80000

60000

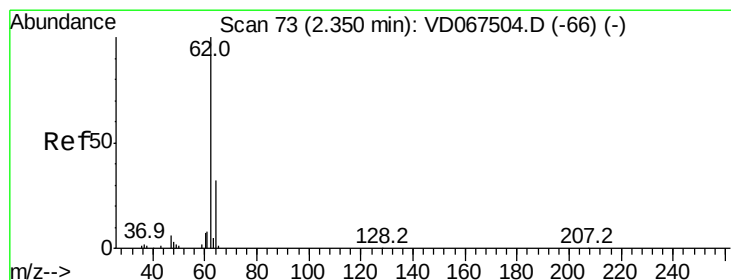
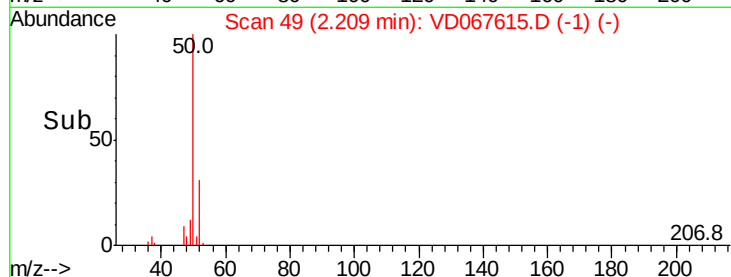
40000

20000

0

Time-->

2.15 2.20 2.25 2.30



#4

Vinyl Chloride

Concen: 41.195 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067615.D

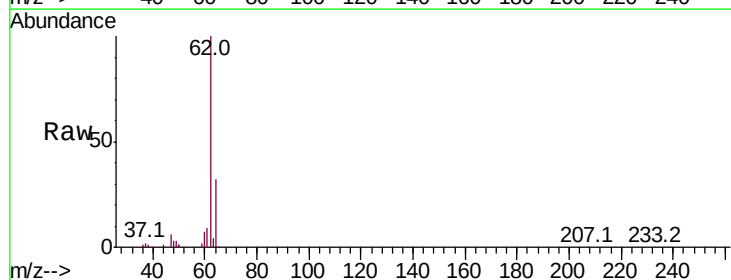
Acq: 12 Nov 2020 09:51

Tgt Ion: 62 Resp: 101941

Ion Ratio Lower Upper

62 100

64 32.2 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC

2.35

80000

60000

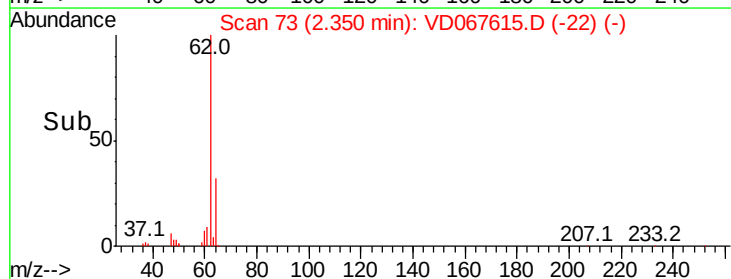
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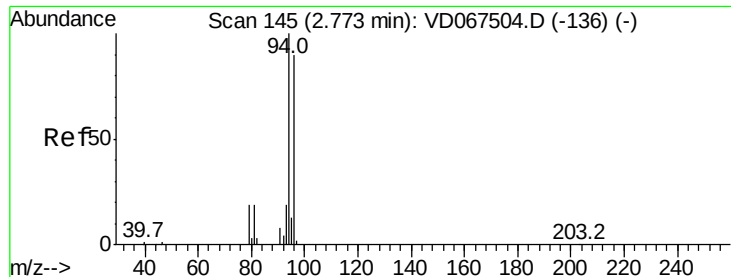
20000

0

Time-->

2.25 2.30 2.35 2.40 2.45





#5

Bromomethane

Concen: 40.600 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

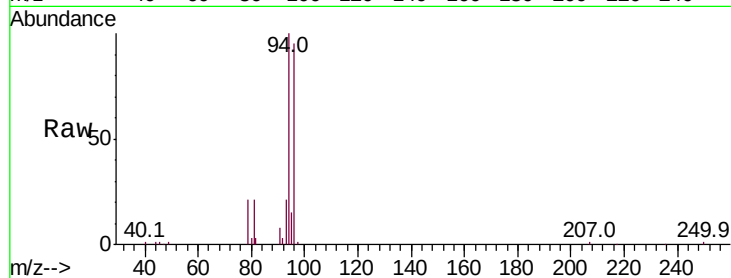
VSTDCCC050

Tot Ion: 94 Resp: 81432

Ion Ratio Lower Upper

94 100

96 94.5 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

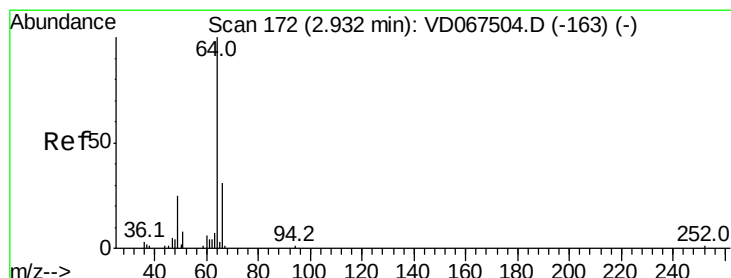
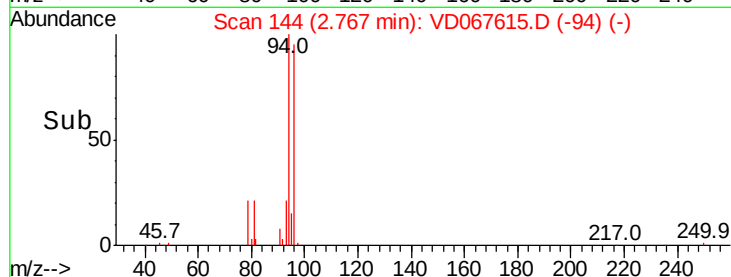
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 44.759 ug/l

RT: 2.92 min Scan# 170

Delta R.T. -0.01 min

Lab File: VD067615.D

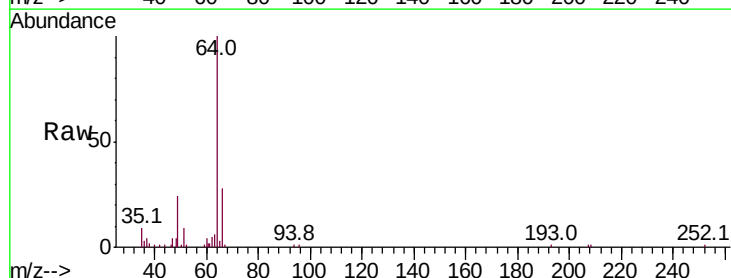
Acq: 12 Nov 2020 09:51

Tgt Ion: 64 Resp: 68287

Ion Ratio Lower Upper

64 100

66 28.2 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.92

40000

30000

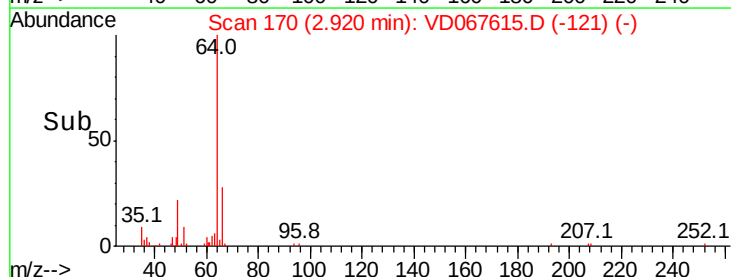
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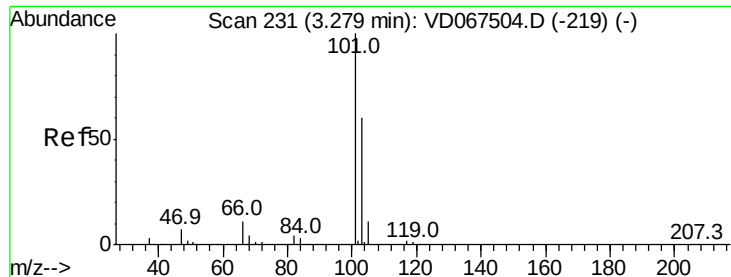
10000

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Time-->

2.80 2.90 3.00



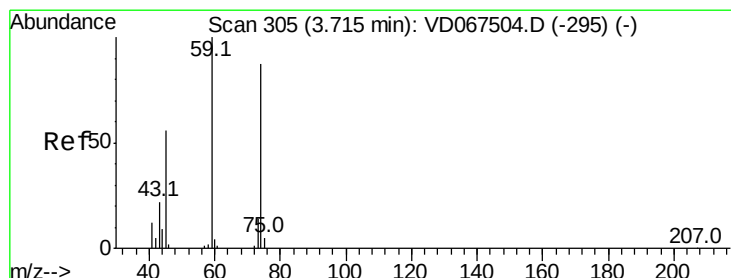
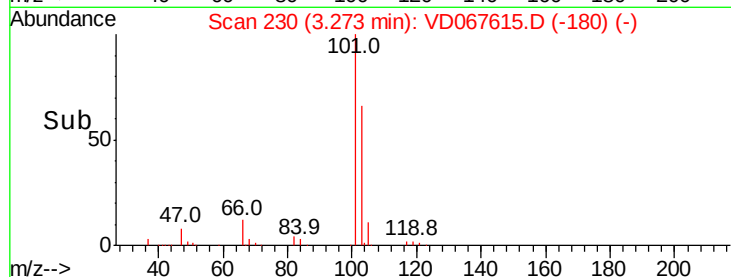
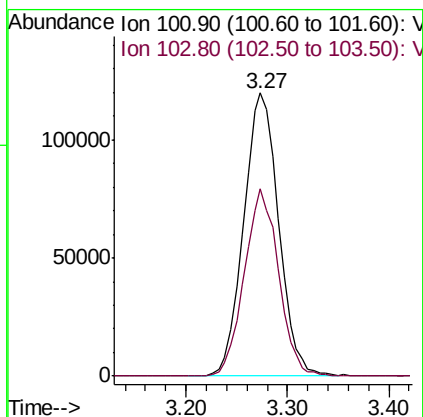
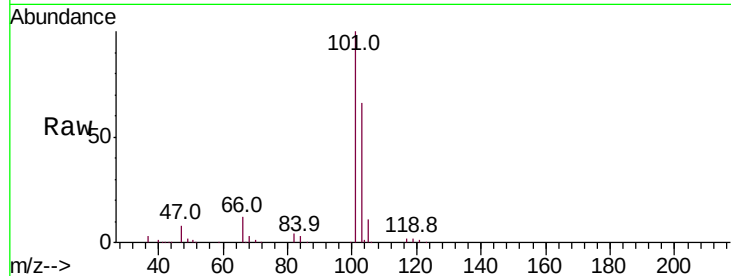


#7

Trichlorofluoromethane
Concen: 44.644 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

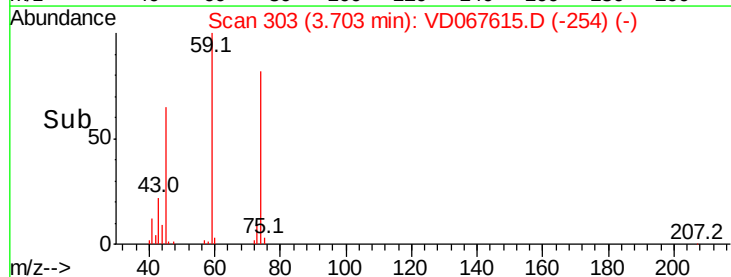
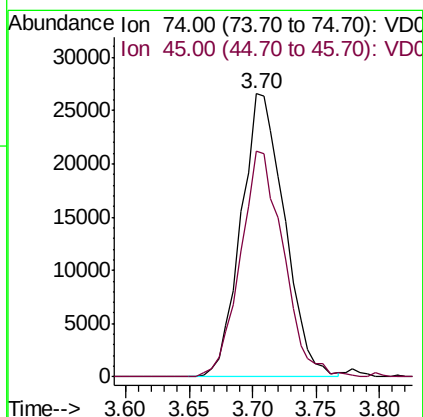
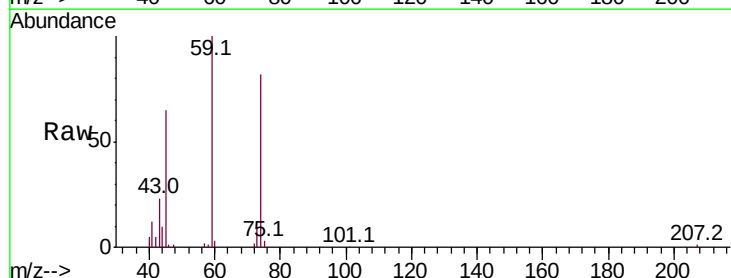
Tot Ion:101 Resp: 286049
Ion Ratio Lower Upper
101 100
103 66.1 48.1 72.1

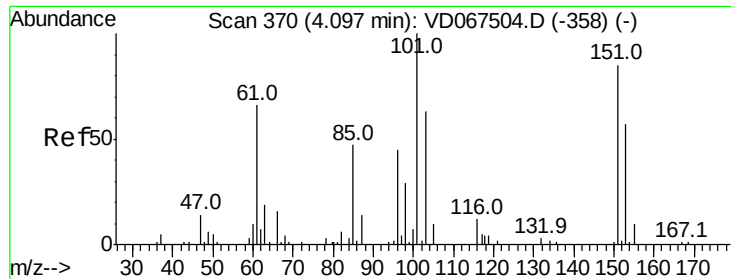


#8

Diethyl Ether
Concen: 49.047 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 74 Resp: 63324
Ion Ratio Lower Upper
74 100
45 78.7 38.2 114.6

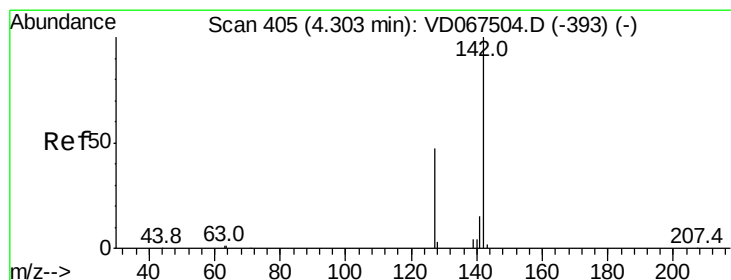
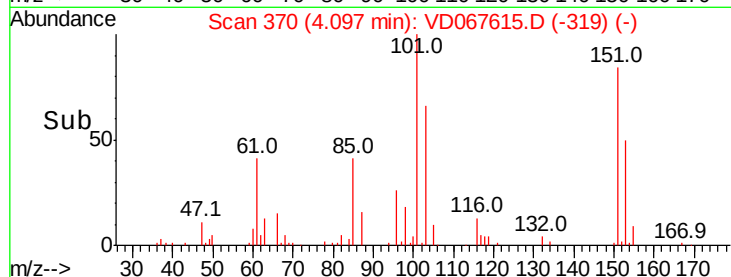
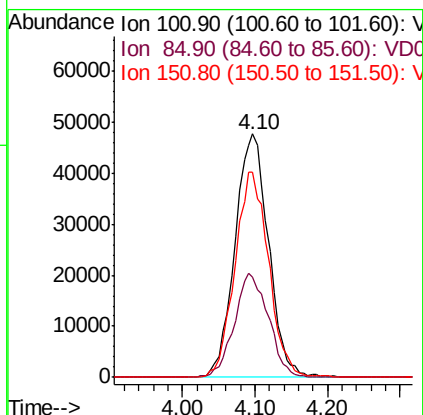
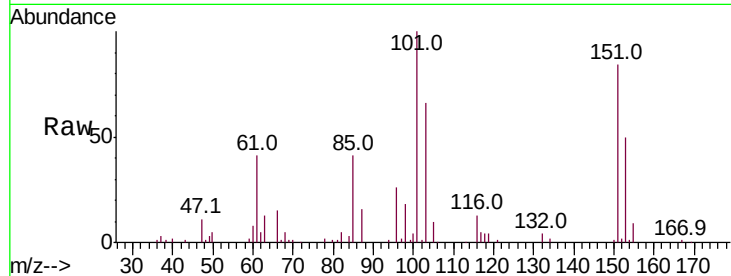




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 47.369 ug/l
 RT: 4.10 min Scan# 370
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

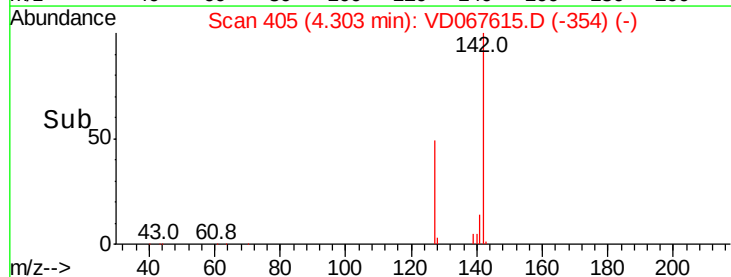
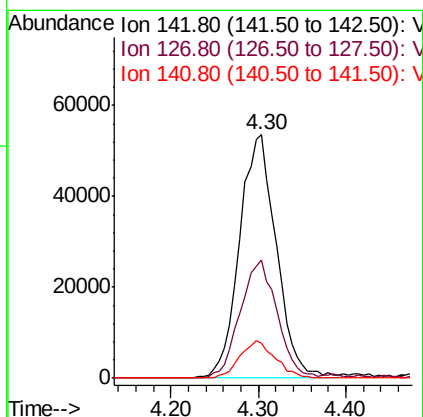
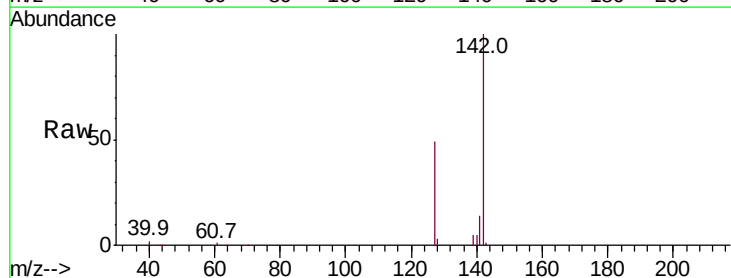
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

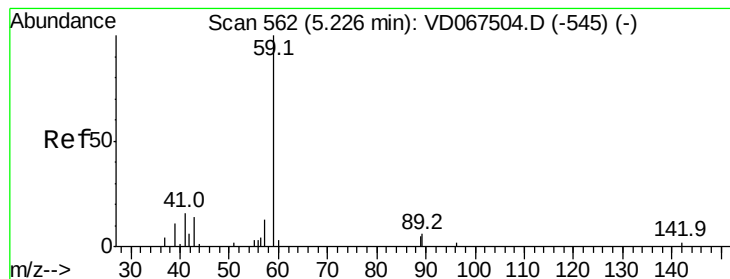
Tot Ion:101 Resp: 153203
 Ion Ratio Lower Upper
 101 100
 85 43.2 34.4 51.6
 151 84.7 68.1 102.1



#10
 Methyl Iodide
 Concen: 44.420 ug/l
 RT: 4.30 min Scan# 405
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion:142 Resp: 153981
 Ion Ratio Lower Upper
 142 100
 127 48.7 40.0 60.0
 141 14.7 11.7 17.5





#11

Tert butyl alcohol

Concen: 318.846 ug/l

RT: 5.21 min Scan# 560

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

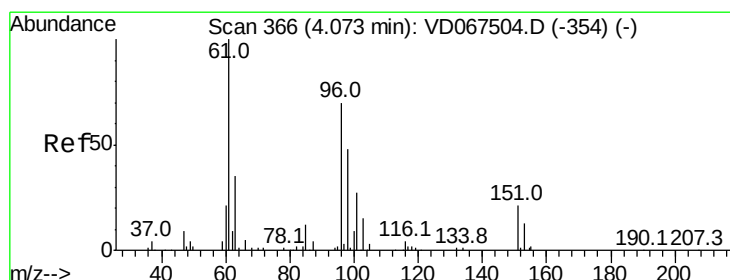
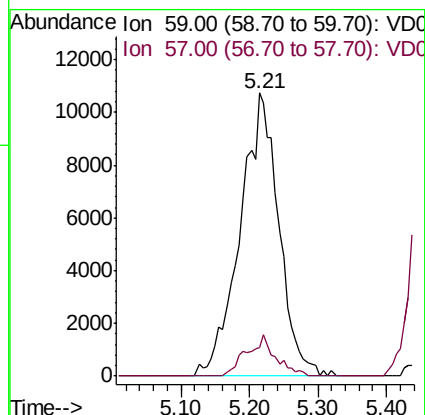
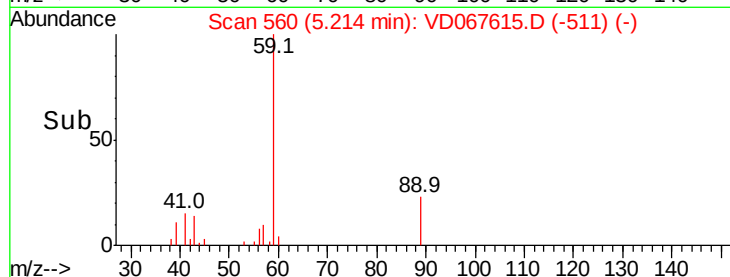
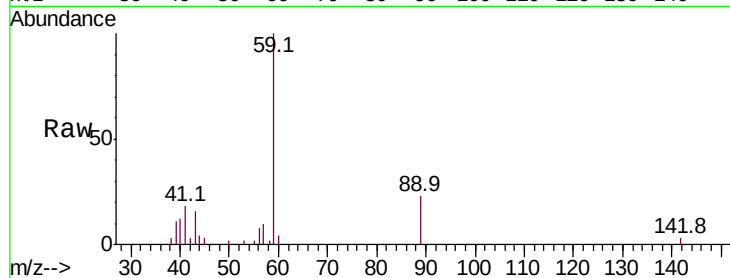
VSTDCCC050

Tot Ion: 59 Resp: 42076

Ion Ratio Lower Upper

59 100

57 10.9 5.9 8.9#



#12

1,1-Dichloroethene

Concen: 47.673 ug/l

RT: 4.07 min Scan# 366

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

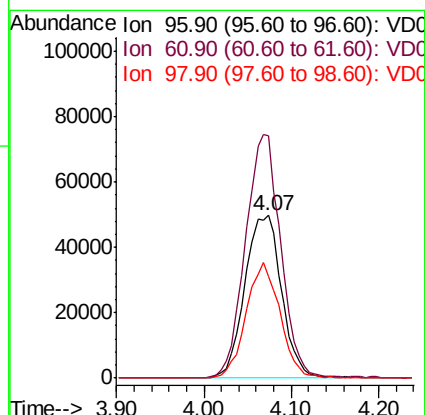
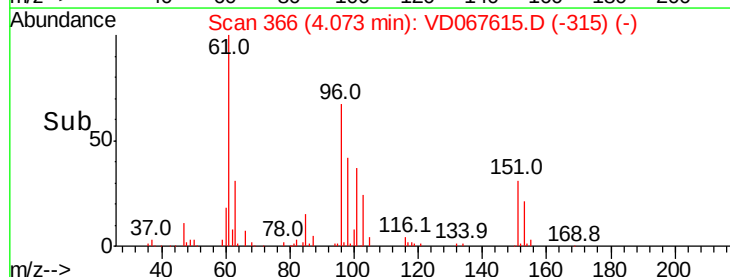
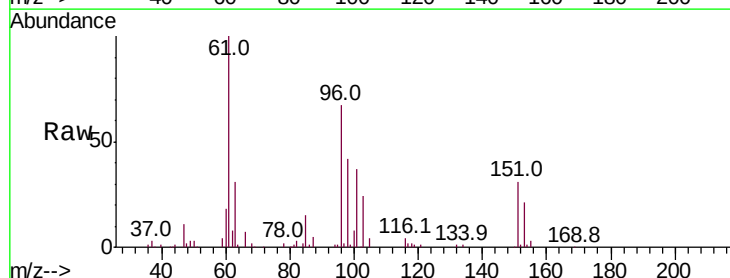
Tgt Ion: 96 Resp: 141825

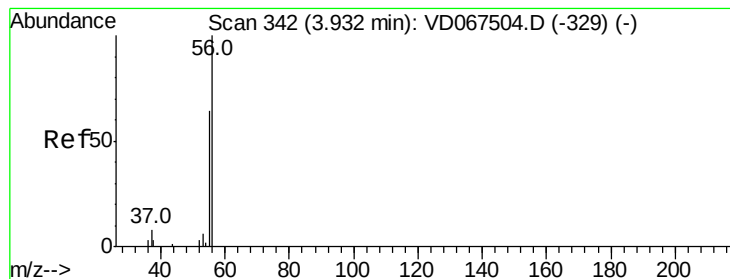
Ion Ratio Lower Upper

96 100

61 149.0 114.5 171.7

98 62.2 54.5 81.7





#13

Acrolein

Concen: 265.780 ug/l

RT: 3.91 min Scan# 339

Delta R.T. -0.02 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

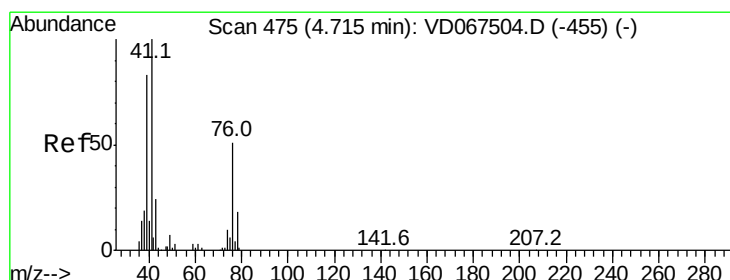
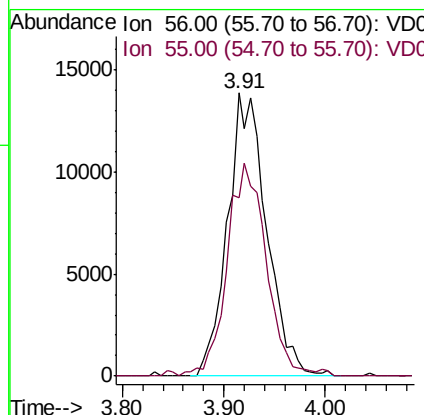
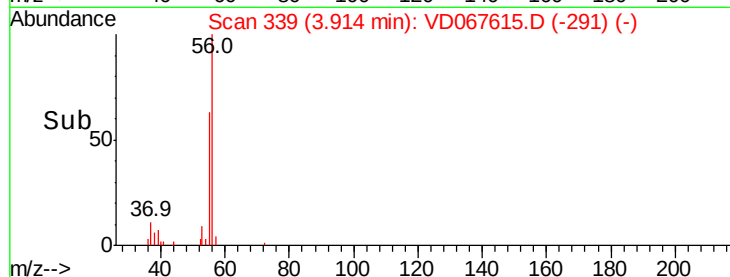
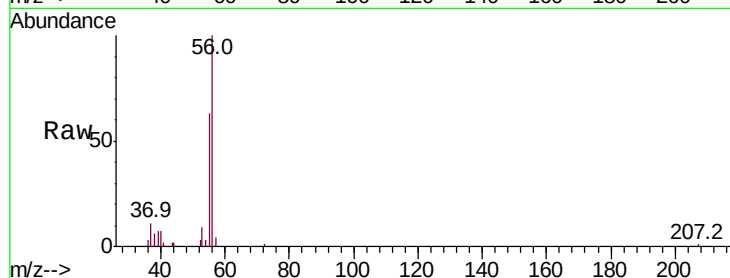
VSTDCCC050

Tot Ion: 56 Resp: 37045

Ion Ratio Lower Upper

56 100

55 75.4 55.8 83.8



#14

Allyl chloride

Concen: 48.692 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

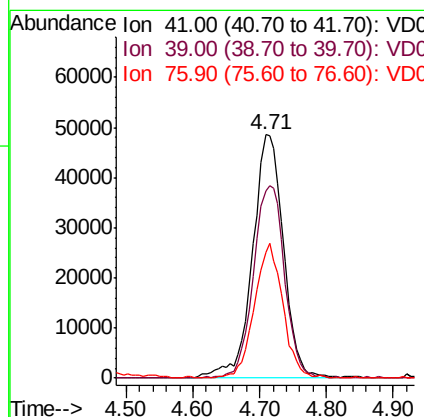
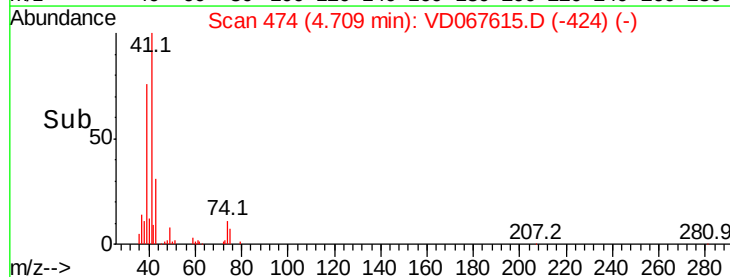
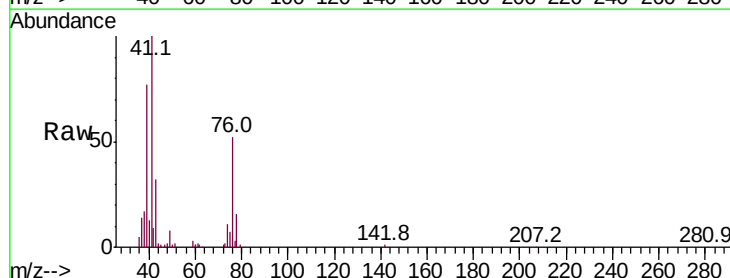
Tgt Ion: 41 Resp: 155034

