

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110620\
 Data File : VD067544.D
 Acq On : 06 Nov 2020 09:41
 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 06 23:27:46 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	334208	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	467576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	424631	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215183	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.34	65	132325	45.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.56%	
35) Dibromofluoromethane	7.91	113	136169	48.34	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.68%	
50) Toluene-d8	10.34	98	477141	48.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.40%	
62) 4-Bromofluorobenzene	12.64	95	171305	50.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.24%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.99	85	135891	50.254	ug/l	98
3) Chloromethane	2.21	50	90137	43.310	ug/l	94
4) Vinyl Chloride	2.35	62	104336	44.966	ug/l	98
5) Bromomethane	2.77	94	83730	44.521	ug/l	100
6) Chloroethane	2.93	64	64319	44.962	ug/l	100
7) Trichlorofluoromethane	3.27	101	288012	47.939	ug/l	95
8) Diethyl Ether	3.70	74	56870	46.978	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	4.10	101	148862	49.087	ug/l	97
10) Methyl Iodide	4.30	142	156015	48.000	ug/l	98
11) Tert butyl alcohol	5.21	59	36317	291.759	ug/l #	95
12) 1,1-Dichloroethene	4.07	96	134460	48.203	ug/l	95
13) Acrolein	3.93	56	32606	251.226	ug/l	99
14) Allyl chloride	4.71	41	138684	46.454	ug/l	100
15) Acrylonitrile	5.41	53	105689	236.178	ug/l	97
16) Acetone	4.16	43	121167	277.078	ug/l	89
17) Carbon Disulfide	4.41	76	395110	46.224	ug/l	100
18) Methyl Acetate	4.71	43	41567	45.998	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	273791	49.760	ug/l	99
20) Methylene Chloride	4.96	84	143339	46.402	ug/l	98
21) trans-1,2-Dichloroethene	5.47	96	153512	47.249	ug/l	97
22) Diisopropyl ether	6.36	45	283849	48.790	ug/l	97
23) Vinyl Acetate	6.30	43	781835	256.733	ug/l	99
24) 1,1-Dichloroethane	6.27	63	228258	47.959	ug/l	97
25) 2-Butanone	7.21	43	117093	250.590	ug/l	100
26) 2,2-Dichloropropane	7.21	77	246793	49.131	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	163918	48.607	ug/l	98
28) Bromochloromethane	7.55	49	81875	48.362	ug/l	96
29) Tetrahydrofuran	7.56	42	73004	260.825	ug/l	98
30) Chloroform	7.71	83	279902	49.295	ug/l	99
31) Cyclohexane	7.98	56	192618	45.446	ug/l #	96
32) 1,1,1-Trichloroethane	7.90	97	285503	48.733	ug/l	99
36) 1,1-Dichloropropene	8.11	75	204952	51.208	ug/l	99
37) Ethyl Acetate	7.29	43	54010	51.978	ug/l	98
38) Carbon Tetrachloride	8.10	117	273783	52.649	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	239111	50.759	ug/l	94
40) Benzene	8.36	78	560872	51.734	ug/l	99
41) Methacrylonitrile	7.56	41	78732	126.760	ug/l #	35
42) 1,2-Dichloroethane	8.43	62	169303	50.543	ug/l	99
43) Isopropyl Acetate	8.46	43	106374	51.764	ug/l	99
44) Trichloroethene	9.11	130	181333	50.868	ug/l	92
45) 1,2-Dichloropropane	9.39	63	121341	51.767	ug/l	97
46) Dibromomethane	9.48	93	75781	50.847	ug/l	96
47) Bromodichloromethane	9.66	83	210988	52.085	ug/l	98
48) Methyl methacrylate	9.46	41	52074	49.078	ug/l	93
49) 1,4-Dioxane	9.46	88	15300	1011.241	ug/l	95
51) 4-Methyl-2-Pentanone	10.23	43	268082	272.771	ug/l	100
52) Toluene	10.41	92	388700	53.528	ug/l	97
53) t-1,3-Dichloropropene	10.63	75	186869	53.862	ug/l	92
54) cis-1,3-Dichloropropene	10.09	75	211115	51.216	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	102908	52.186	ug/l	96
56) Ethyl methacrylate	10.66	69	111794	54.899	ug/l	98
57) 1,3-Dichloropropane	10.95	76	164509	51.843	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.94	63	248589	261.776	ug/l	99
59) 2-Hexanone	10.98	43	202166	294.196	ug/l	98
60) Dibromochloromethane	11.14	129	154890	53.098	ug/l	100
61) 1,2-Dibromoethane	11.25	107	100274	50.666	ug/l	97
64) Tetrachloroethene	10.88	164	161545	51.369	ug/l	98
65) Chlorobenzene	11.67	112	420755	51.440	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.74	131	166595	51.676	ug/l	100
67) Ethyl Benzene	11.75	91	737371	52.681	ug/l	98
68) m/p-Xylenes	11.86	106	572043	105.051	ug/l	99
69) o-Xylene	12.18	106	253298	52.100	ug/l	99
70) Styrene	12.20	104	446552	52.711	ug/l	99
71) Bromoform	12.37	173	87812	53.408	ug/l #	100
73) Isopropylbenzene	12.48	105	720245	51.790	ug/l	99
74) N-amyl acetate	12.29	43	96787	52.891	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.73	83	98192	51.779	ug/l	97
76) 1,2,3-Trichloropropane	12.78	75	136511	105.162	ug/l #	100
77) Bromobenzene	12.77	156	175802	51.474	ug/l	98
78) n-propylbenzene	12.83	91	817991	51.423	ug/l	99
79) 2-Chlorotoluene	12.91	91	470010	52.015	ug/l	100
80) 1,3,5-Trimethylbenzene	12.96	105	623824	52.511	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.53	75	33242	51.991	ug/l	95
82) 4-Chlorotoluene	13.01	91	500292	51.624	ug/l	99
83) tert-Butylbenzene	13.23	119	532529	52.891	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	613385	51.870	ug/l	100
85) sec-Butylbenzene	13.41	105	695347	51.159	ug/l	100
86) p-Isopropyltoluene	13.52	119	669865	51.037	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	327025	50.180	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	327564	49.639	ug/l	100
89) n-Butylbenzene	13.85	91	573469	50.584	ug/l	99
90) Hexachloroethane	14.11	117	123334	49.899	ug/l	99
91) 1,2-Dichlorobenzene	13.89	146	281526	49.914	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	17840	53.133	ug/l	96

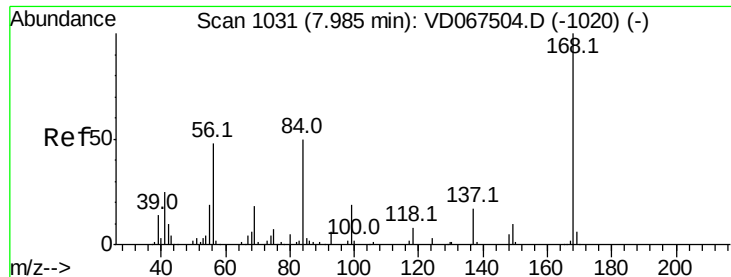
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	191942	50.140	ug/l	99
94) Hexachlorobutadiene	15.27	225	125963	49.165	ug/l	97
95) Naphthalene	15.40	128	315408	53.389	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	163678	49.930	ug/l	97

(#) = 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: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

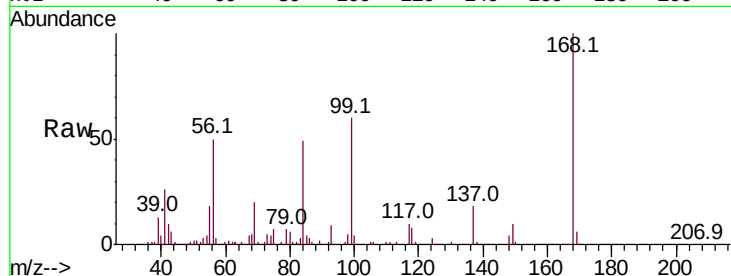
VSTDCCC050

Tot Ion:168 Resp: 334208

Ion Ratio Lower Upper

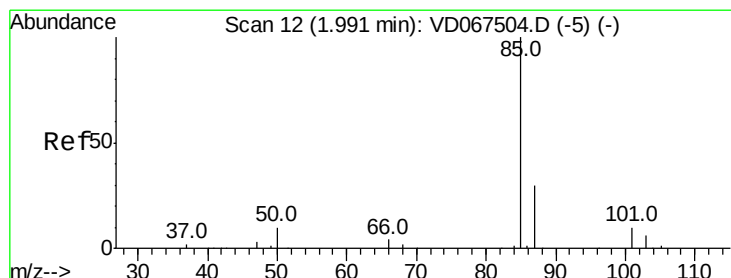
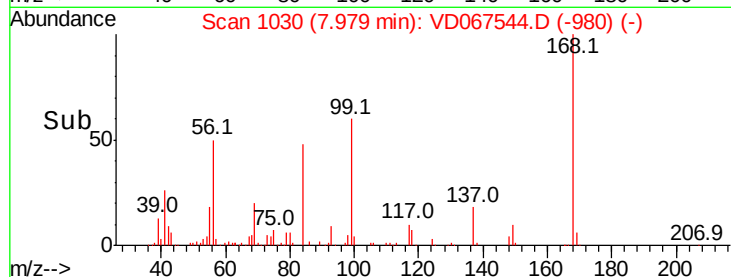
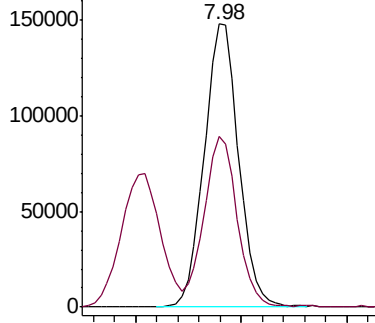
168 100

99 59.8 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: 50.254 ug/l

RT: 1.99 min Scan# 12

Delta R.T. -0.00 min

Lab File: VD067544.D

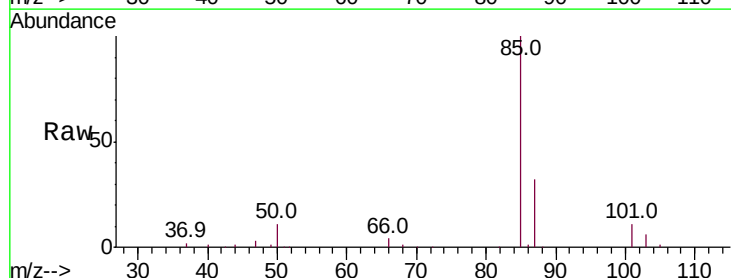
Acq: 06 Nov 2020 09:41

Tgt Ion: 85 Resp: 135891

Ion Ratio Lower Upper

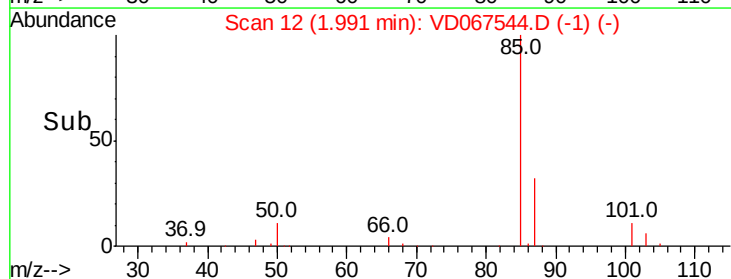
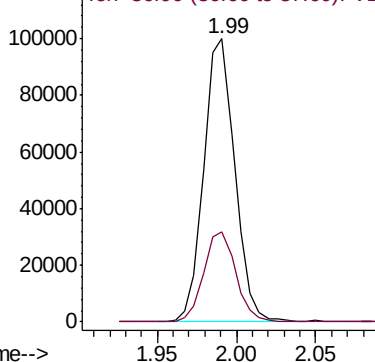
85 100

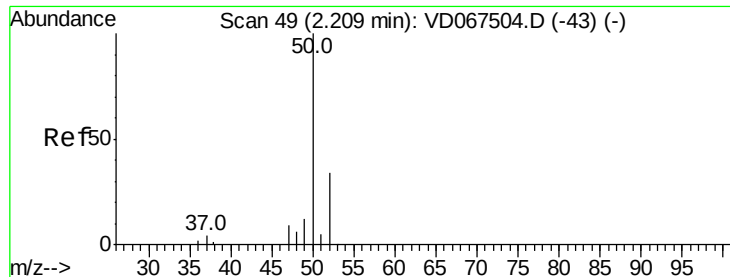
87 31.9 15.3 45.8



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC





#3

Chloromethane

Concen: 43.310 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

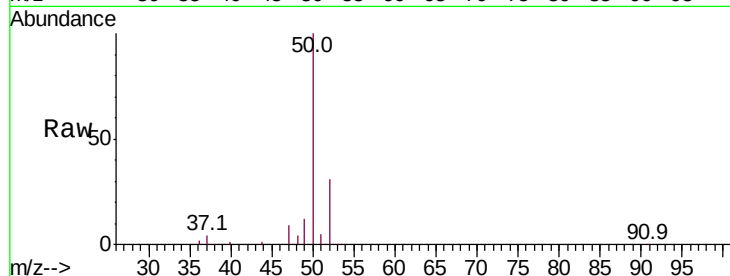
VSTDCCC050

Tot Ion: 50 Resp: 90137

Ion Ratio Lower Upper

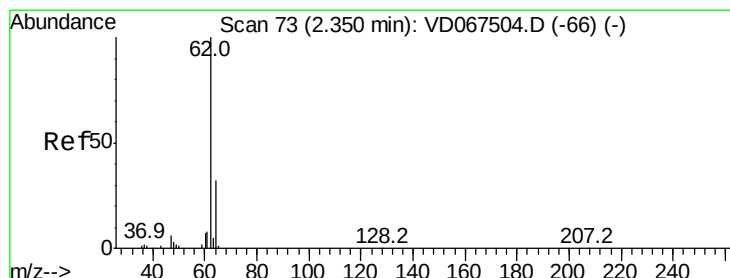
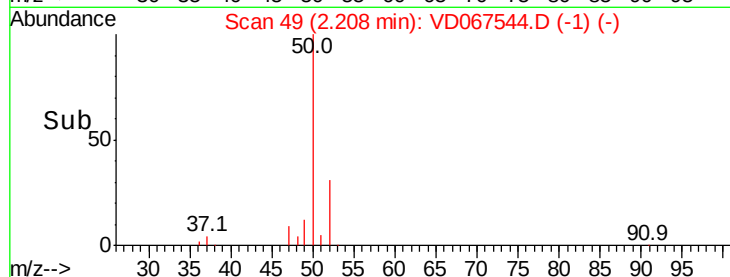
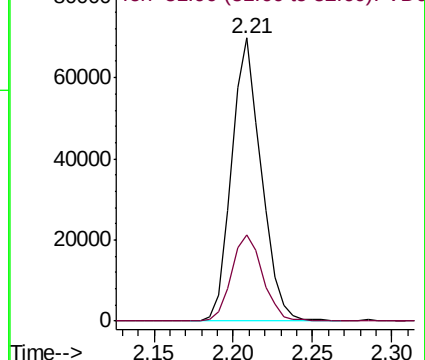
50 100

52 30.6 27.3 40.9



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.966 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067544.D

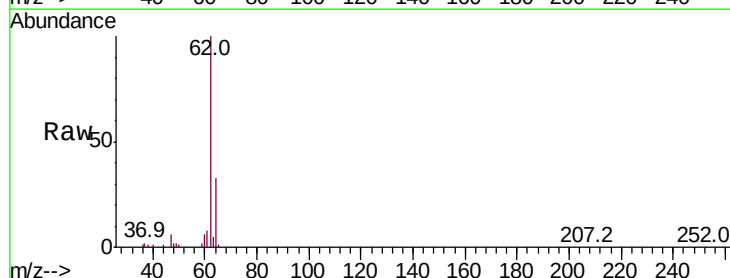
Acq: 06 Nov 2020 09:41

Tgt Ion: 62 Resp: 104336

Ion Ratio Lower Upper

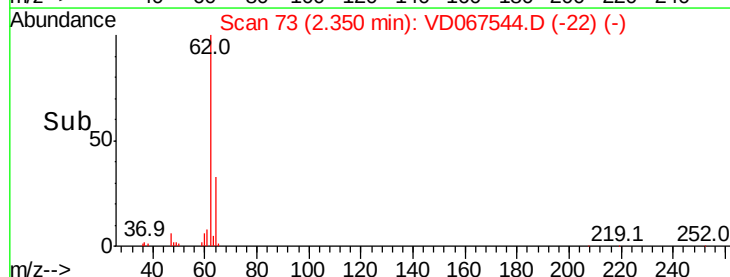
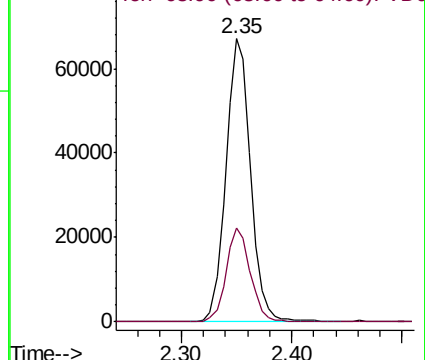
62 100

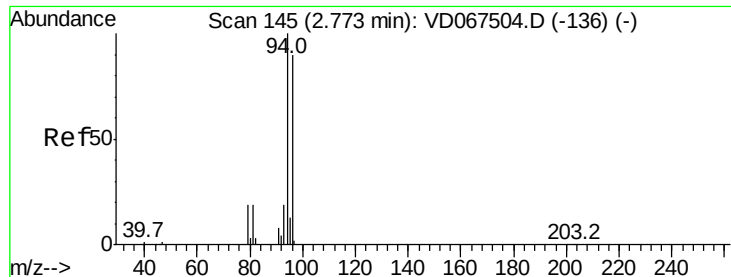
64 33.0 25.6 38.4



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 44.521 ug/l

RT: 2.77 min Scan# 145

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

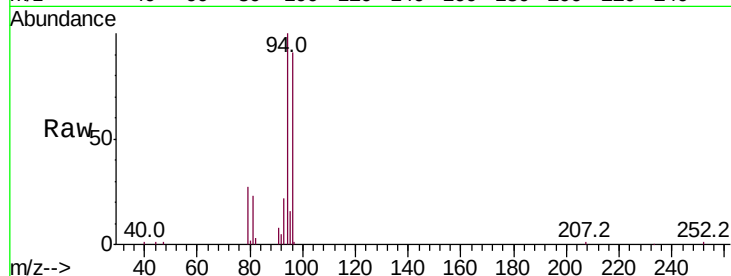
VSTDCCC050

Tot Ion: 94 Resp: 83730

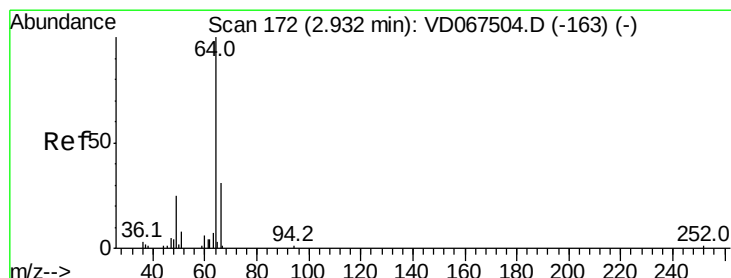
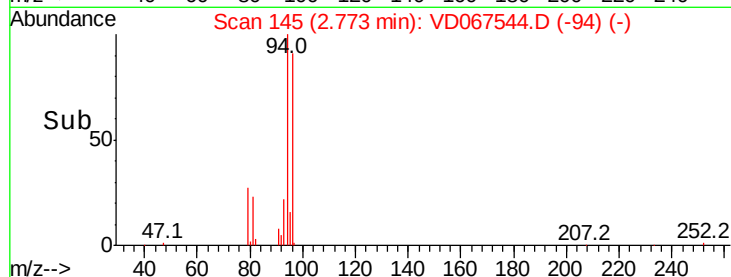
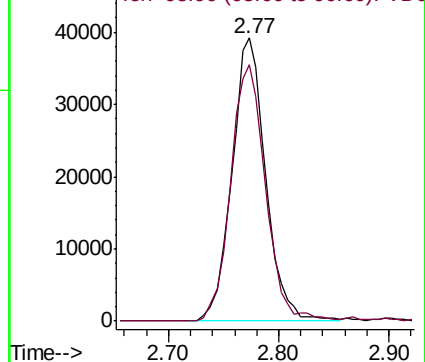
Ion Ratio Lower Upper

94 100

96 90.2 72.2 108.2



Abundance Ion 93.90 (93.60 to 94.60): VDC
Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 44.962 ug/l

RT: 2.93 min Scan# 171

Delta R.T. -0.01 min

Lab File: VD067544.D

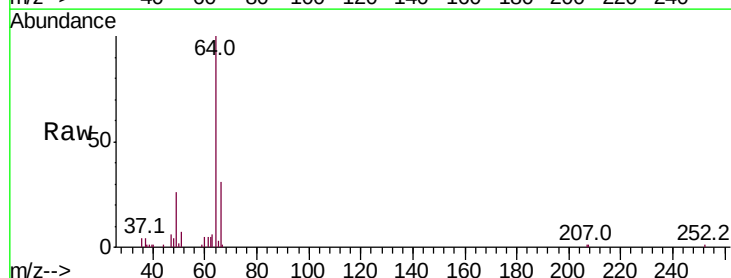
Acq: 06 Nov 2020 09:41

Tgt Ion: 64 Resp: 64319

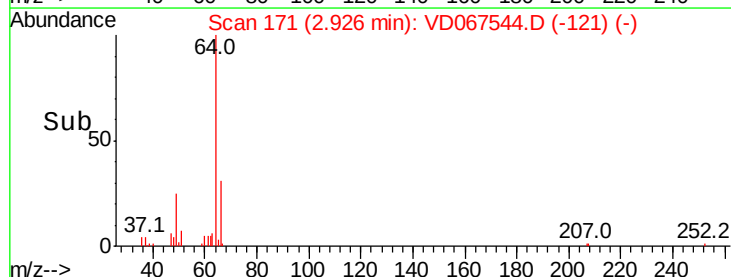
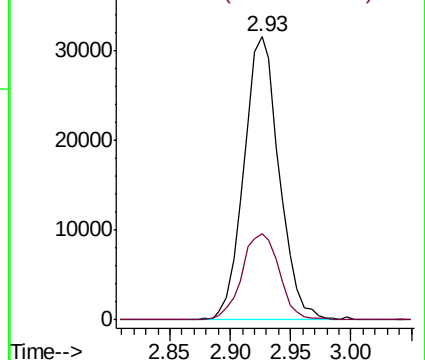
Ion Ratio Lower Upper

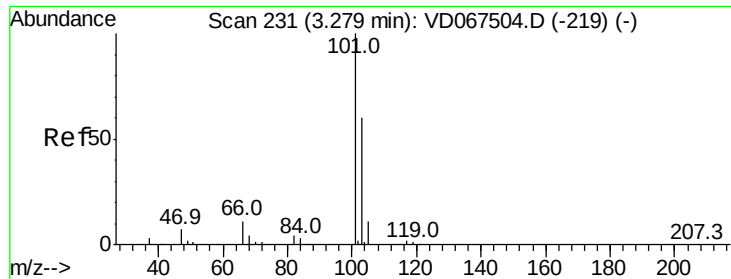
64 100

66 30.6 24.6 36.8



Abundance Ion 63.90 (63.60 to 64.60): VDC
Ion 65.90 (65.60 to 66.60): VDC



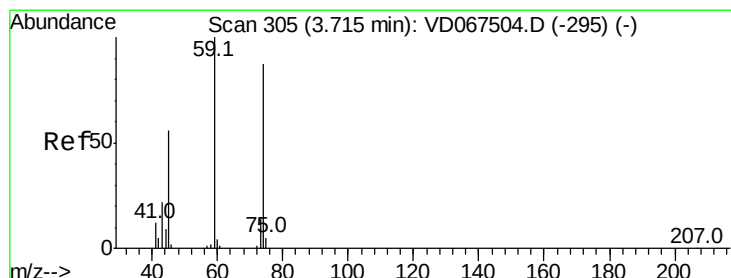
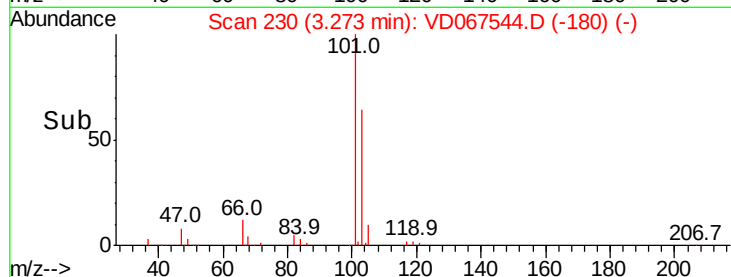
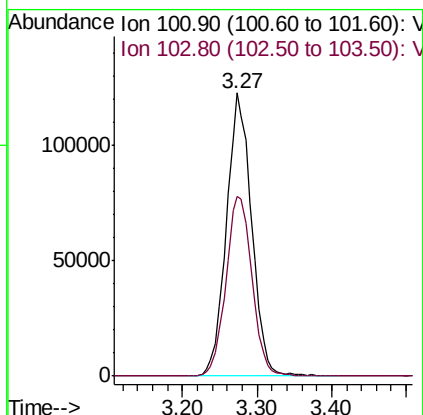
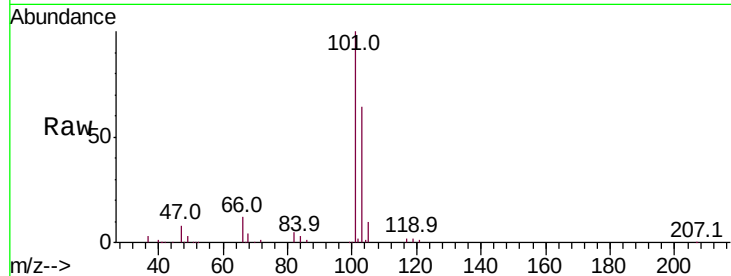


#7

Trichlorofluoromethane
Concen: 47.939 ug/l
RT: 3.27 min Scan# 230
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

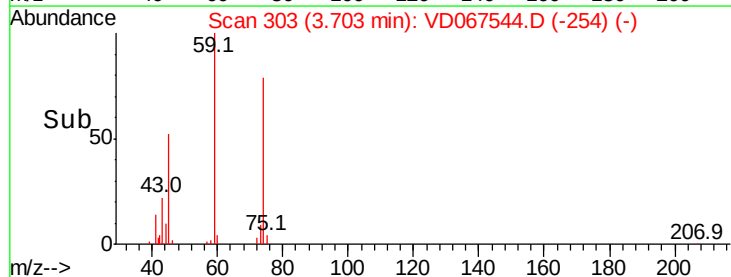
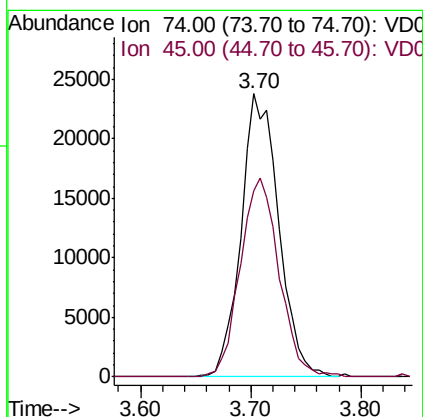
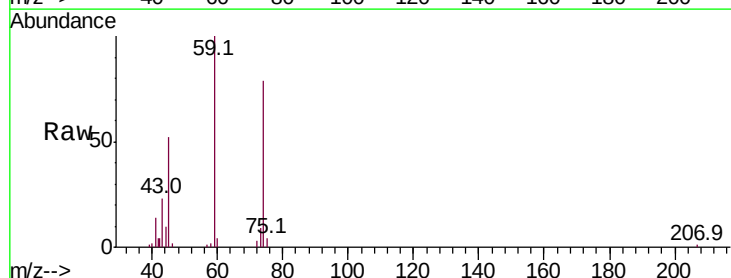
Tot Ion:101 Resp: 288012
Ion Ratio Lower Upper
101 100
103 63.6 48.1 72.1

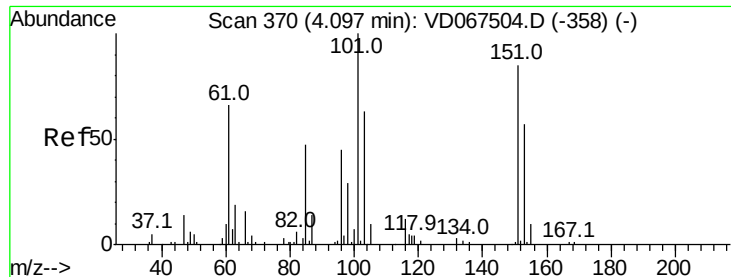


#8

Diethyl Ether
Concen: 46.978 ug/l
RT: 3.70 min Scan# 303
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 74 Resp: 56870
Ion Ratio Lower Upper
74 100
45 72.6 38.2 114.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.087 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

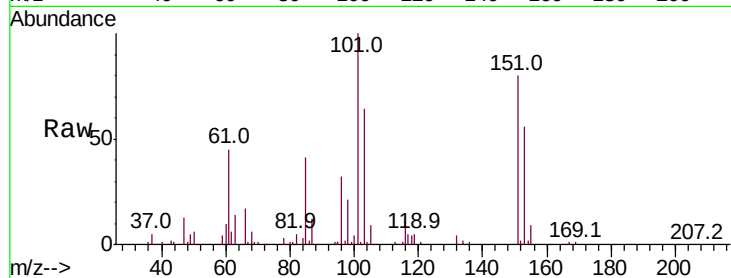
Tot Ion:101 Resp: 148862

Ion Ratio Lower Upper

101 100

85 42.1 34.4 51.6

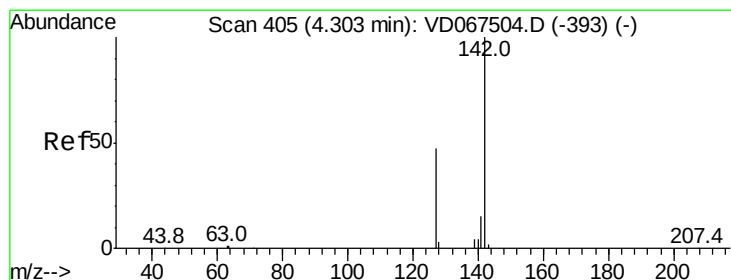
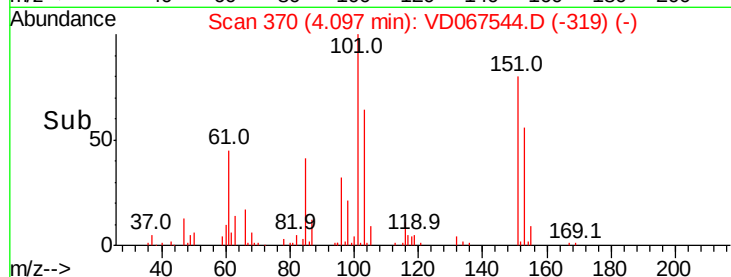
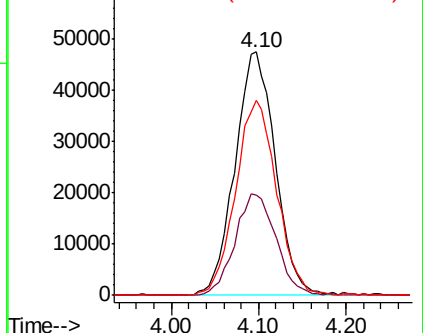
151 81.3 68.1 102.1



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 48.000 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

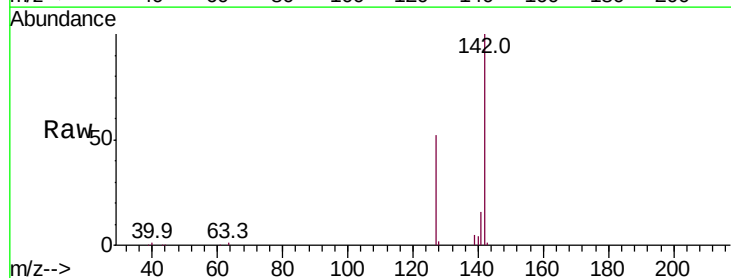
Tgt Ion:142 Resp: 156015

Ion Ratio Lower Upper

142 100

127 51.4 40.0 60.0

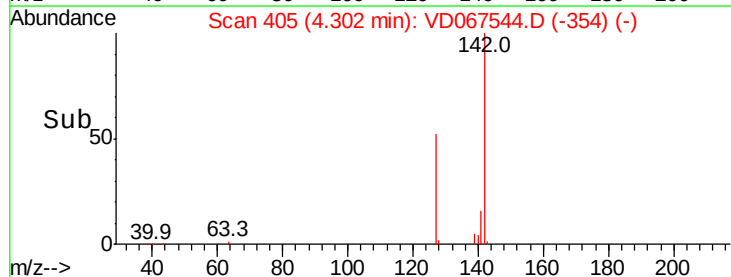
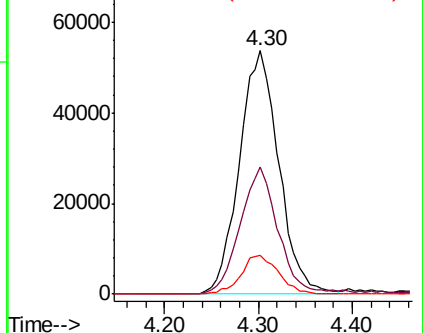
141 15.3 11.7 17.5

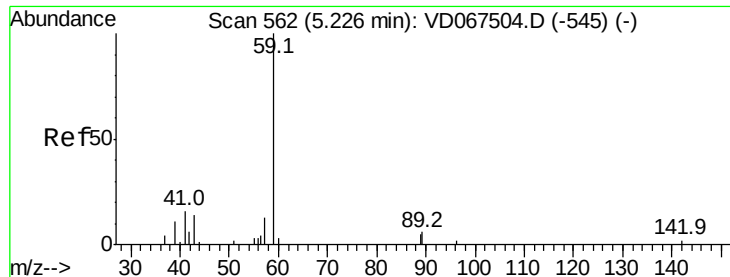


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 291.759 ug/l

RT: 5.21 min Scan# 559

Delta R.T. -0.02 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

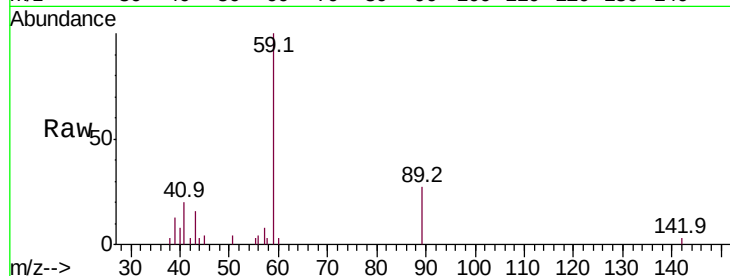
VSTDCCC050

Tot Ion: 59 Resp: 36317

Ion Ratio Lower Upper

59 100

57 9.3 5.9 8.9#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

5.21

10000

8000

6000

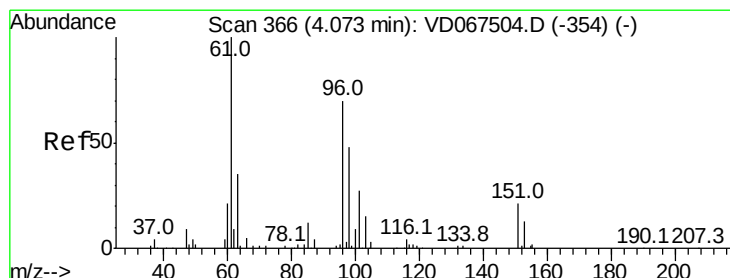
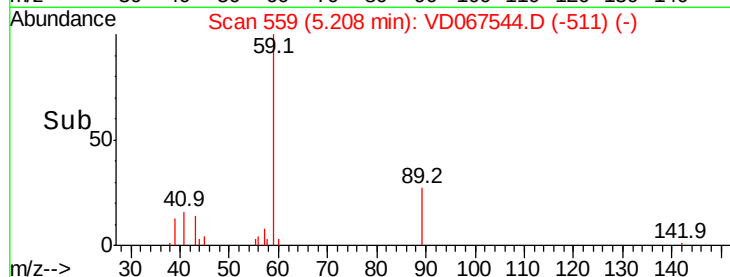
4000

2000

0

Time-->

5.10 5.20 5.30



#12

1,1-Dichloroethene

Concen: 48.203 ug/l

RT: 4.07 min Scan# 365

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

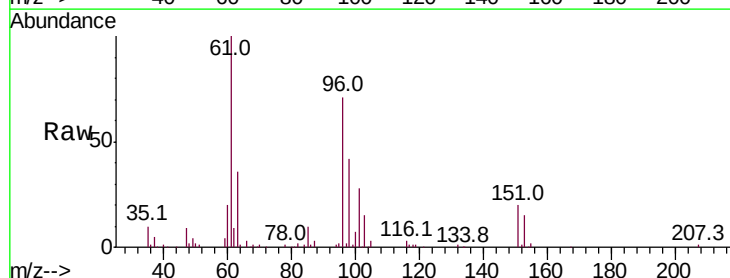
Tgt Ion: 96 Resp: 134460

Ion Ratio Lower Upper

96 100

61 141.0 114.5 171.7

98 59.6 54.5 81.7



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

80000

60000

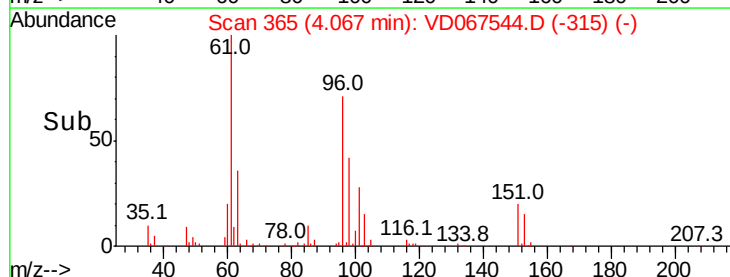
40000

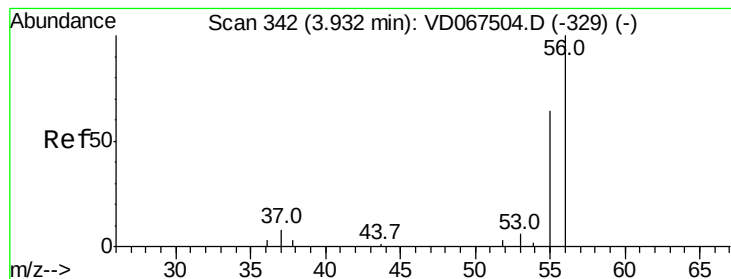
20000

0

Time-->

4.00 4.10 4.20





#13

Acrolein

Concen: 251.226 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

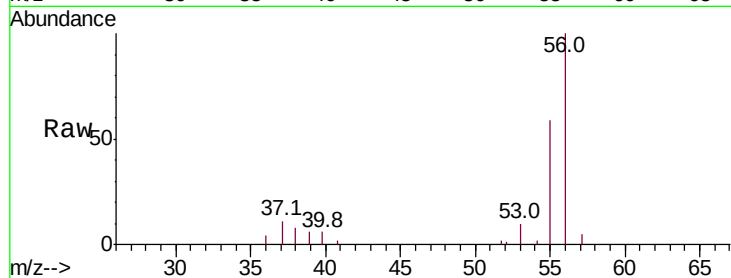
VSTDCCC050

Tot Ion: 56 Resp: 32606

Ion Ratio Lower Upper

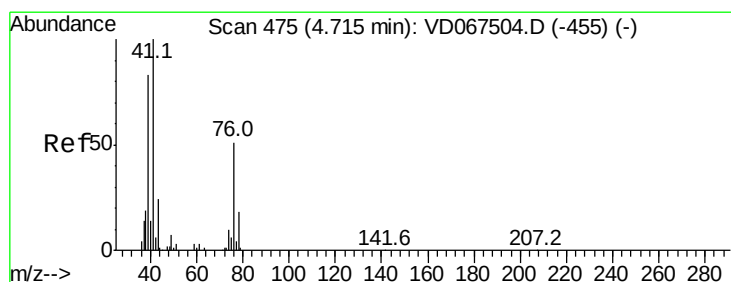
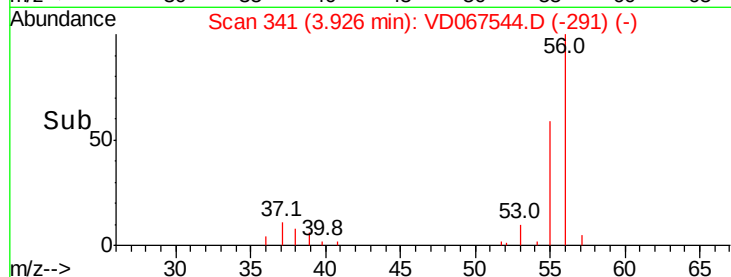
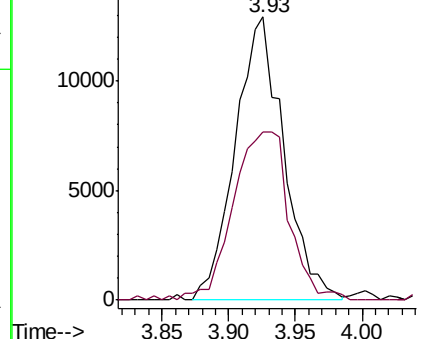
56 100

55 68.7 55.8 83.8



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 46.454 ug/l

RT: 4.71 min Scan# 475

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

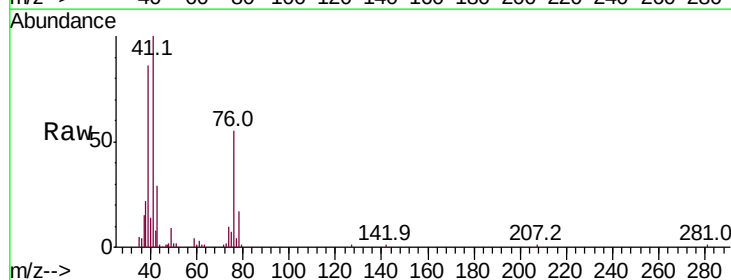
Tgt Ion: 41 Resp: 138684

Ion Ratio Lower Upper

41 100

39 84.6 67.4 101.0

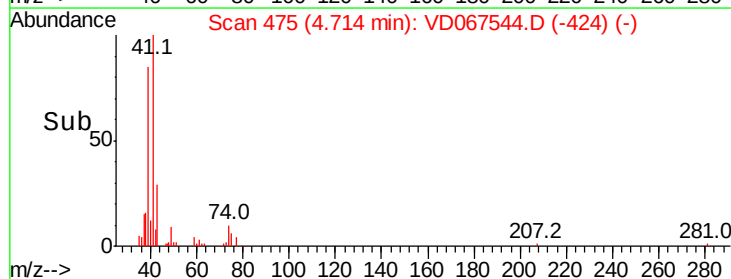
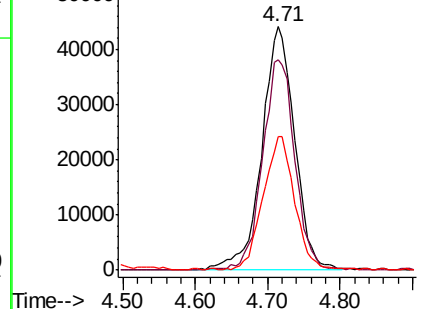
76 52.8 42.2 63.2

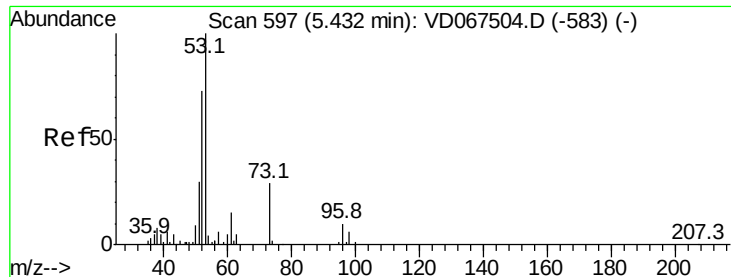


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 236.178 ug/l

RT: 5.41 min Scan# 594

Delta R.T. -0.02 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

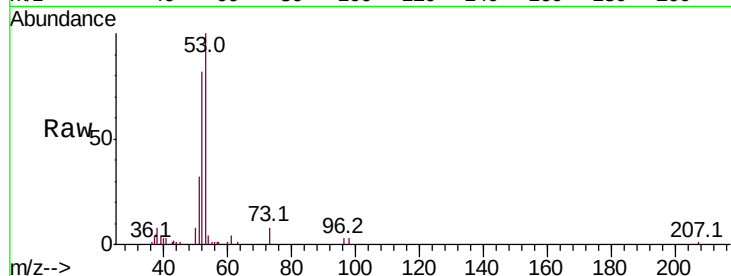
Tot Ion: 53 Resp: 105689

Ion Ratio Lower Upper

53 100

52 82.3 64.8 97.2

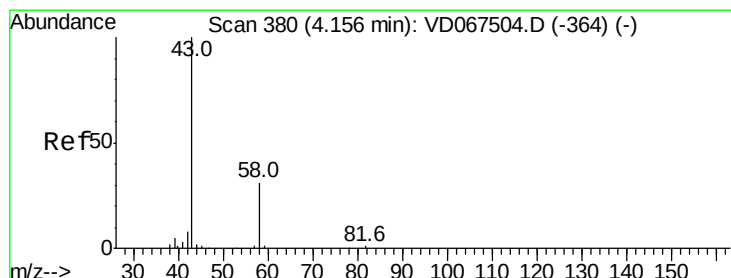
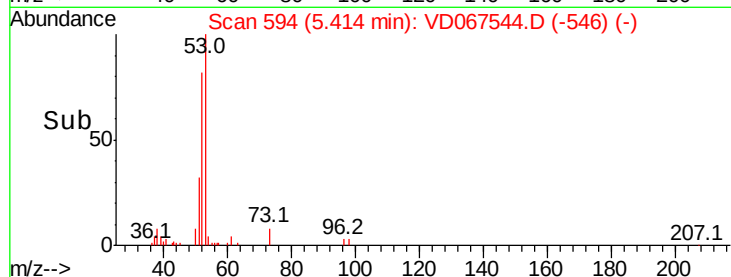
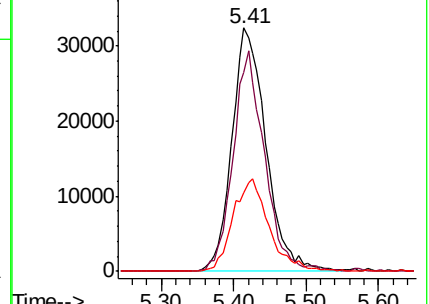
51 40.3 29.5 44.3