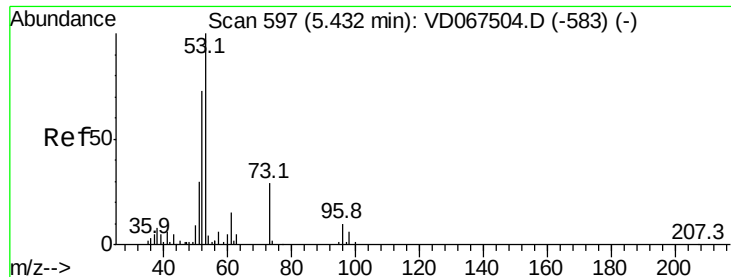
Ion Ratio Lower Upper

41 100

39 79.6 67.4 101.0

76 50.8 42.2 63.2





#15

Acrylonitrile

Concen: 256.299 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

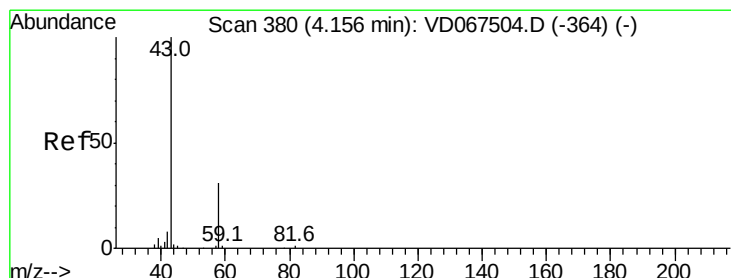
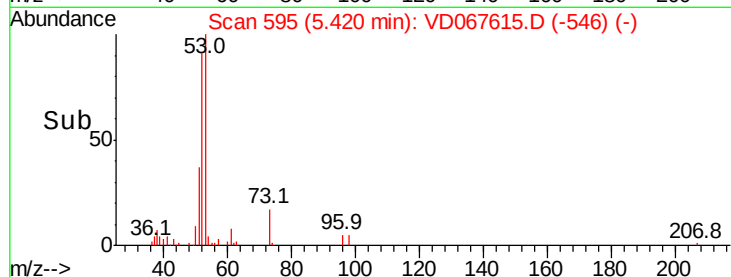
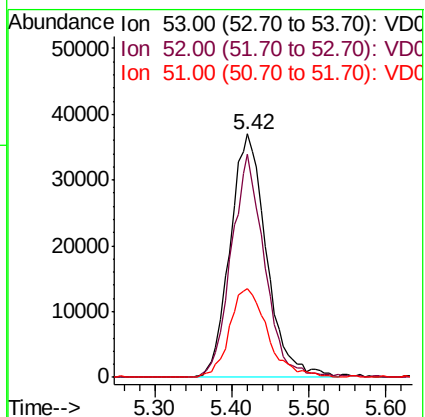
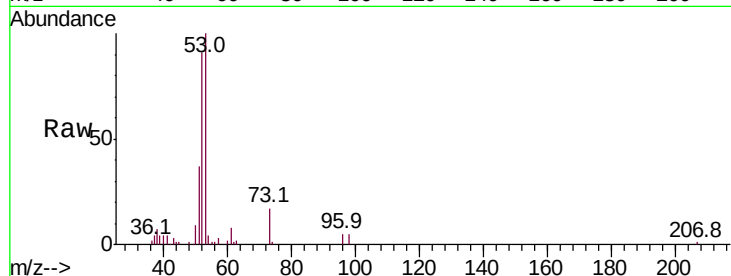
Tot Ion: 53 Resp: 122320

Ion Ratio Lower Upper

53 100

52 83.9 64.8 97.2

51 38.3 29.5 44.3



#16

Acetone

Concen: 294.997 ug/l

RT: 4.15 min Scan# 379

Delta R.T. -0.01 min

Lab File: VD067615.D

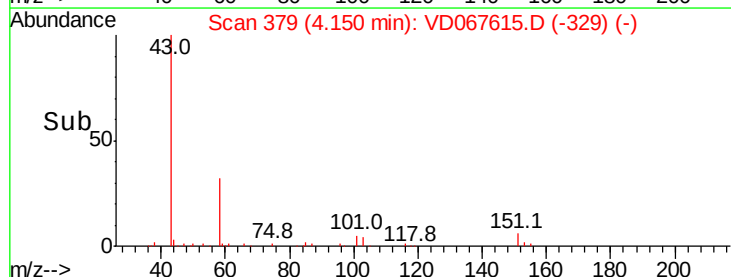
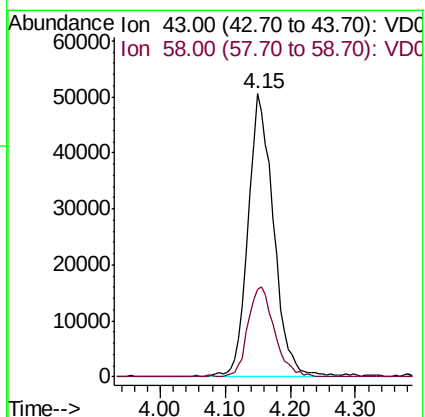
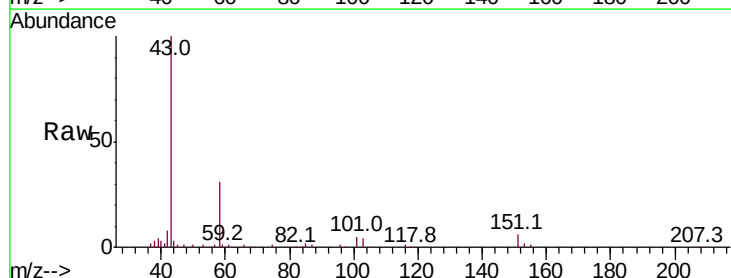
Acq: 12 Nov 2020 09:51

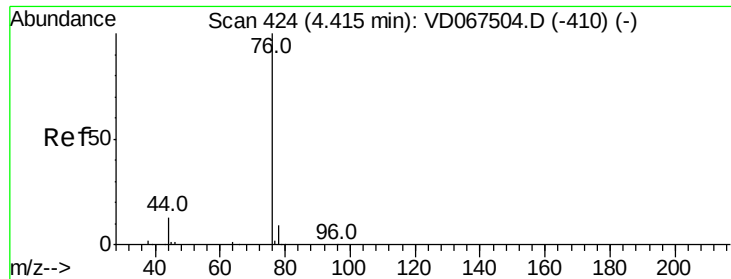
Tgt Ion: 43 Resp: 137581

Ion Ratio Lower Upper

43 100

58 31.0 25.2 37.8

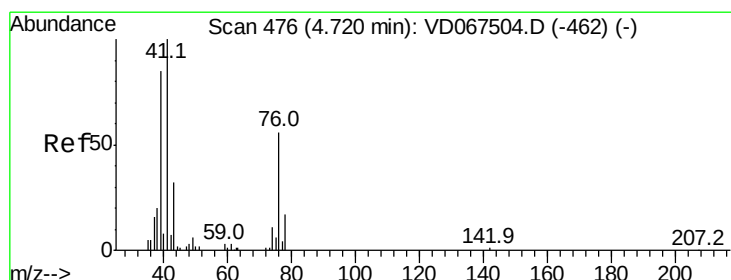
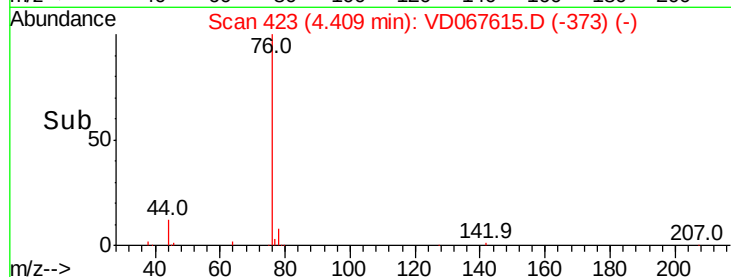
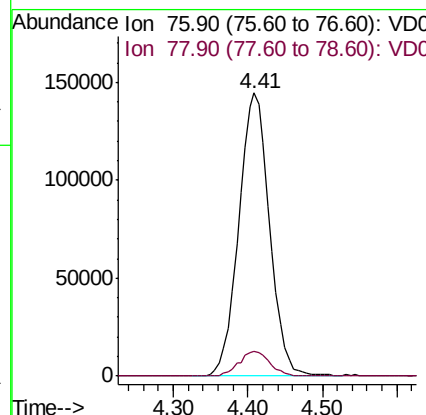
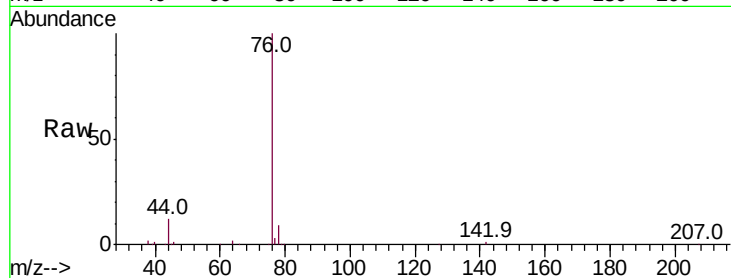




#17
Carbon Disulfide
Concen: 45.246 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

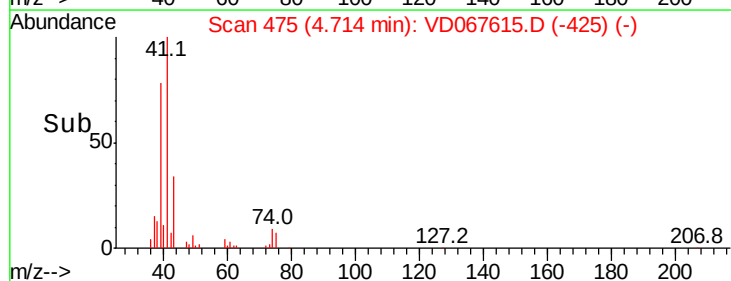
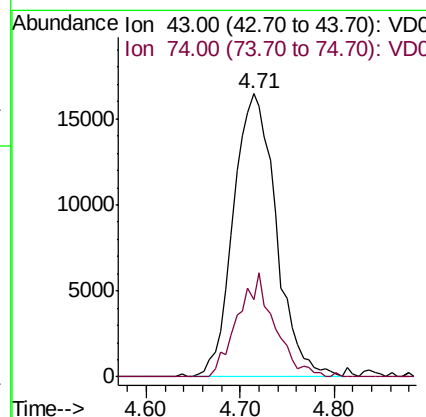
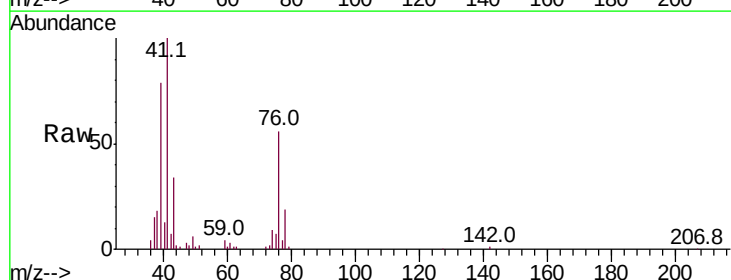
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

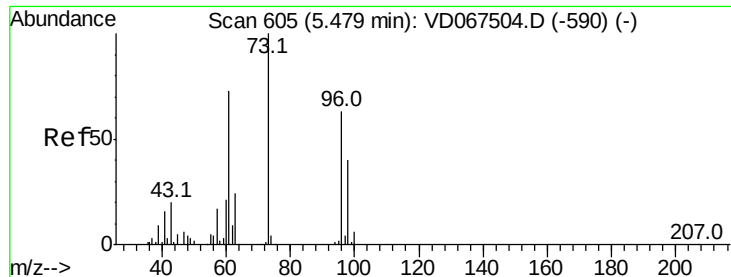
Tot Ion: 76 Resp: 412466
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8



#18
Methyl Acetate
Concen: 53.831 ug/l
RT: 4.71 min Scan# 475
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 43 Resp: 51880
Ion Ratio Lower Upper
43 100
74 31.6 27.2 40.8



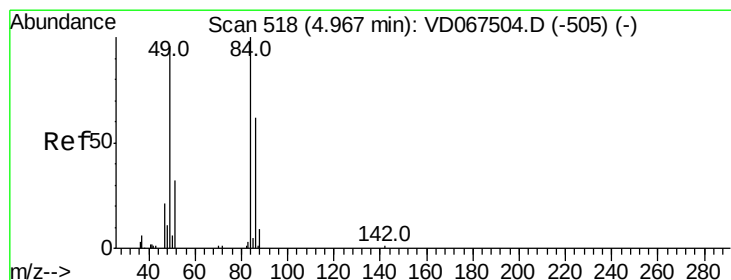
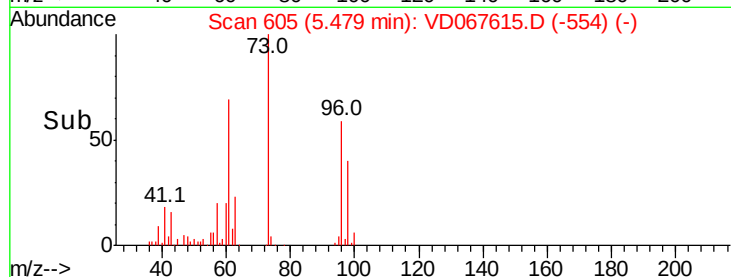
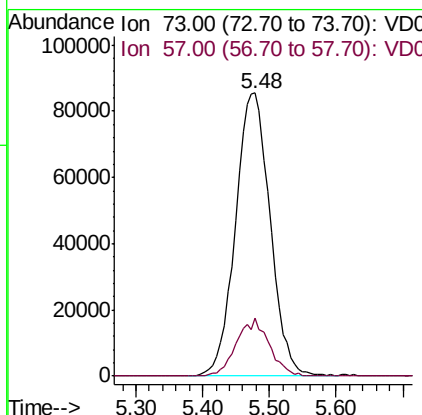
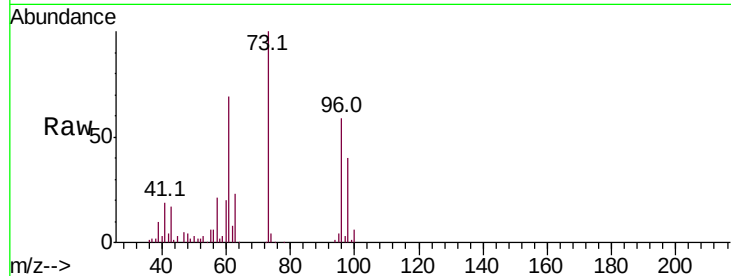


#19

Methyl tert-butyl Ether
 Concen: 52.208 ug/l
 RT: 5.48 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

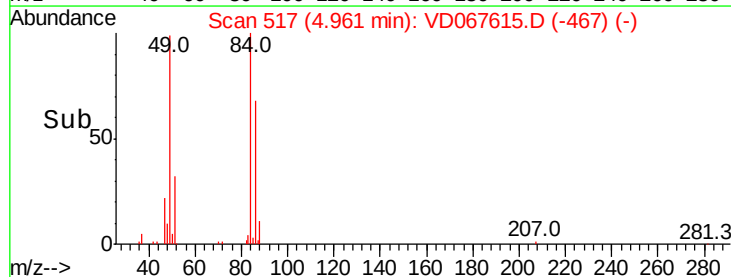
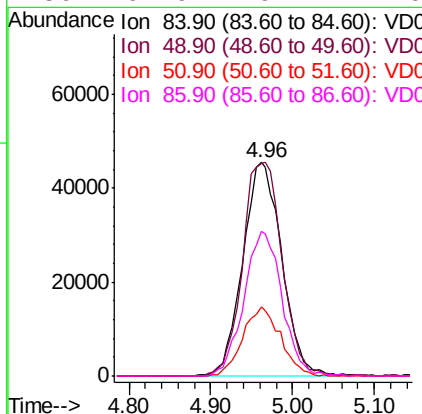
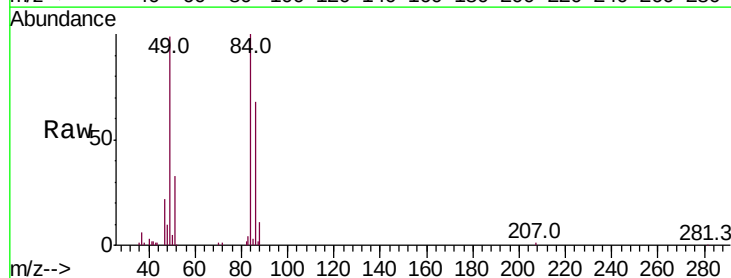
Tot Ion: 73 Resp: 306365
 Ion Ratio Lower Upper
 73 100
 57 20.7 13.4 20.0#

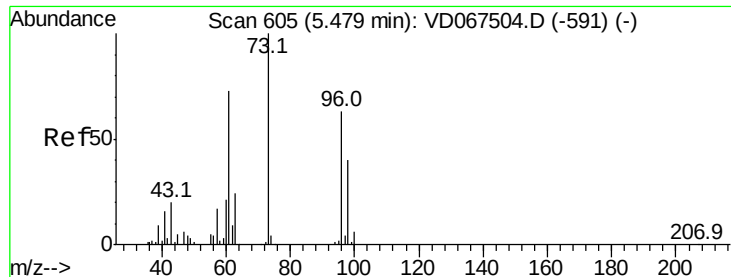


#20

Methylene Chloride
 Concen: 45.700 ug/l
 RT: 4.96 min Scan# 517
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 84 Resp: 150558
 Ion Ratio Lower Upper
 84 100
 49 99.4 77.0 115.4
 51 32.5 25.4 38.2
 86 67.9 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.495 ug/l

RT: 5.47 min Scan# 603

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

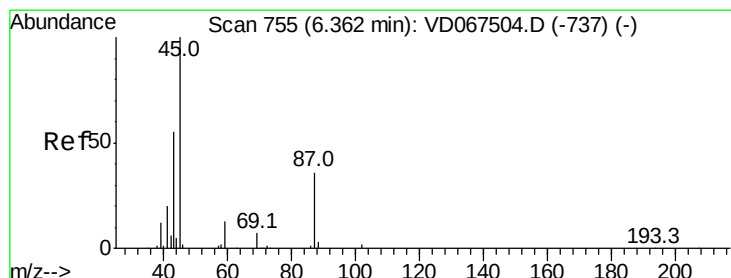
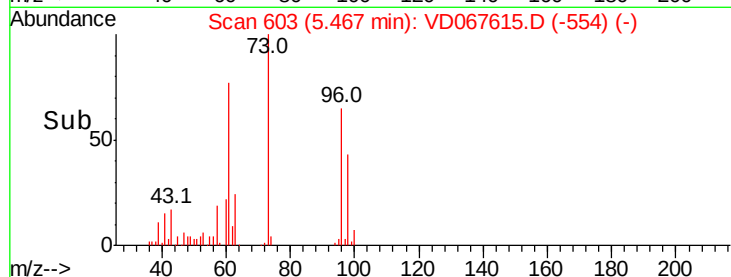
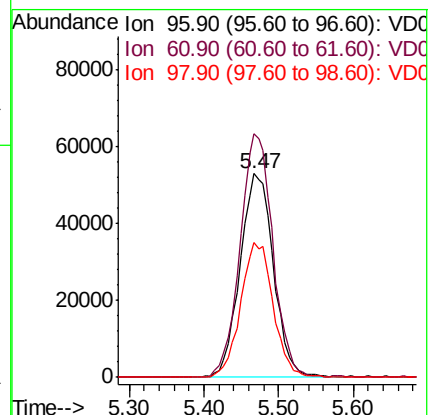
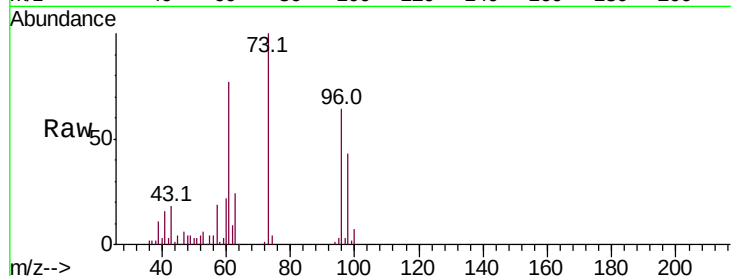
Tot Ion: 96 Resp: 164572

Ion Ratio Lower Upper

96 100

61 119.6 93.0 139.6

98 66.0 50.9 76.3



#22

Diisopropyl ether

Concen: 51.439 ug/l

RT: 6.36 min Scan# 755

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Tgt Ion: 45 Resp: 319163

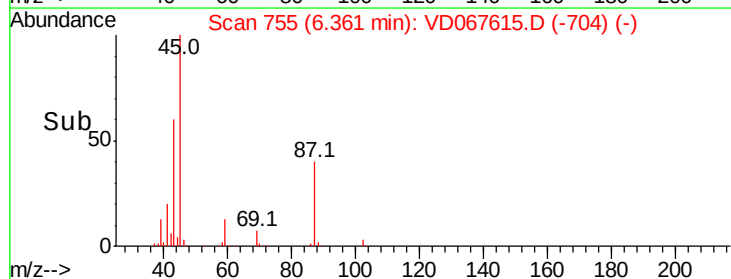
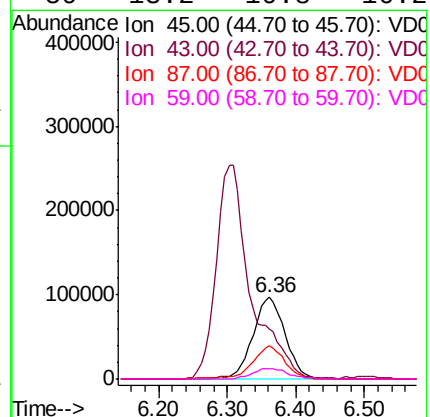
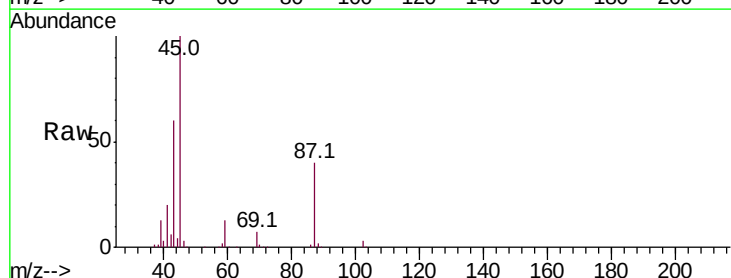
Ion Ratio Lower Upper

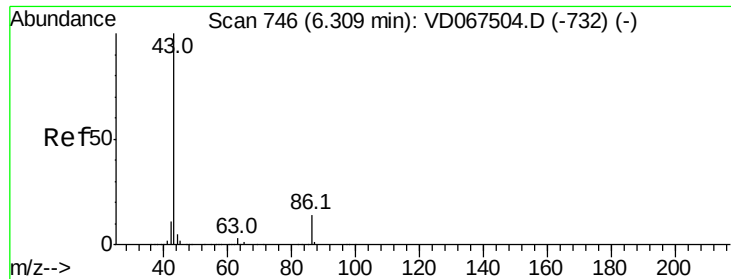
45 100

43 59.6 46.2 69.4

87 39.9 29.4 44.2

59 13.2 10.8 16.2





#23

Vinyl Acetate

Concen: 273.795 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

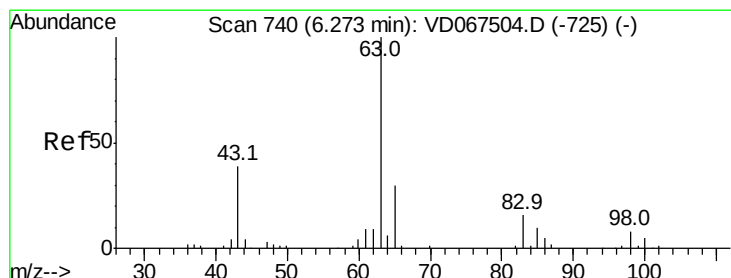
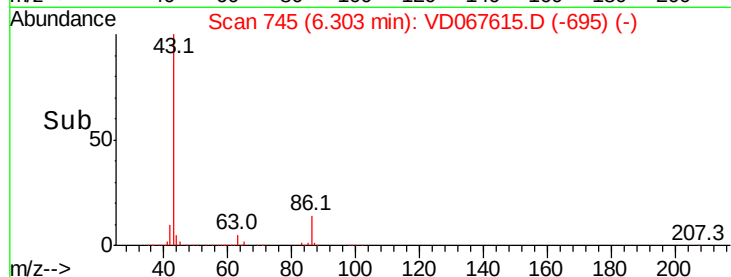
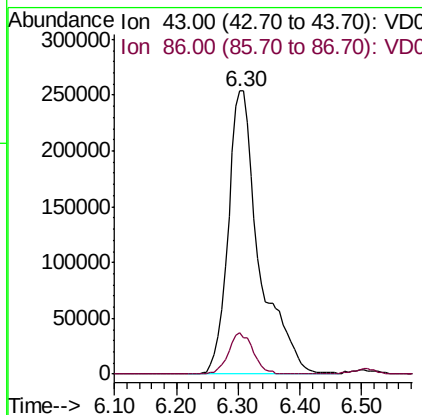
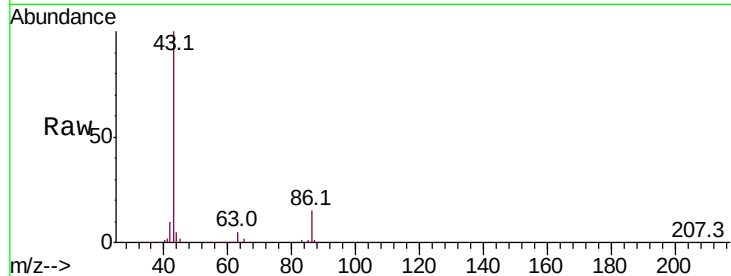
VSTDCCC050

Tot Ion: 43 Resp: 889235

Ion Ratio Lower Upper

43 100

86 14.5 11.6 17.4



#24

1,1-Dichloroethane

Concen: 48.276 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

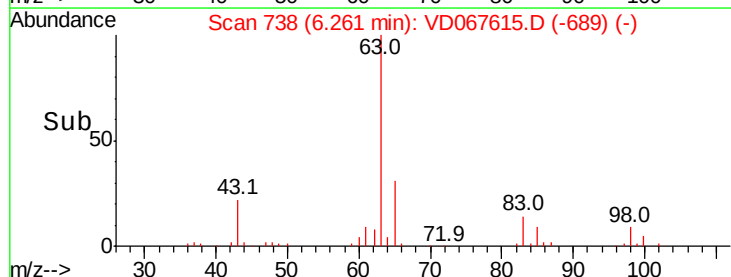
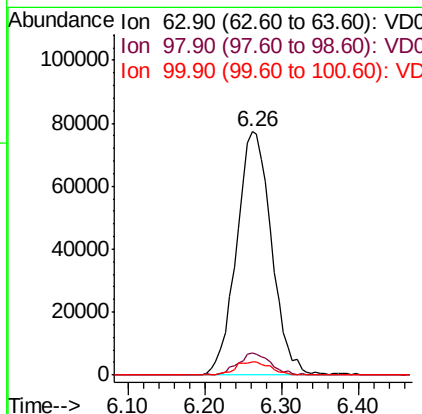
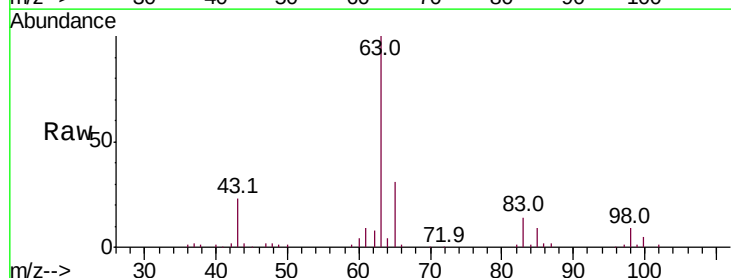
Tgt Ion: 63 Resp: 245044

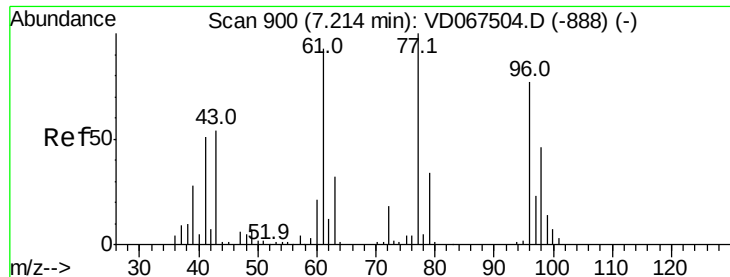
Ion Ratio Lower Upper

63 100

98 8.8 3.9 11.5

100 5.5 2.6 7.8





#25

2-Butanone

Concen: 276.544 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

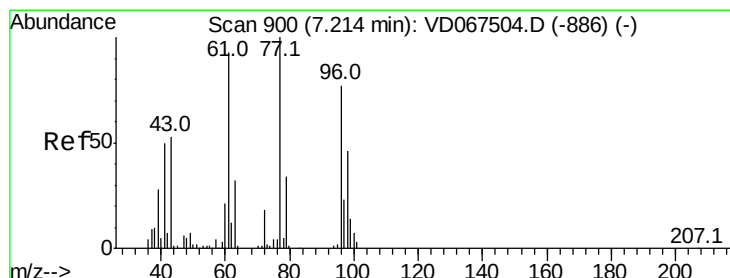
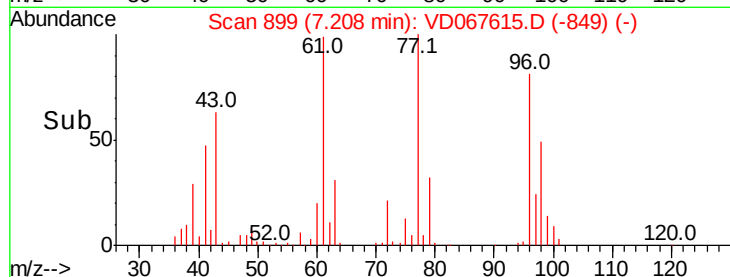
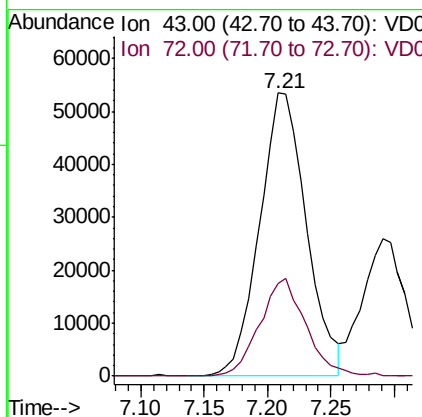
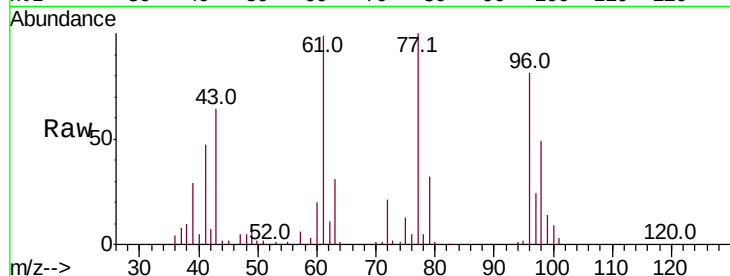
VSTDCCC050

Tot Ion: 43 Resp: 137813

Ion Ratio Lower Upper

43 100

72 32.6 26.4 39.6



#26

2,2-Dichloropropane

Concen: 48.073 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067615.D

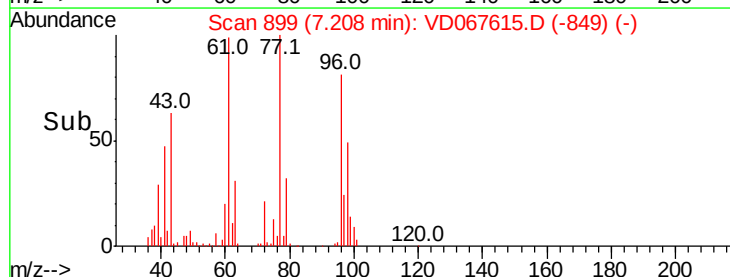
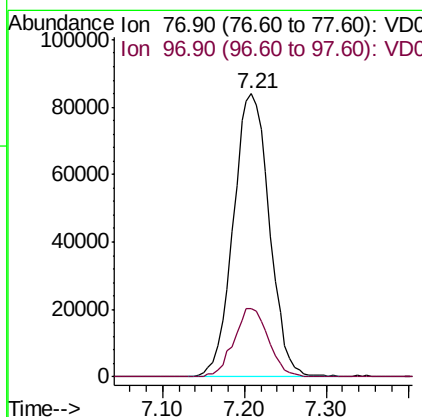
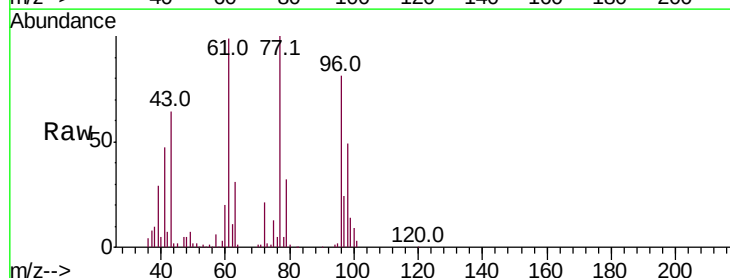
Acq: 12 Nov 2020 09:51