Abundance Ion 53.00 (52.70 to 53.70): VDC

Ion 52.00 (51.70 to 52.70): VDC

Ion 51.00 (50.70 to 51.70): VDC



#16

Acetone

Concen: 277.078 ug/l

RT: 4.16 min Scan# 380

Delta R.T. -0.00 min

Lab File: VD067544.D

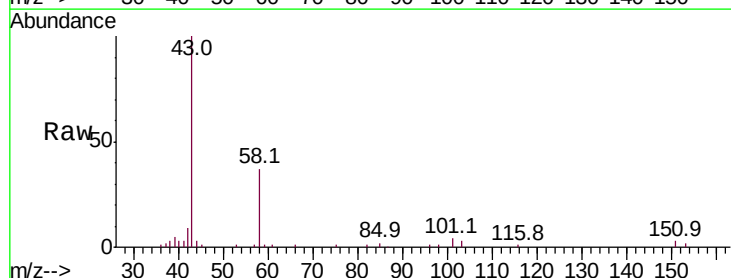
Acq: 06 Nov 2020 09:41

Tgt Ion: 43 Resp: 121167

Ion Ratio Lower Upper

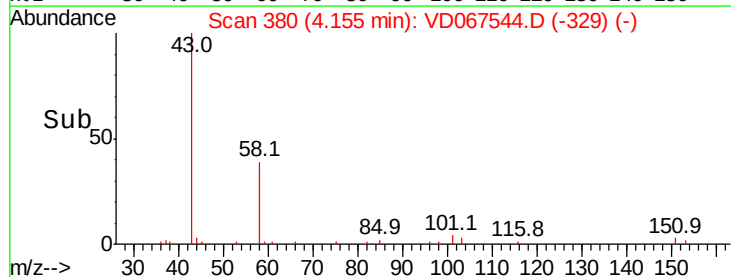
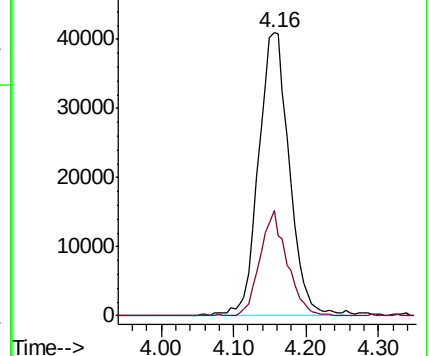
43 100

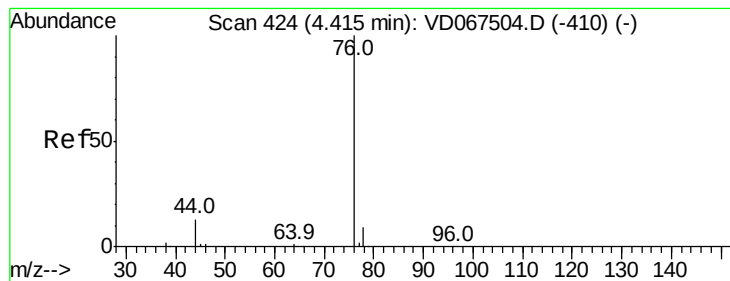
58 37.3 25.2 37.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC





#17

Carbon Disulfide

Concen: 46.224 ug/l

RT: 4.41 min Scan# 423

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

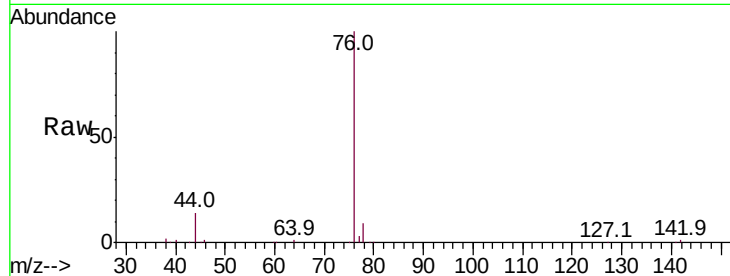
VSTDCCC050

Tot Ion: 76 Resp: 395110

Ion Ratio Lower Upper

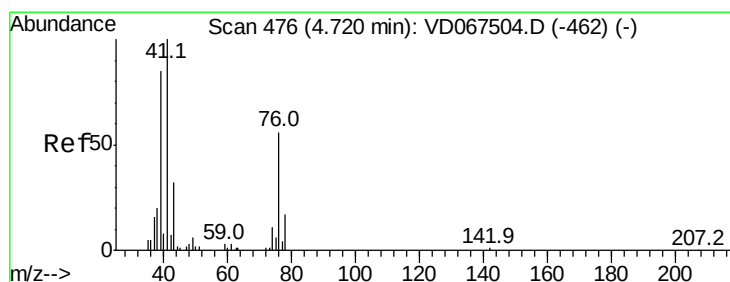
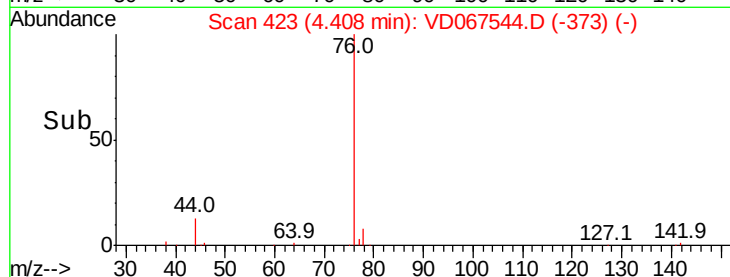
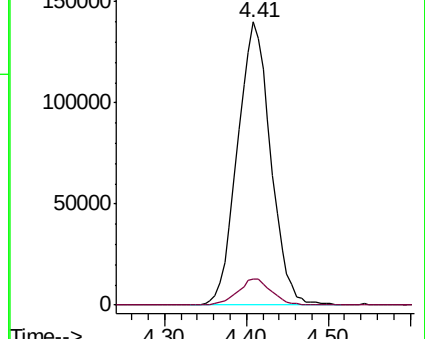
76 100

78 9.0 7.2 10.8



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#18

Methyl Acetate

Concen: 45.998 ug/l

RT: 4.71 min Scan# 474

Delta R.T. -0.01 min

Lab File: VD067544.D

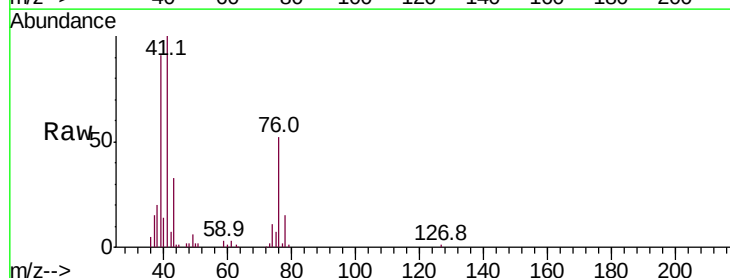
Acq: 06 Nov 2020 09:41

Tgt Ion: 43 Resp: 41567

Ion Ratio Lower Upper

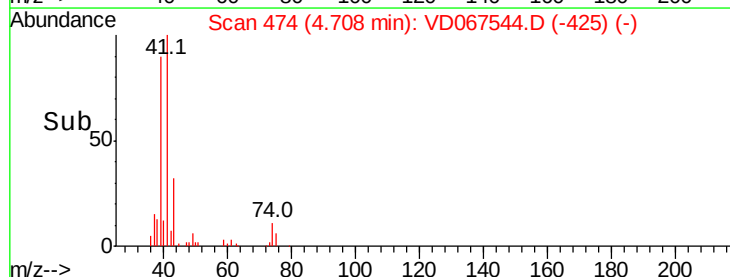
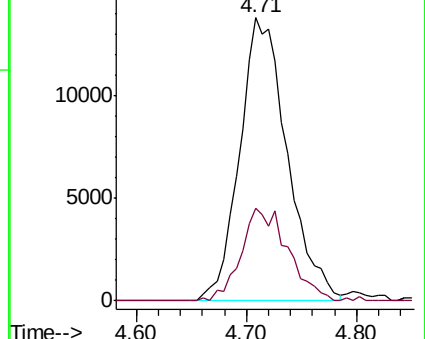
43 100

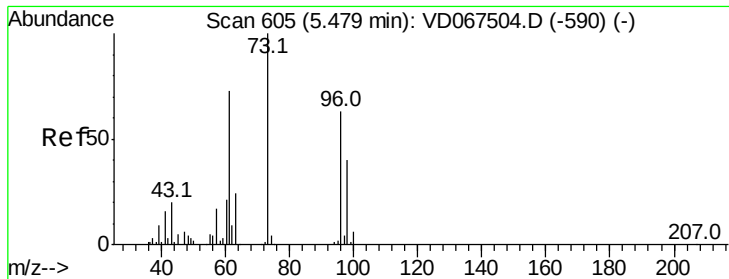
74 32.1 27.2 40.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 74.00 (73.70 to 74.70): VDC

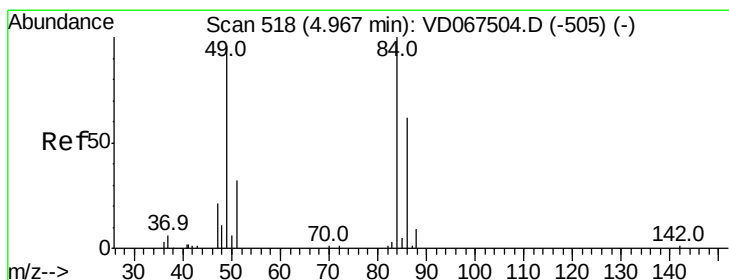
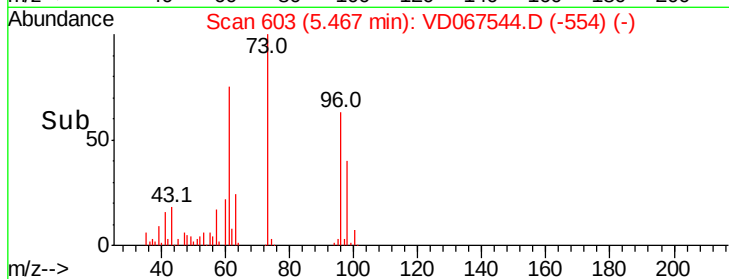
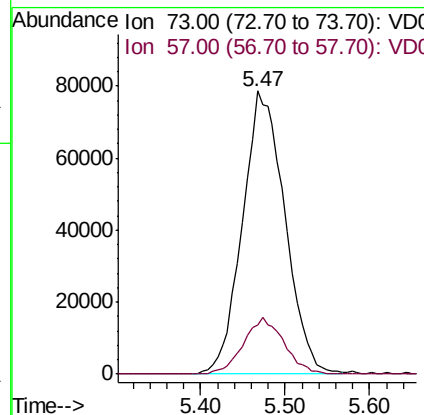
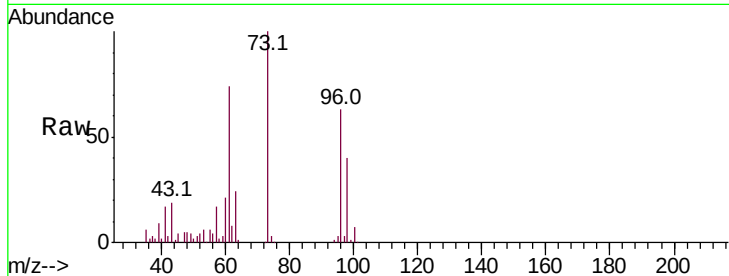




#19
Methyl tert-butyl Ether
Concen: 49.760 ug/l
RT: 5.47 min Scan# 603
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

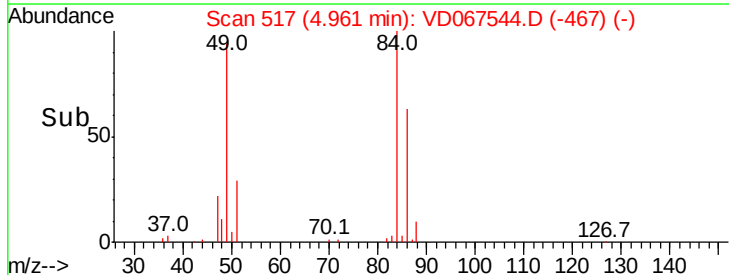
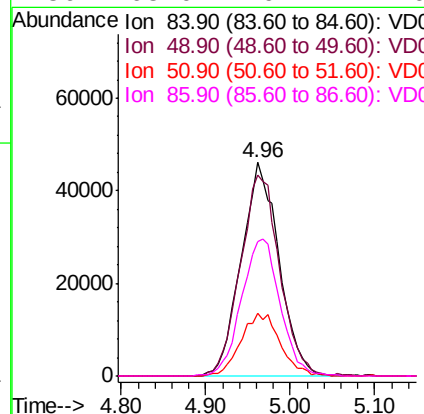
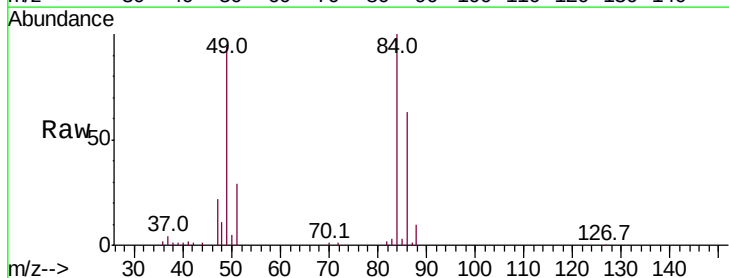
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

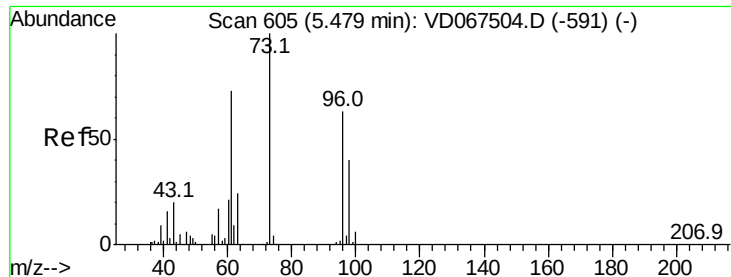
Tot Ion: 73 Resp: 273791
Ion Ratio Lower Upper
73 100
57 17.3 13.4 20.0



#20
Methylene Chloride
Concen: 46.402 ug/l
RT: 4.96 min Scan# 517
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 84 Resp: 143339
Ion Ratio Lower Upper
84 100
49 94.3 77.0 115.4
51 29.4 25.4 38.2
86 63.0 49.4 74.0





#21

trans-1,2-Dichloroethene

Concen: 47.249 ug/l

RT: 5.47 min Scan# 604

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

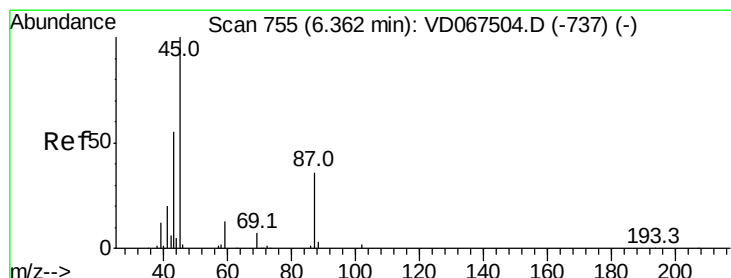
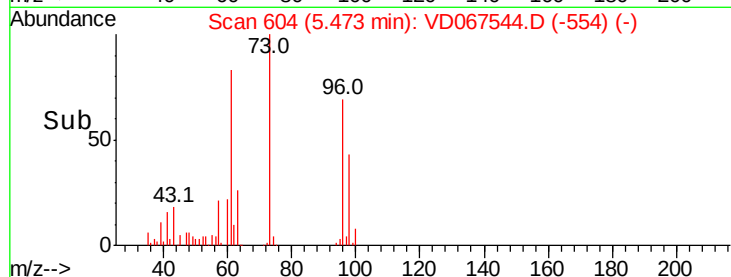
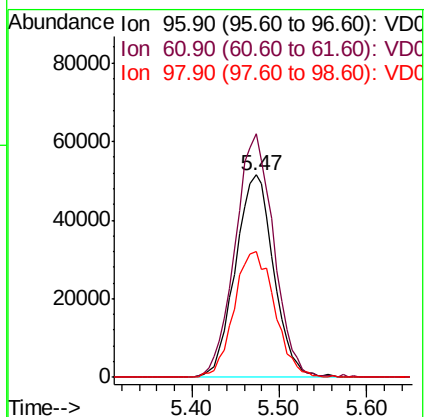
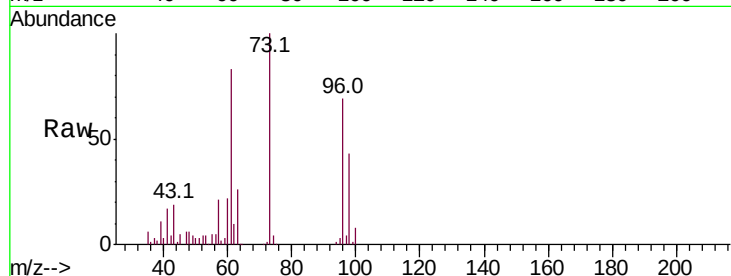
Tot Ion: 96 Resp: 153512

Ion Ratio Lower Upper

96 100

61 120.3 93.0 139.6

98 62.4 50.9 76.3



#22

Diisopropyl ether

Concen: 48.790 ug/l

RT: 6.36 min Scan# 754

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Tgt Ion: 45 Resp: 283849

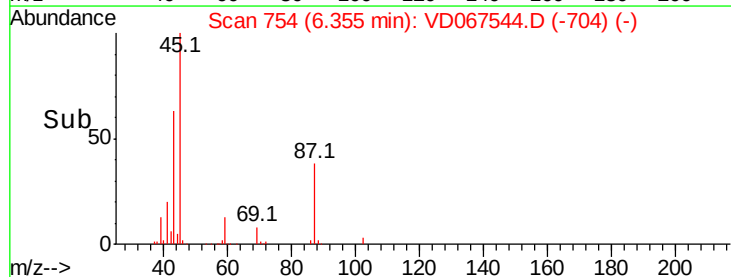
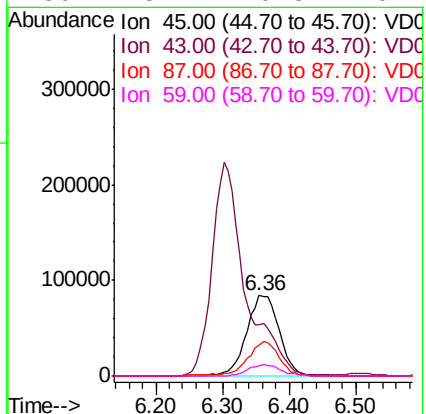
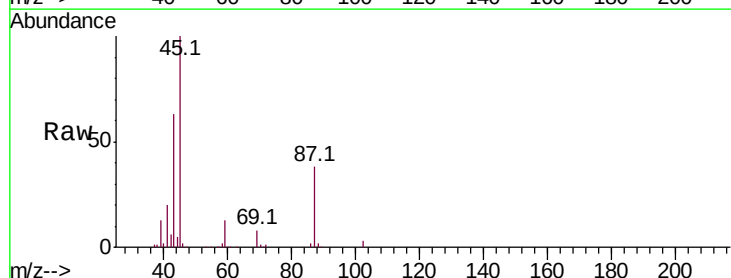
Ion Ratio Lower Upper

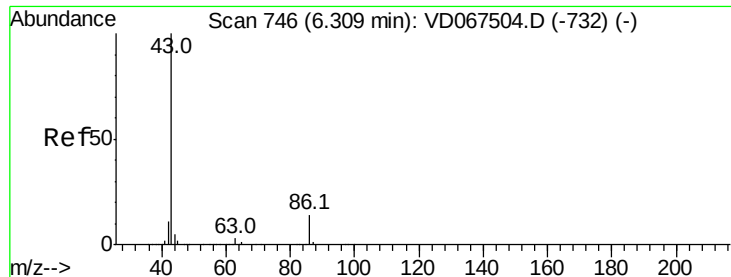
45 100

43 61.6 46.2 69.4

87 37.8 29.4 44.2

59 13.2 10.8 16.2





#23

Vinyl Acetate

Concen: 256.733 ug/l

RT: 6.30 min Scan# 745

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

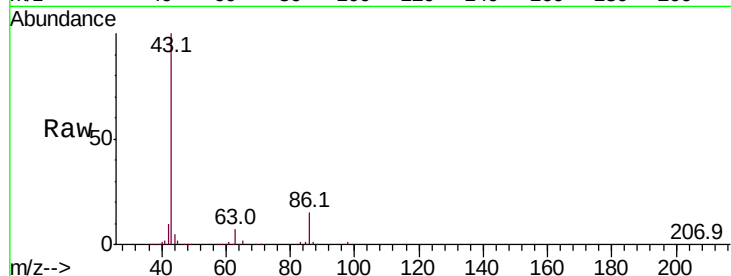
VSTDCCC050

Tot Ion: 43 Resp: 781835

Ion Ratio Lower Upper

43 100

86 14.9 11.6 17.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.30

250000

200000

150000

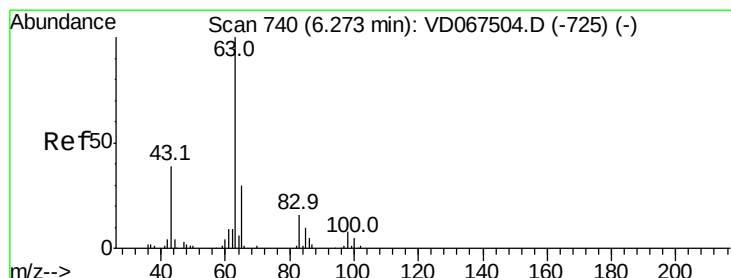
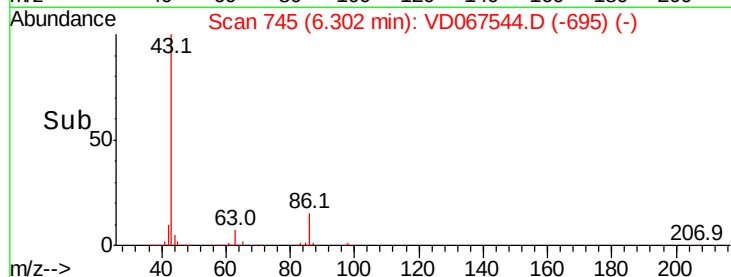
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 47.959 ug/l

RT: 6.27 min Scan# 739

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

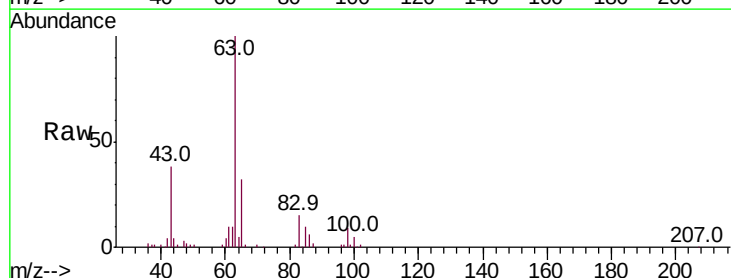
Tgt Ion: 63 Resp: 228258

Ion Ratio Lower Upper

63 100

98 9.0 3.9 11.5

100 4.8 2.6 7.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

100000

80000

60000

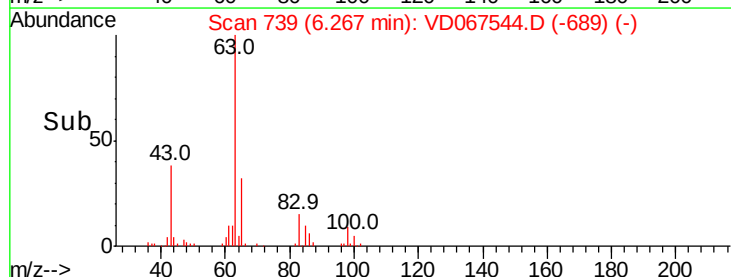
40000

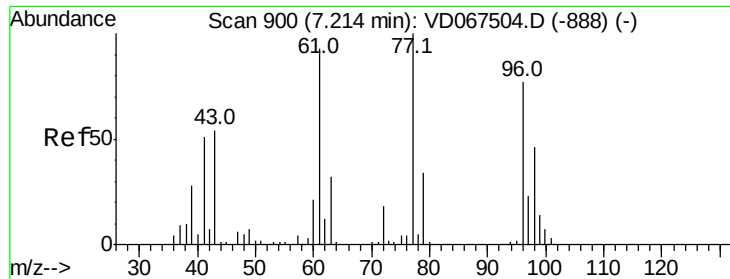
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 250.590 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

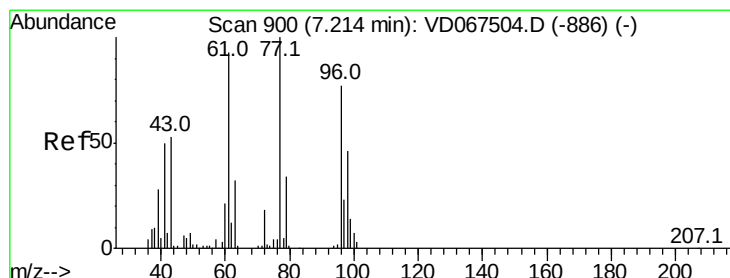
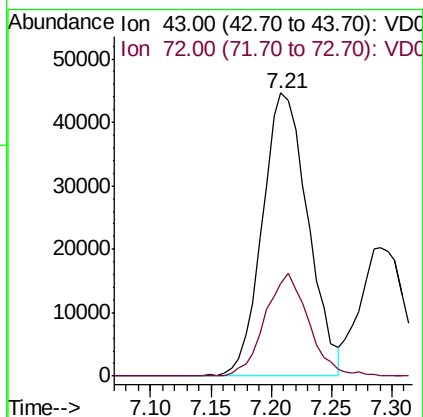
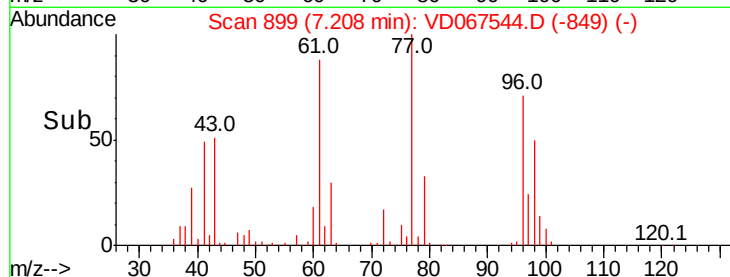
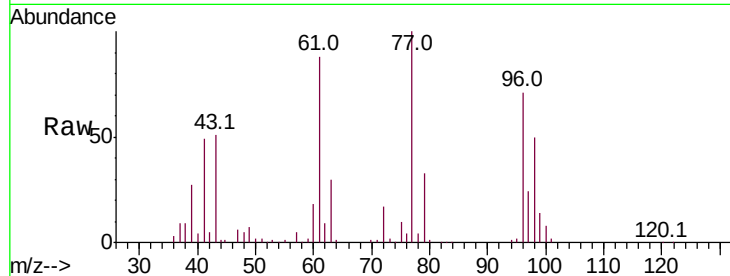
VSTDCCC050

Tot Ion: 43 Resp: 117093

Ion Ratio Lower Upper

43 100

72 32.9 26.4 39.6



#26

2,2-Dichloropropane

Concen: 49.131 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067544.D

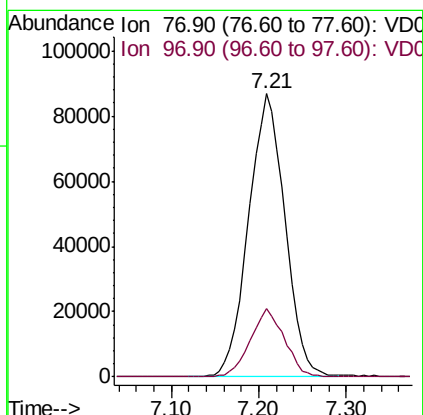
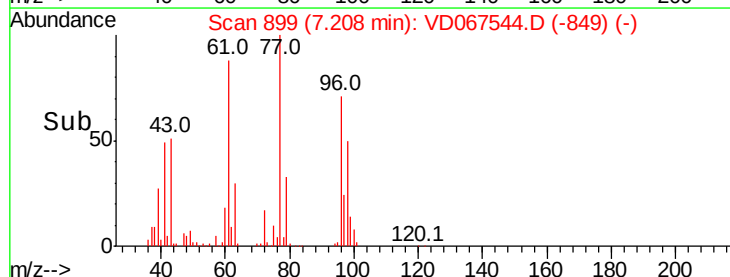
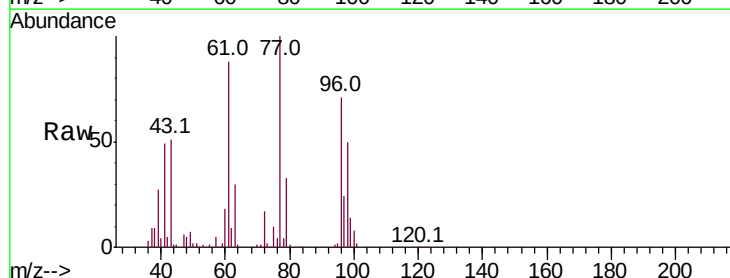
Acq: 06 Nov 2020 09:41

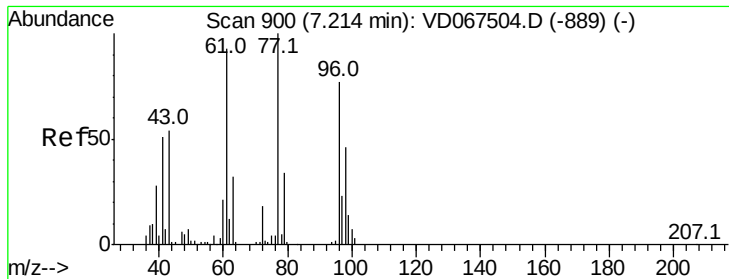
Tgt Ion: 77 Resp: 246793

Ion Ratio Lower Upper

77 100

97 22.6 11.1 33.3



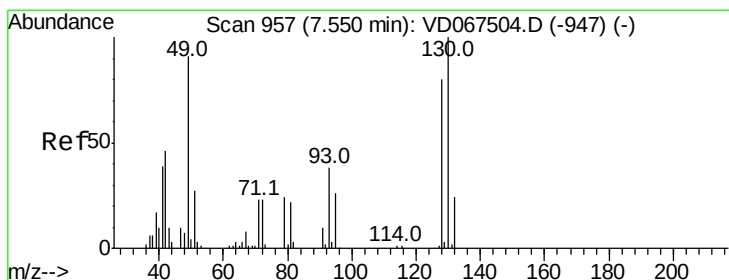
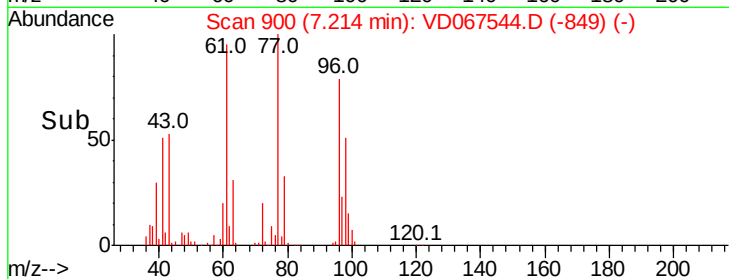
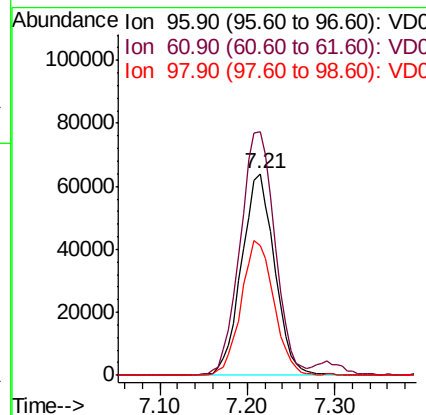
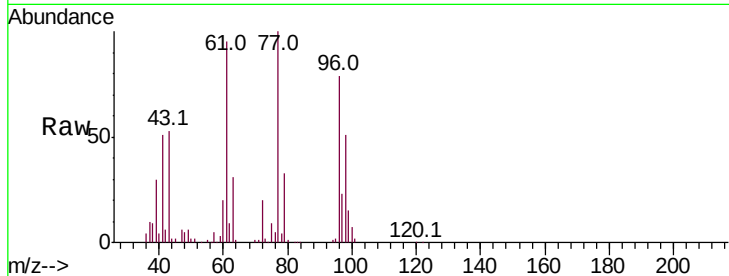


#27

cis-1,2-Dichloroethene
 Concen: 48.607 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. -0.00 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

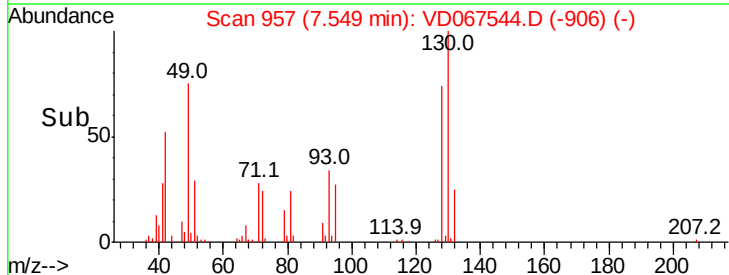
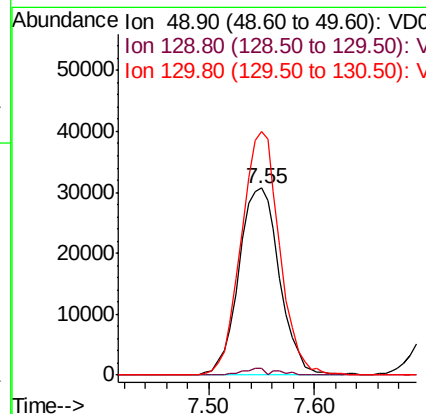
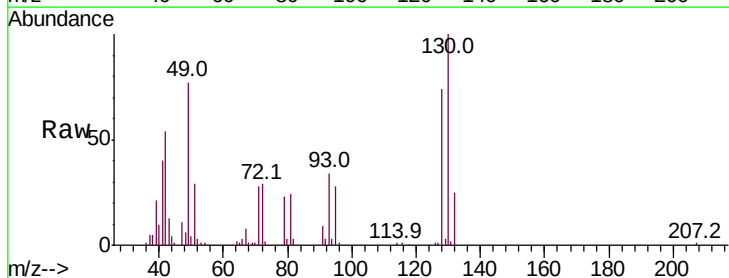
Tot Ion	96	Resp	163918
Ion	Ratio	Lower	Upper
96	100		
61	127.3	0.0	251.6
98	66.2	0.0	128.0

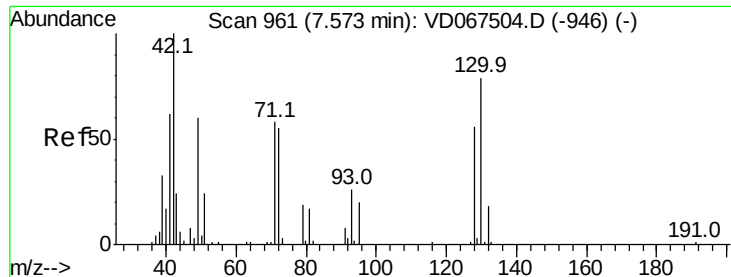


#28

Bromochloromethane
 Concen: 48.362 ug/l
 RT: 7.55 min Scan# 957
 Delta R.T. -0.00 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Tgt Ion	49	Resp	81875
Ion	Ratio	Lower	Upper
49	100		
129	1.8	0.0	6.4
130	123.0	94.6	142.0

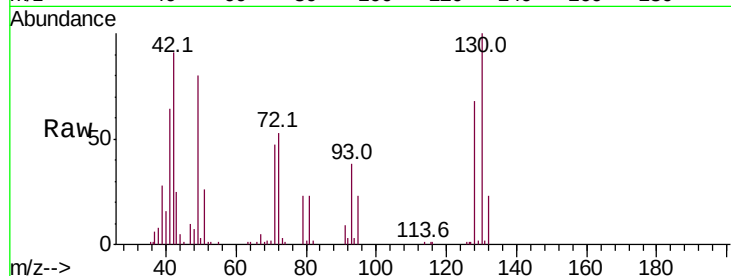




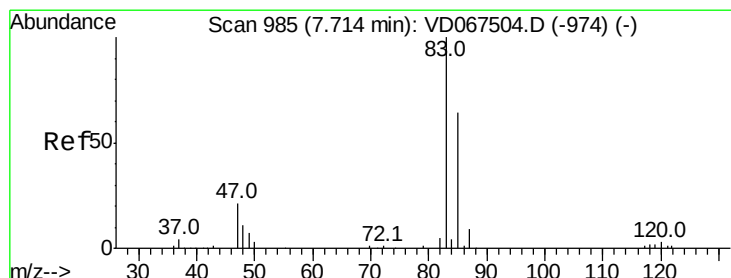
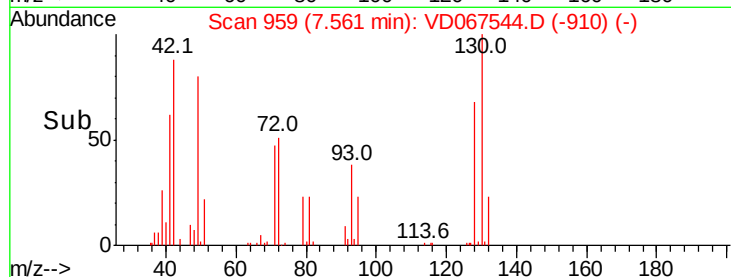
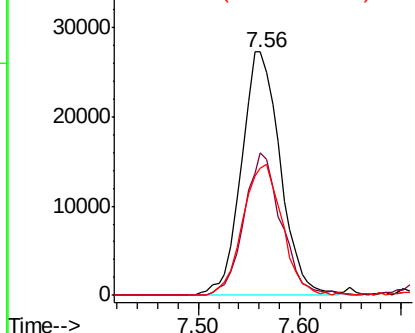
#29
Tetrahydrofuran
Concen: 260.825 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 42 Resp: 73004
Ion Ratio Lower Upper
42 100
72 55.7 46.3 69.5
71 54.5 44.0 66.0

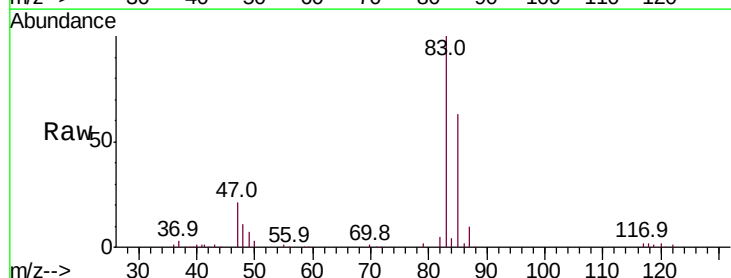


Abundance Ion 42.00 (41.70 to 42.70): VDC
Ion 72.00 (71.70 to 72.70): VDC
Ion 71.00 (70.70 to 71.70): VDC

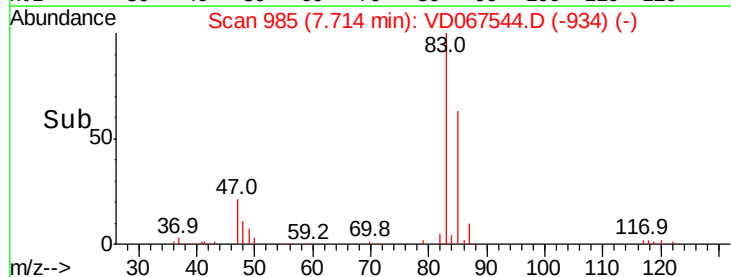
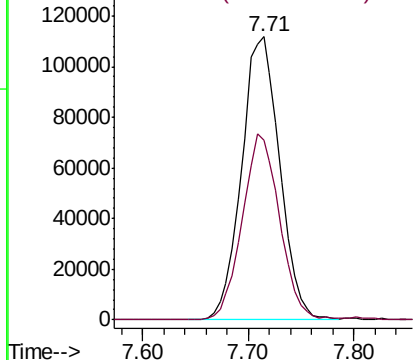


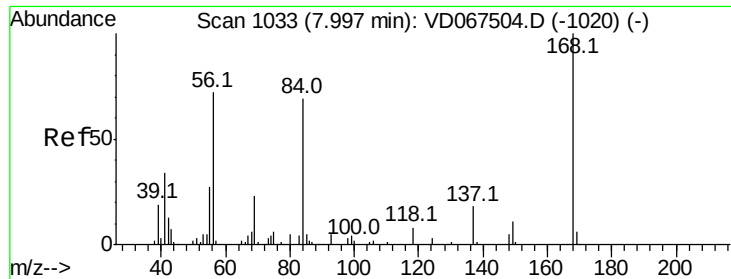
#30
Chloroform
Concen: 49.295 ug/l
RT: 7.71 min Scan# 985
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 83 Resp: 279902
Ion Ratio Lower Upper
83 100
85 63.4 51.5 77.3



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

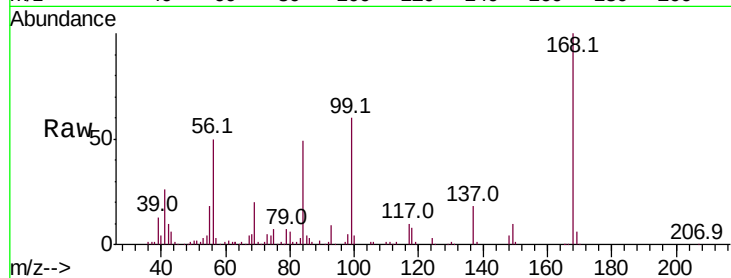




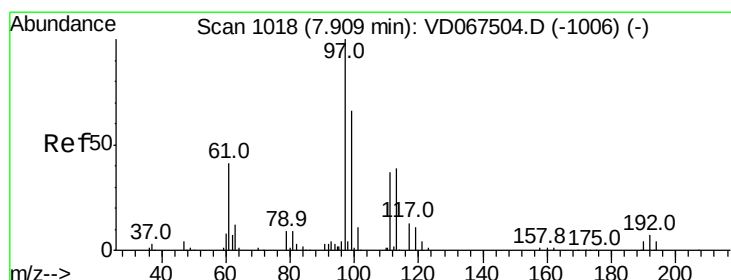
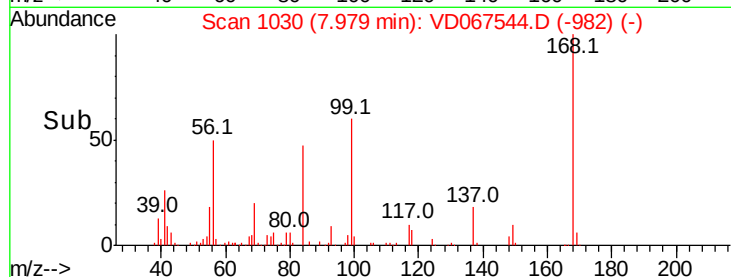
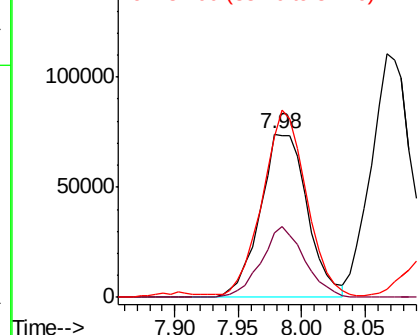
#31
Cyclohexane
Concen: 45.446 ug/l
RT: 7.98 min Scan# 1030
Delta R.T. -0.02 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 56 Resp: 192618
Ion Ratio Lower Upper
56 100
69 39.6 25.9 38.9#
84 96.2 76.2 114.4

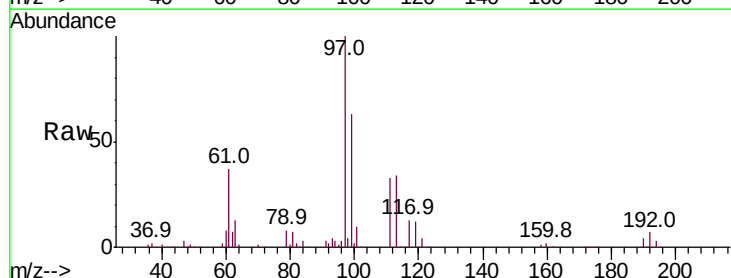


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

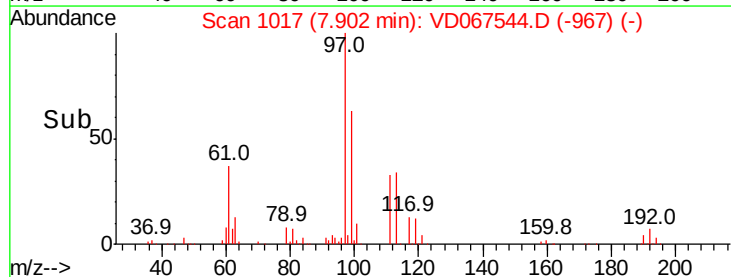
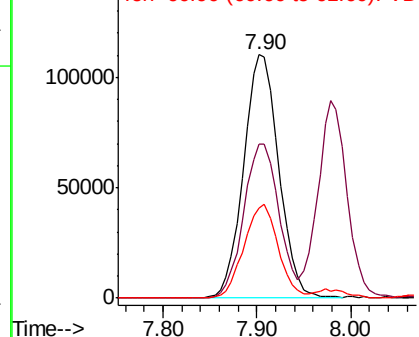