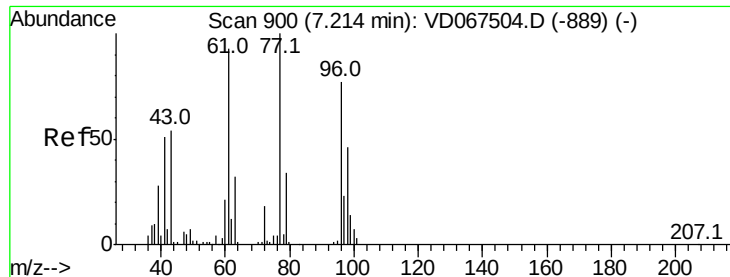
Tgt Ion: 77 Resp: 257532

Ion Ratio Lower Upper

77 100

97 23.3 11.1 33.3





#27

cis-1,2-Dichloroethene

Concen: 48.046 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

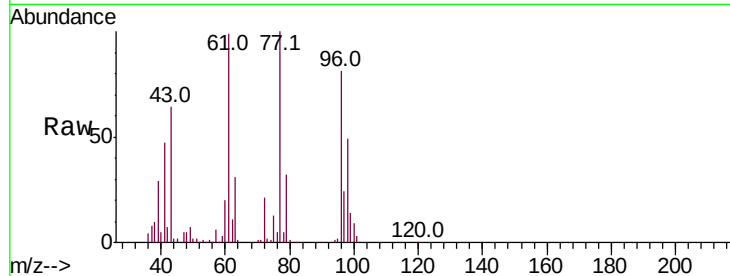
Tot Ion: 96 Resp: 172800

Ion Ratio Lower Upper

96 100

61 129.1 0.0 251.6

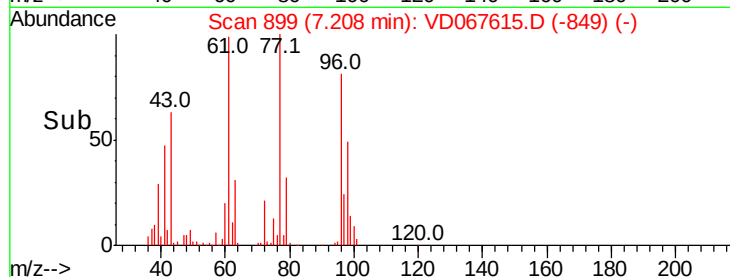
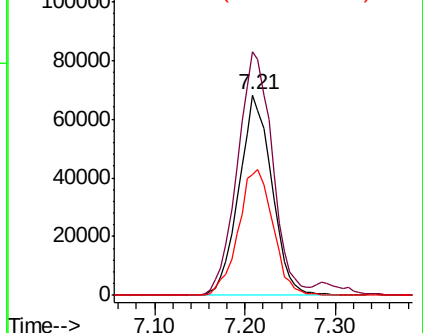
98 65.9 0.0 128.0



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: 53.478 ug/l

RT: 7.55 min Scan# 957

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

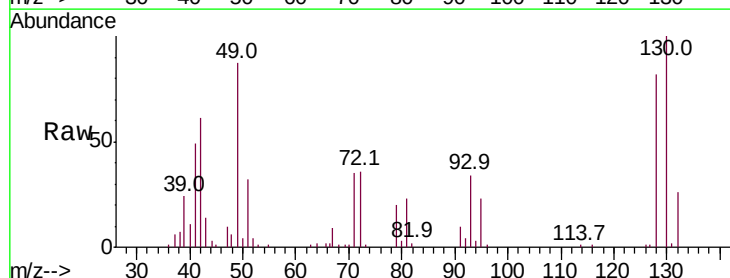
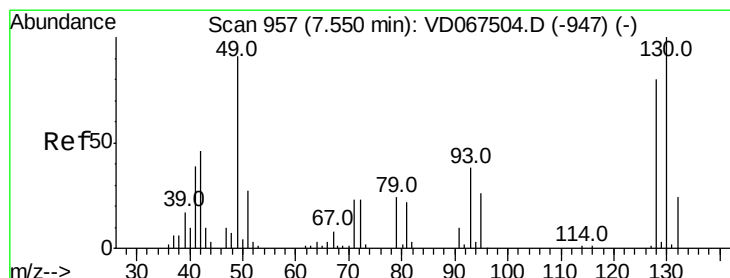
Tgt Ion: 49 Resp: 96556

Ion Ratio Lower Upper

49 100

129 1.5 0.0 6.4

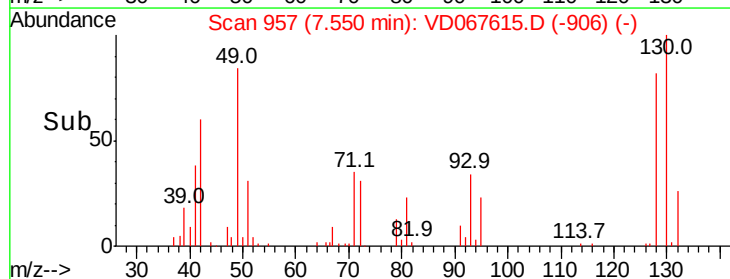
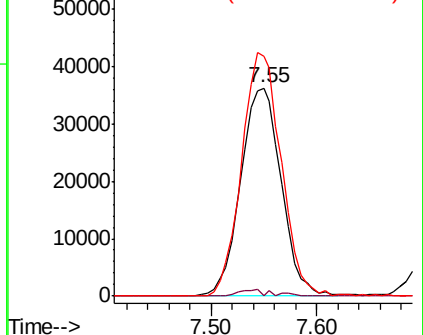
130 113.8 94.6 142.0

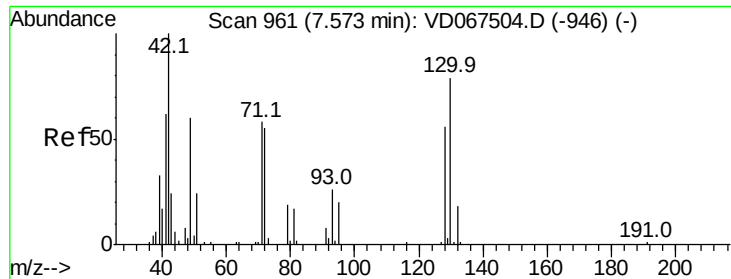


Abundance Ion 48.90 (48.60 to 49.60): VDC

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

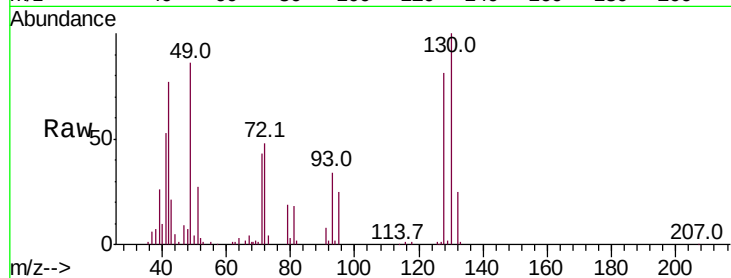




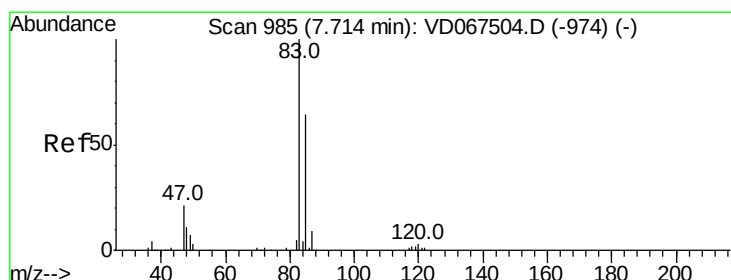
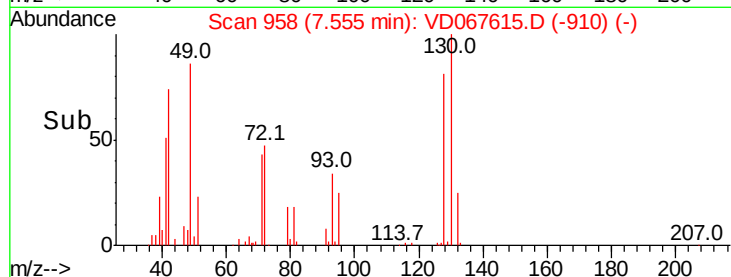
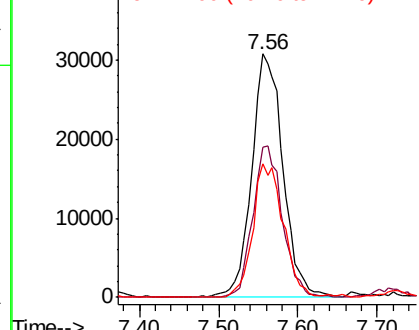
#29
Tetrahydrofuran
Concen: 282.444 ug/l
RT: 7.56 min Scan# 958
Delta R.T. -0.02 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 84312
Ion Ratio Lower Upper
42 100
72 58.9 46.3 69.5
71 53.4 44.0 66.0

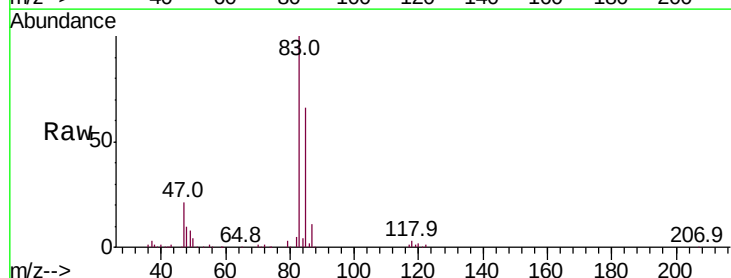


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

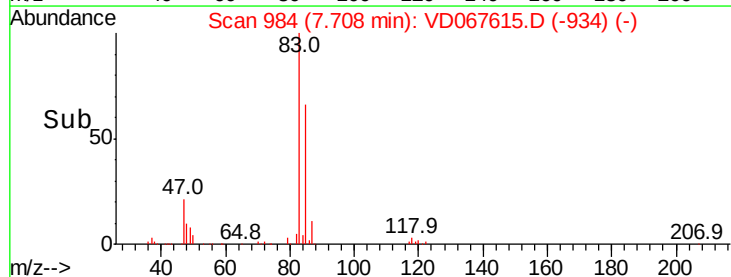
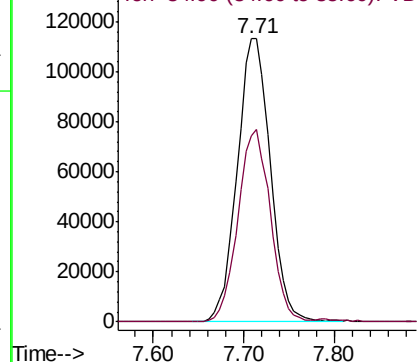


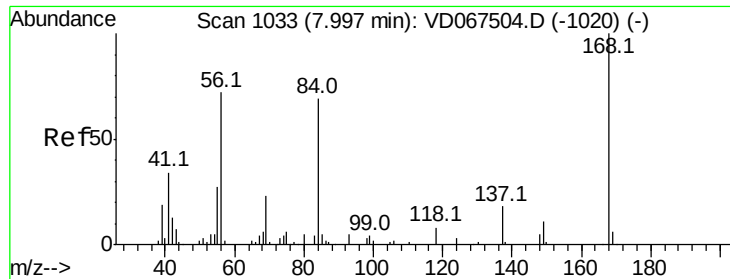
#30
Chloroform
Concen: 47.420 ug/l
RT: 7.71 min Scan# 984
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 83 Resp: 287156
Ion Ratio Lower Upper
83 100
85 65.6 51.5 77.3



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

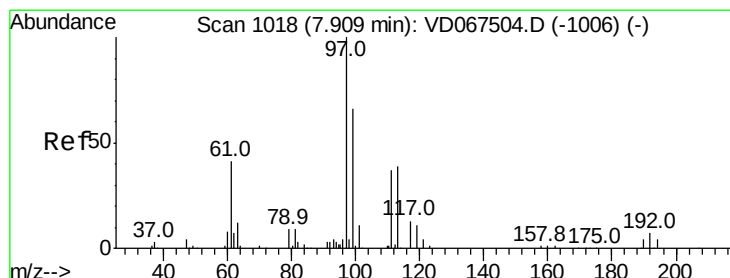
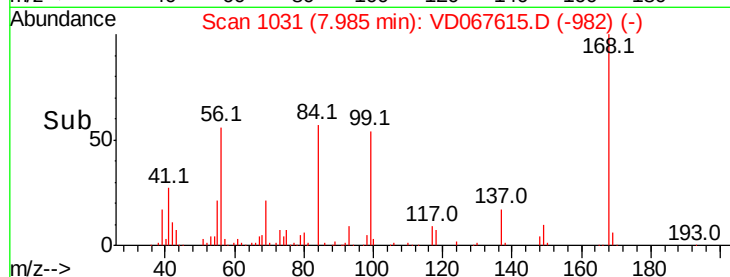
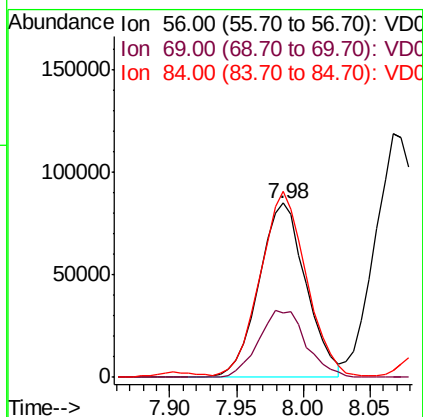
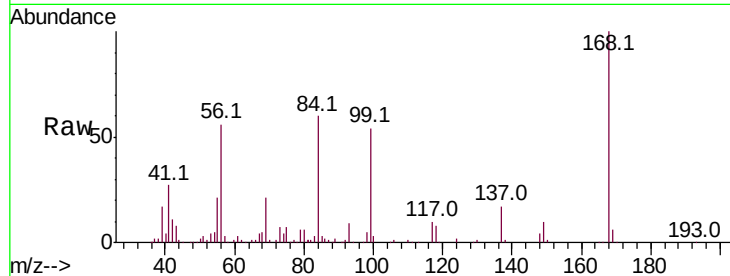




#31
Cyclohexane
Concen: 45.837 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

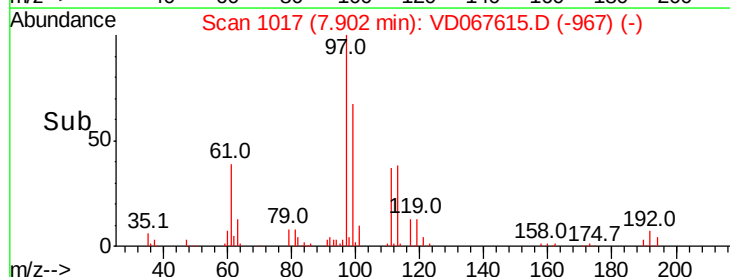
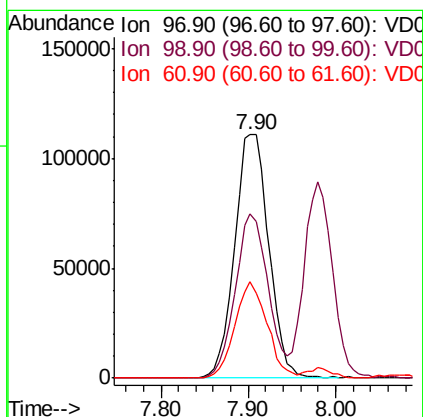
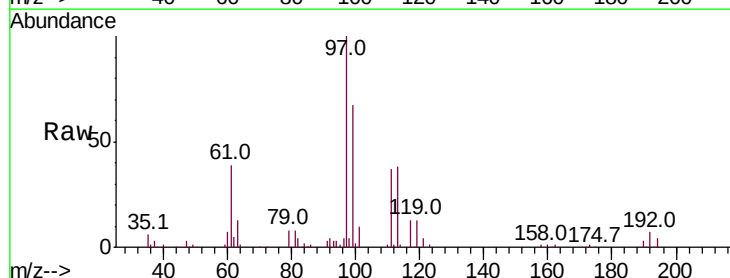
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

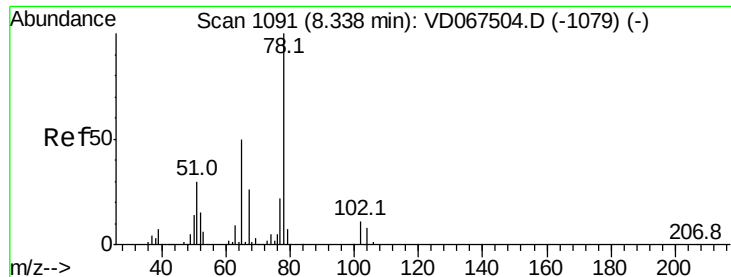
Tot Ion: 56 Resp: 207194
Ion Ratio Lower Upper
56 100
69 37.2 25.9 38.9
84 104.4 76.2 114.4



#32
1,1,1-Trichloroethane
Concen: 46.874 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 97 Resp: 292872
Ion Ratio Lower Upper
97 100
99 65.0 51.8 77.6
61 37.3 30.5 45.7

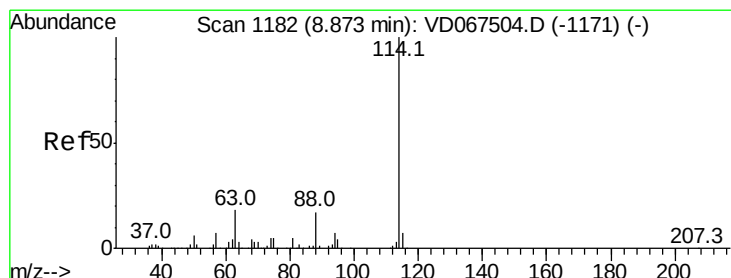
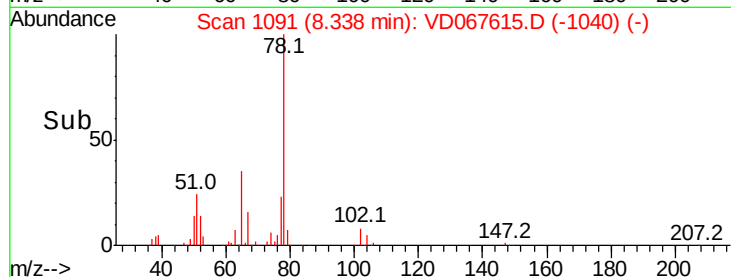
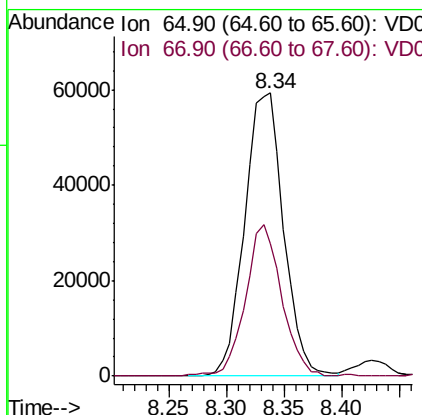
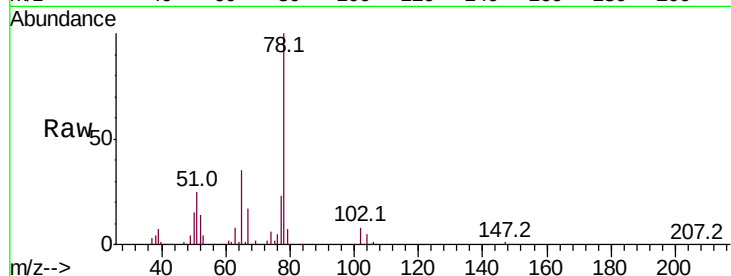




#33
 1,2-Dichloroethane-d4
 Concen: 44.758 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

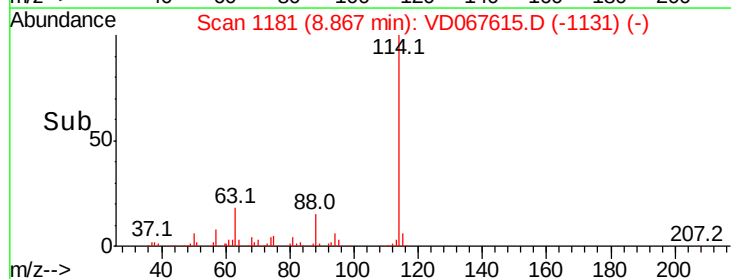
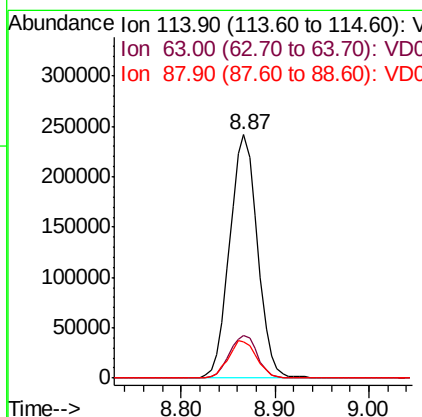
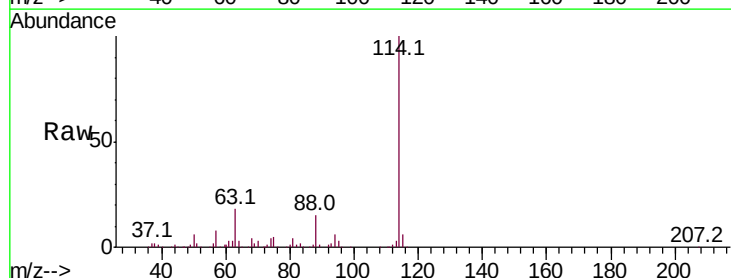
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

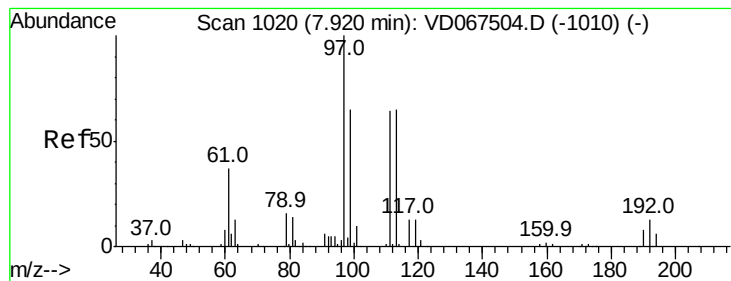
Tot Ion: 65 Resp: 139494
 Ion Ratio Lower Upper
 65 100
 67 49.6 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 114 Resp: 497932
 Ion Ratio Lower Upper
 114 100
 63 17.6 0.0 35.0
 88 15.1 0.0 33.0





#35

Dibromofluoromethane

Concen: 50.329 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

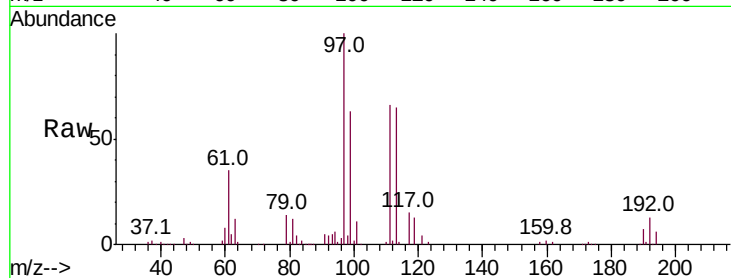
Tot Ion:113 Resp: 150989

Ion Ratio Lower Upper

113 100

111 101.1 80.0 120.0

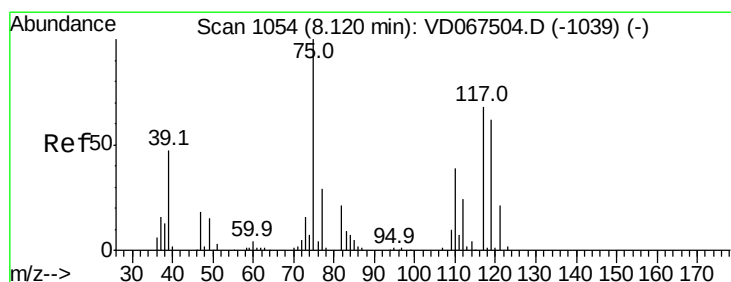
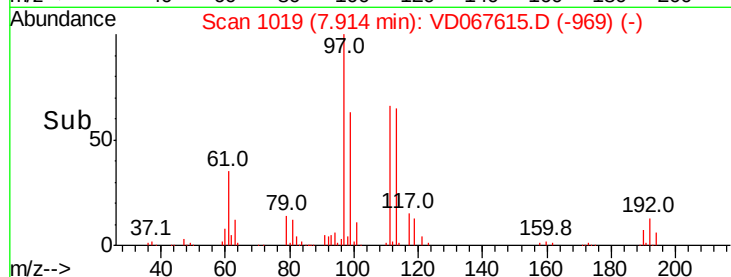
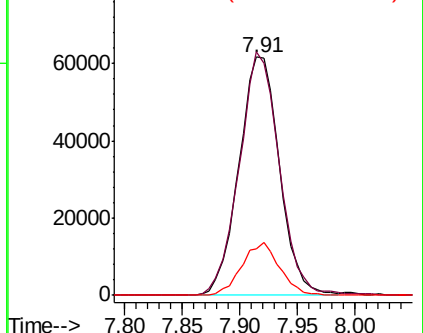
192 20.6 16.3 24.5



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: 50.316 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

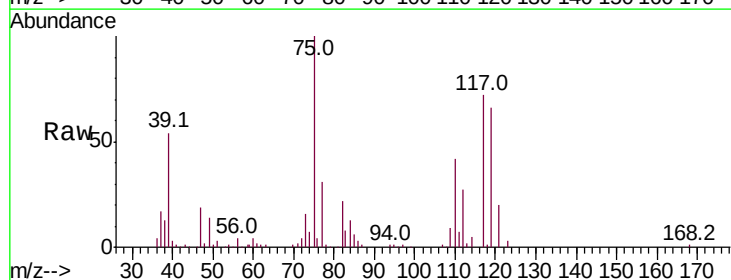
Tgt Ion: 75 Resp: 214458

Ion Ratio Lower Upper

75 100

110 39.9 19.9 59.7

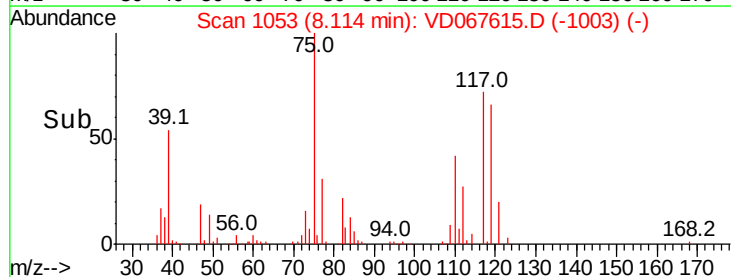
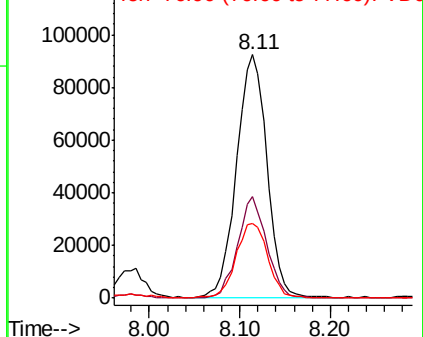
77 32.3 24.8 37.2

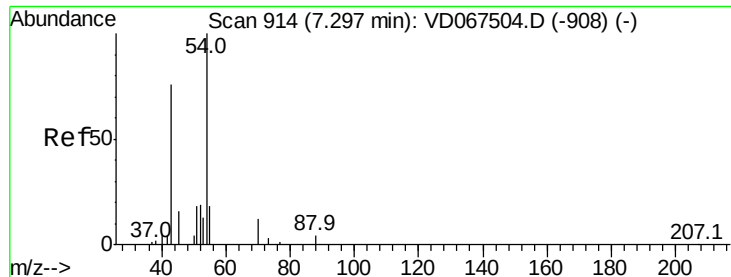


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

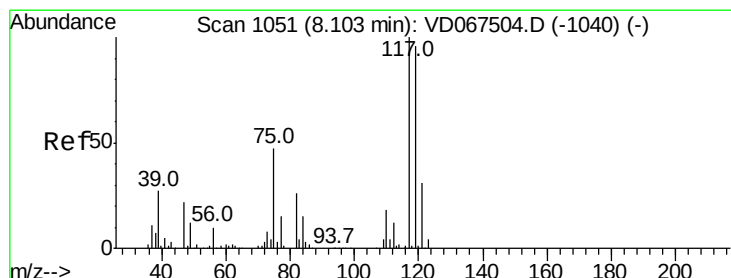
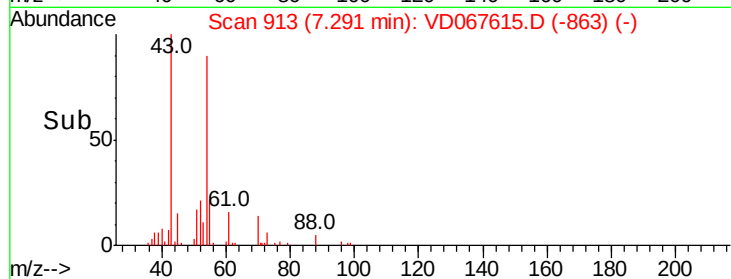
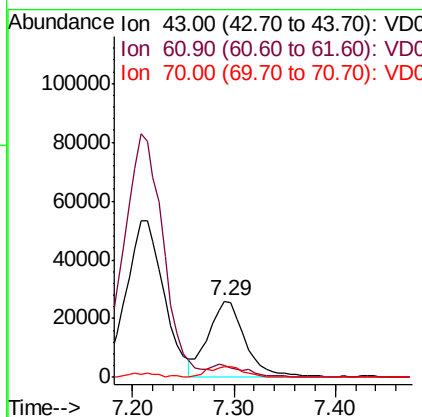
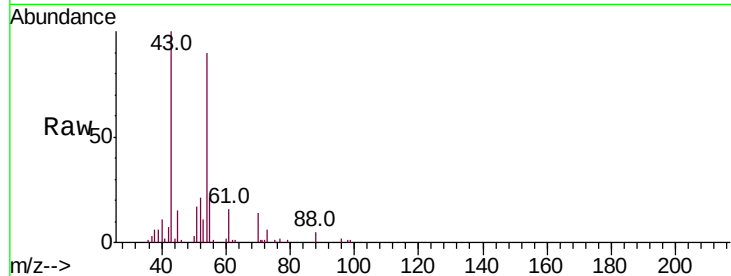




#37
Ethyl Acetate
Concen: 58.806 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