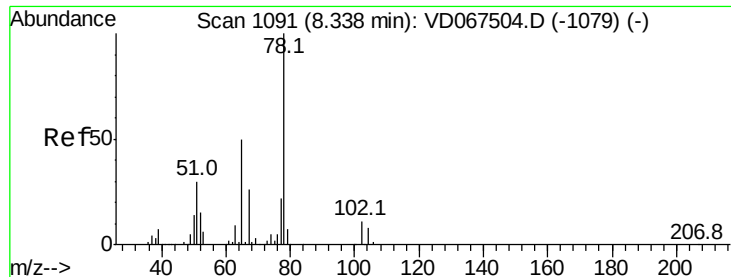
#32
1,1,1-Trichloroethane
Concen: 48.733 ug/l
RT: 7.90 min Scan# 1017
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 97 Resp: 285503
Ion Ratio Lower Upper
97 100
99 63.8 51.8 77.6
61 37.7 30.5 45.7



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

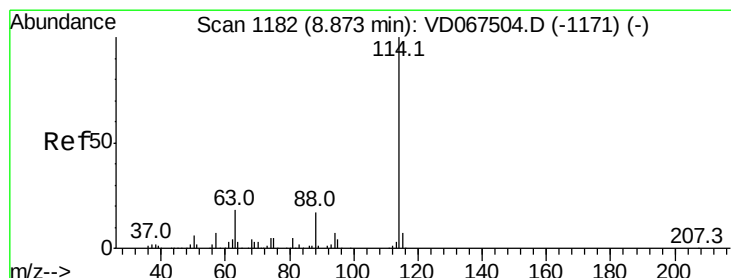
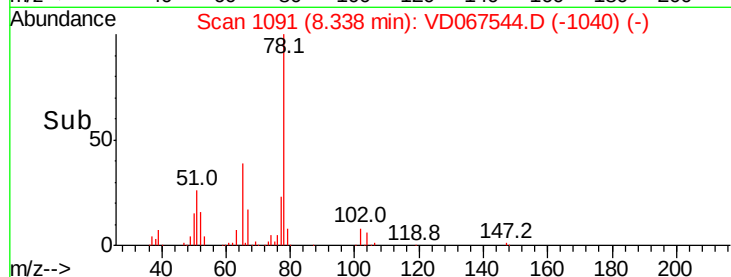
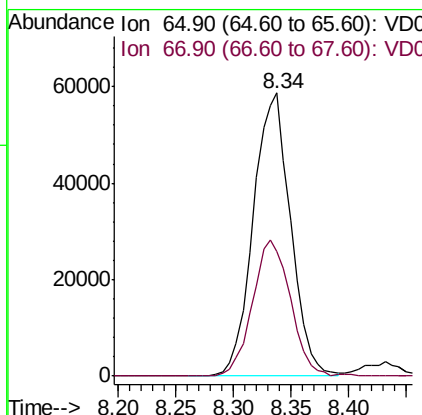
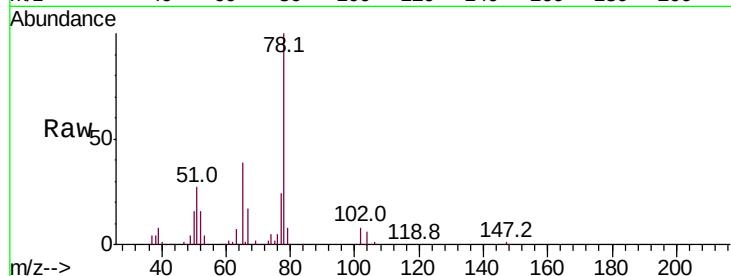




#33
 1,2-Dichloroethane-d4
 Concen: 45.281 ug/l
 RT: 8.34 min Scan# 1091
 Delta R.T. -0.00 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

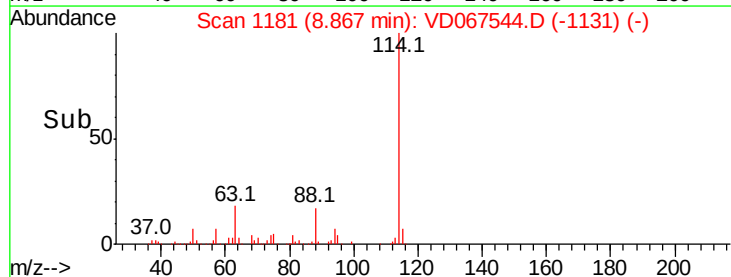
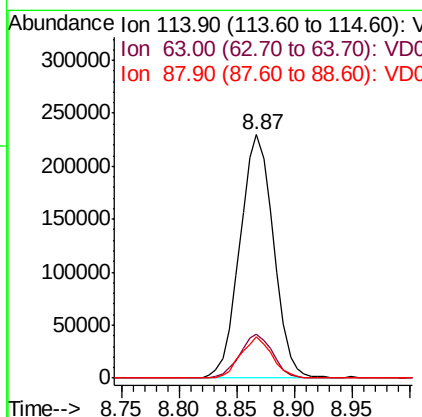
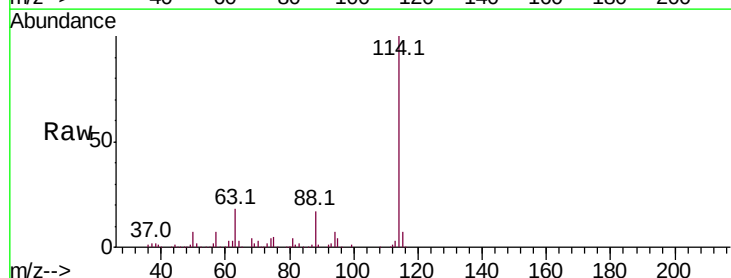
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

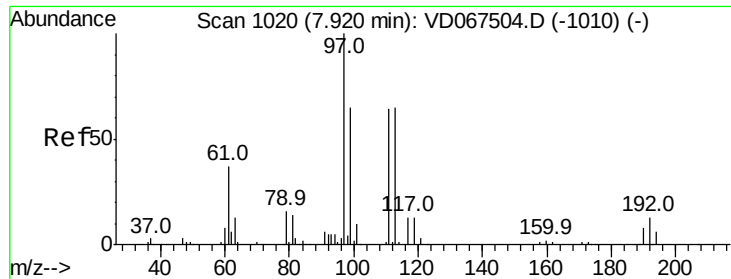
Tot Ion: 65 Resp: 132325
 Ion Ratio Lower Upper
 65 100
 67 48.8 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. -0.01 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Tgt Ion: 114 Resp: 467576
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.0
 88 17.1 0.0 33.0

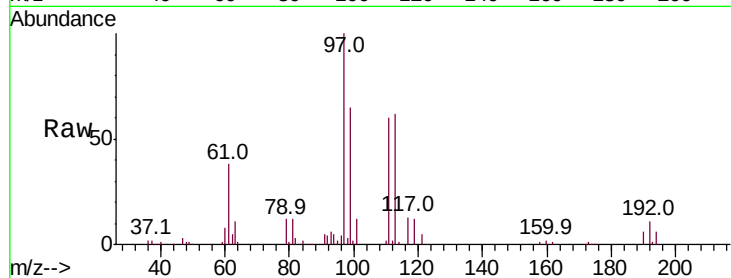




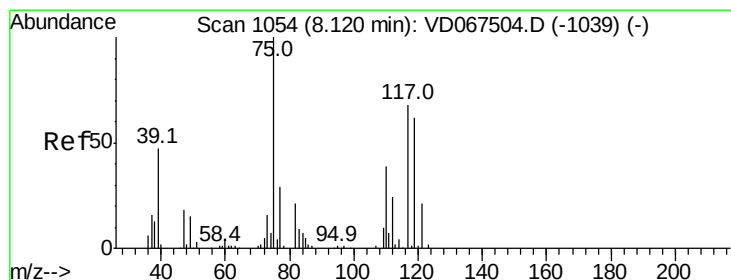
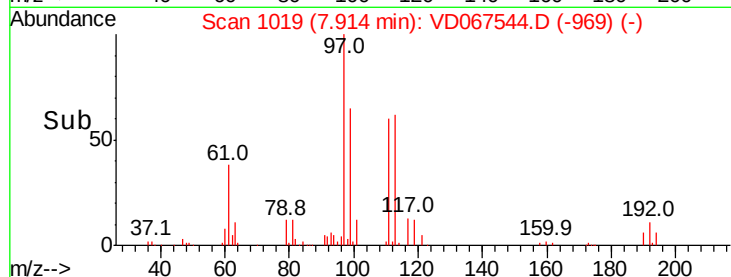
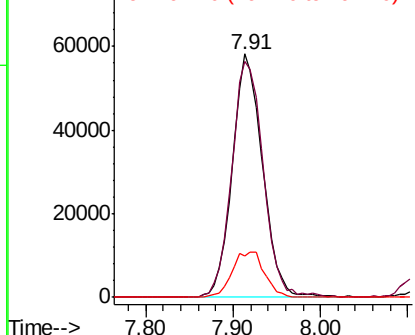
#35
 Dibromofluoromethane
 Concen: 48.336 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. -0.01 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion:113 Resp: 136169
 Ion Ratio Lower Upper
 113 100
 111 101.0 80.0 120.0
 192 19.9 16.3 24.5

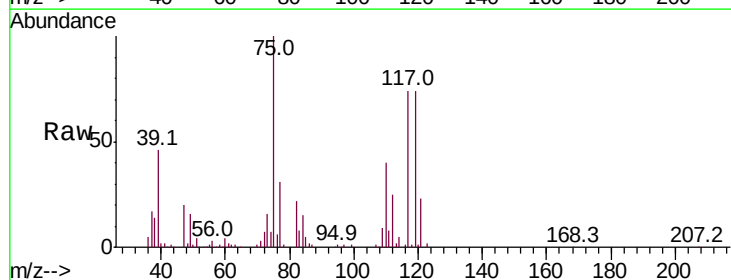


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

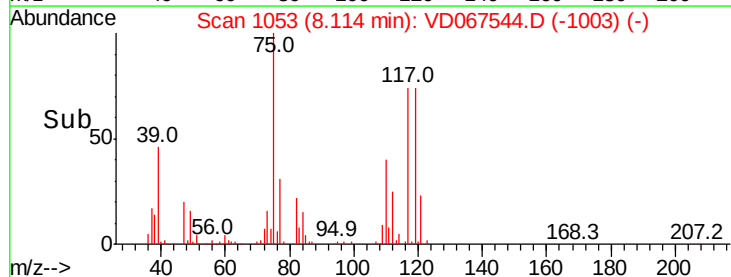
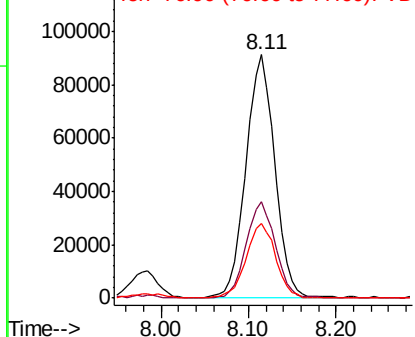


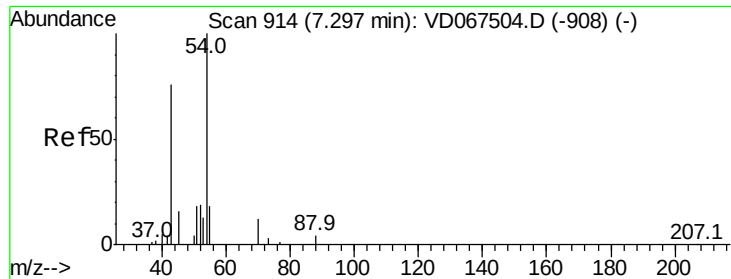
#36
 1,1-Dichloropropene
 Concen: 51.208 ug/l
 RT: 8.11 min Scan# 1053
 Delta R.T. -0.01 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Tgt Ion: 75 Resp: 204952
 Ion Ratio Lower Upper
 75 100
 110 39.7 19.9 59.7
 77 31.6 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

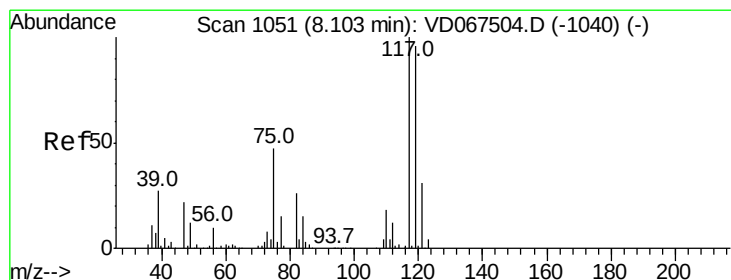
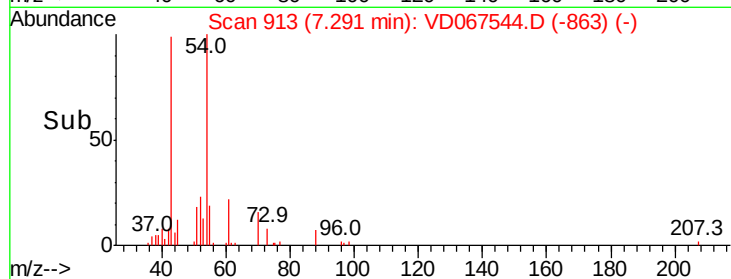
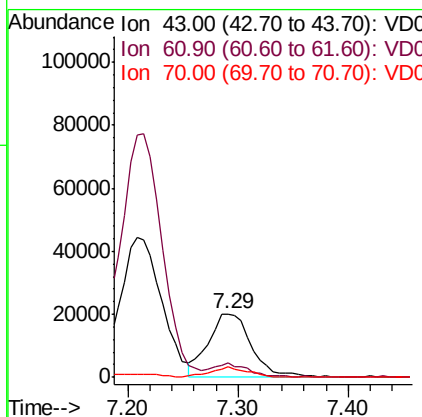
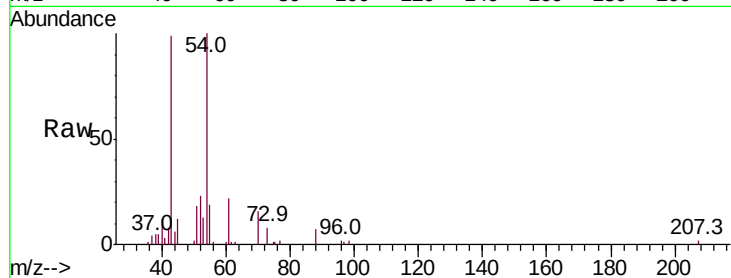




#37
Ethyl Acetate
Concen: 51.978 ug/l
RT: 7.29 min Scan# 913
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

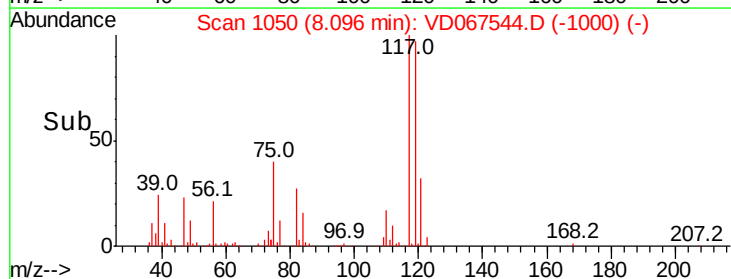
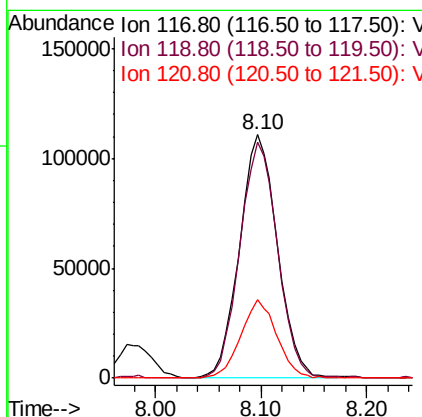
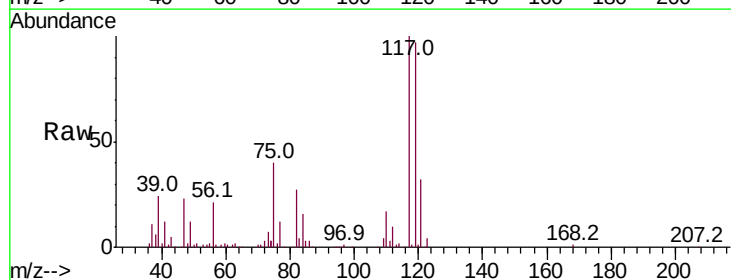
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

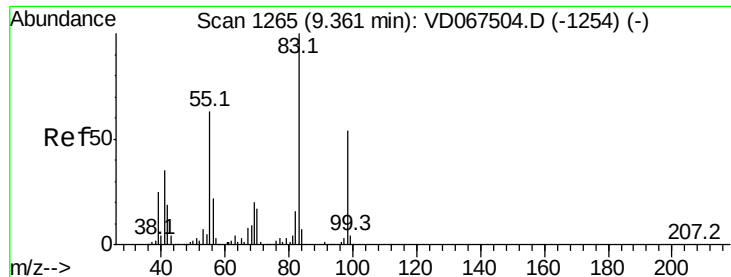
Tot Ion: 43 Resp: 54010
Ion Ratio Lower Upper
43 100
61 17.2 12.8 19.2
70 14.4 11.7 17.5



#38
Carbon Tetrachloride
Concen: 52.649 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 117 Resp: 273783
Ion Ratio Lower Upper
117 100
119 97.2 76.9 115.3
121 32.1 24.5 36.7

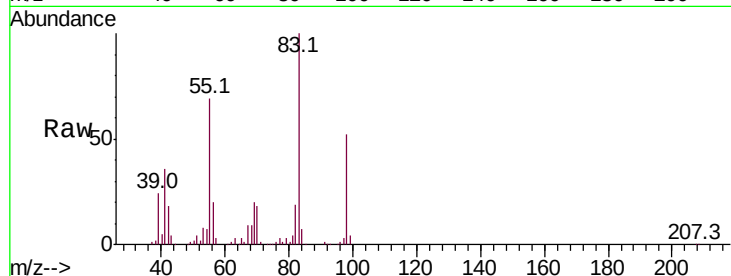




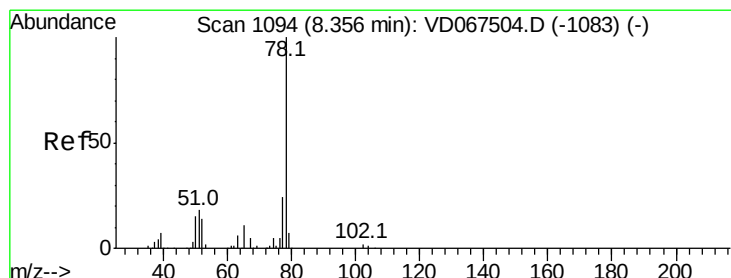
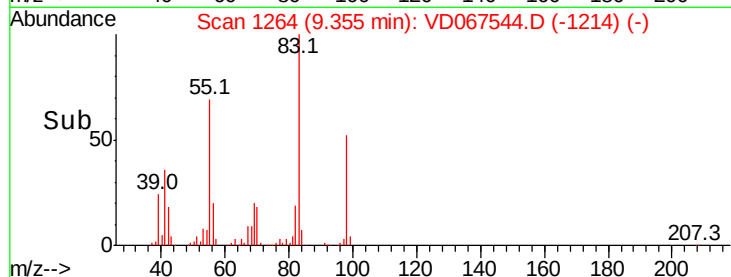
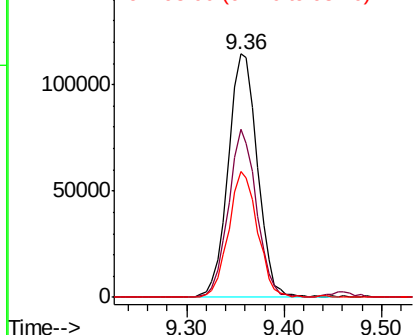
#39
Methylvlcyclohexane
Concen: 50.759 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 83 Resp: 239111
Ion Ratio Lower Upper
83 100
55 68.9 50.5 75.7
98 51.9 43.4 65.0

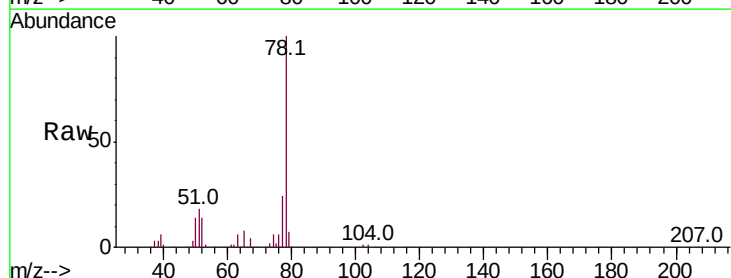


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

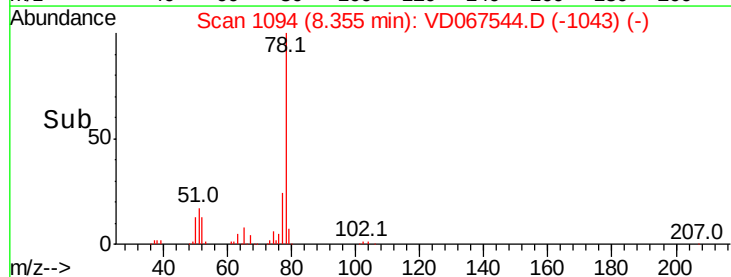
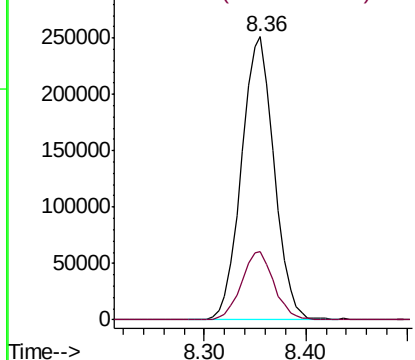


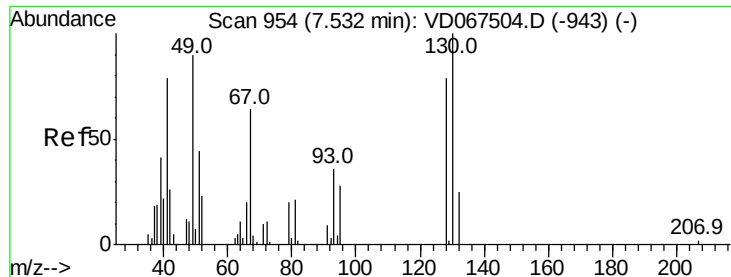
#40
Benzene
Concen: 51.734 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 78 Resp: 560872
Ion Ratio Lower Upper
78 100
77 24.3 19.1 28.7



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





#41

Methacrylonitrile

Concen: 126.760 ug/l

RT: 7.56 min Scan# 959

Delta R.T. 0.03 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 41 Resp: 78732

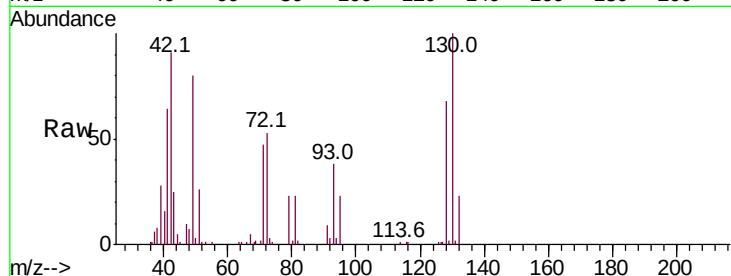
Ion Ratio Lower Upper

41 100

39 54.9 51.3 76.9

67 0.0 78.9 118.3#

52 0.0 31.4 47.2#

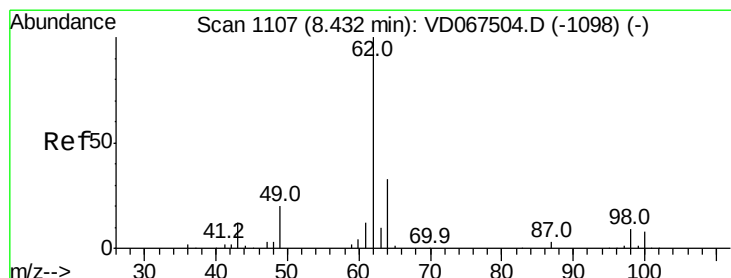
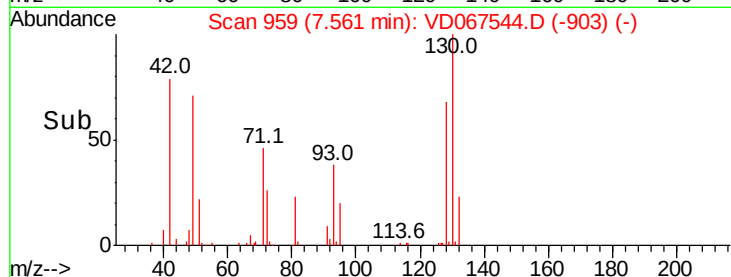
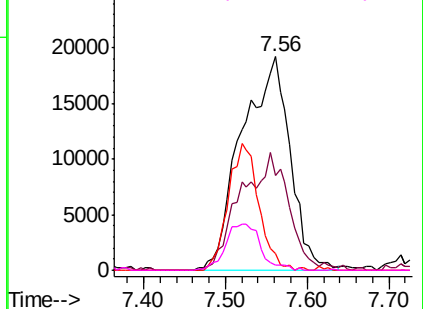


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 67.00 (66.70 to 67.70): VDC

Ion 52.00 (51.70 to 52.70): VDC



#42

1,2-Dichloroethane

Concen: 50.543 ug/l

RT: 8.43 min Scan# 1106

Delta R.T. -0.01 min

Lab File: VD067544.D

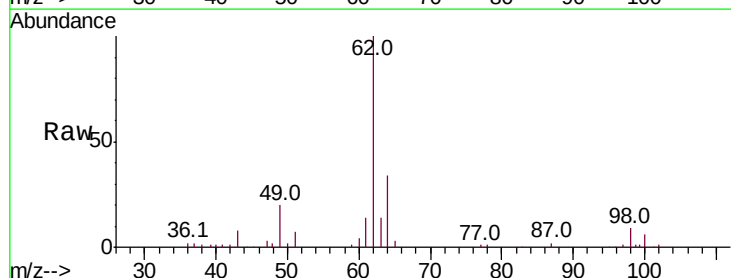
Acq: 06 Nov 2020 09:41

Tgt Ion: 62 Resp: 169303

Ion Ratio Lower Upper

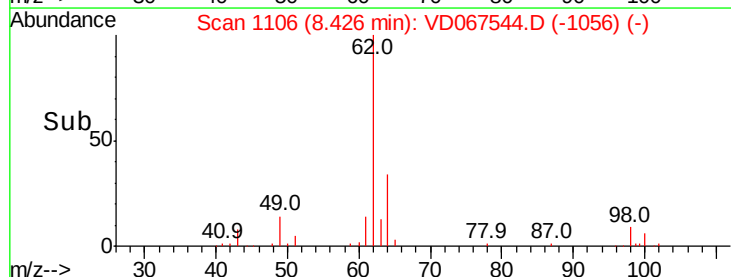
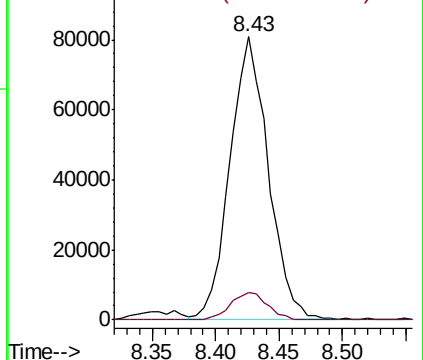
62 100

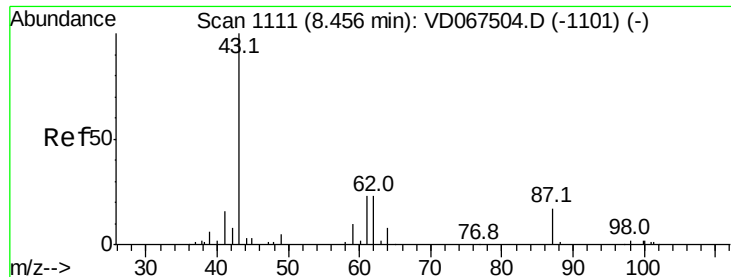
98 9.4 0.0 19.8



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 51.764 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

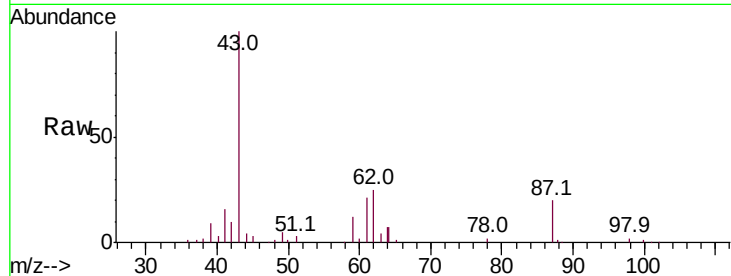
Tot Ion: 43 Resp: 106374

Ion Ratio Lower Upper

43 100

61 37.6 30.5 45.7

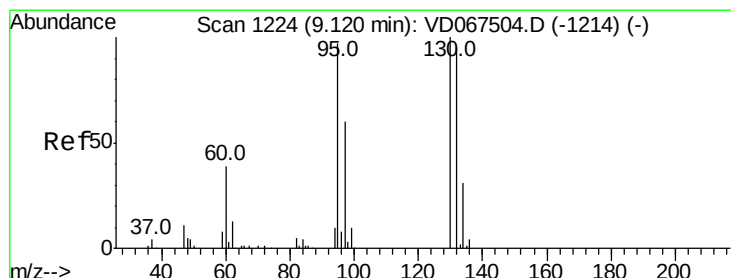
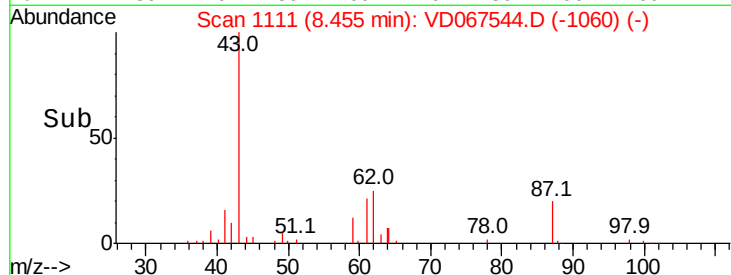
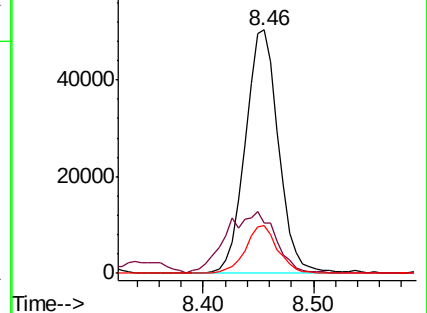
87 18.9 14.7 22.1



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: 50.868 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. -0.01 min

Lab File: VD067544.D

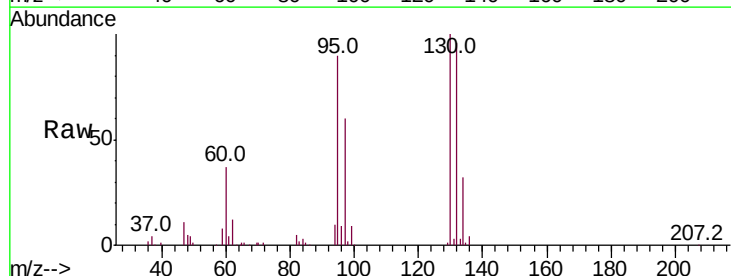
Acq: 06 Nov 2020 09:41

Tgt Ion: 130 Resp: 181333

Ion Ratio Lower Upper

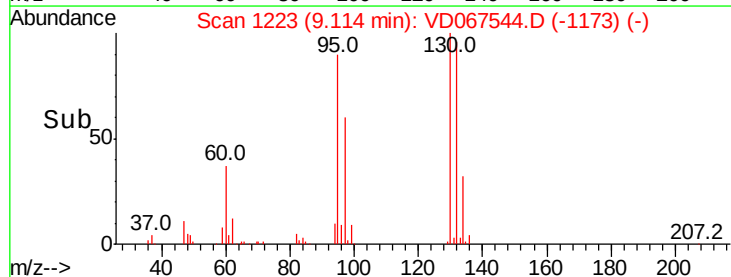
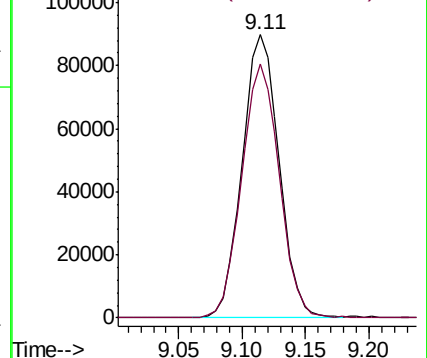
130 100

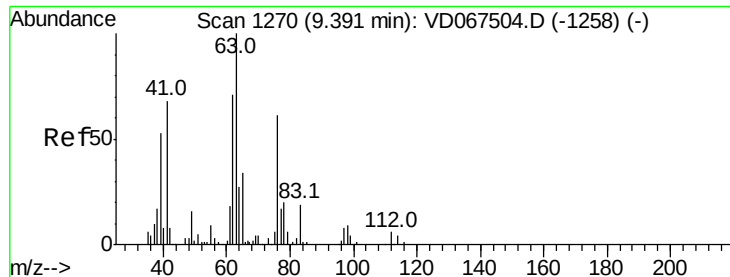
95 89.6 0.0 194.4



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 51.767 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

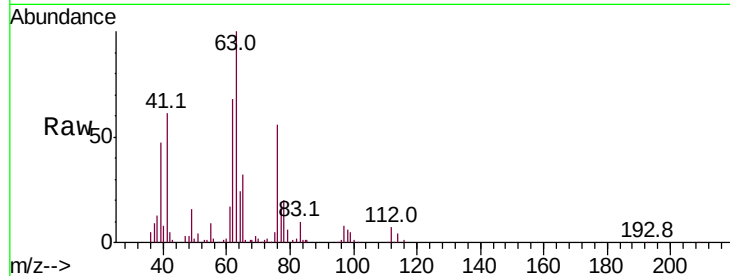
VSTDCCC050

Tot Ion: 63 Resp: 121341

Ion Ratio Lower Upper

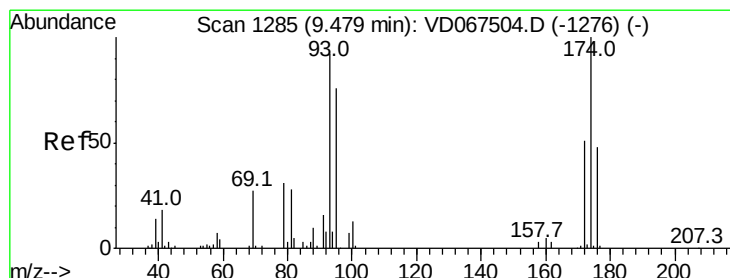
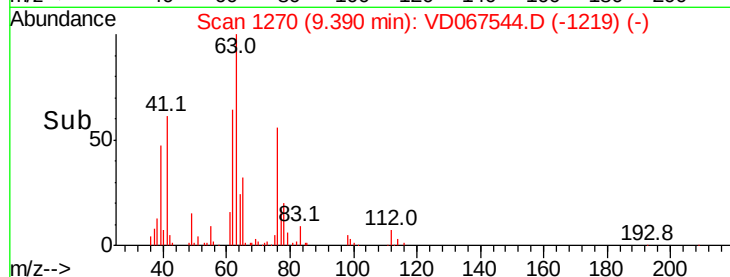
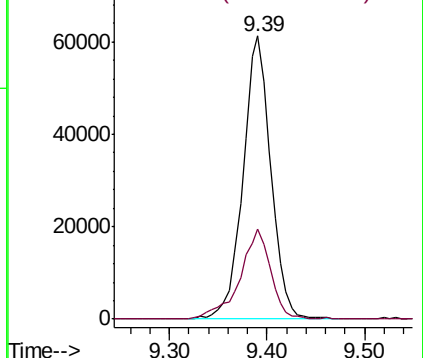
63 100

65 31.9 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: 50.847 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

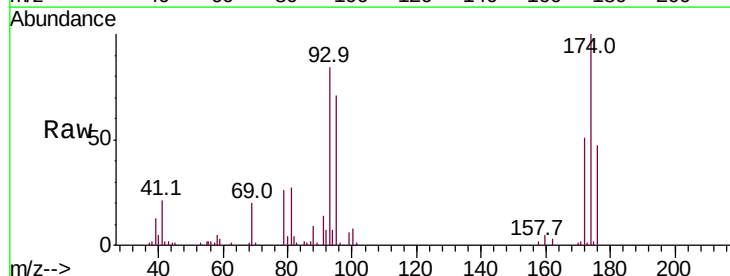
Tgt Ion: 93 Resp: 75781

Ion Ratio Lower Upper

93 100

95 82.7 66.4 99.6

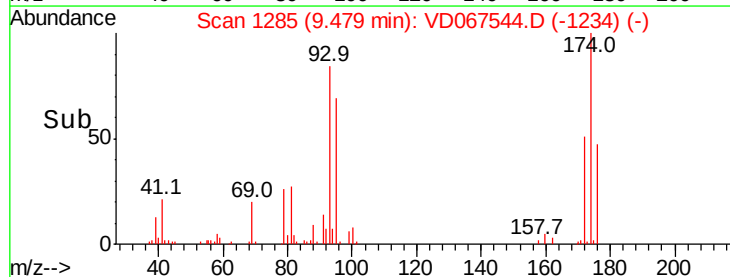
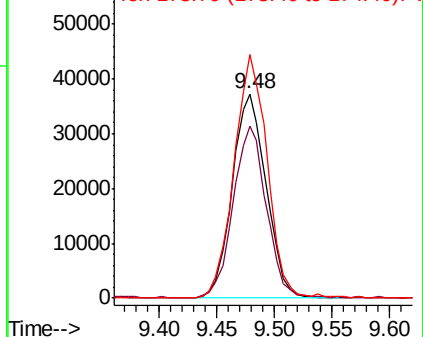
174 116.9 88.2 132.4

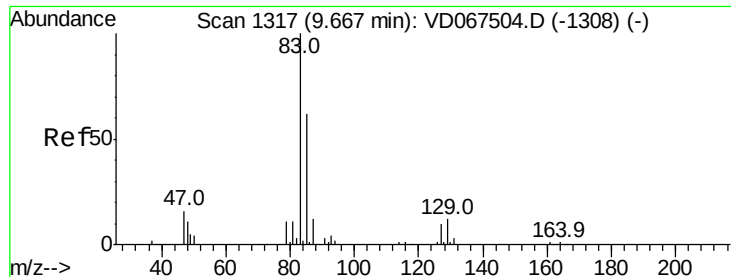


Abundance Ion 92.80 (92.50 to 93.50): VDC

Ion 94.80 (94.50 to 95.50): VDC

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 52.085 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

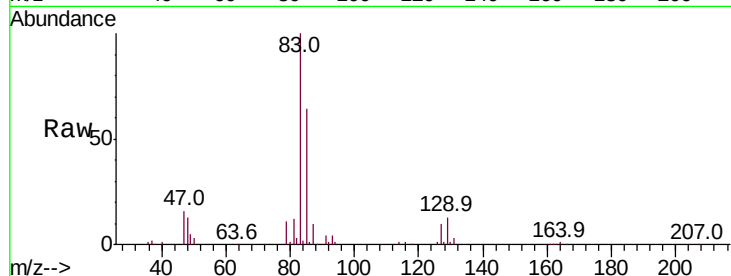
Tot Ion: 83 Resp: 210988

Ion Ratio Lower Upper

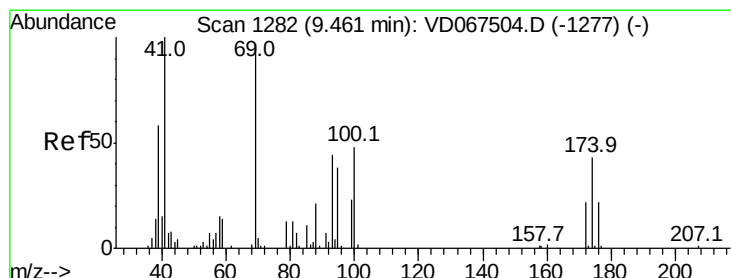
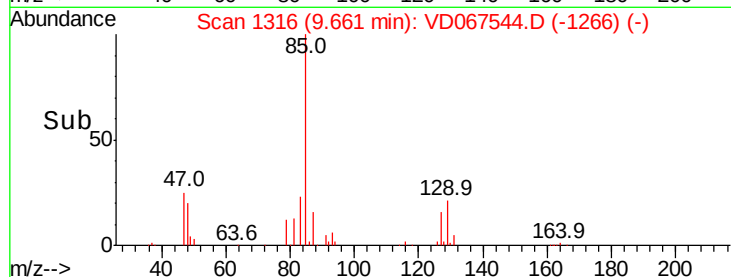
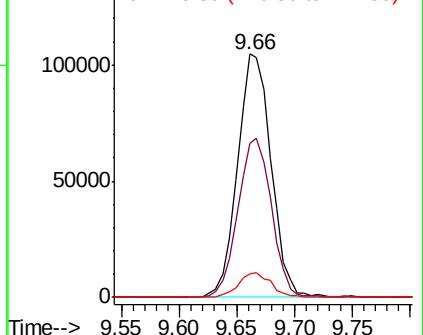
83 100

85 63.5 49.4 74.2

127 9.9 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: 49.078 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

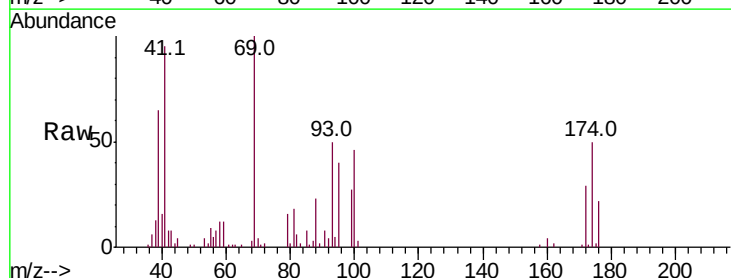
Tgt Ion: 41 Resp: 52074

Ion Ratio Lower Upper

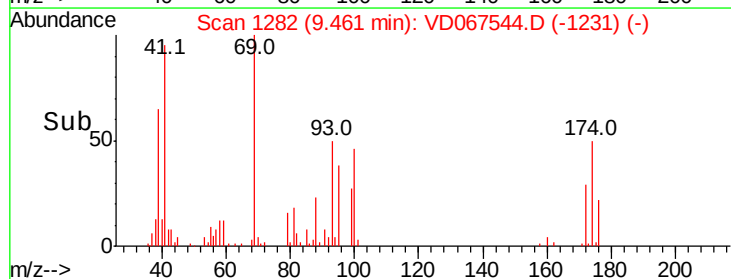
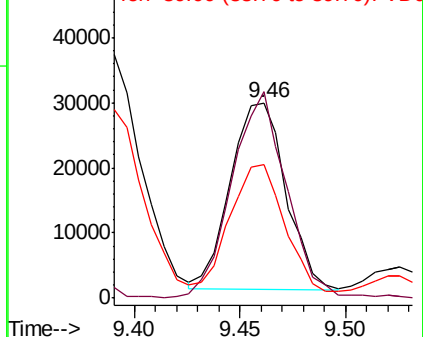
41 100

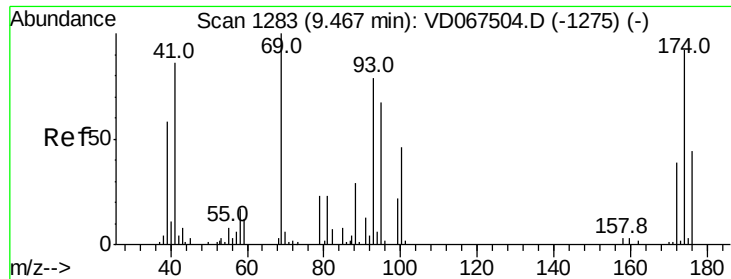
69 110.3 80.6 121.0

39 66.1 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: 1011.241 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