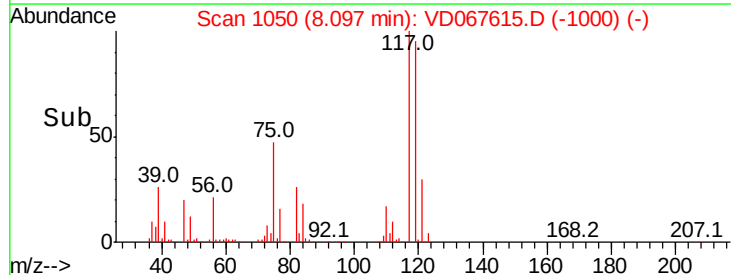
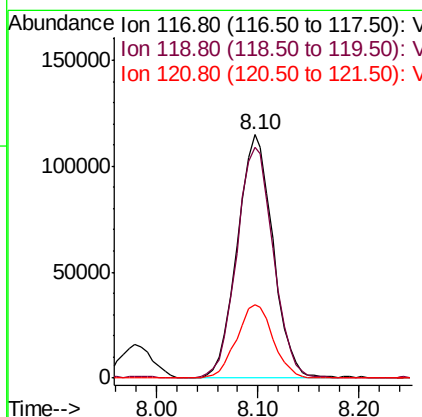
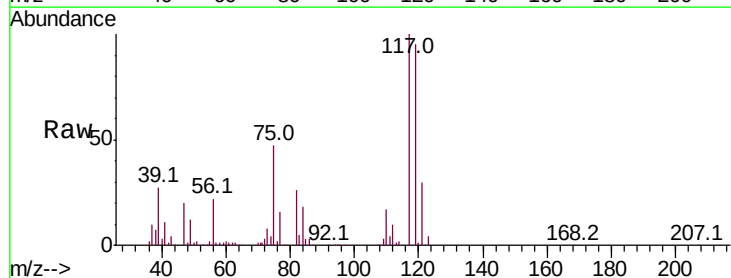
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

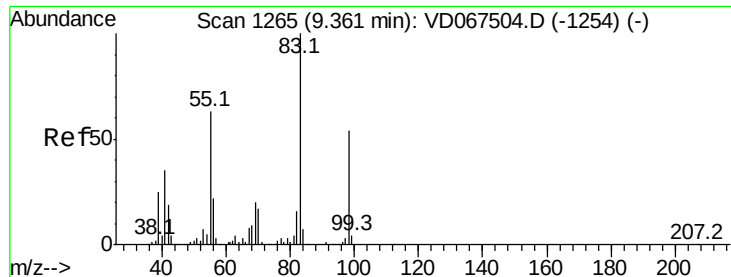
Tot Ion: 43 Resp: 65072
Ion Ratio Lower Upper
43 100
61 11.8 12.8 19.2#
70 14.5 11.7 17.5



#38
Carbon Tetrachloride
Concen: 50.222 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 117 Resp: 278120
Ion Ratio Lower Upper
117 100
119 94.8 76.9 115.3
121 30.1 24.5 36.7

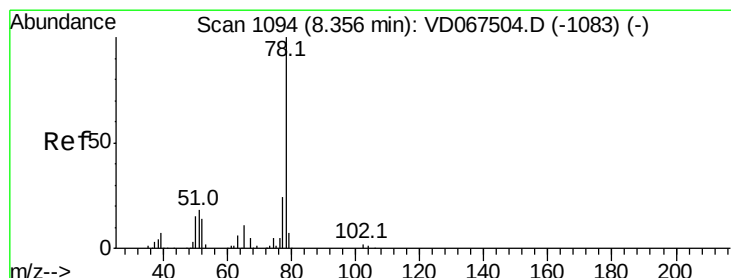
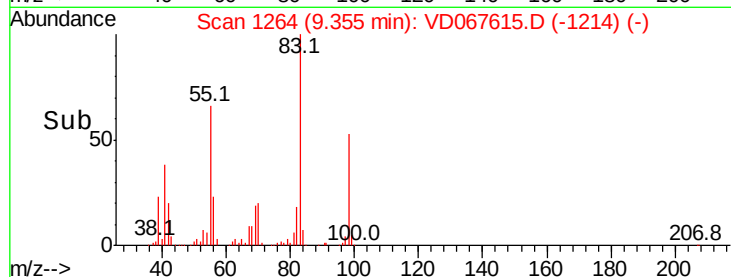
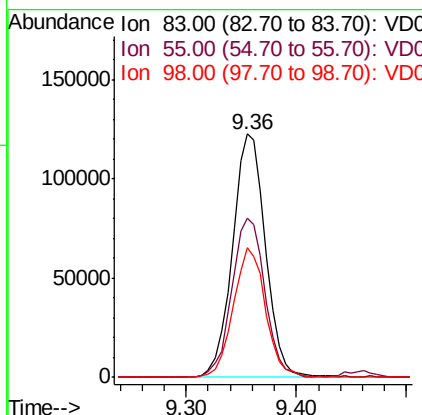
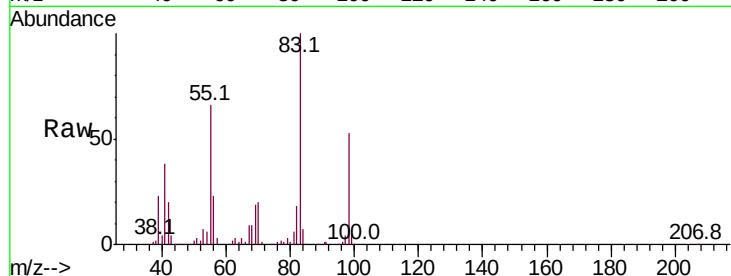




#39
Methylvlcyclohexane
Concen: 51.271 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

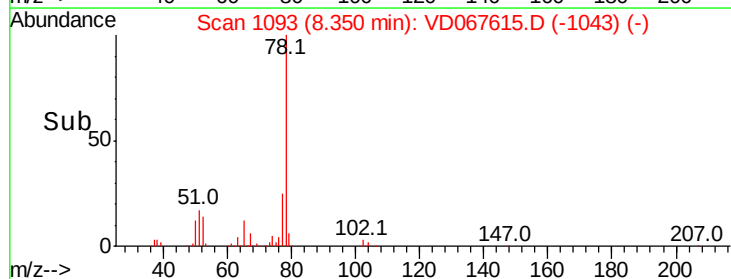
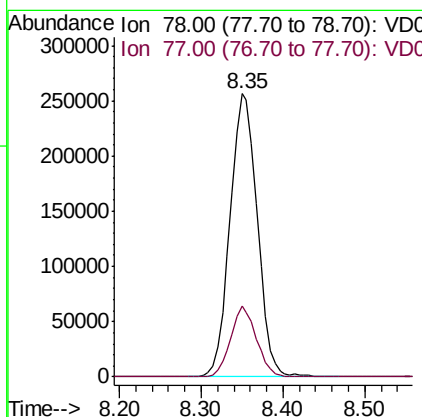
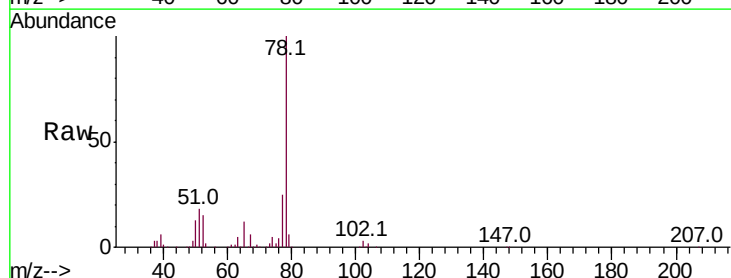
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

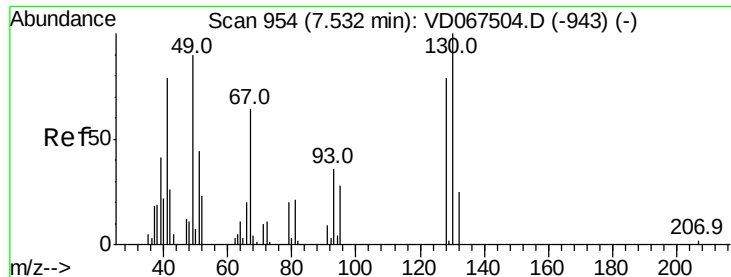
Tot Ion	83	Resp	257201
Ion Ratio	Lower	Upper	
83	100		
55	65.4	50.5	75.7
98	53.2	43.4	65.0



#40
Benzene
Concen: 51.616 ug/l
RT: 8.35 min Scan# 1093
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion	78	Resp	595925
Ion Ratio	Lower	Upper	
78	100		
77	25.2	19.1	28.7





#41

Methacrylonitrile

Concen: 59.610 ug/l

RT: 7.53 min Scan# 953

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 39428

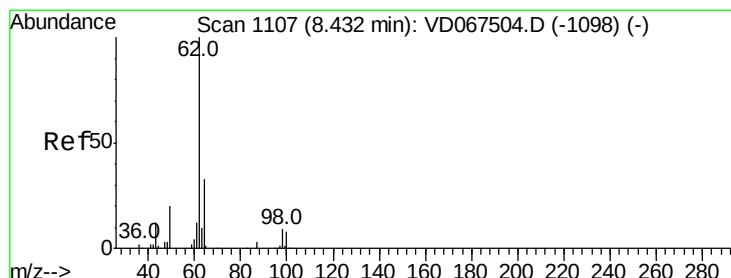
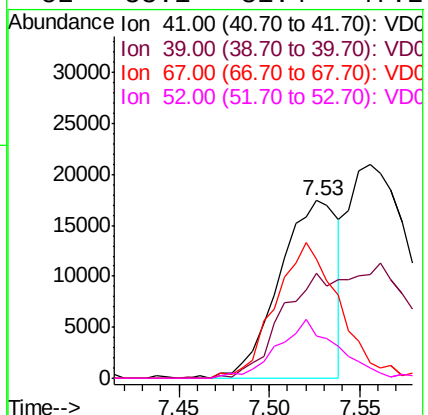
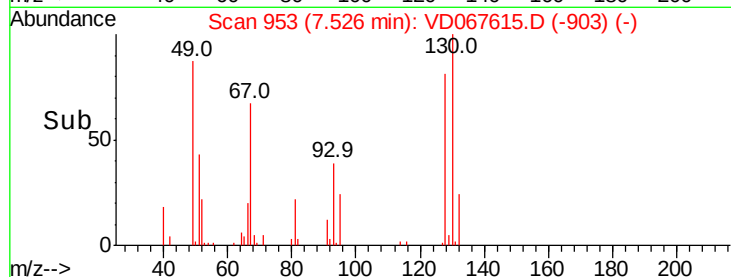
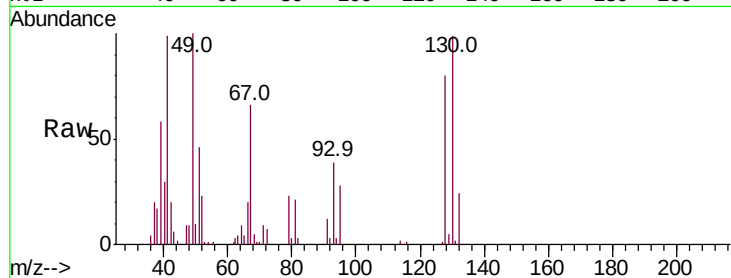
Ion Ratio Lower Upper

41 100

39 47.8 51.3 76.9#

67 83.4 78.9 118.3

52 33.1 31.4 47.2



#42

1,2-Dichloroethane

Concen: 50.331 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067615.D

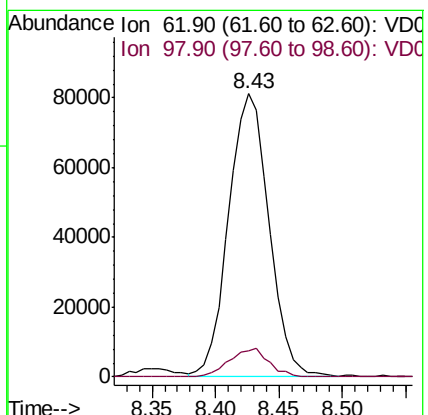
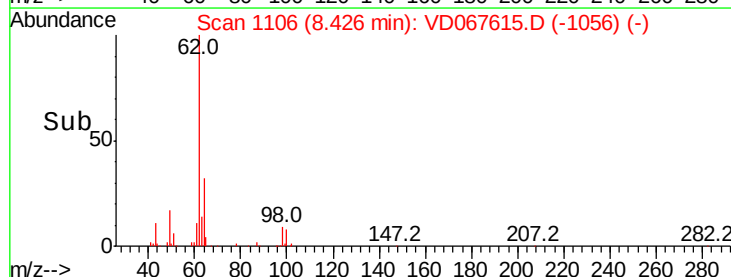
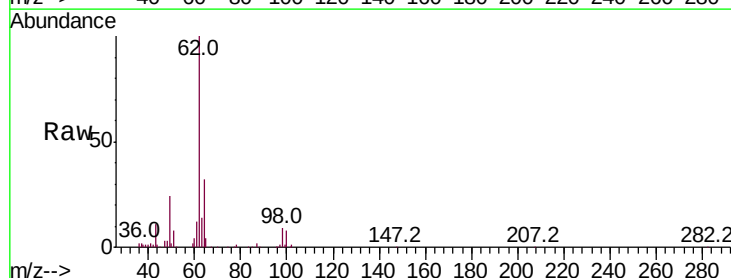
Acq: 12 Nov 2020 09:51

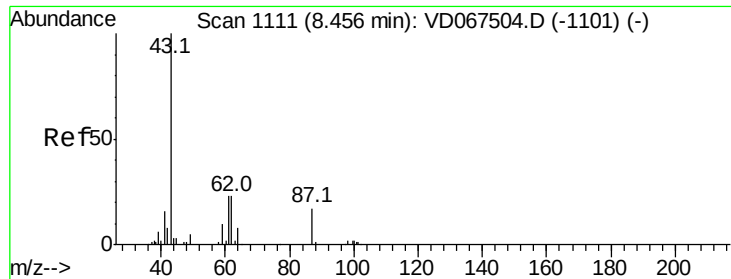
Tgt Ion: 62 Resp: 179536

Ion Ratio Lower Upper

62 100

98 9.8 0.0 19.8





#43

Isopropyl Acetate

Concen: 56.050 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

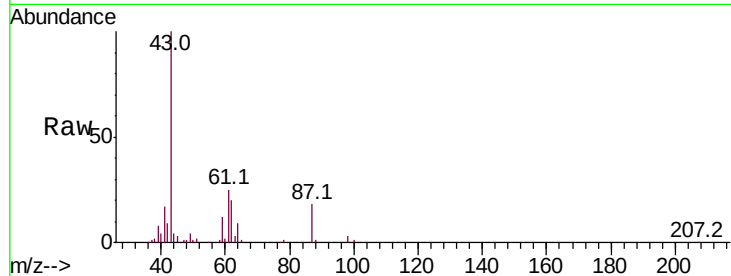
Tot Ion: 43 Resp: 122661

Ion Ratio Lower Upper

43 100

61 38.0 30.5 45.7

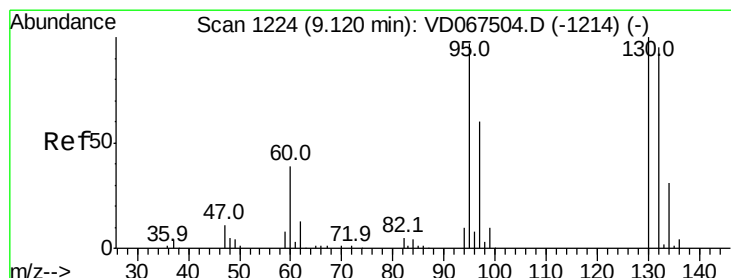
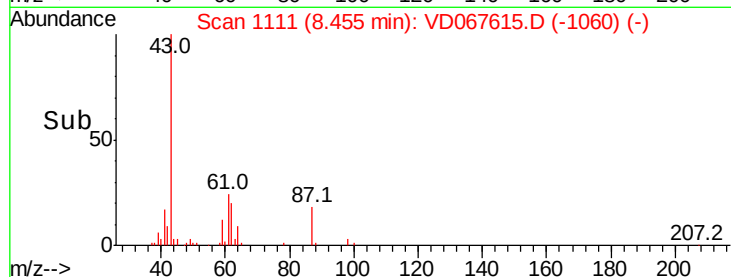
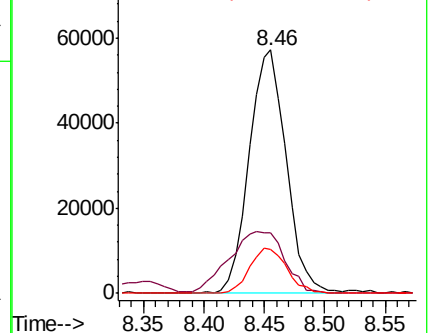
87 18.8 14.7 22.1



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: 50.413 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067615.D

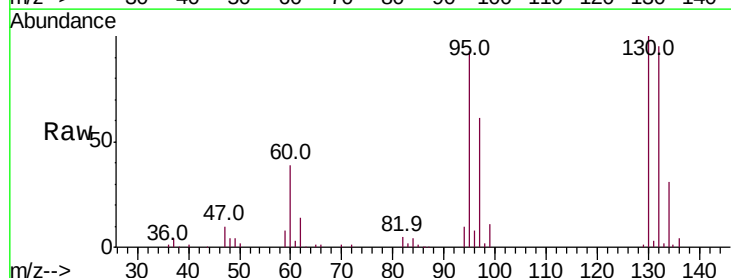
Acq: 12 Nov 2020 09:51

Tgt Ion:130 Resp: 191379

Ion Ratio Lower Upper

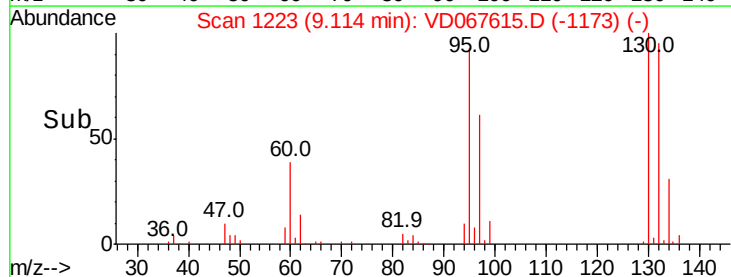
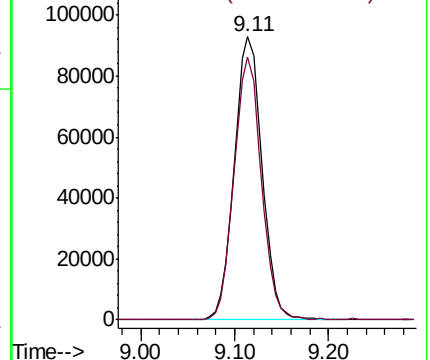
130 100

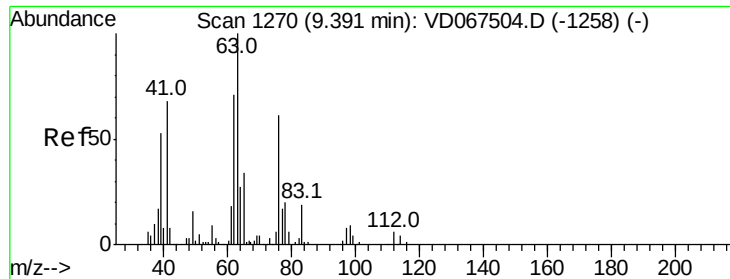
95 93.0 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 52.627 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

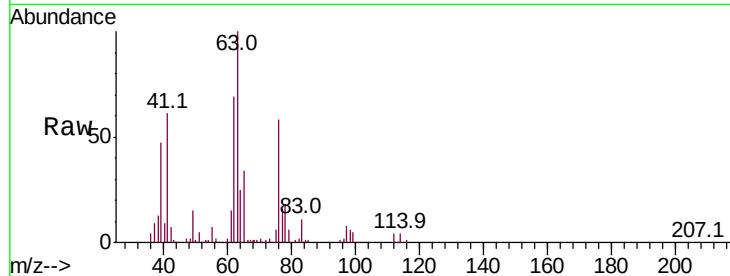
VSTDCCC050

Tot Ion: 63 Resp: 131366

Ion Ratio Lower Upper

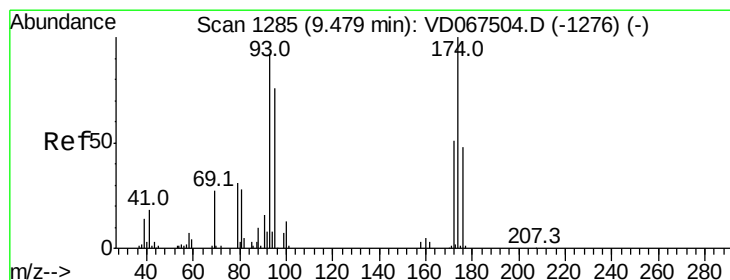
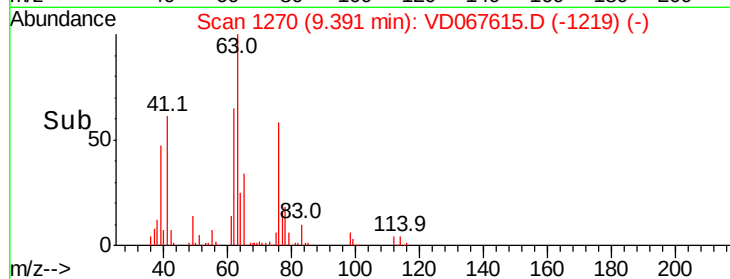
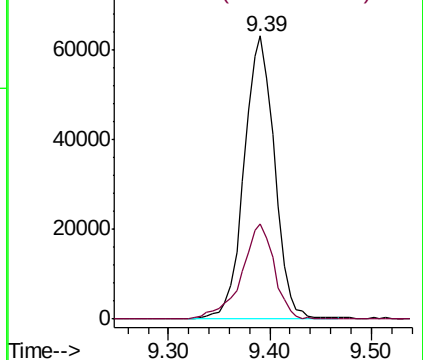
63 100

65 33.9 26.9 40.3



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 64.90 (64.60 to 65.60): VDC



#46

Dibromomethane

Concen: 51.943 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

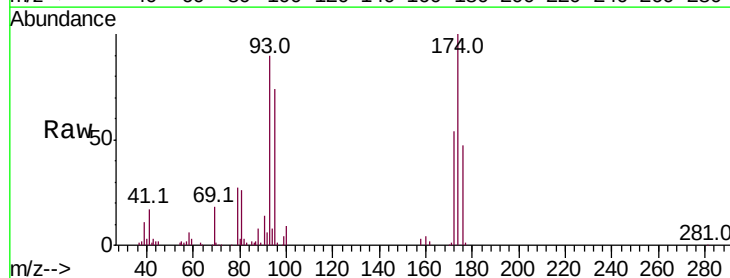
Tgt Ion: 93 Resp: 82441

Ion Ratio Lower Upper

93 100

95 85.0 66.4 99.6

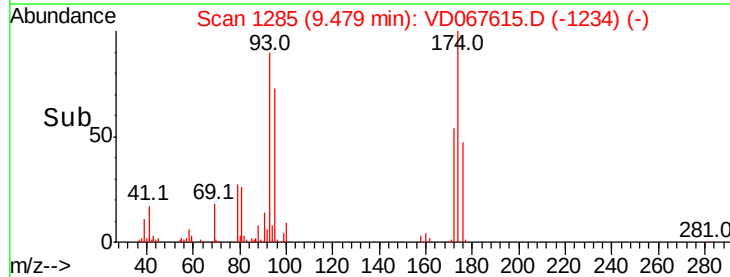
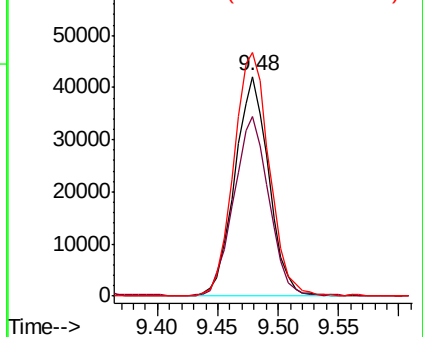
174 116.2 88.2 132.4

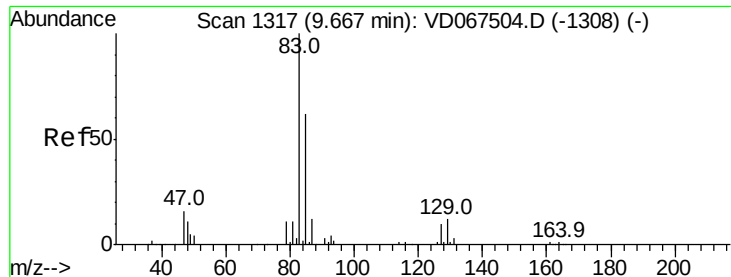


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.004 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

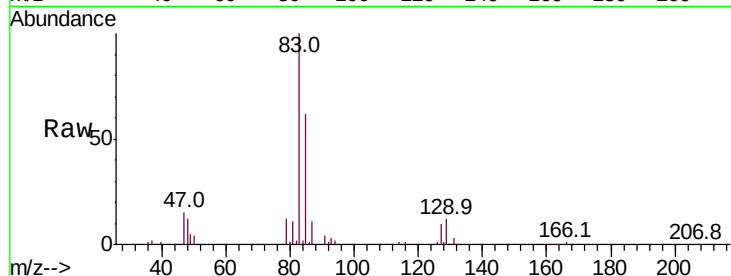
Tot Ion: 83 Resp: 224340

Ion Ratio Lower Upper

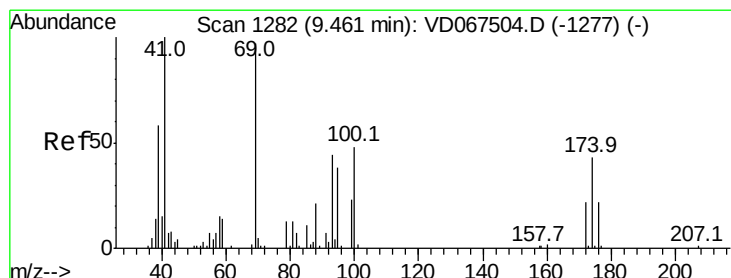
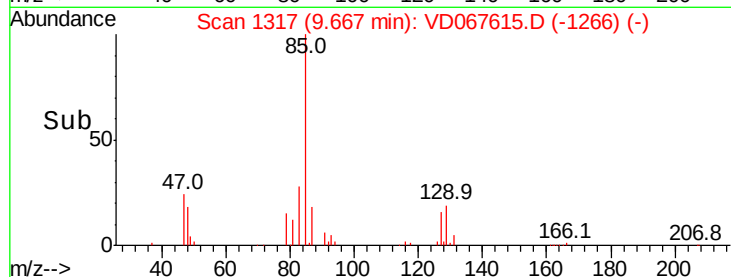
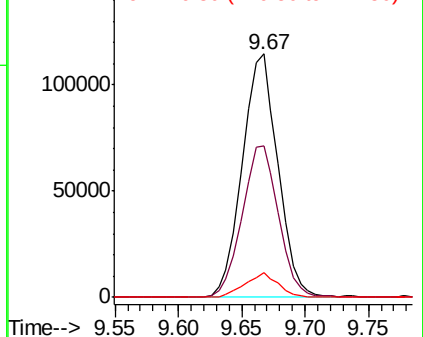
83 100

85 62.2 49.4 74.2

127 10.0 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: 58.845 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

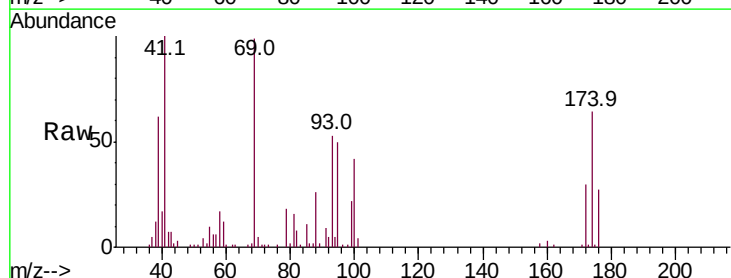
Tgt Ion: 41 Resp: 66491

Ion Ratio Lower Upper

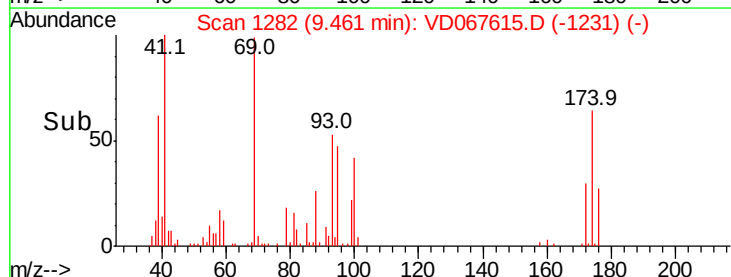
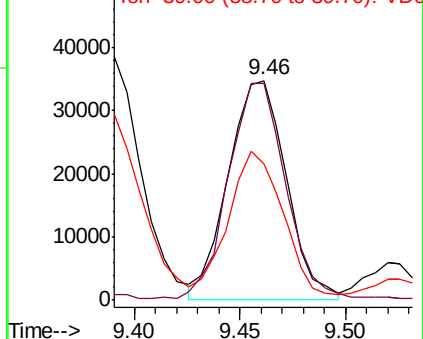
41 100

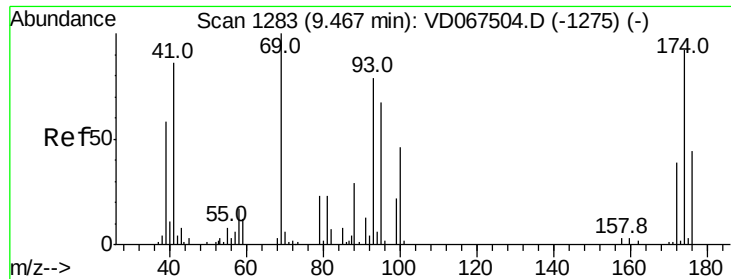
69 99.0 80.6 121.0

39 60.1 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: 1118.159 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

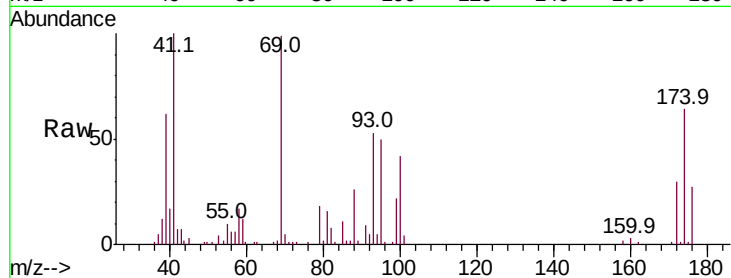
Tot Ion: 88 Resp: 18016

Ion Ratio Lower Upper

88 100

43 31.8 23.6 35.4

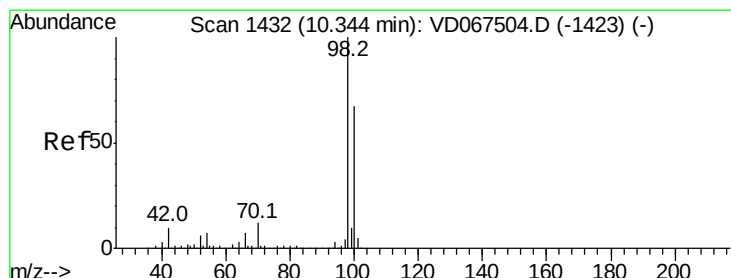
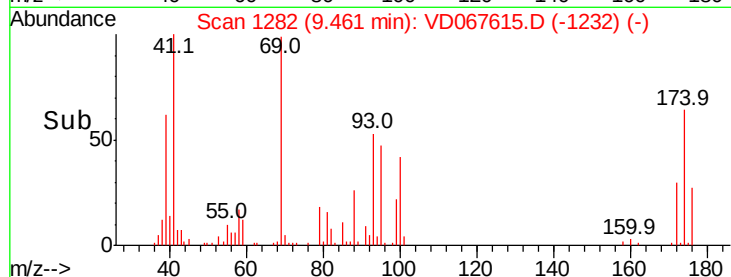
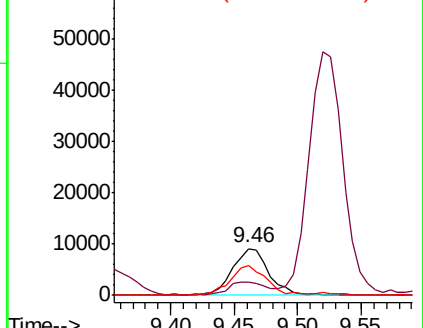
58 64.7 44.7 67.1