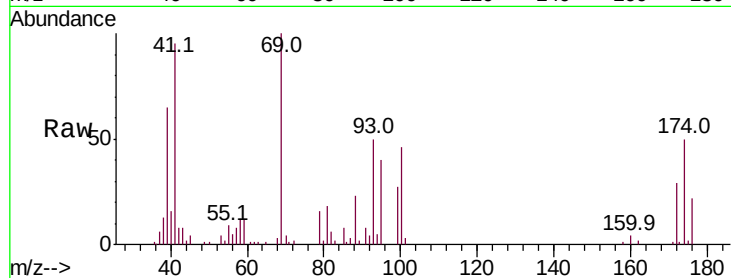
Tot Ion: 88 Resp: 15300

Ion Ratio Lower Upper

88 100

43 29.8 23.6 35.4

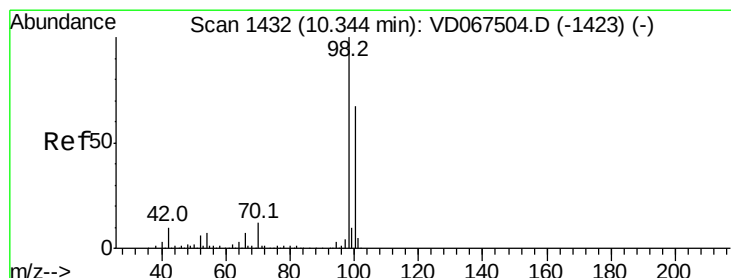
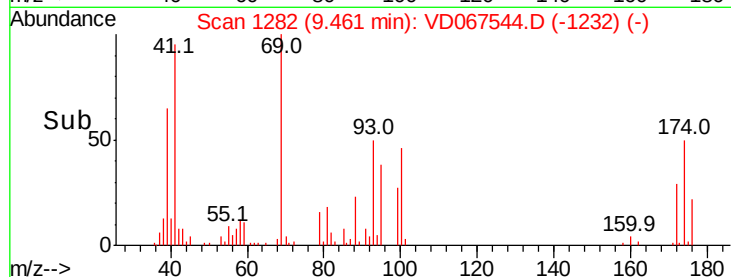
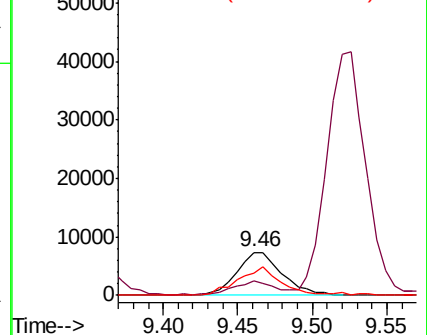
58 60.9 44.7 67.1



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.196 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. -0.00 min

Lab File: VD067544.D

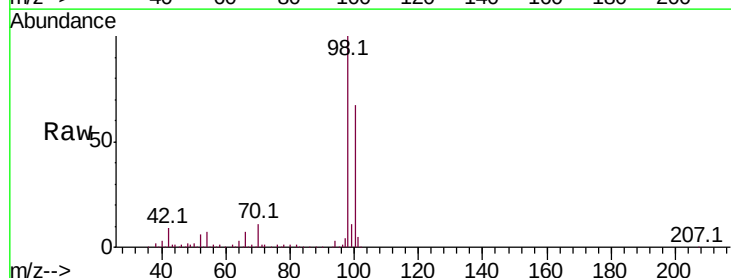
Acq: 06 Nov 2020 09:41

Tgt Ion: 98 Resp: 477141

Ion Ratio Lower Upper

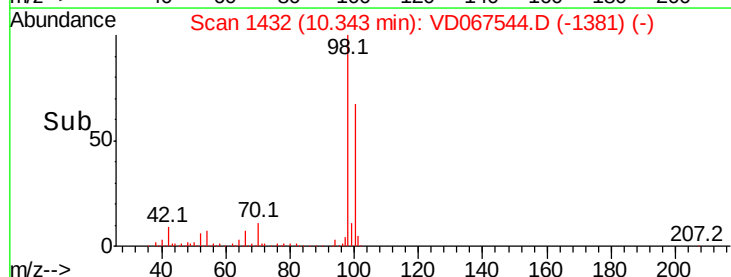
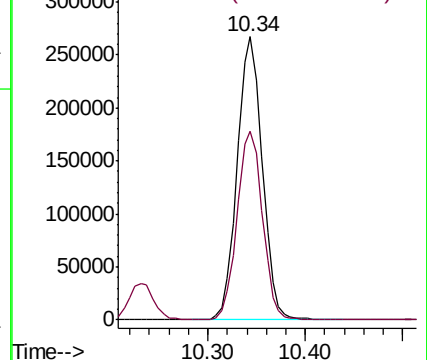
98 100

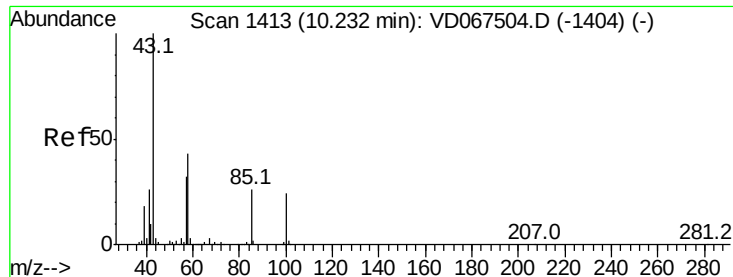
100 67.7 53.0 79.6



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: 272.771 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

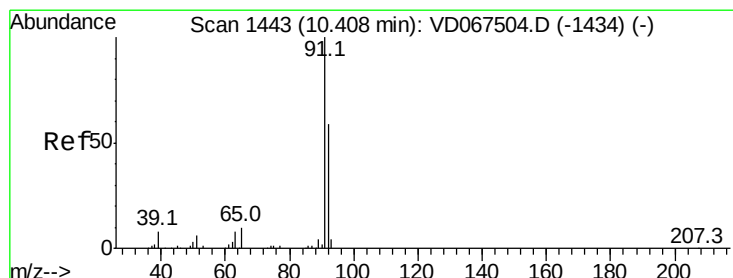
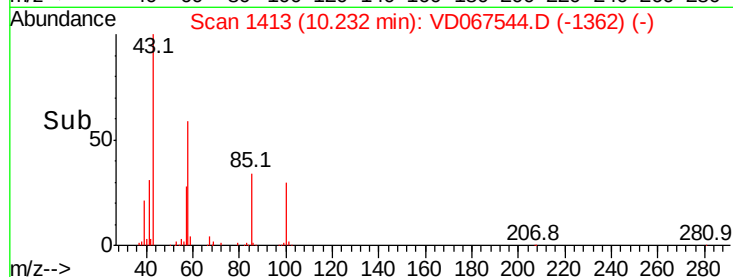
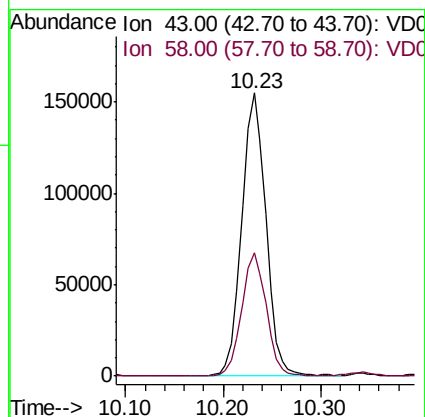
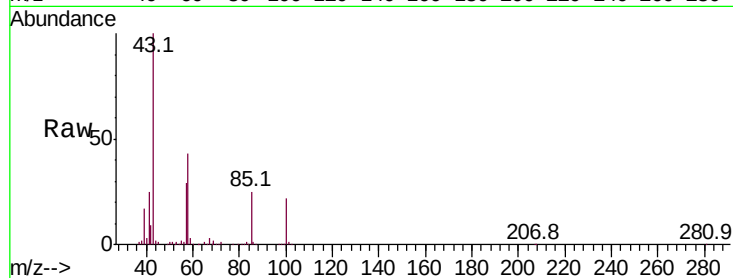
VSTDCCC050

Tot Ion: 43 Resp: 268082

Ion Ratio Lower Upper

43 100

58 44.3 35.6 53.4



#52

Toluene

Concen: 53.528 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. -0.00 min

Lab File: VD067544.D

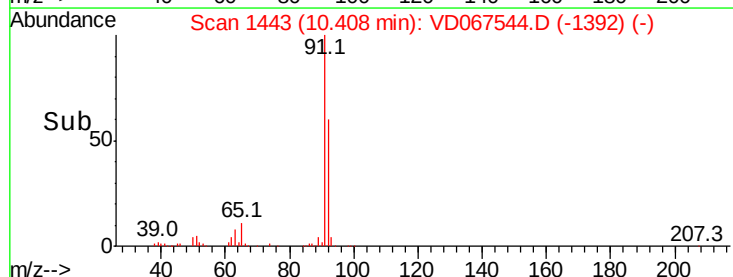
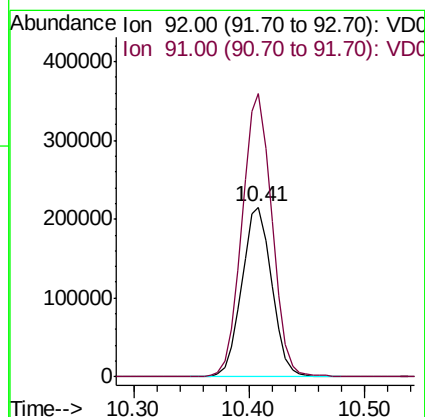
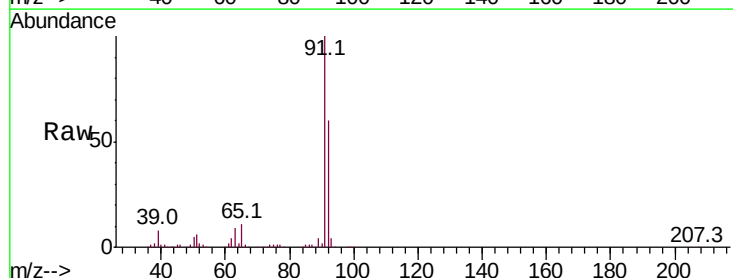
Acq: 06 Nov 2020 09:41

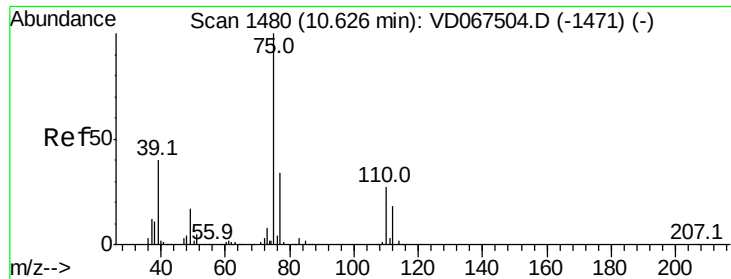
Tgt Ion: 92 Resp: 388700

Ion Ratio Lower Upper

92 100

91 167.0 137.0 205.6

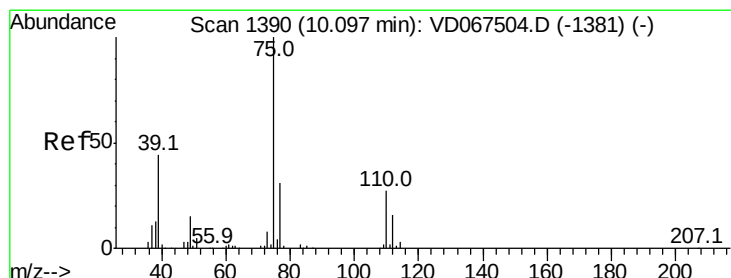
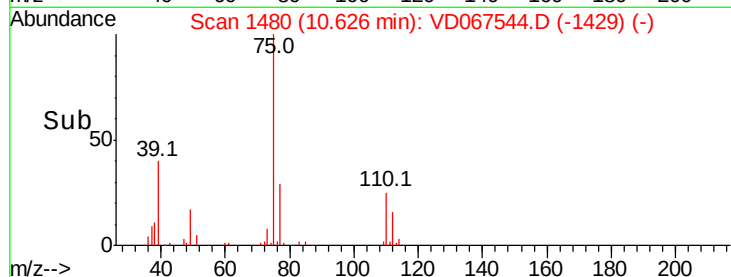
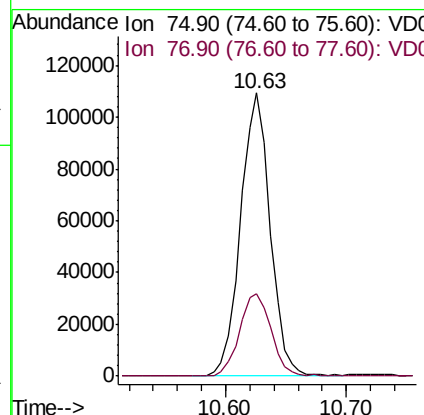
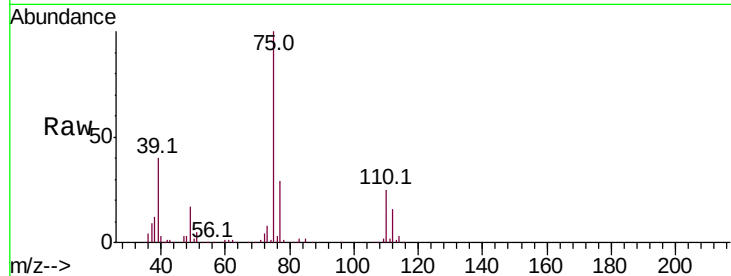




#53
t-1,3-Dichloropropene
Concen: 53.862 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

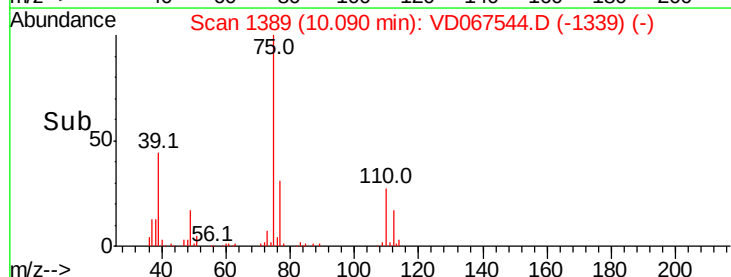
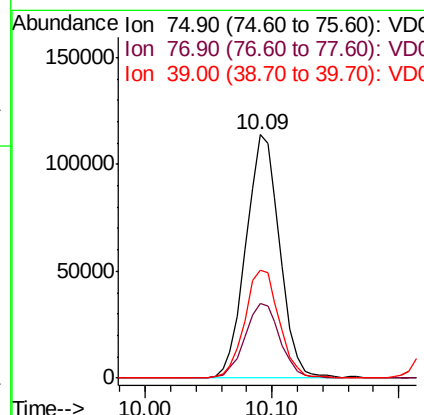
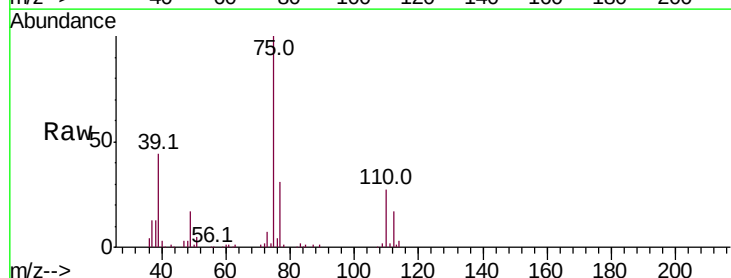
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

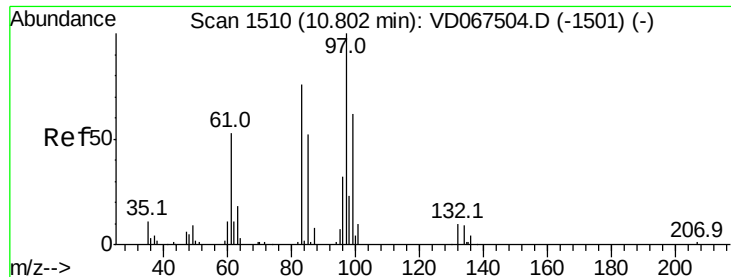
Tot Ion: 75 Resp: 186869
Ion Ratio Lower Upper
75 100
77 29.2 27.0 40.6



#54
cis-1,3-Dichloropropene
Concen: 51.216 ug/l
RT: 10.09 min Scan# 1389
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 75 Resp: 211115
Ion Ratio Lower Upper
75 100
77 30.9 24.4 36.6
39 44.1 35.6 53.4





#55

1,1,2-Trichloroethane

Concen: 52.186 ug/l

RT: 10.81 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 102908

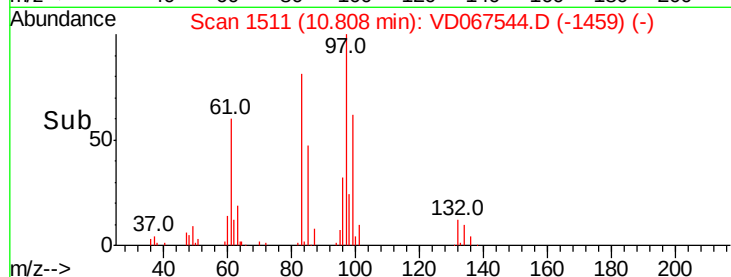
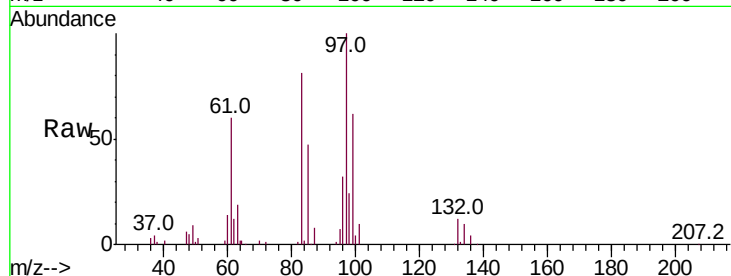
Ion	Ratio	Lower	Upper
97	100		
83	81.0	61.0	91.6
85	47.1	41.5	62.3
99	61.6	49.4	74.2

97 100

83 81.0 61.0 91.6

85 47.1 41.5 62.3

99 61.6 49.4 74.2



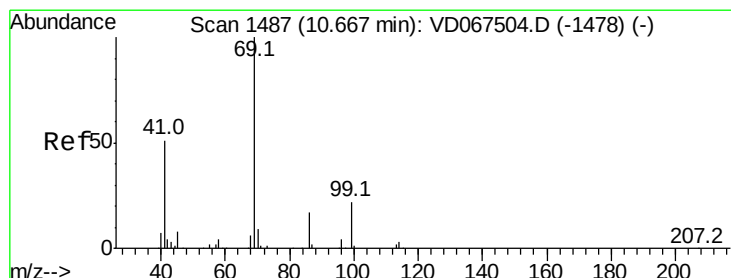
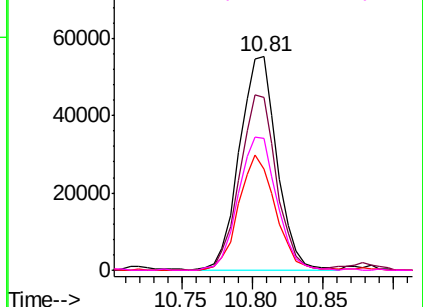
Abundance

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: 54.899 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

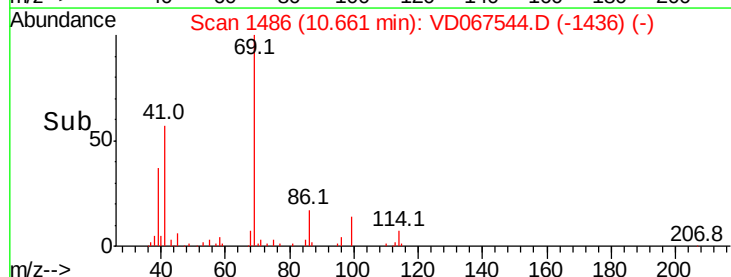
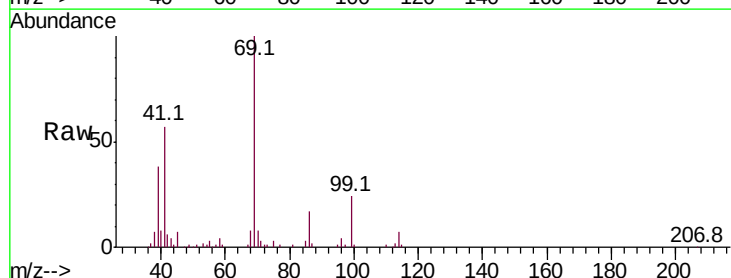
Tgt Ion: 69 Resp: 111794

Ion	Ratio	Lower	Upper
69	100		
41	55.9	45.4	68.0
39	32.3	27.4	41.0

69 100

41 55.9 45.4 68.0

39 32.3 27.4 41.0

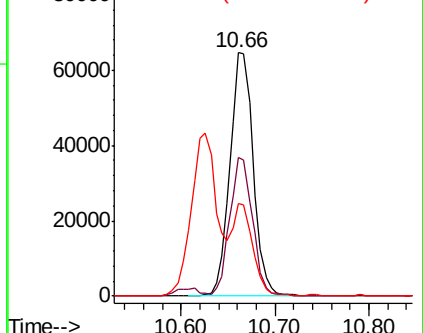


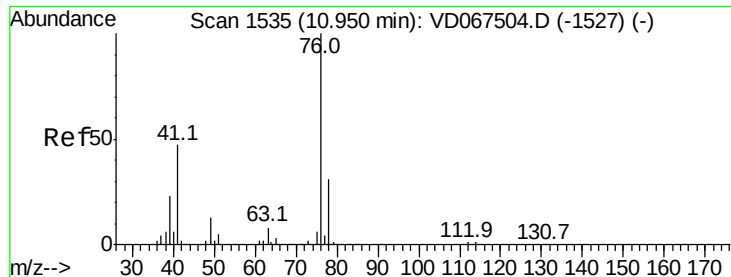
Abundance

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: 51.843 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

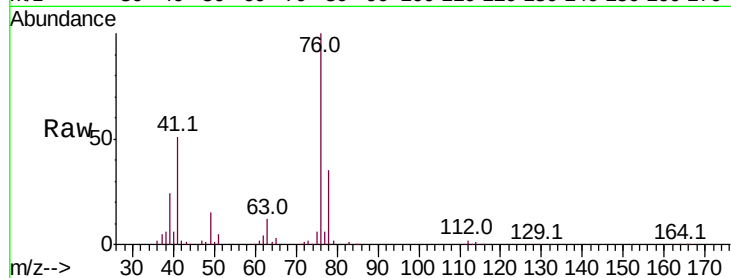
VSTDCCC050

Tot Ion: 76 Resp: 164509

Ion Ratio Lower Upper

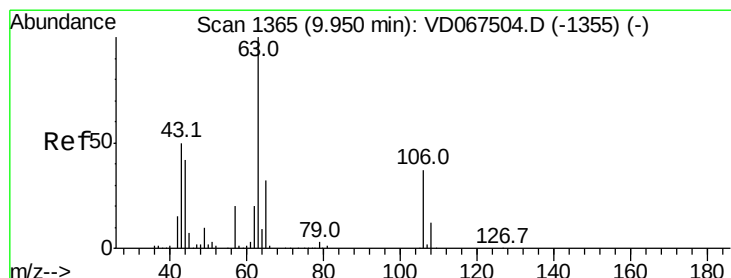
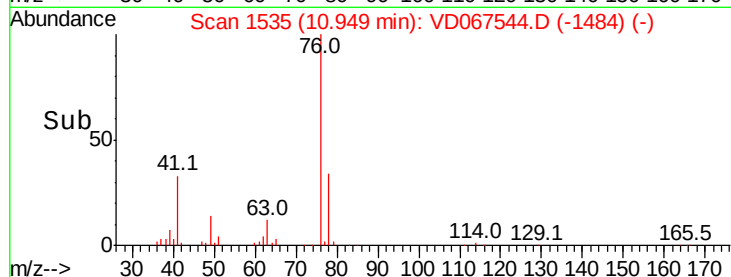
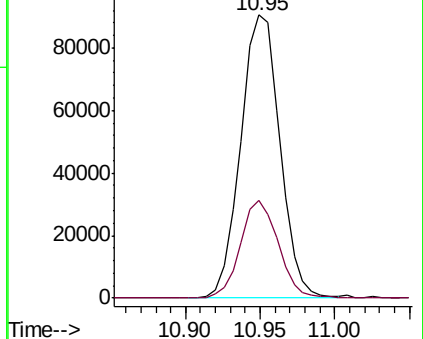
76 100