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: 49.246 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067615.D

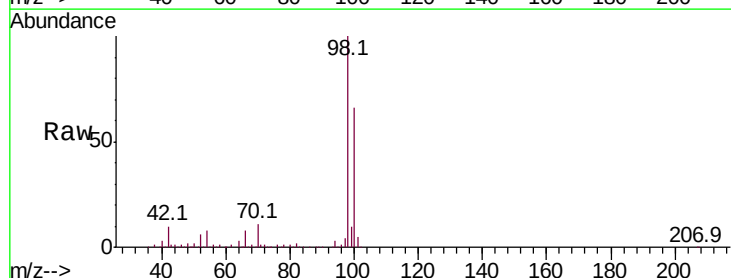
Acq: 12 Nov 2020 09:51

Tgt Ion: 98 Resp: 519190

Ion Ratio Lower Upper

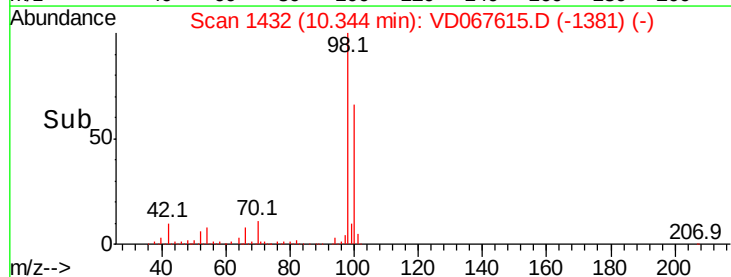
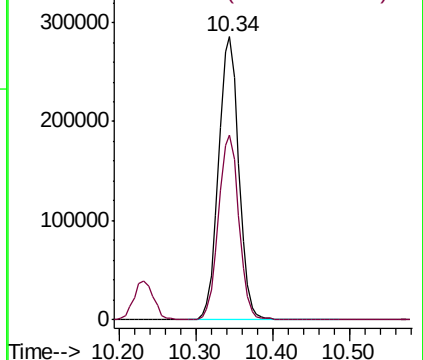
98 100

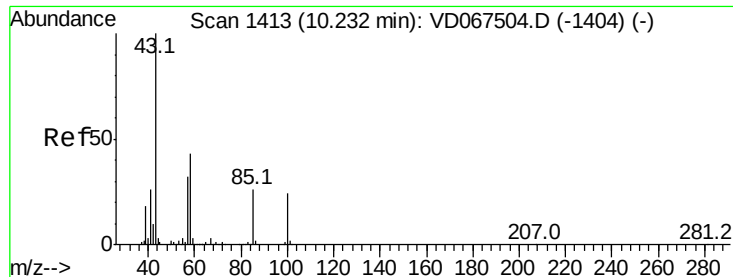
100 66.1 53.0 79.6



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: 296.432 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

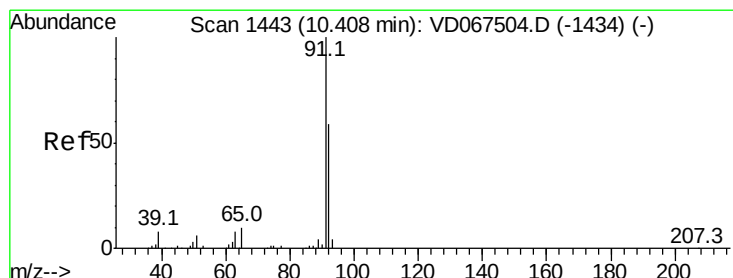
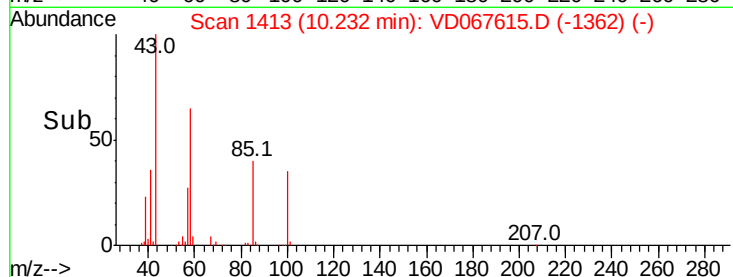
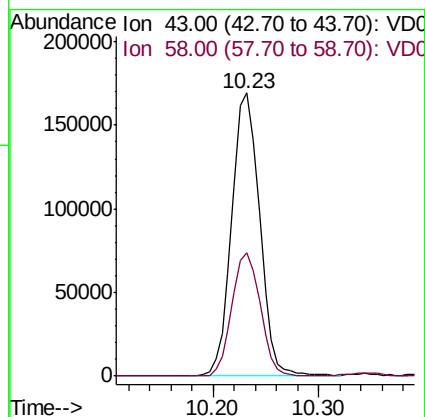
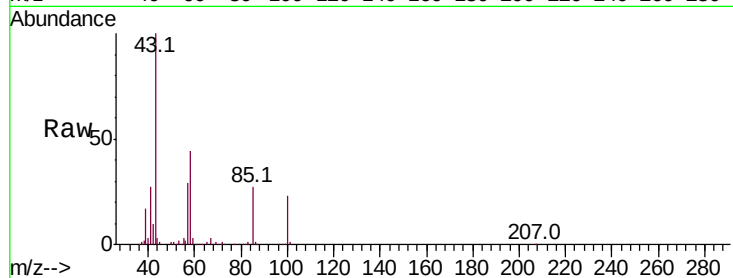
VSTDCCC050

Tot Ion: 43 Resp: 310251

Ion Ratio Lower Upper

43 100

58 44.3 35.6 53.4



#52

Toluene

Concen: 52.762 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067615.D

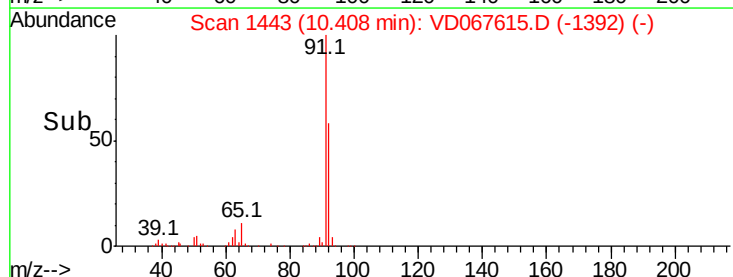
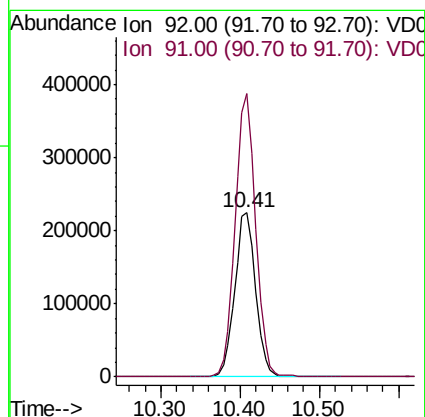
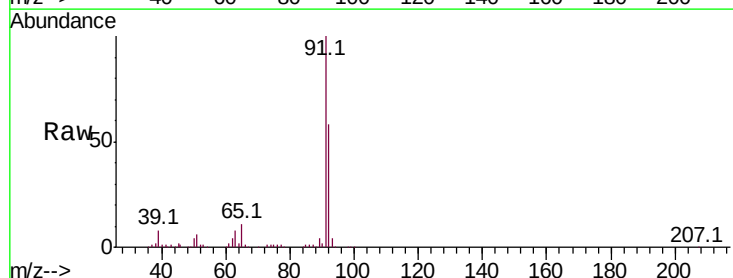
Acq: 12 Nov 2020 09:51

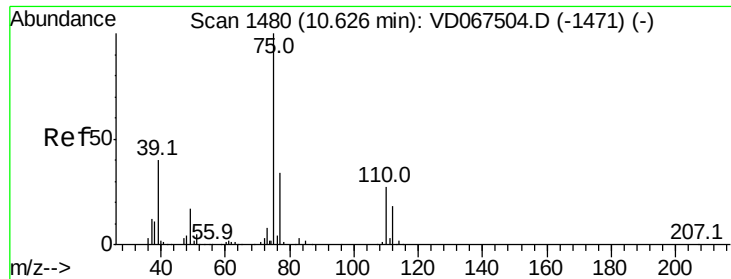
Tgt Ion: 92 Resp: 408012

Ion Ratio Lower Upper

92 100

91 169.6 137.0 205.6





#53

t-1,3-Dichloropropene

Concen: 54.013 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

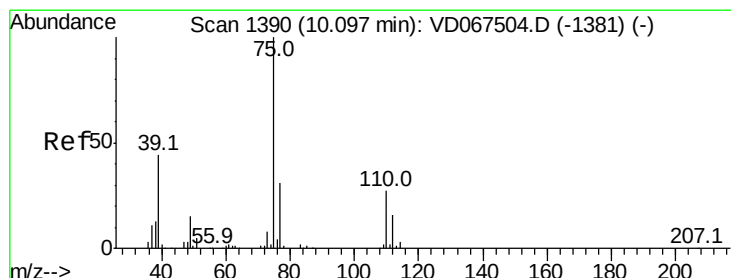
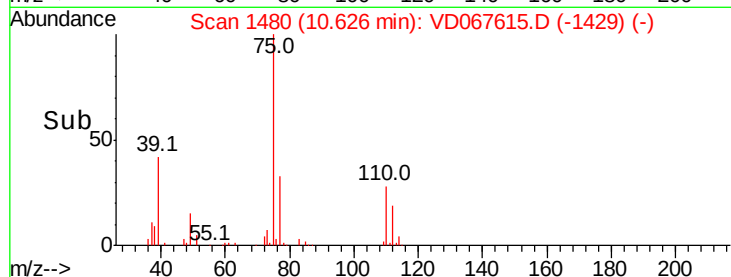
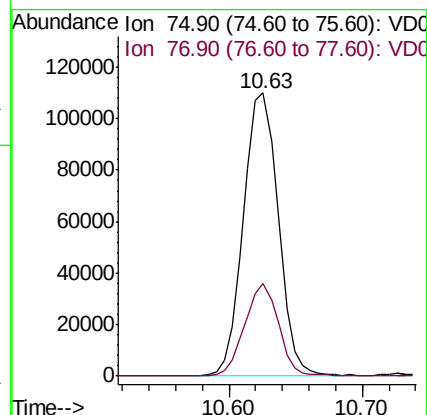
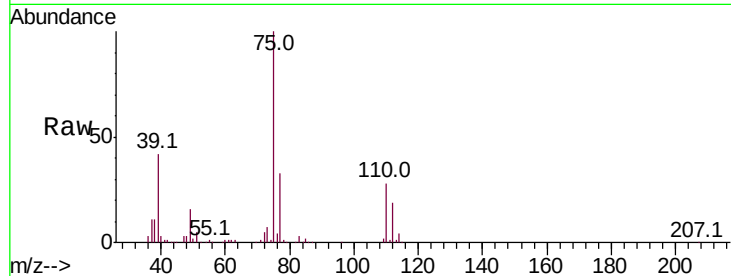
VSTDCCC050

Tot Ion: 75 Resp: 199557

Ion Ratio Lower Upper

75 100

77 32.6 27.0 40.6



#54

cis-1,3-Dichloropropene

Concen: 51.555 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

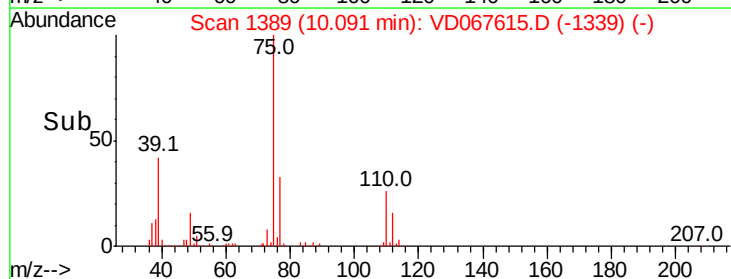
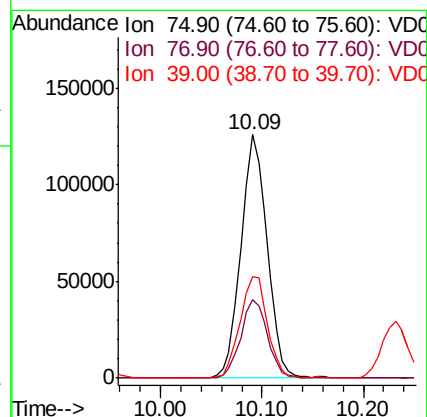
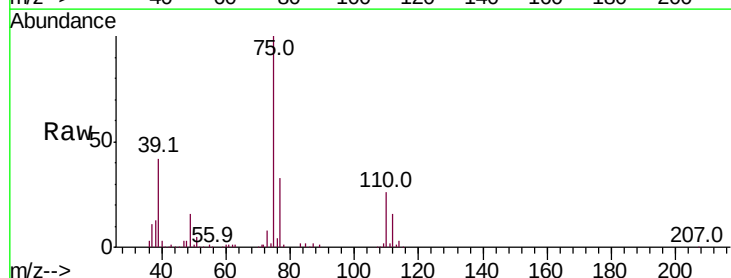
Tgt Ion: 75 Resp: 226308

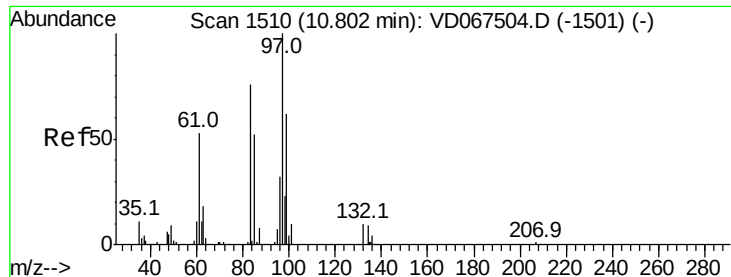
Ion Ratio Lower Upper

75 100

77 32.5 24.4 36.6

39 41.3 35.6 53.4

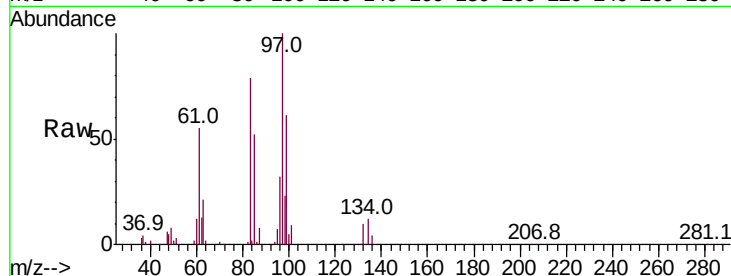




#55
 1,1,2-Trichloroethane
 Concen: 53.088 ug/l
 RT: 10.80 min Scan# 1510
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:	97	Resp:	111483
Ion	Ratio	Lower	Upper
97	100		
83	78.9	61.0	91.6
85	51.9	41.5	62.3
99	61.5	49.4	74.2



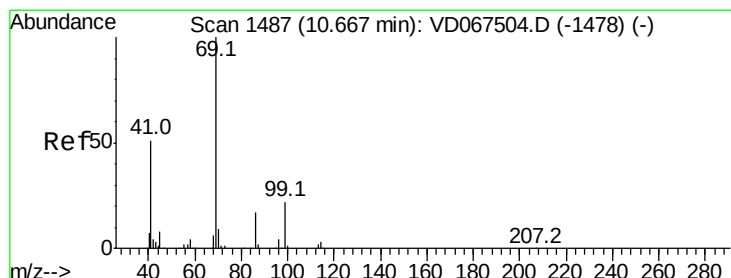
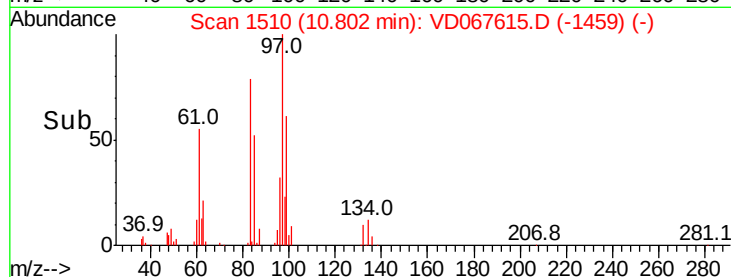
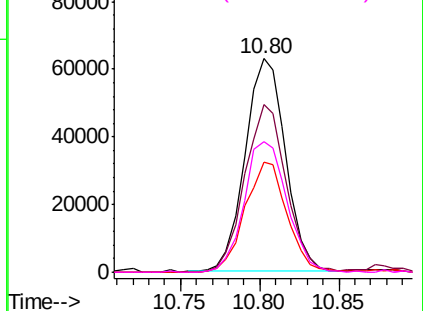
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

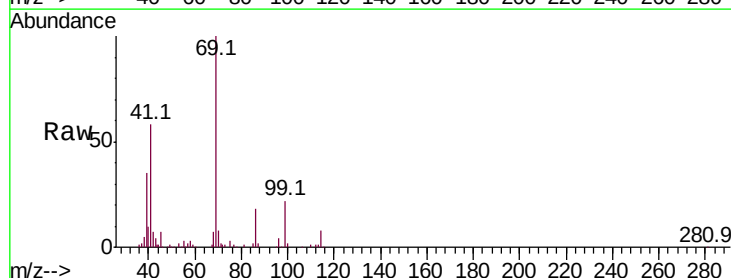
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 56.618 ug/l
 RT: 10.66 min Scan# 1486
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion:	69	Resp:	122781
Ion	Ratio	Lower	Upper
69	100		
41	56.5	45.4	68.0
39	30.0	27.4	41.0

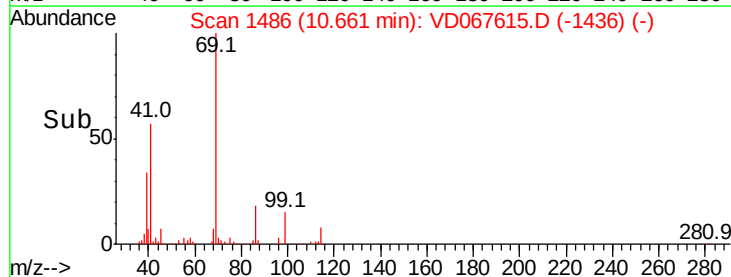
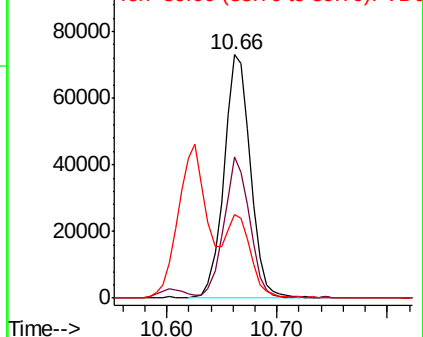


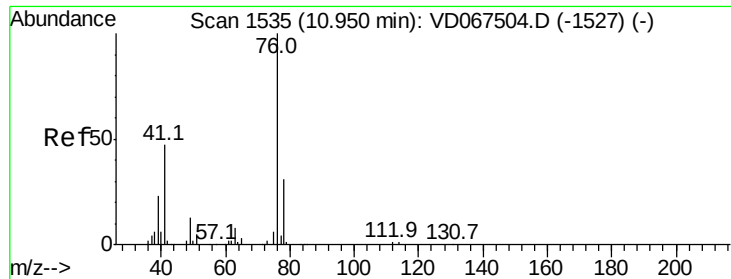
Abundance

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: 53.874 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

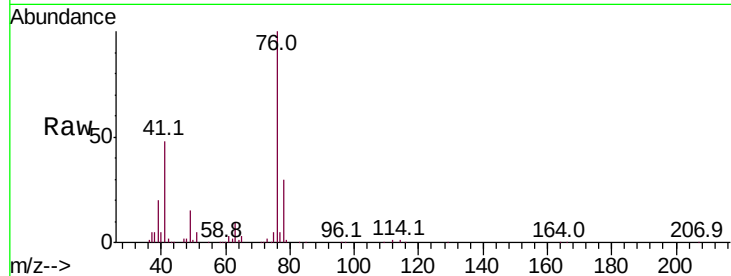
VSTDCCC050

Tot Ion: 76 Resp: 182054

Ion Ratio Lower Upper

76 100

78 33.7 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

120000

100000

80000

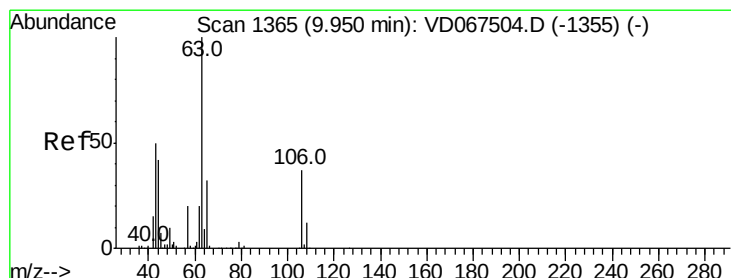
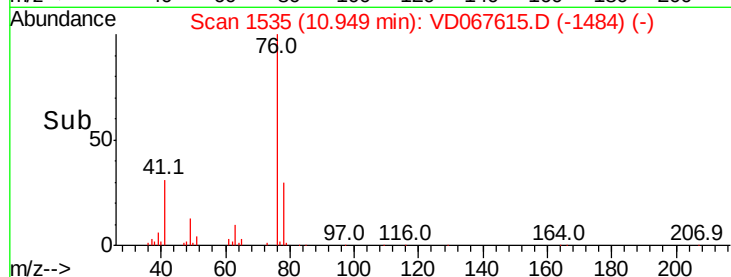
60000

40000

20000

0

Time--> 10.85 10.90 10.95 11.00



#58

2-Chloroethyl Vinyl ether

Concen: 306.643 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067615.D

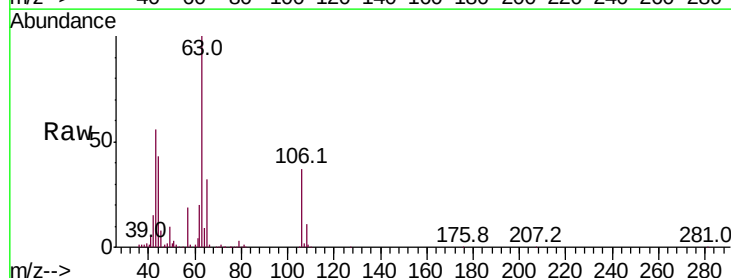
Acq: 12 Nov 2020 09:51

Tgt Ion: 63 Resp: 310100

Ion Ratio Lower Upper

63 100

106 35.7 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

200000

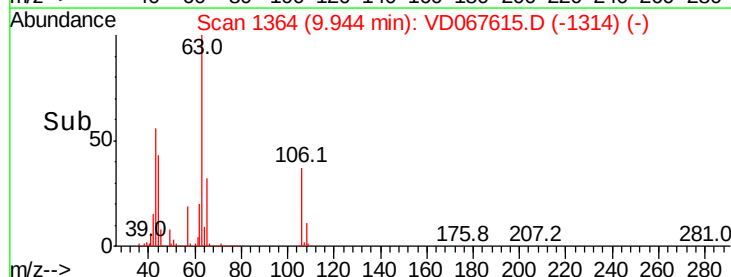
150000

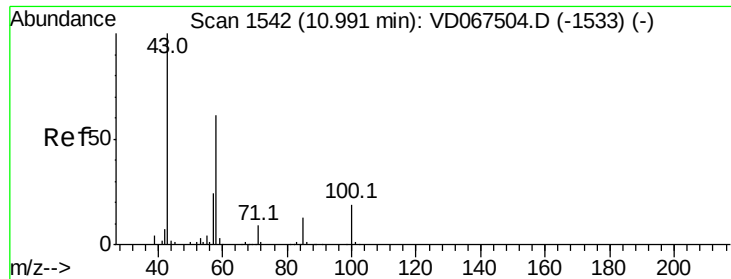
100000

50000

0

Time--> 9.90 9.94 9.98 10.00

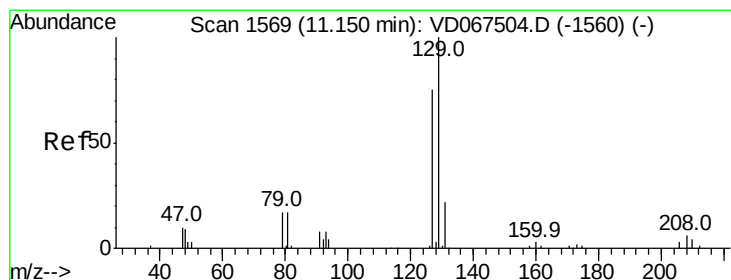
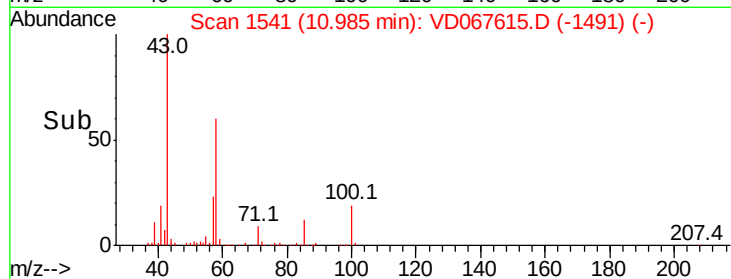
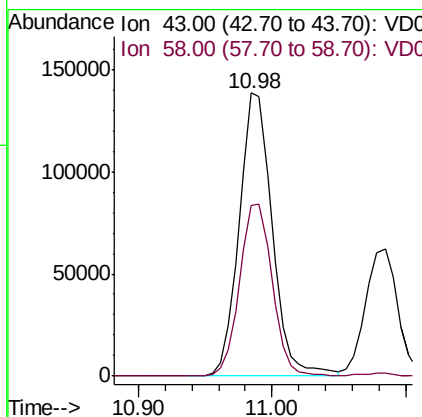
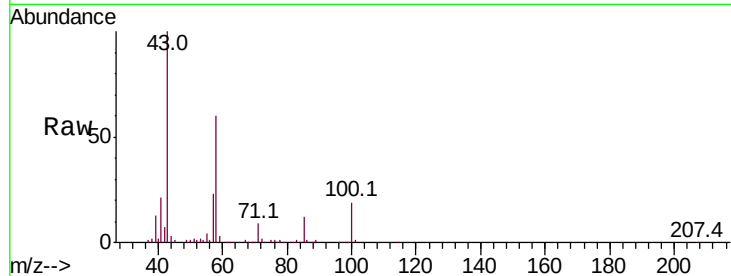




#59
2-Hexanone
Concen: 324.919 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

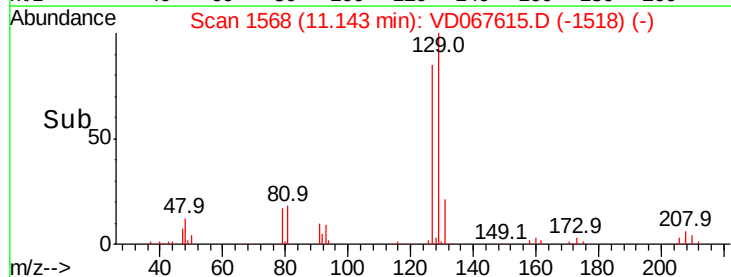
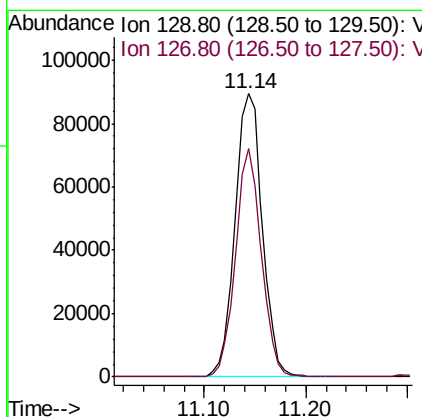
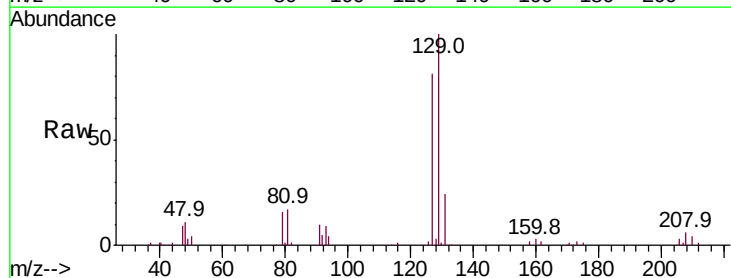
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

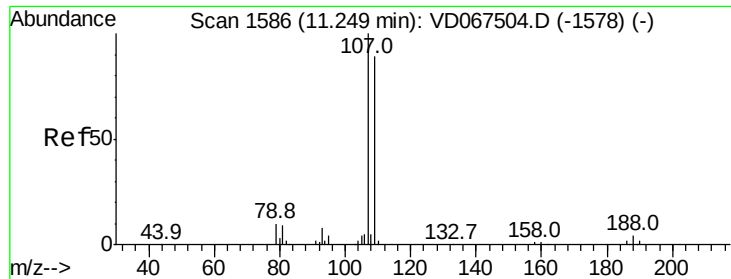
Tot Ion: 43 Resp: 237774
Ion Ratio Lower Upper
43 100
58 59.9 30.3 90.9



#60
Dibromochloromethane
Concen: 53.959 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 129 Resp: 167619
Ion Ratio Lower Upper
129 100
127 76.2 38.0 114.1

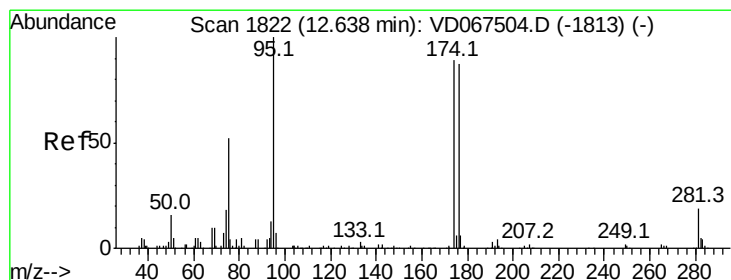
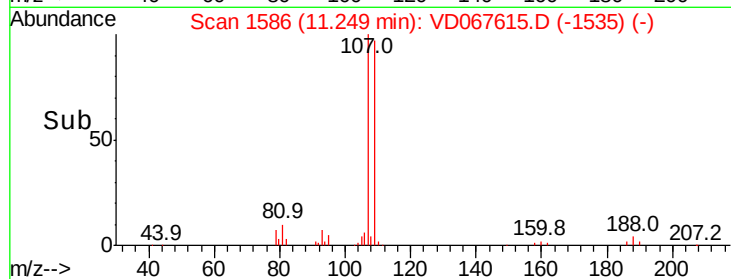
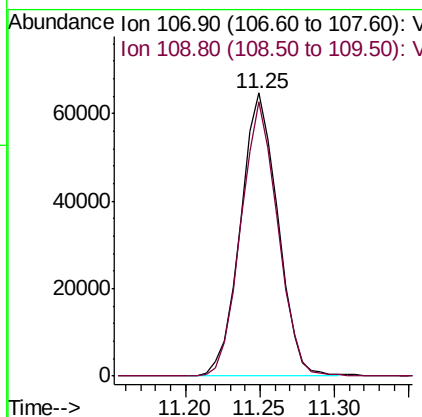
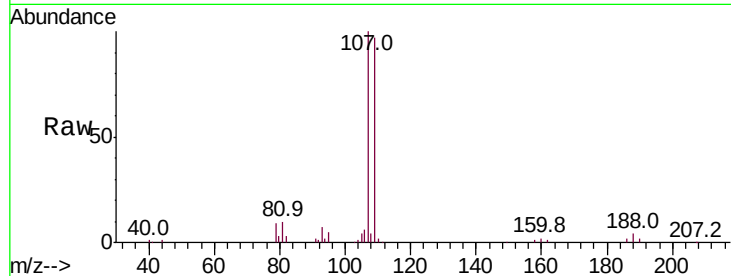




#61
 1,2-Dibromoethane
 Concen: 53.152 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

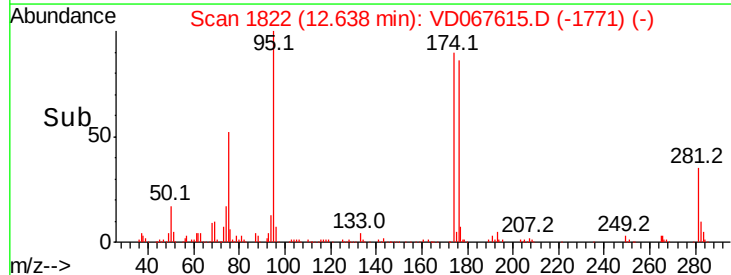
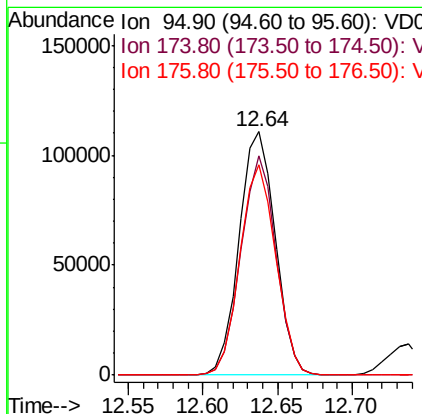
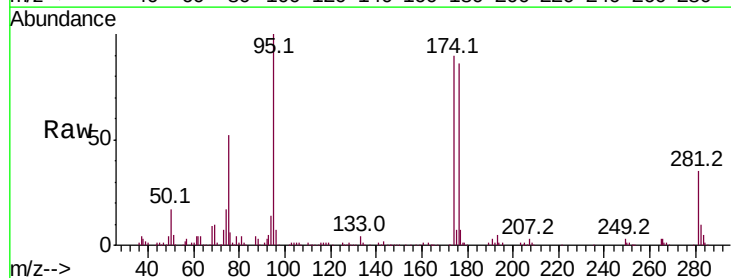
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

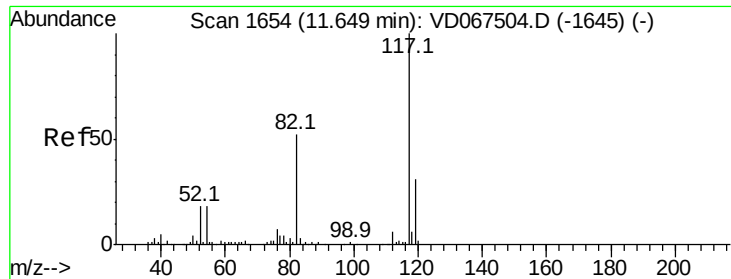
Tot Ion:107 Resp: 112024
 Ion Ratio Lower Upper
 107 100
 109 95.5 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.987 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 95 Resp: 185586
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 177.8
 176 86.0 0.0 172.0

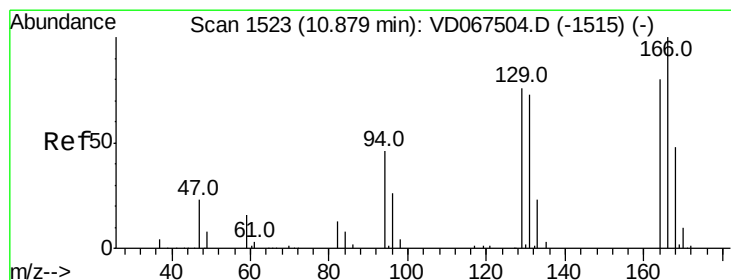
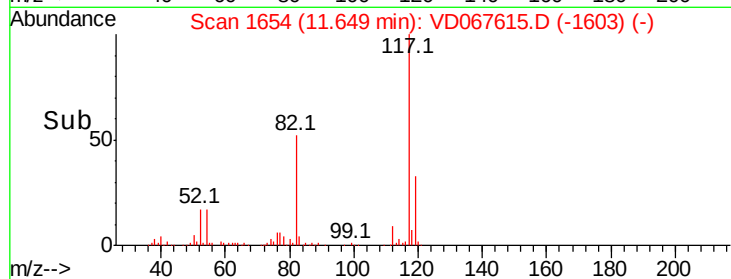
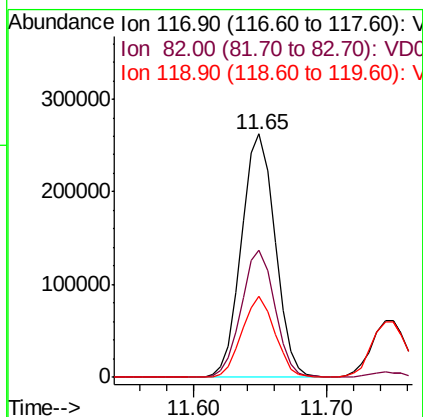
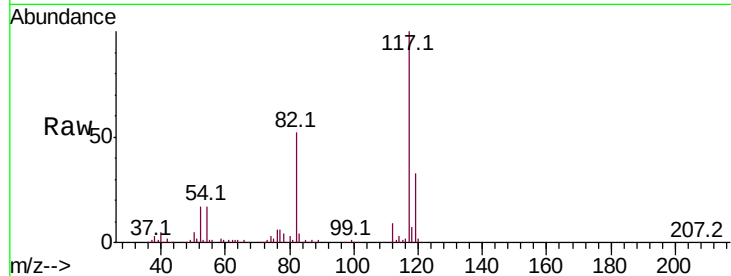




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

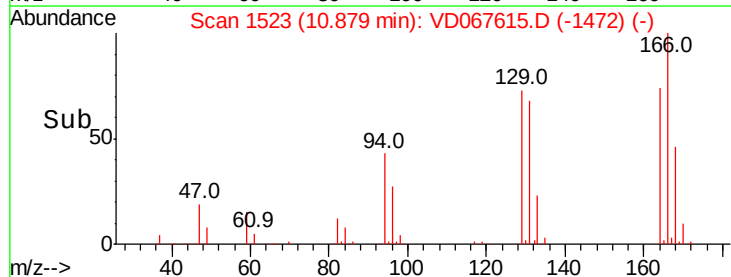
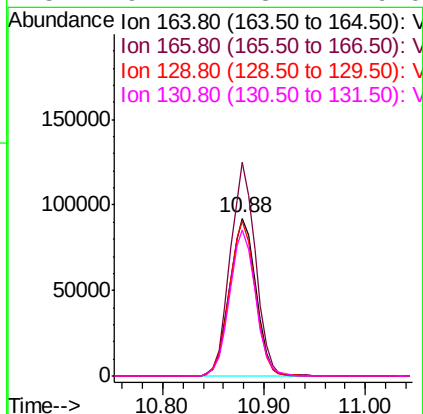
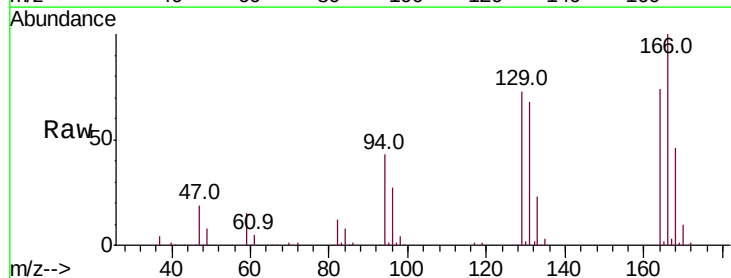
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

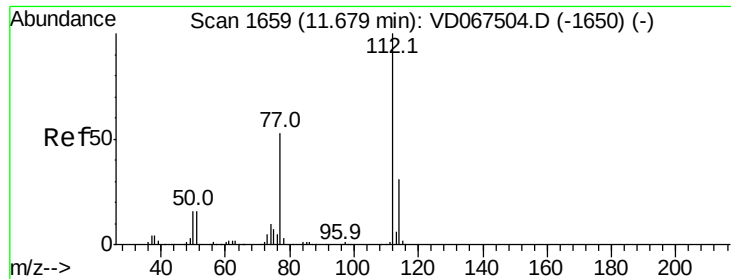
Tot Ion:117 Resp: 459180
Ion Ratio Lower Upper
117 100
82 52.0 41.6 62.4
119 33.1 25.1 37.7



#64
Tetrachloroethene
Concen: 48.906 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion:164 Resp: 166312
Ion Ratio Lower Upper
164 100
166 135.6 99.9 149.9
129 98.4 75.5 113.3
131 92.7 73.4 110.0

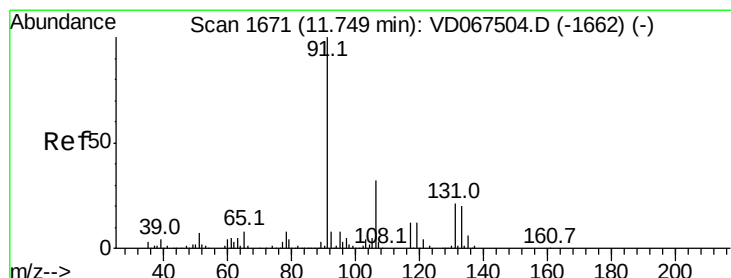
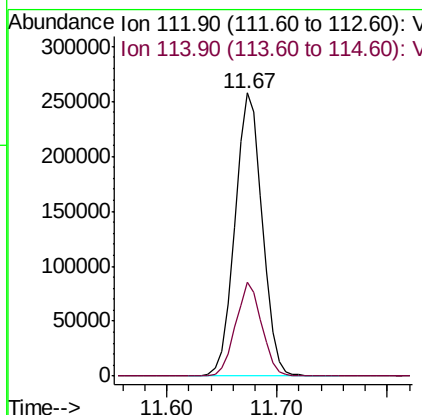
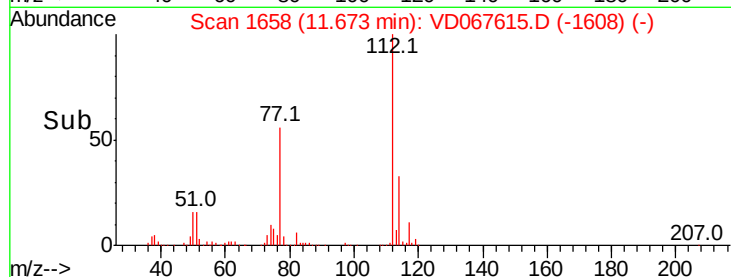
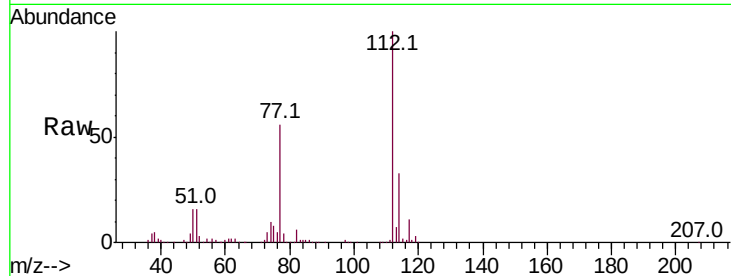




#65
Chlorobenzene
Concen: 50.519 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

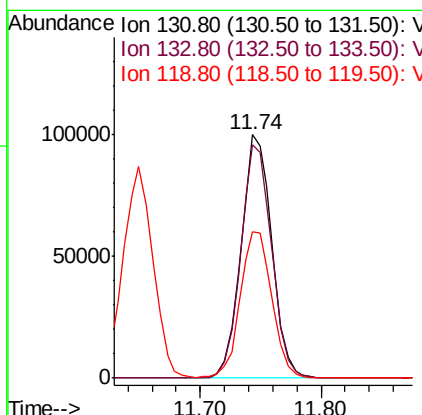
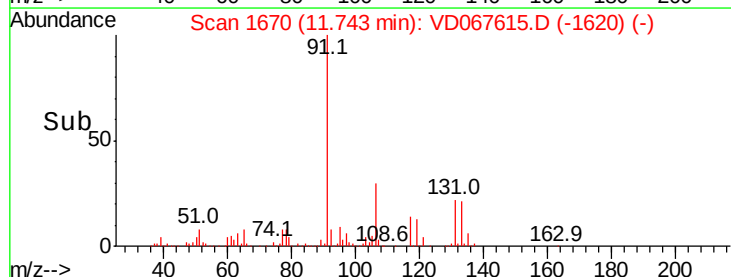
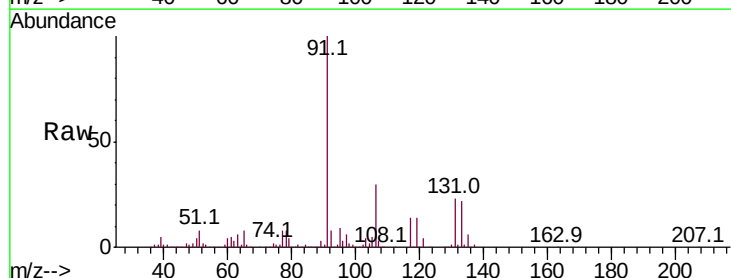
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

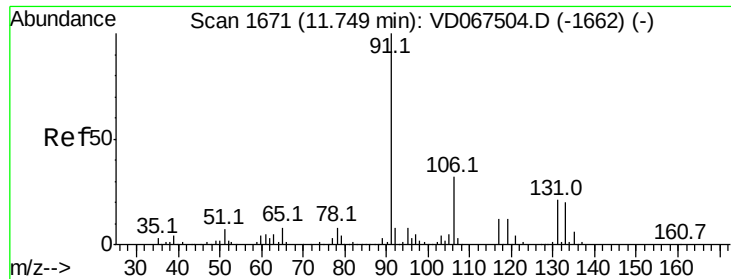
Tot Ion:112 Resp: 446840
Ion Ratio Lower Upper
112 100
114 33.3 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 50.728 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion:131 Resp: 176846
Ion Ratio Lower Upper
131 100
133 96.2 48.0 144.0
119 62.0 30.1 90.5

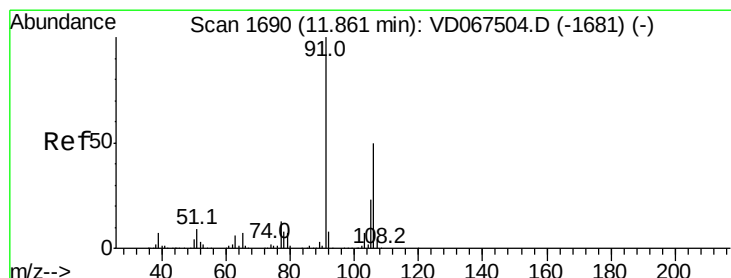
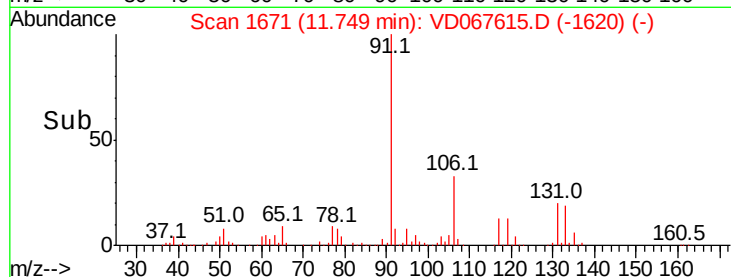
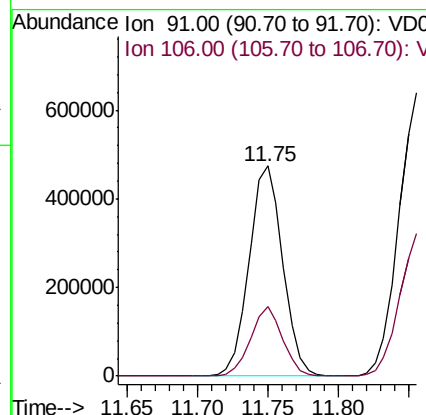
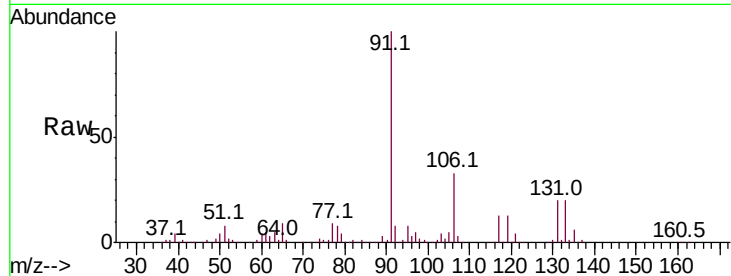




#67
Ethyl Benzene
Concen: 52.261 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

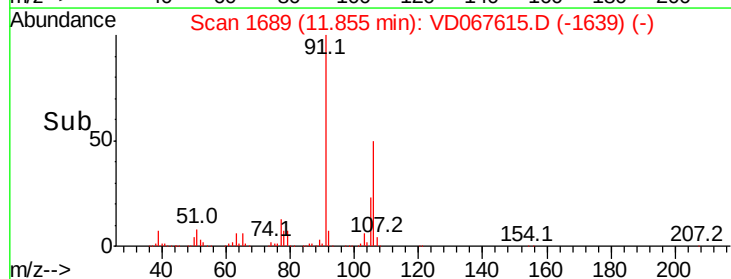
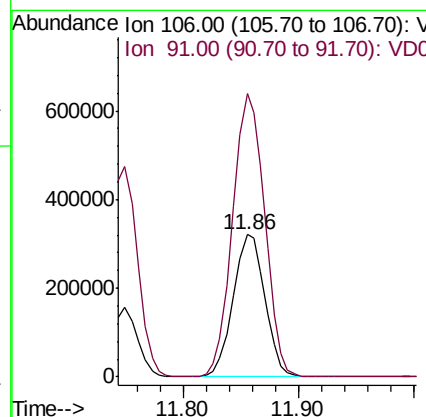
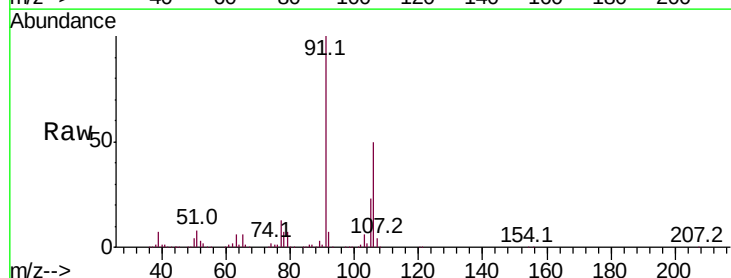
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

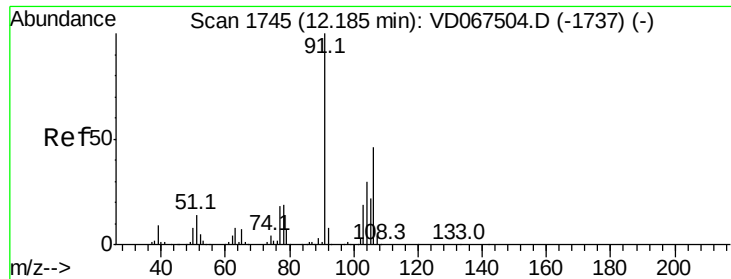
Tot Ion: 91 Resp: 791008
Ion Ratio Lower Upper
91 100
106 33.1 25.7 38.5



#68
m/p-Xylenes
Concen: 103.634 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 106 Resp: 610241
Ion Ratio Lower Upper
106 100
91 201.6 162.6 244.0

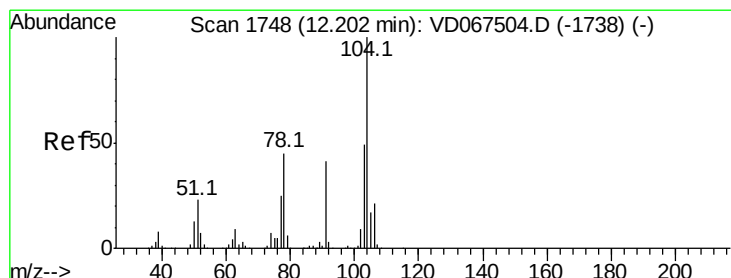
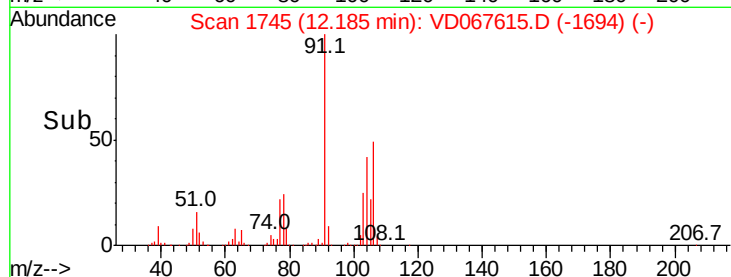
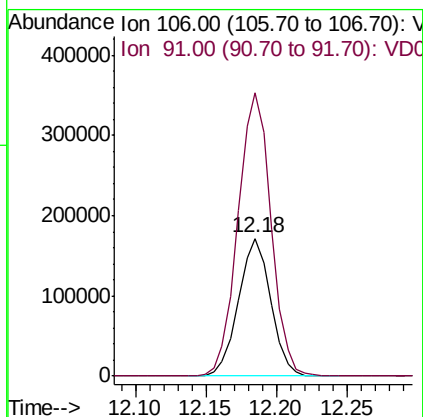
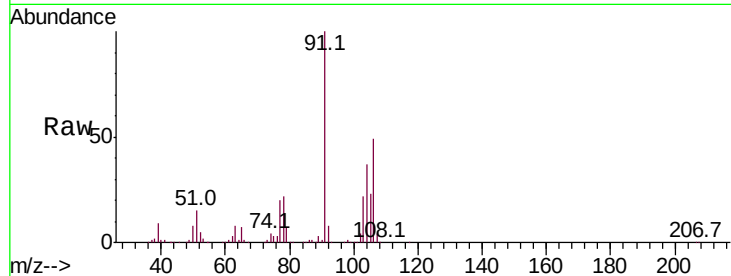




#69
o-Xylene
Concen: 52.272 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

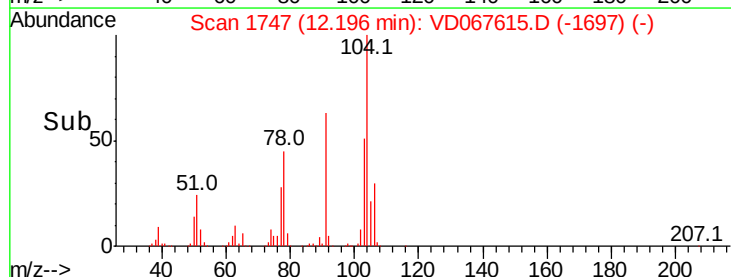
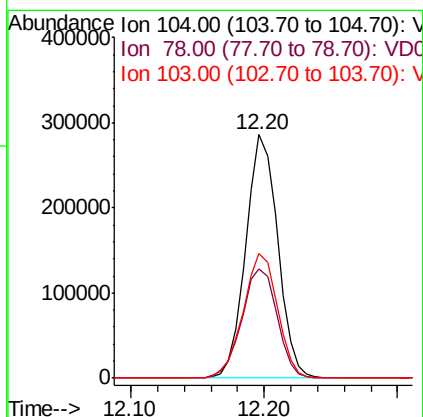
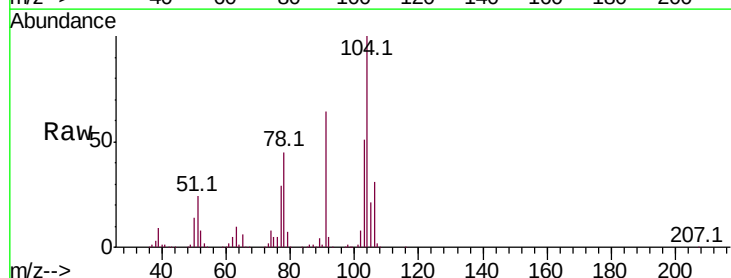
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

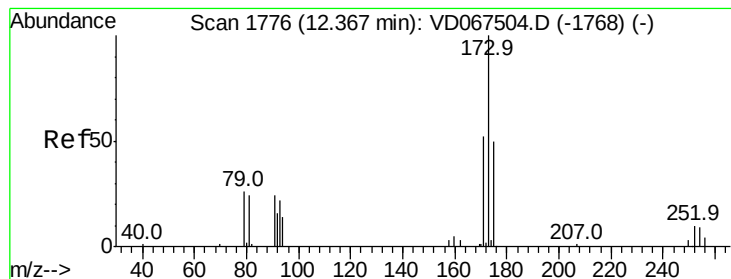
Tot Ion:106 Resp: 274810
Ion Ratio Lower Upper
106 100
91 210.6 107.1 321.1



#70
Styrene
Concen: 51.483 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion:104 Resp: 471634
Ion Ratio Lower Upper
104 100
78 49.9 39.8 59.8
103 55.2 43.9 65.9





#71

Bromoform

Concen: 55.655 ug/l

RT: 12.36 min Scan# 1775

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

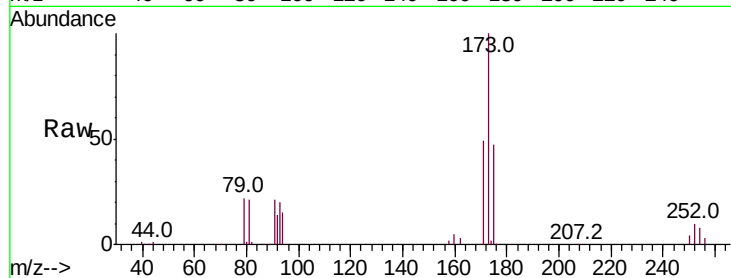
Tot Ion:173 Resp: 98952

Ion Ratio Lower Upper

173 100

175 47.4 24.1 72.2

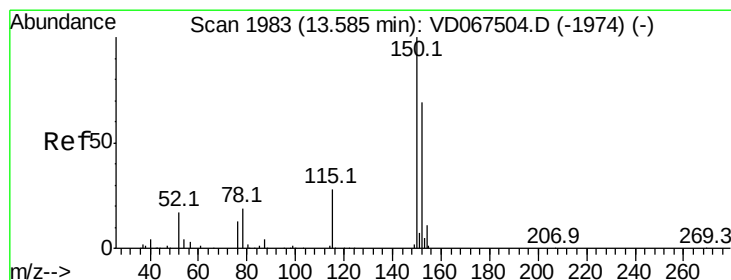
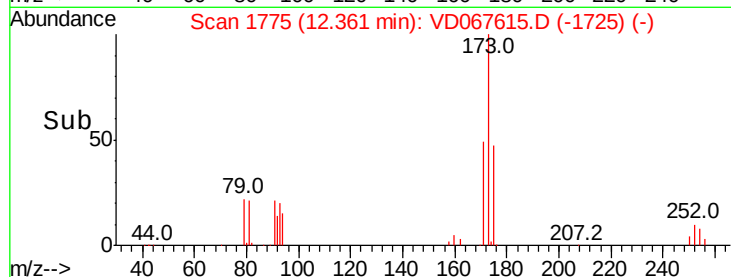
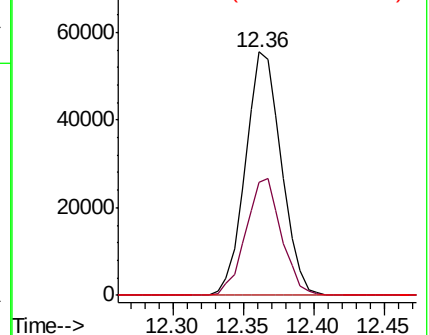
254 0.0 0.0 0.0



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: VD067615.D

Acq: 12 Nov 2020 09:51

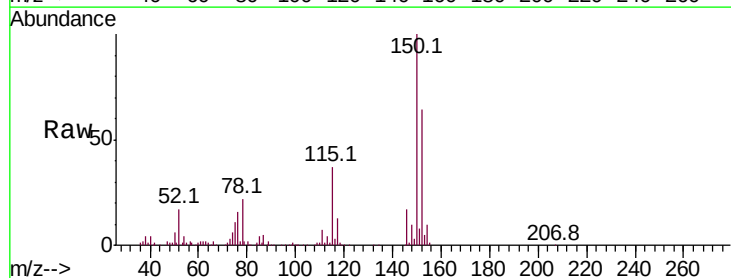
Tgt Ion:152 Resp: 231111

Ion Ratio Lower Upper

152 100

115 60.0 29.3 88.0

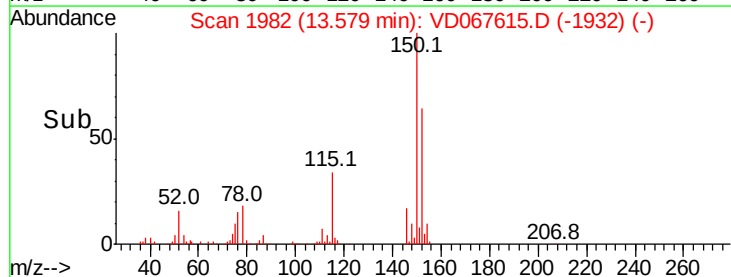
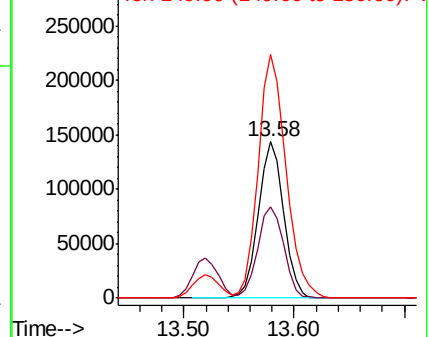
150 171.2 0.0 338.2

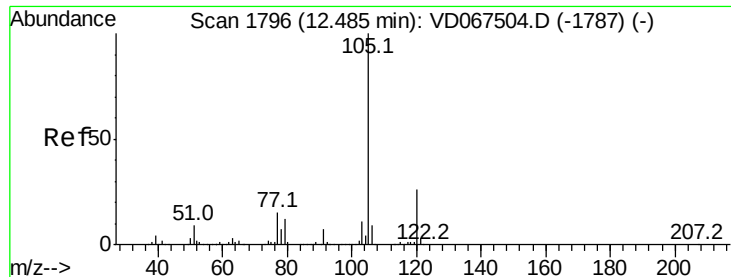


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V

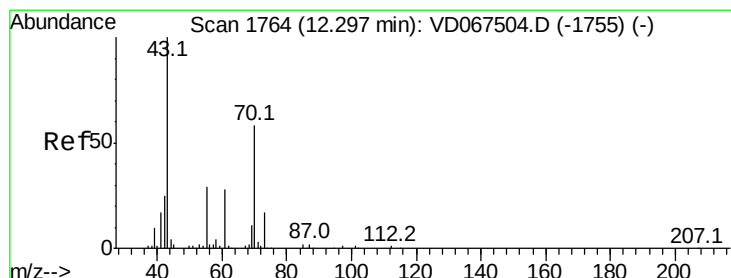
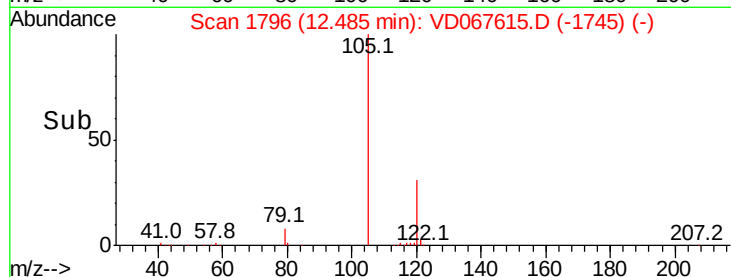
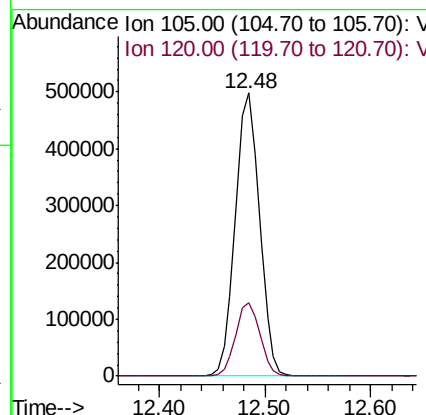
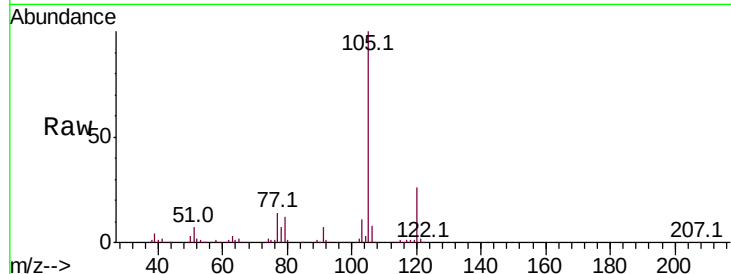




#73
Isopropylbenzene
Concen: 52.819 ug/l
RT: 12.48 min Scan# 1796
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

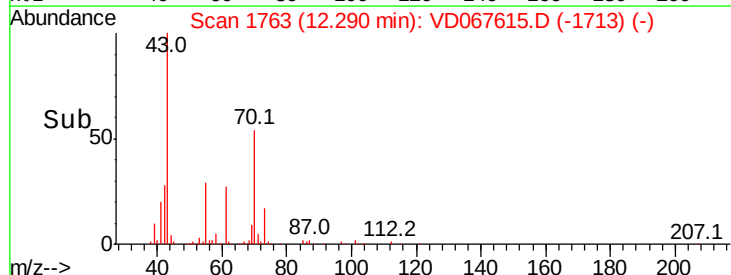
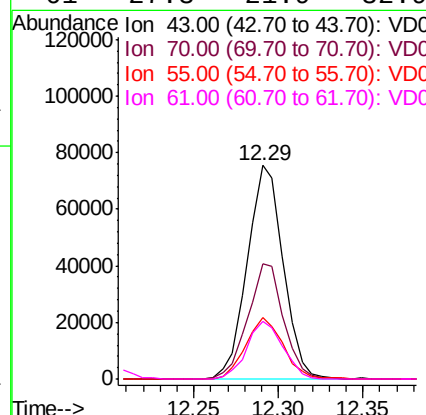
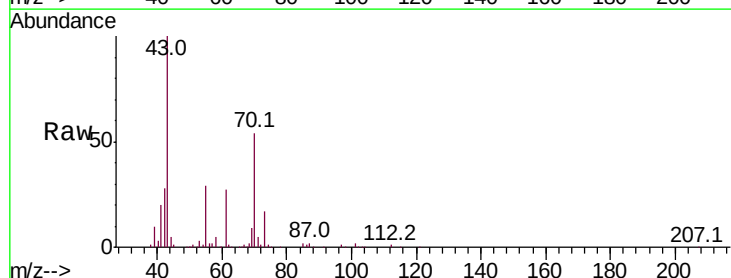
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

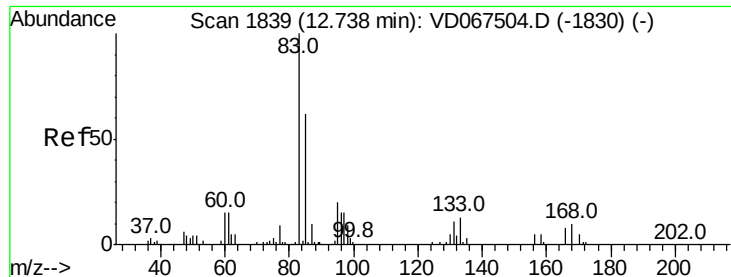
Tot Ion:105 Resp: 788916
Ion Ratio Lower Upper
105 100
120 26.1 13.2 39.6



#74
N-ethyl acetate
Concen: 57.000 ug/l
RT: 12.29 min Scan# 1763
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 43 Resp: 112027
Ion Ratio Lower Upper
43 100
70 53.8 42.6 64.0
55 29.8 23.7 35.5
61 27.3 21.9 32.9





#75

1,1,2,2-Tetrachloroethane

Concen: 54.832 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

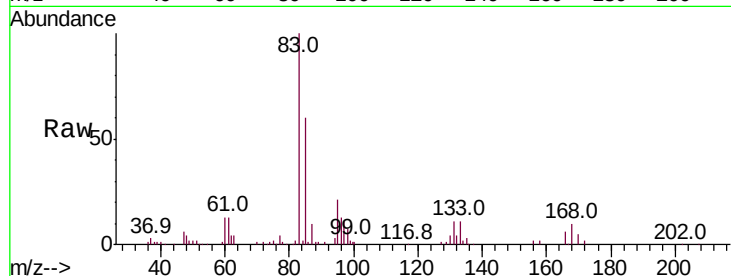
Tot Ion: 83 Resp: 111679

Ion Ratio Lower Upper

83 100

131 13.0 7.1 21.3

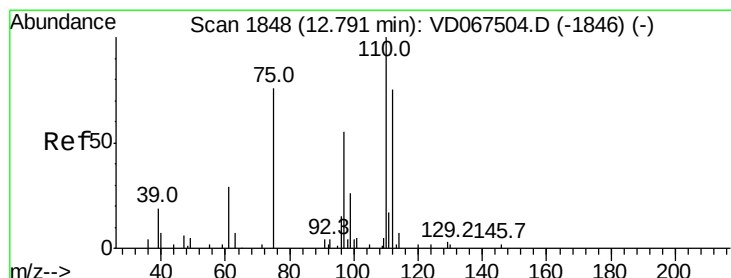
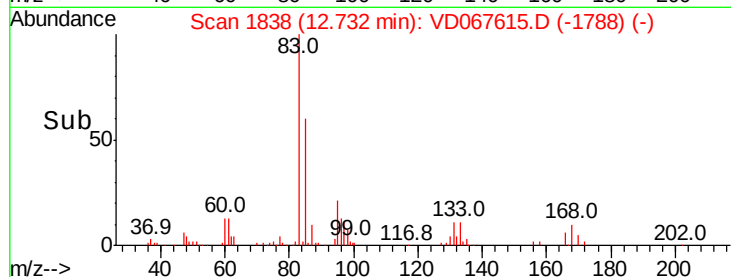
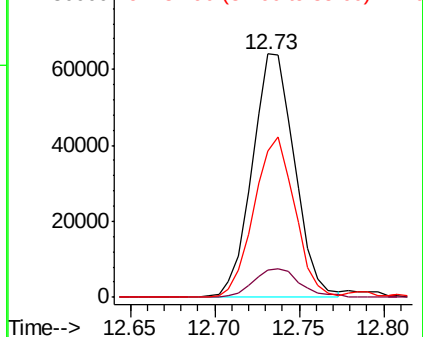
85 63.4 32.9 98.7



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: 109.162 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067615.D

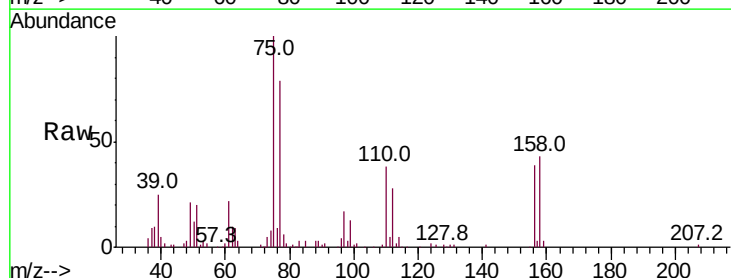
Acq: 12 Nov 2020 09:51

Tgt Ion: 75 Resp: 152193

Ion Ratio Lower Upper

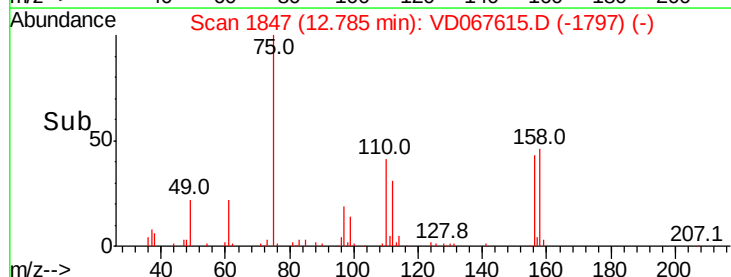
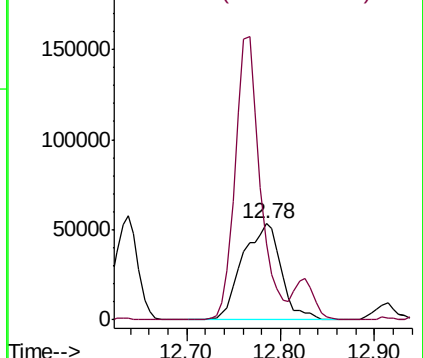
75 100

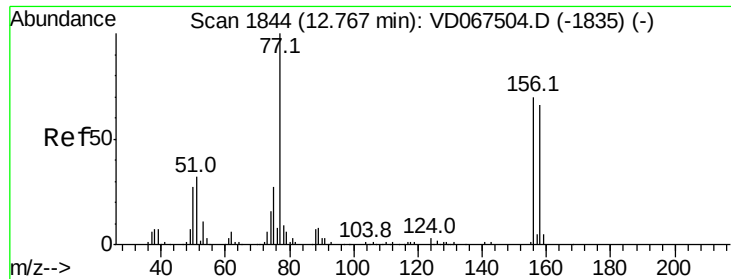
77 191.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 50.627 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

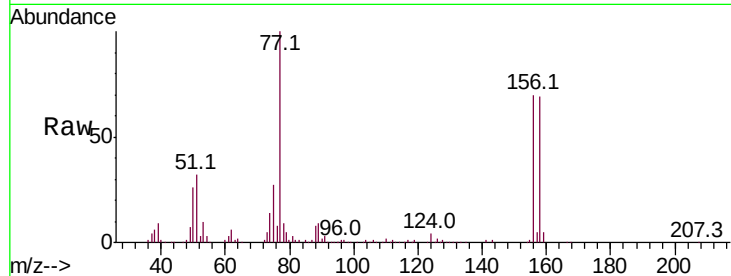
Tot Ion:156 Resp: 185710

Ion Ratio Lower Upper

156 100

77 157.1 77.8 233.5

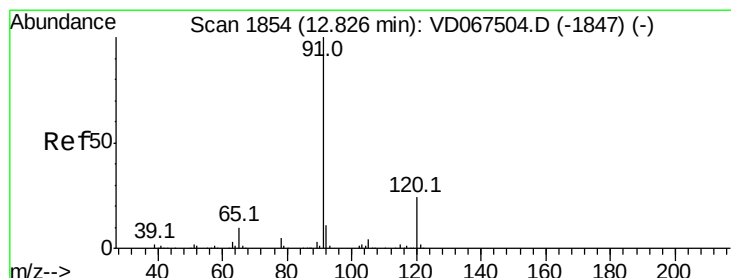
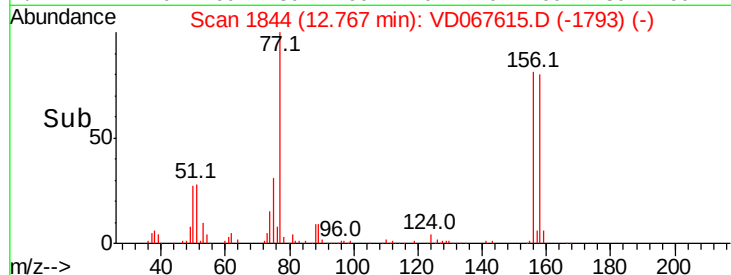
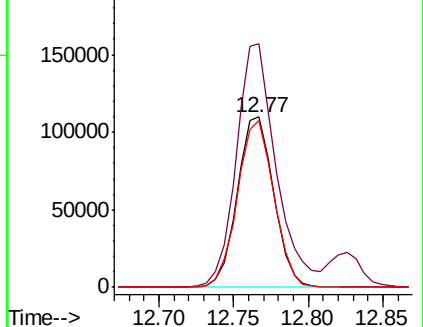
158 97.8 47.9 143.7



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: 52.621 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067615.D

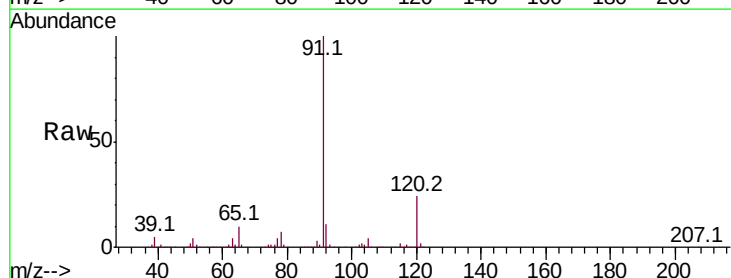
Acq: 12 Nov 2020 09:51

Tgt Ion: 91 Resp: 898999

Ion Ratio Lower Upper

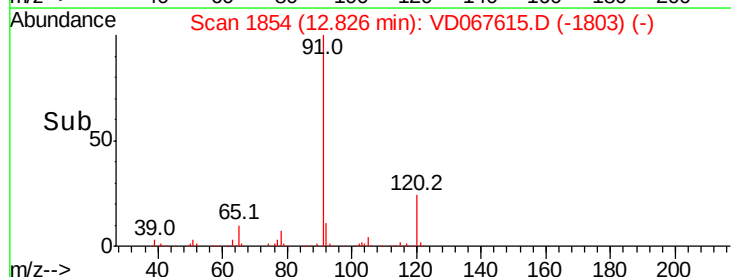
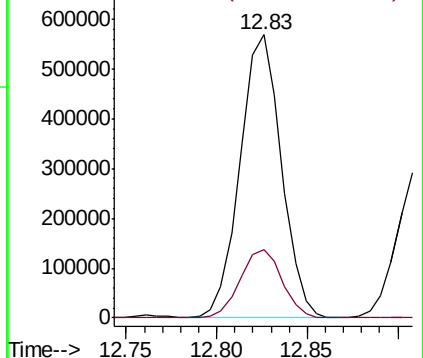
91 100

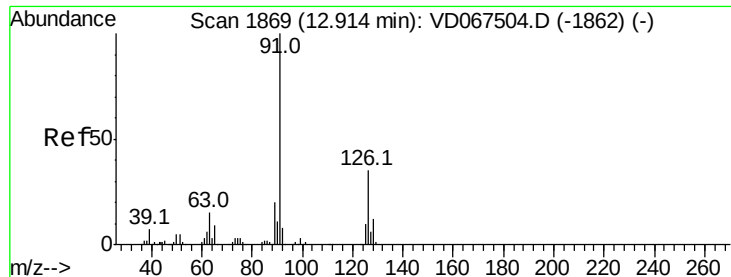
120 24.4 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

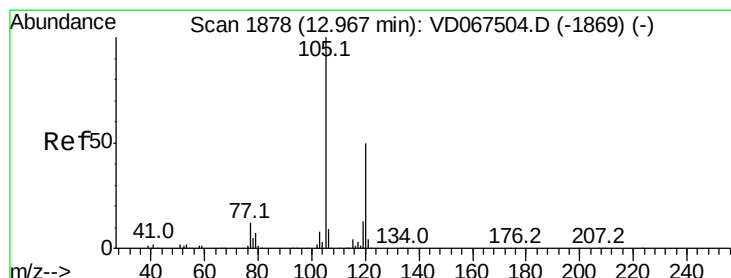
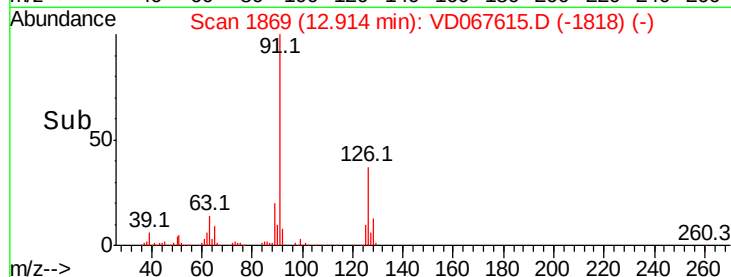
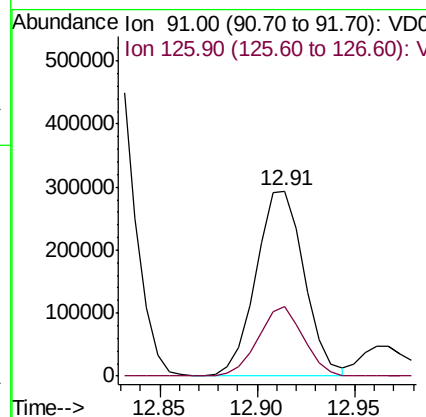
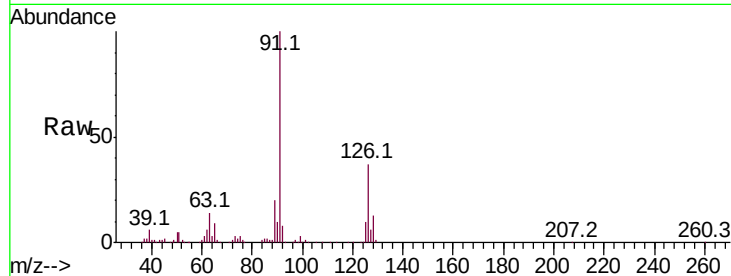




#79
 2-Chlorotoluene
 Concen: 51.802 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

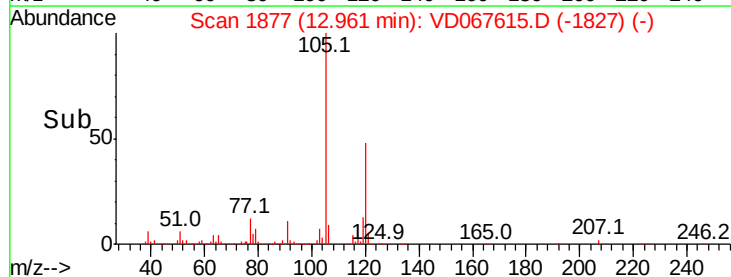
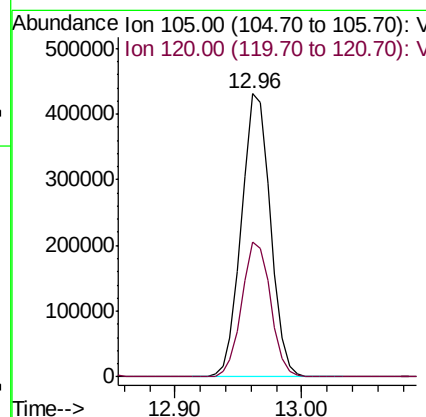
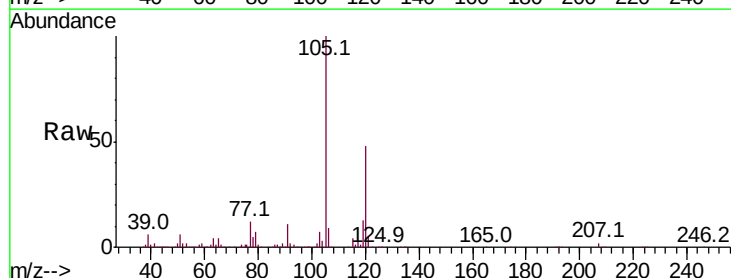
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

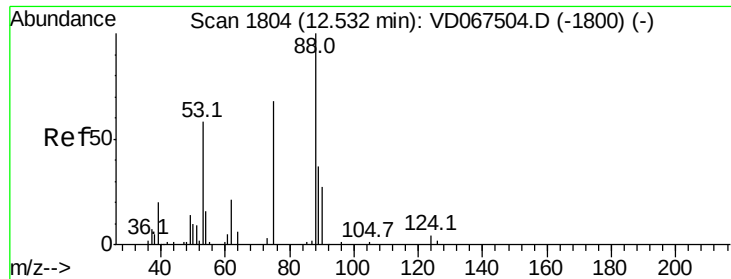
Tot Ion: 91 Resp: 502727
 Ion Ratio Lower Upper
 91 100
 126 35.4 17.8 53.4



#80
 1,3,5-Trimethylbenzene
 Concen: 53.227 ug/l
 RT: 12.96 min Scan# 1877
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion:105 Resp: 679144
 Ion Ratio Lower Upper
 105 100
 120 47.4 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 53.036 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

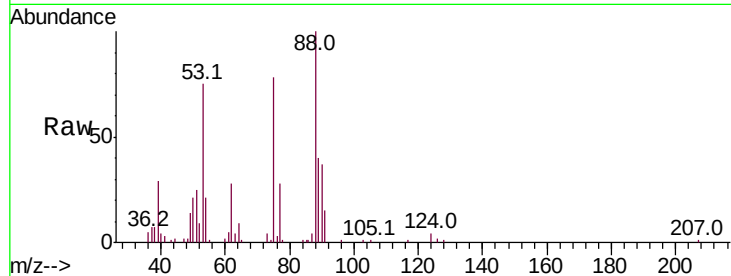
Tot Ion: 75 Resp: 36420

Ion Ratio Lower Upper

75 100

53 91.7 75.9 113.9

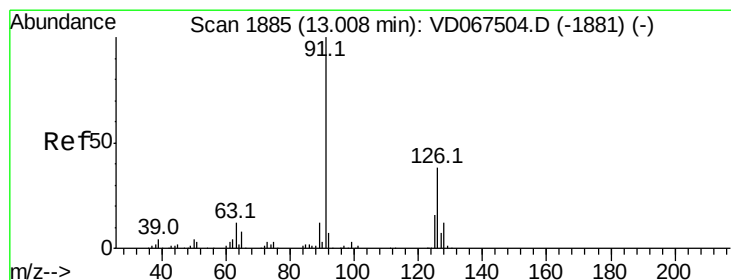
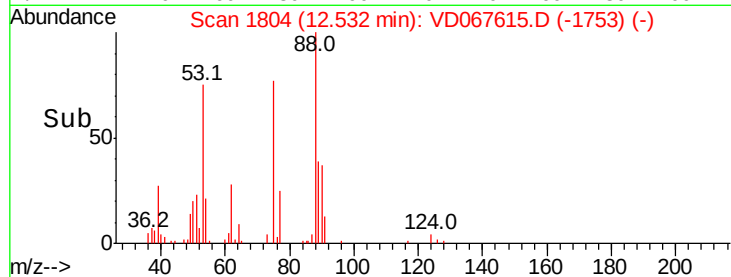
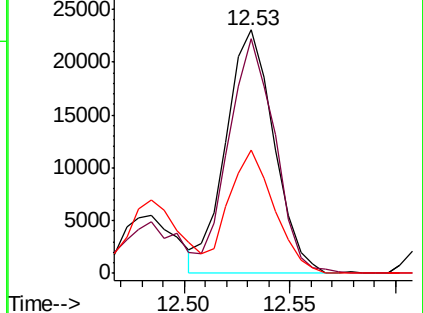
89 48.2 44.6 67.0



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: 51.766 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067615.D

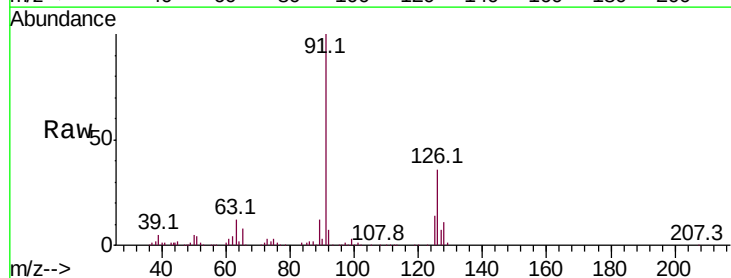
Acq: 12 Nov 2020 09:51

Tgt Ion: 91 Resp: 538800

Ion Ratio Lower Upper

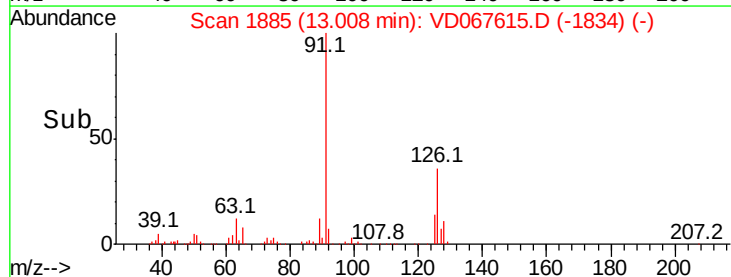
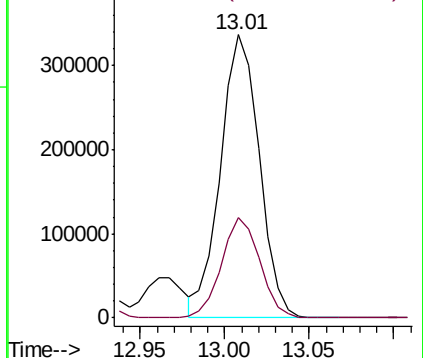
91 100

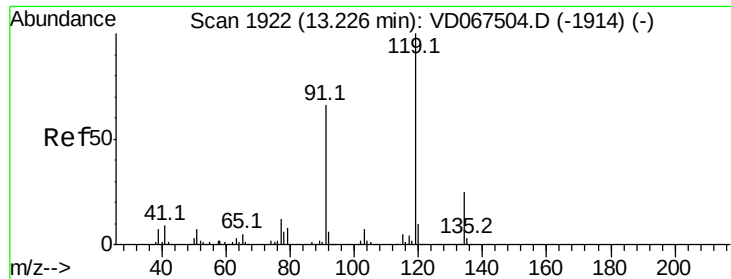
126 35.0 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 54.220 ug/l

RT: 13.23 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

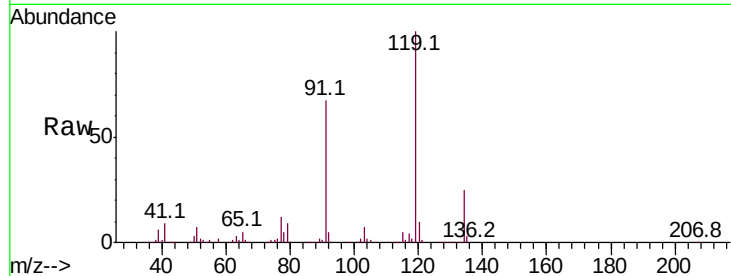
Tot Ion:119 Resp: 586318

Ion Ratio Lower Upper

119 100

91 64.4 32.7 98.1

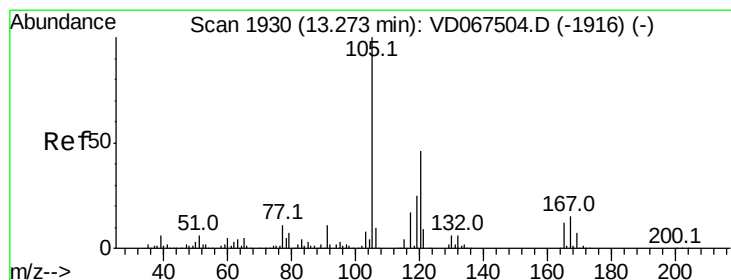
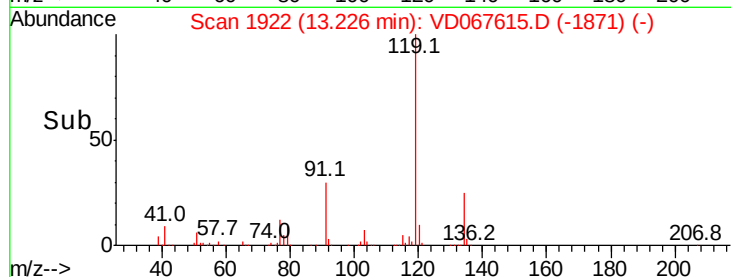
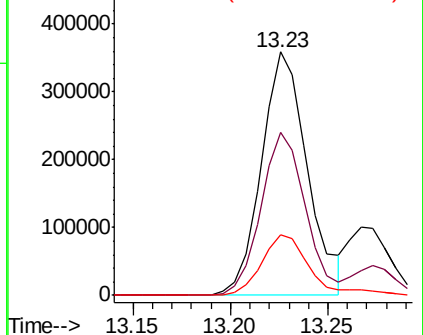
134 26.4 13.4 40.2



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 52.777 ug/l

RT: 13.27 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VD067615.D

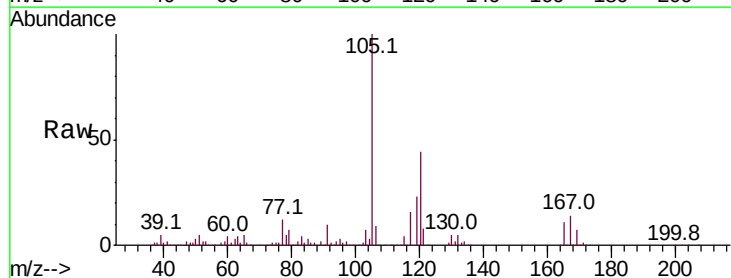
Acq: 12 Nov 2020 09:51

Tgt Ion:105 Resp: 670302

Ion Ratio Lower Upper

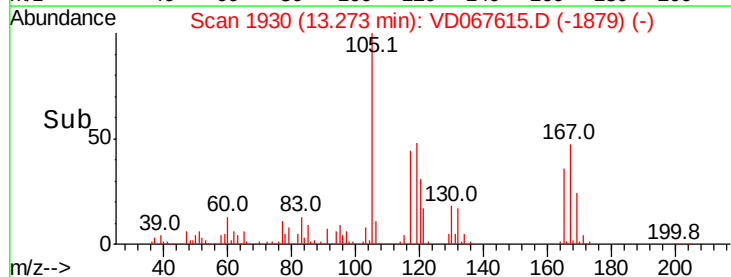
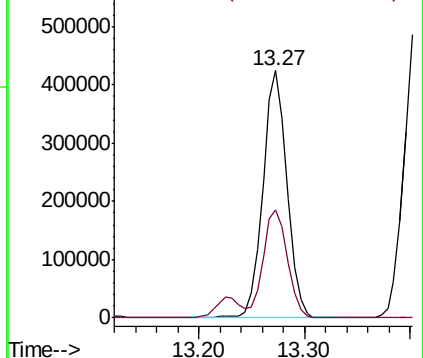
105 100

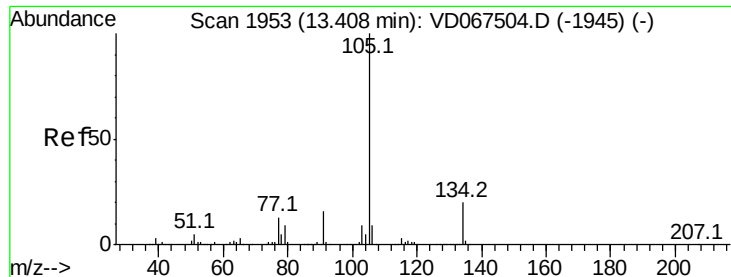
120 44.5 22.1 66.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 52.751 ug/l

RT: 13.40 min Scan# 1952

Delta R.T. -0.01 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

Instrument :

MSVOA_D

ClientSampleId :

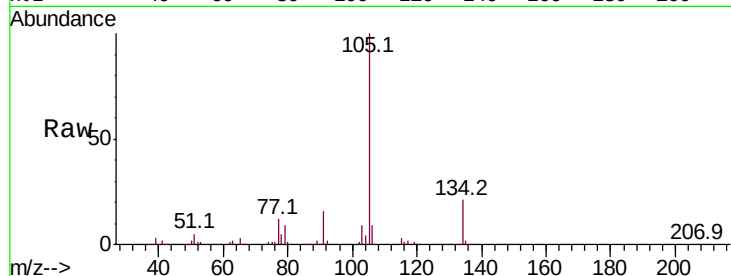
VSTDCCC050

Tot Ion:105 Resp: 770051

Ion Ratio Lower Upper

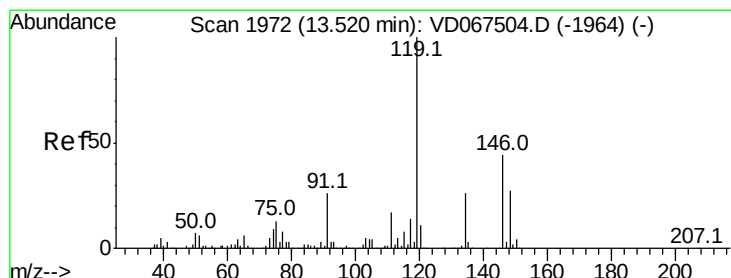
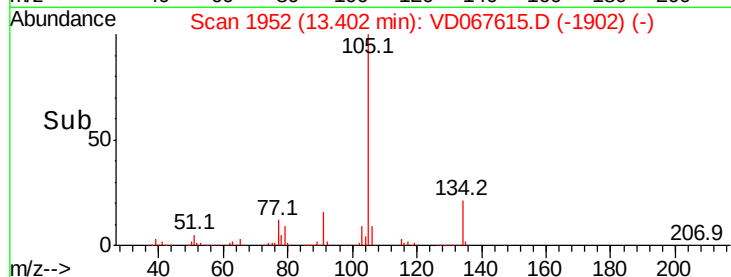
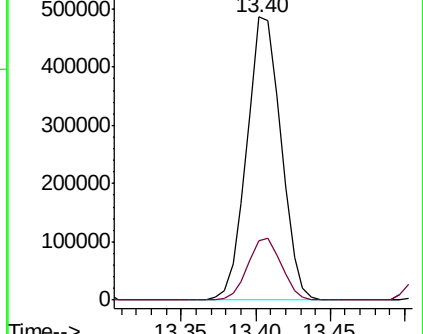
105 100

134 21.7 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 52.921 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067615.D

Acq: 12 Nov 2020 09:51

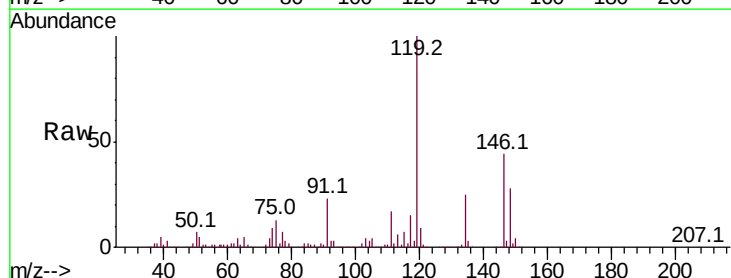
Tgt Ion:119 Resp: 746007

Ion Ratio Lower Upper

119 100

134 25.9 13.1 39.3

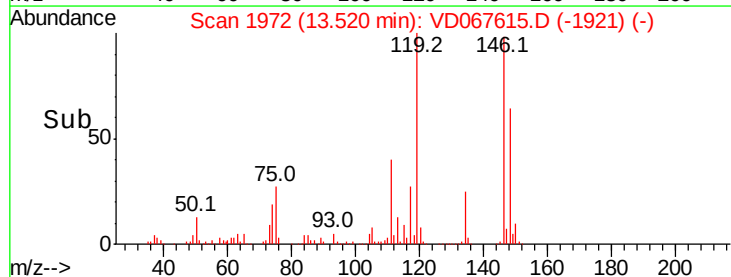
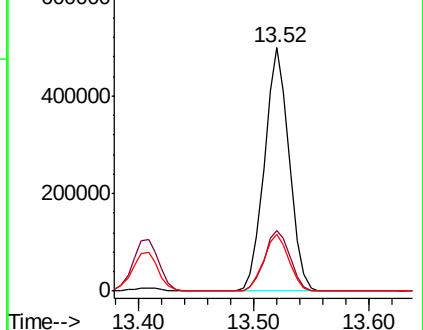
91 23.9 12.2 36.4

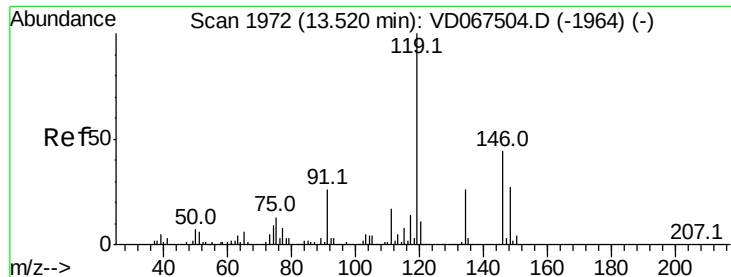


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

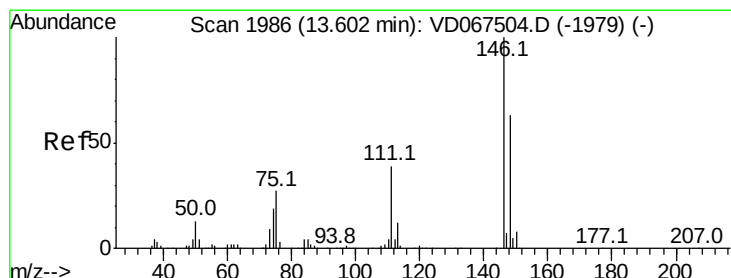
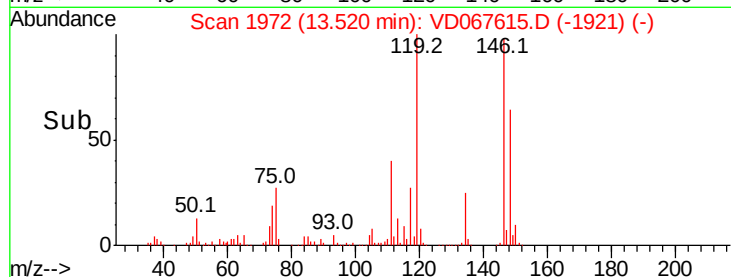
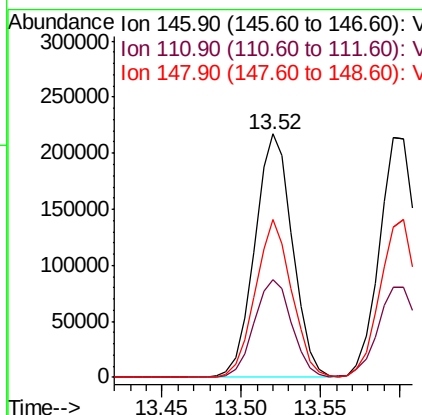
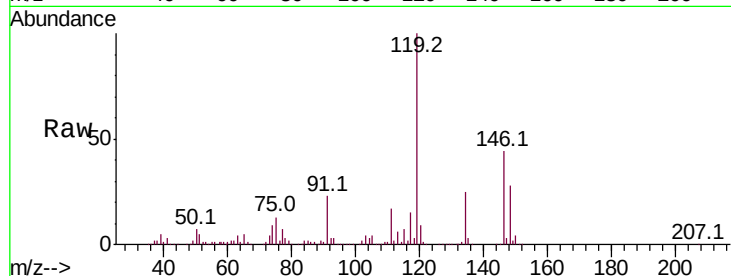




#87
 1,3-Dichlorobenzene
 Concen: 51.190 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

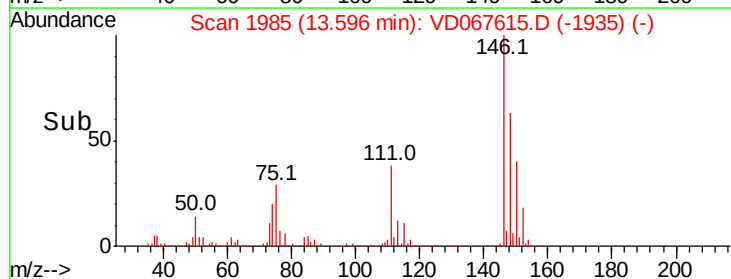
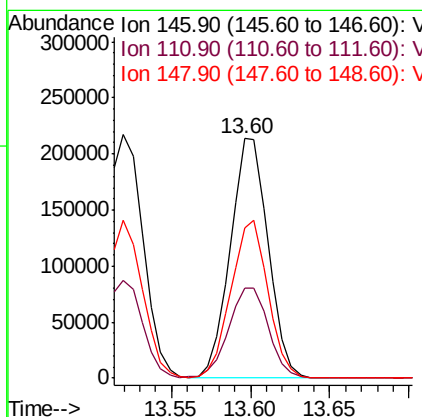
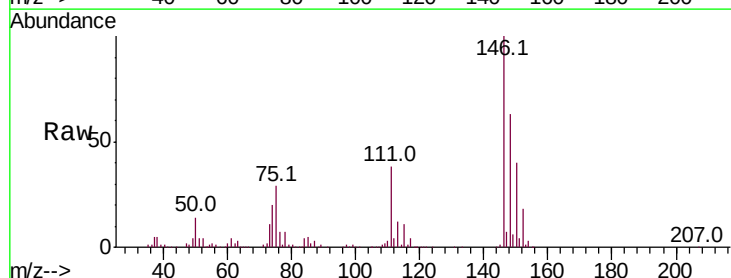
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

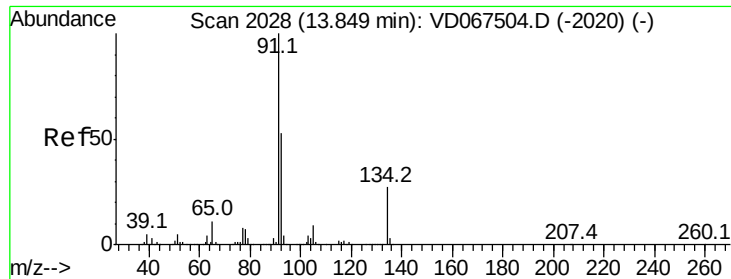
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.2	20.3	60.8
148	62.8	31.9	95.9



#88
 1,4-Dichlorobenzene
 Concen: 49.957 ug/l
 RT: 13.60 min Scan# 1985
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.6	58.7
148	64.6	31.8	95.4

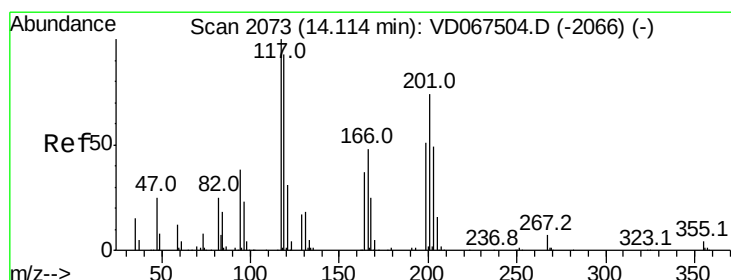
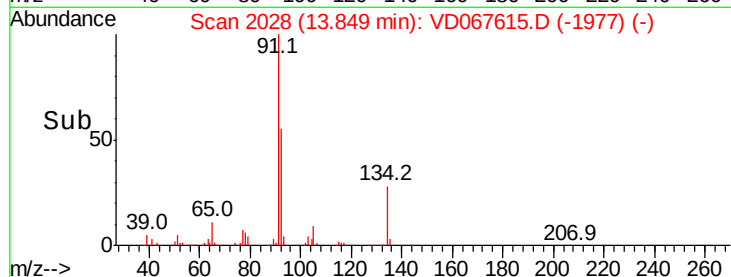
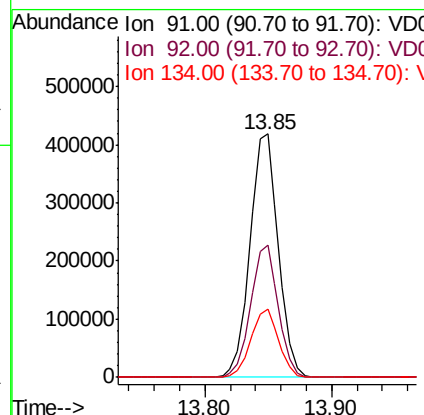
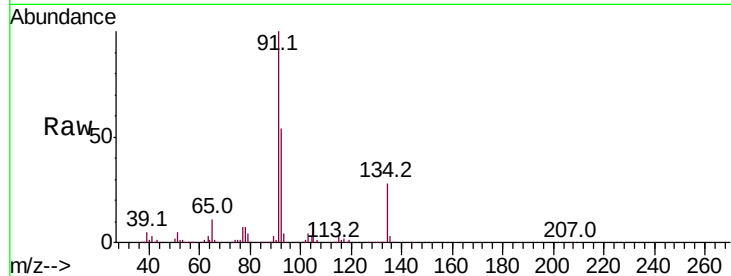




#89
n-Butylbenzene
Concen: 53.205 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

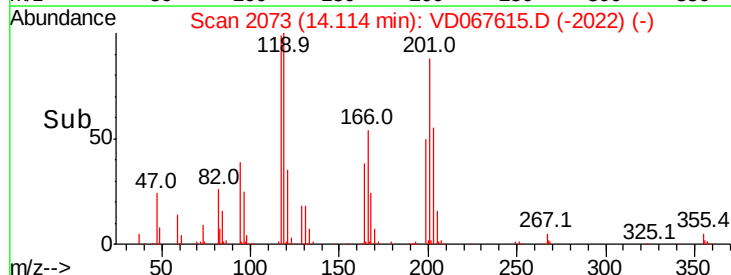
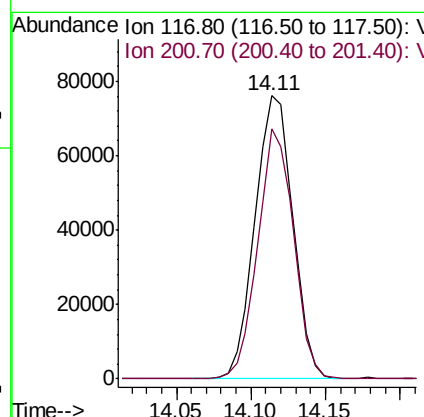
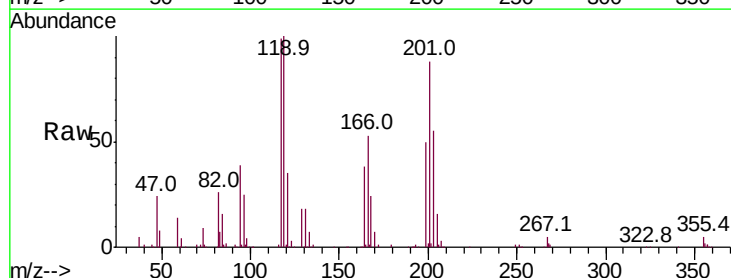
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

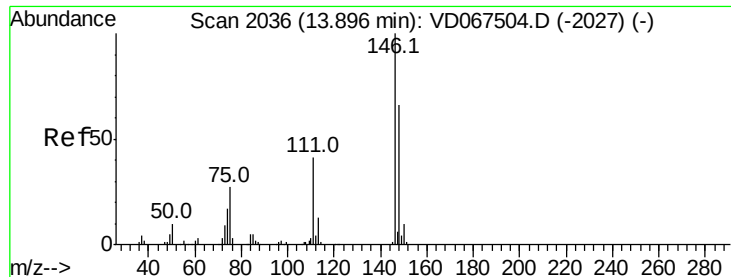
Tot Ion: 91 Resp: 647838
Ion Ratio Lower Upper
91 100
92 52.9 26.6 79.8
134 27.4 14.1 42.2



#90
Hexachloroethane
Concen: 50.329 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion: 117 Resp: 133606
Ion Ratio Lower Upper
117 100
201 83.5 40.7 122.1

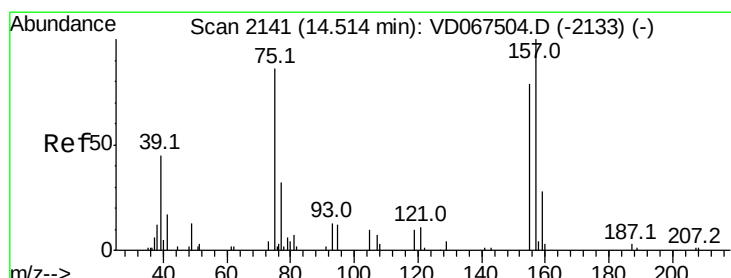
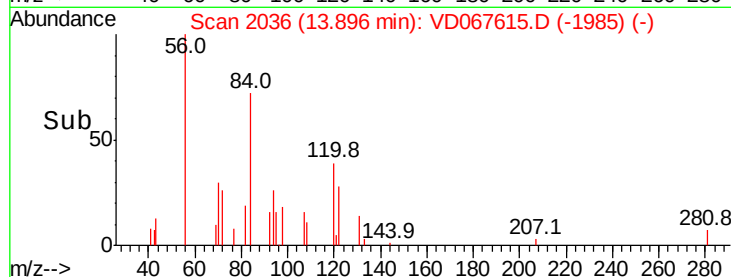
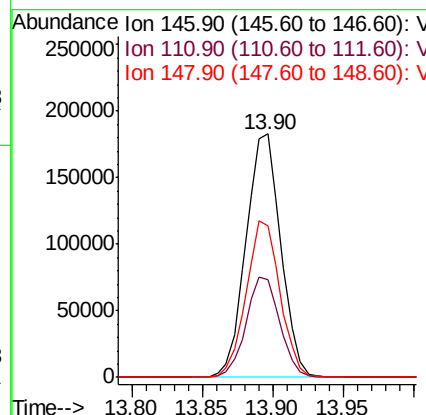
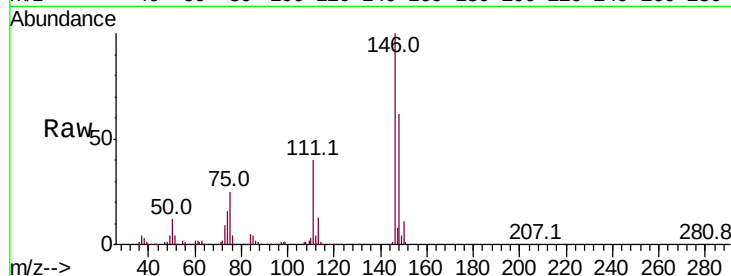




#91
 1,2-Dichlorobenzene
 Concen: 52.160 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

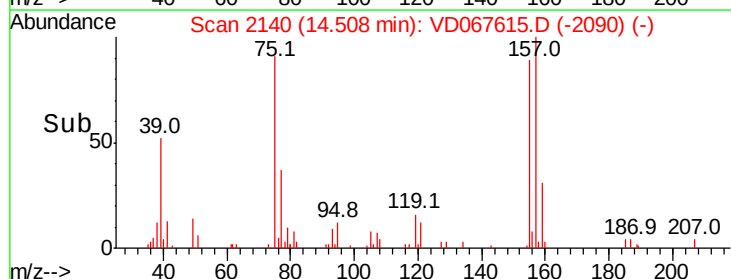
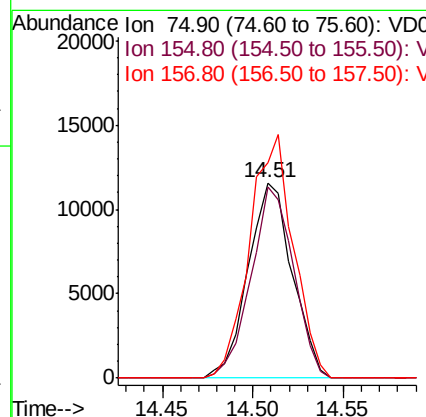
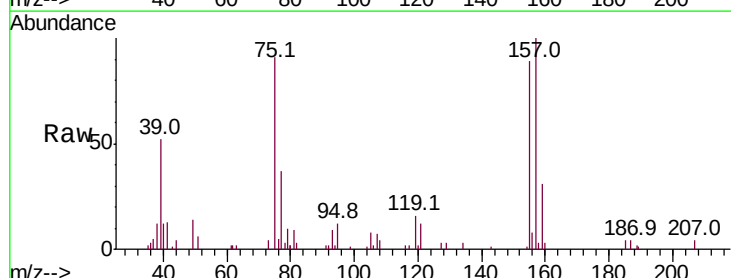
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

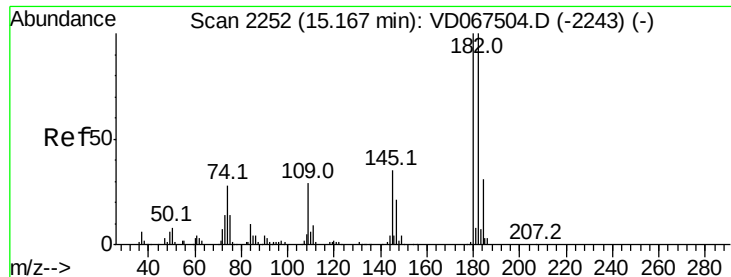
Tot Ion:146 Resp: 315969
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.7 62.1
 148 62.6 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 54.557 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion: 75 Resp: 19674
 Ion Ratio Lower Upper
 75 100
 155 94.1 46.6 139.8
 157 122.8 58.1 174.2

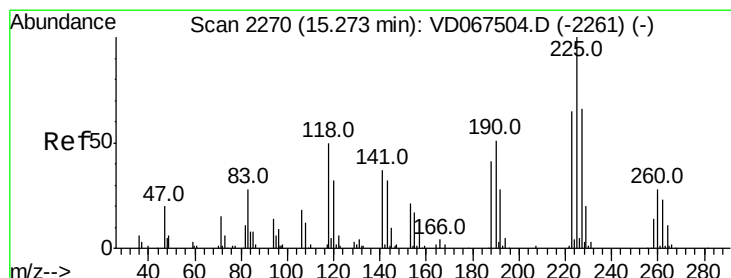
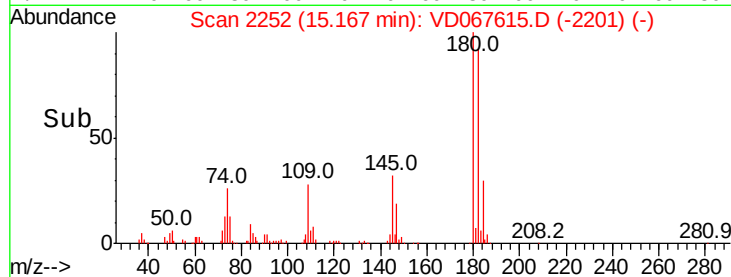
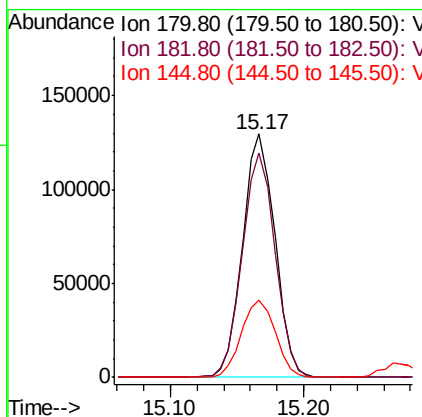
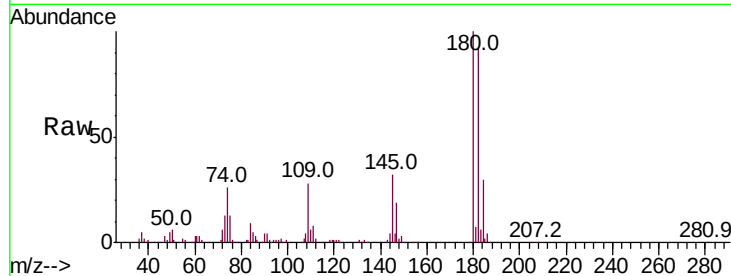




#93
 1,2,4-Trichlorobenzene
 Concen: 52.746 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

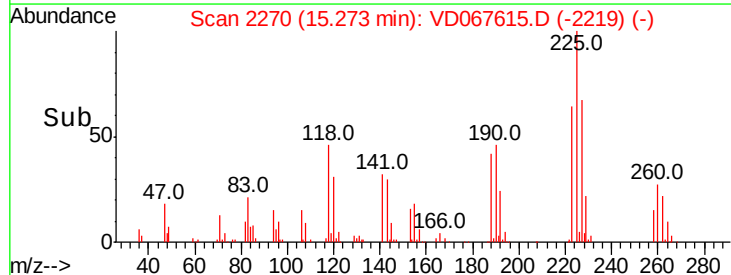
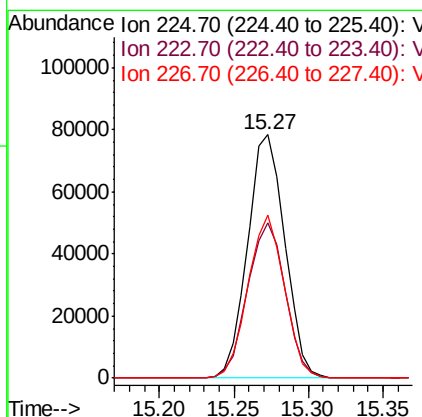
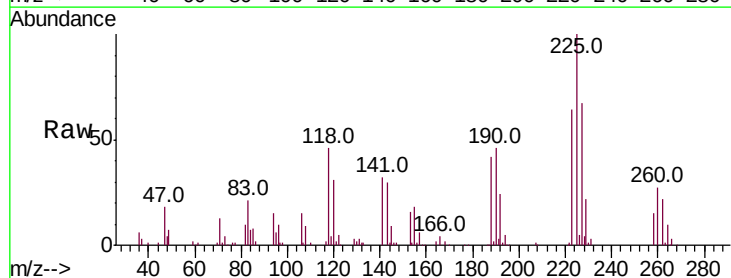
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

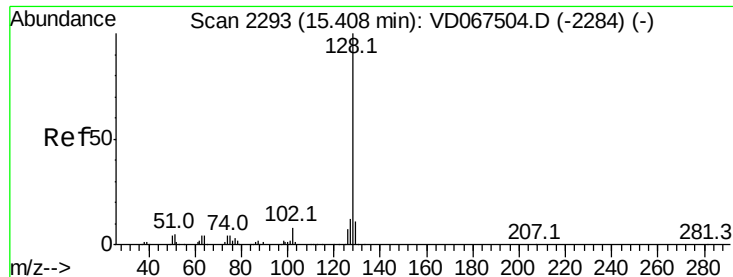
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.5	47.4	142.3
145	33.3	16.2	48.6



#94
 Hexachlorobutadiene
 Concen: 49.109 ug/l
 RT: 15.27 min Scan# 2270
 Delta R.T. -0.00 min
 Lab File: VD067615.D
 Acq: 12 Nov 2020 09:51

Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.7	31.9	95.5
227	65.6	32.5	97.4

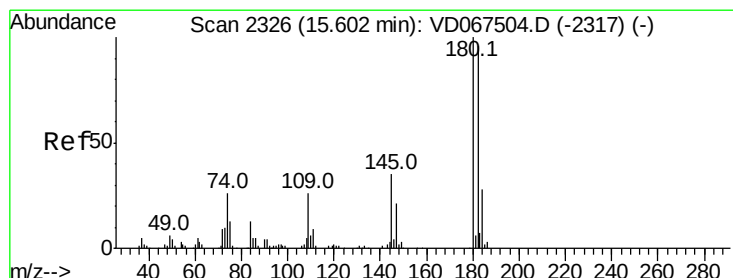
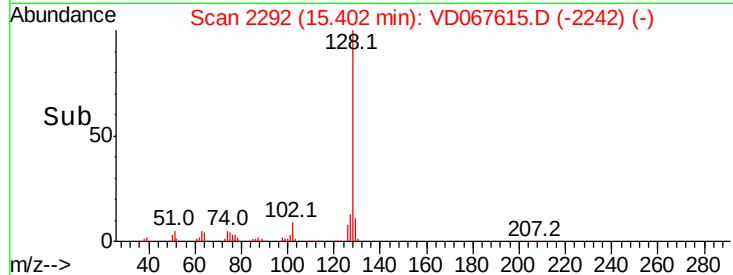
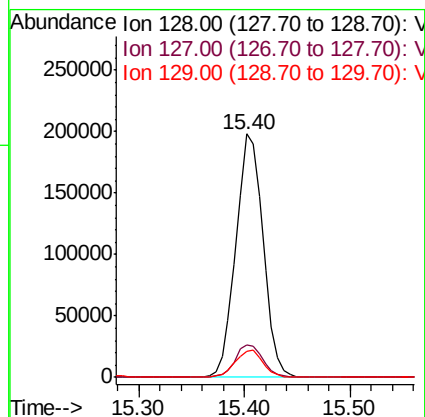
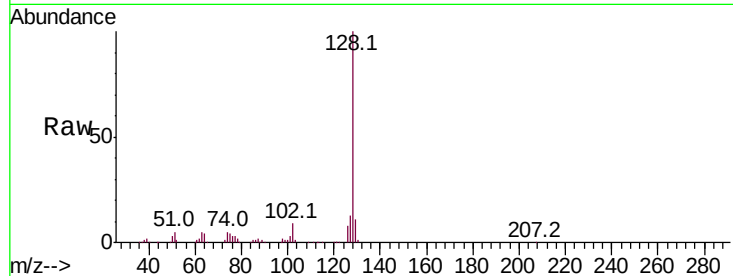




#95
Naphthalene
Concen: 55.524 ug/l
RT: 15.40 min Scan# 2292
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 352299
Ion Ratio Lower Upper
128 100
127 13.5 10.2 15.4
129 11.2 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 53.457 ug/l
RT: 15.60 min Scan# 2325
Delta R.T. -0.01 min
Lab File: VD067615.D
Acq: 12 Nov 2020 09:51

Tgt Ion:180 Resp: 188212
Ion Ratio Lower Upper
180 100
182 93.6 46.9 140.8
145 33.4 17.1 51.2