78 33.4 26.1 39.1



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 261.776 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. -0.01 min

Lab File: VD067544.D

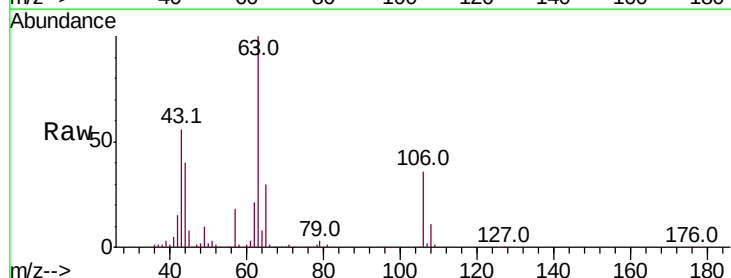
Acq: 06 Nov 2020 09:41

Tgt Ion: 63 Resp: 248589

Ion Ratio Lower Upper

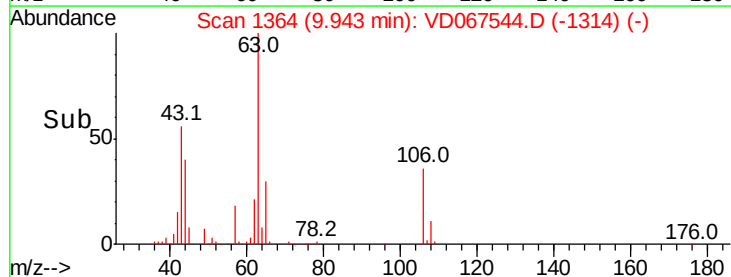
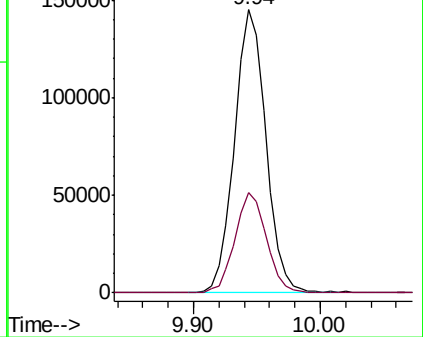
63 100

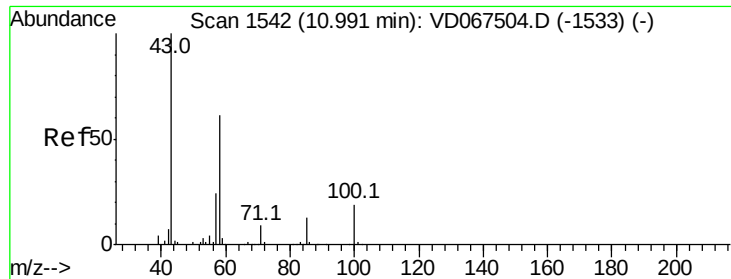
106 35.8 29.2 43.8



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

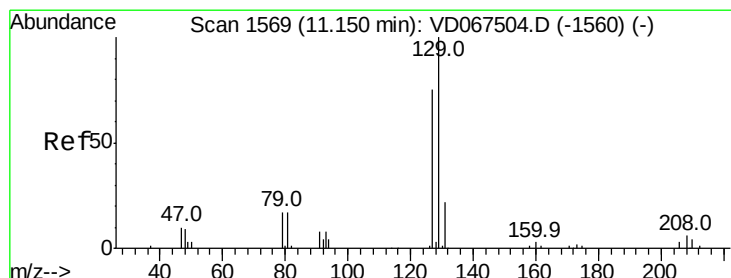
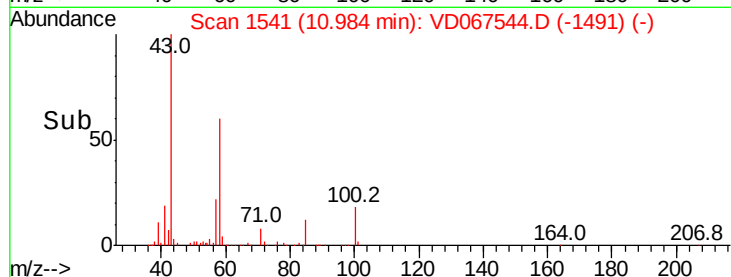
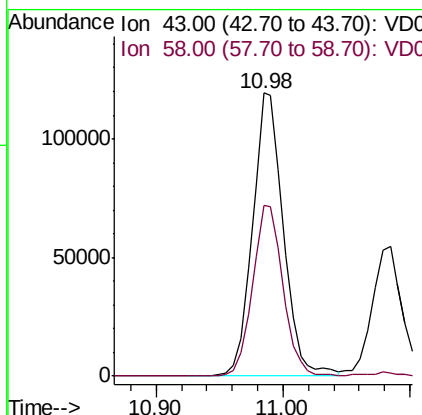
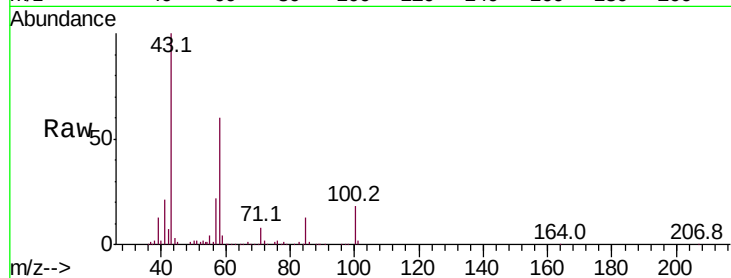




#59
2-Hexanone
Concen: 294.196 ug/l
RT: 10.98 min Scan# 1541
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

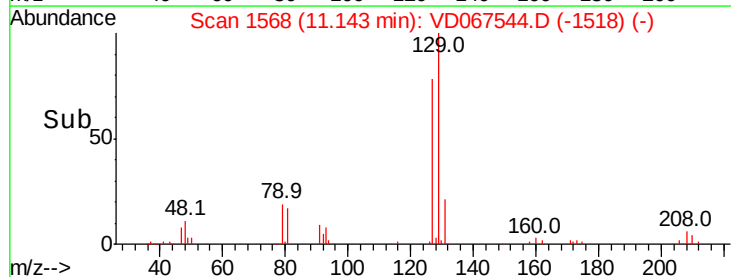
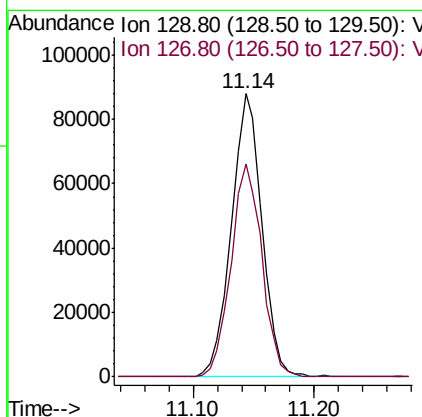
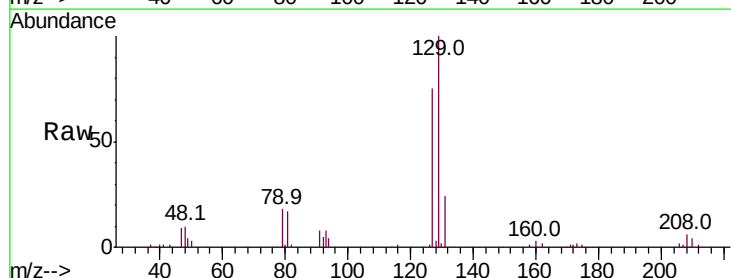
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

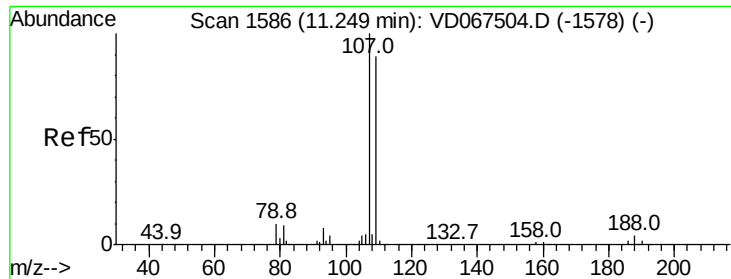
Tot Ion: 43 Resp: 202166
Ion Ratio Lower Upper
43 100
58 59.3 30.3 90.9



#60
Dibromochloromethane
Concen: 53.098 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 129 Resp: 154890
Ion Ratio Lower Upper
129 100
127 76.5 38.0 114.1

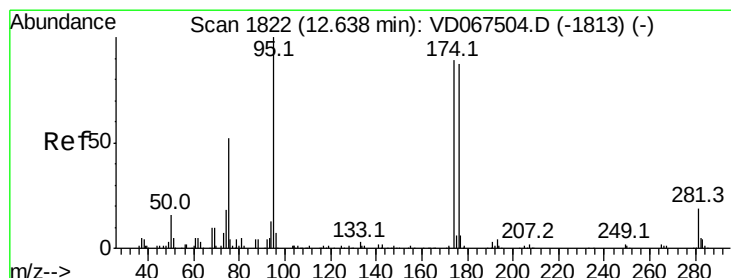
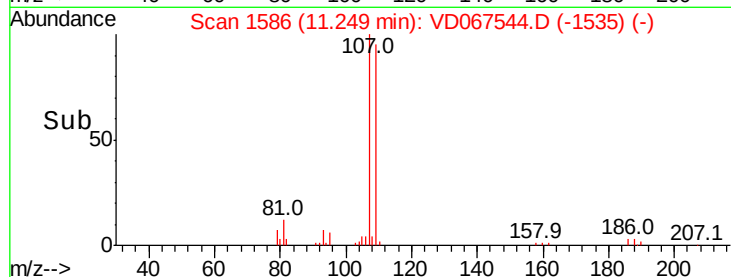
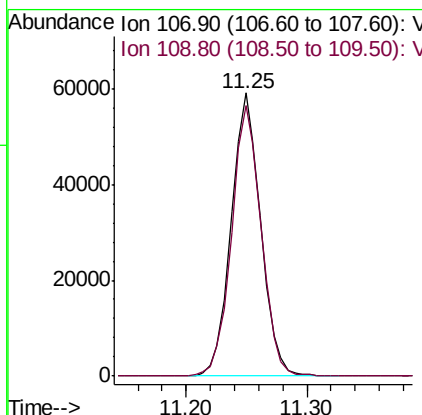
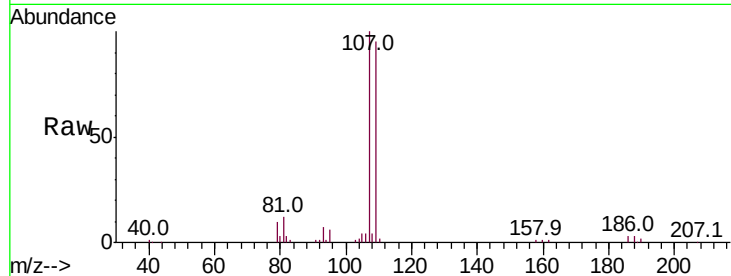




#61
 1,2-Dibromoethane
 Concen: 50.666 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. -0.00 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

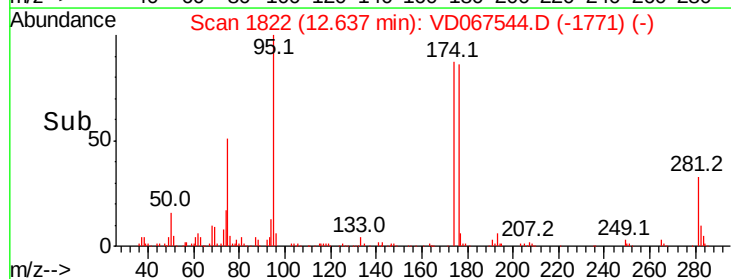
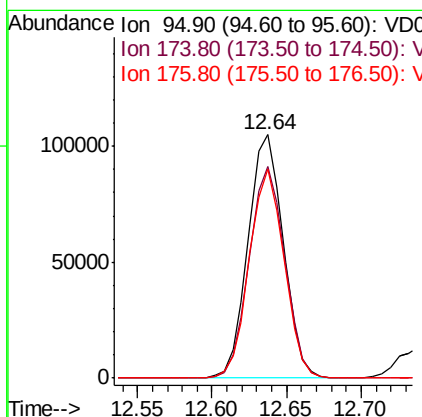
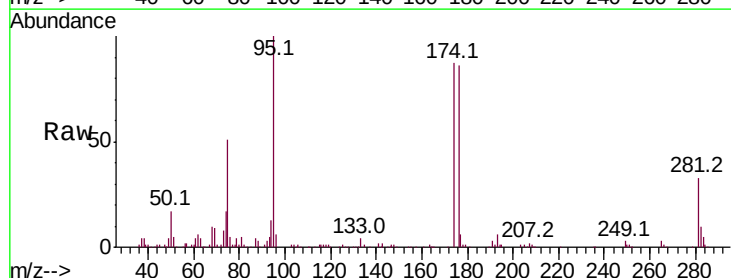
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

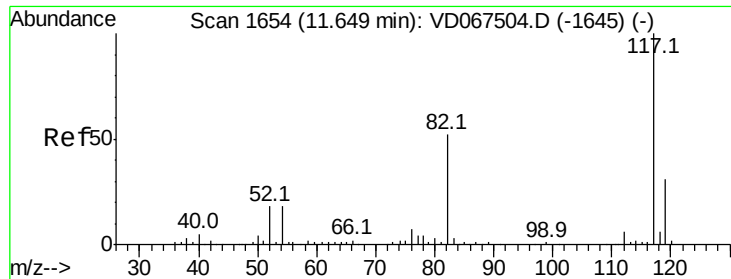
Tot Ion:107 Resp: 100274
 Ion Ratio Lower Upper
 107 100
 109 95.9 74.6 111.8



#62
 4-Bromofluorobenzene
 Concen: 50.119 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.00 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Tgt Ion: 95 Resp: 171305
 Ion Ratio Lower Upper
 95 100
 174 87.7 0.0 177.8
 176 84.9 0.0 172.0

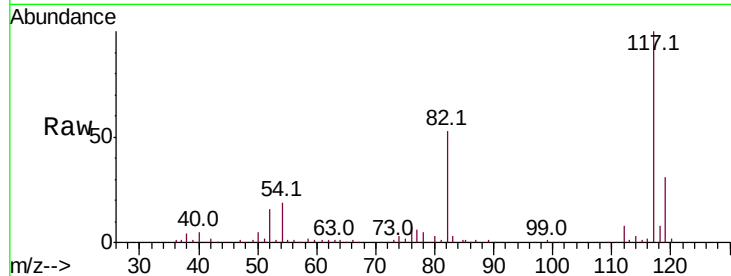




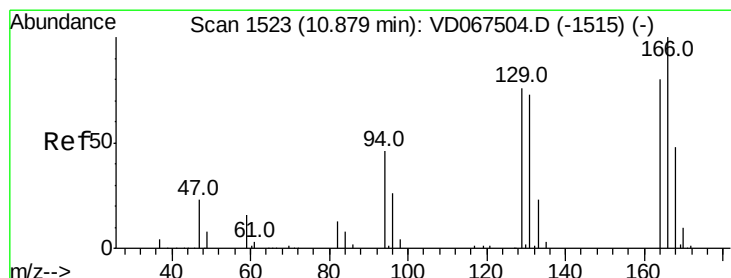
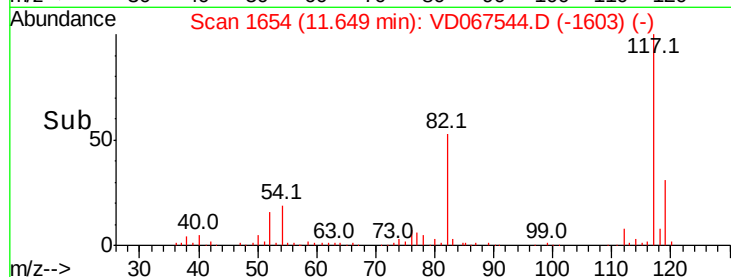
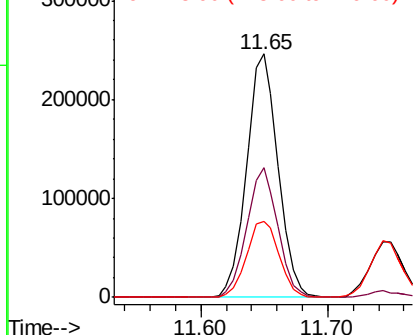
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:117 Resp: 424631
Ion Ratio Lower Upper
117 100
82 53.3 41.6 62.4
119 31.3 25.1 37.7

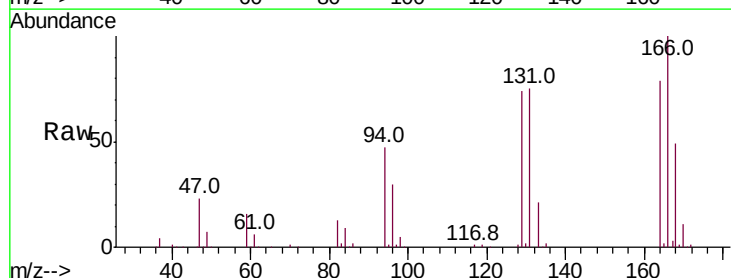


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

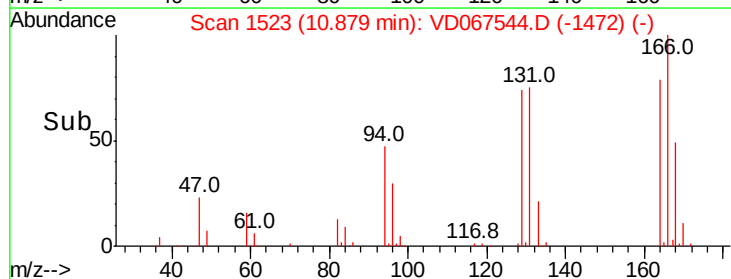
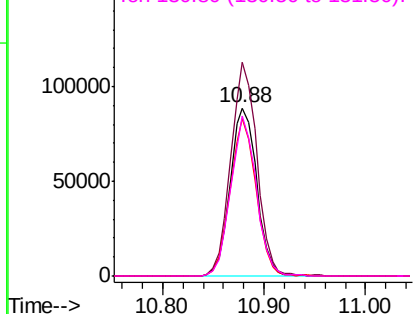


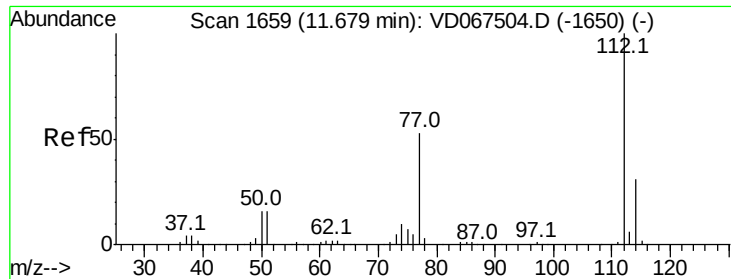
#64
Tetrachloroethene
Concen: 51.369 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion:164 Resp: 161545
Ion Ratio Lower Upper
164 100
166 127.1 99.9 149.9
129 94.0 75.5 113.3
131 95.2 73.4 110.0



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

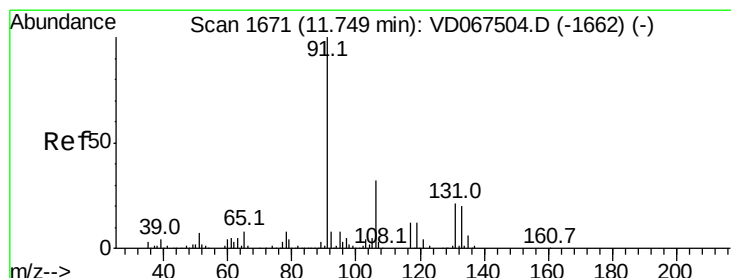
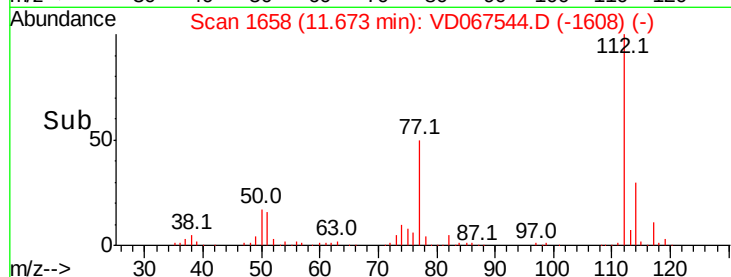
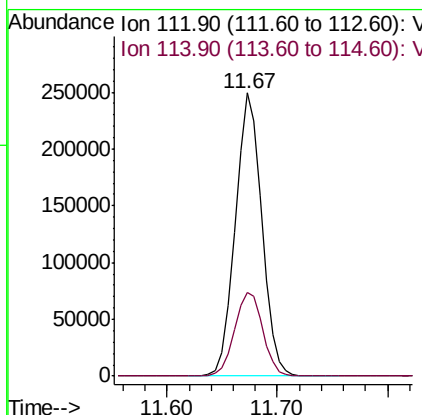
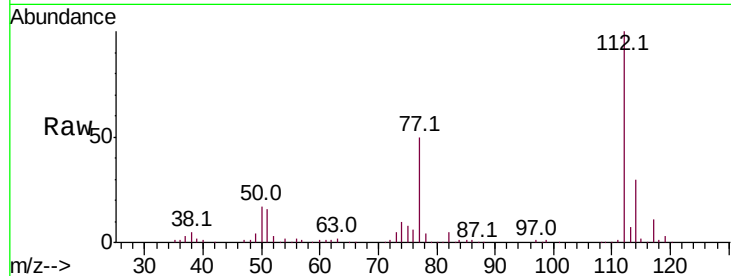




#65
Chlorobenzene
Concen: 51.440 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

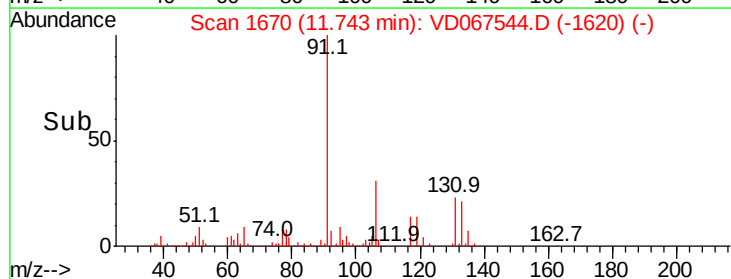
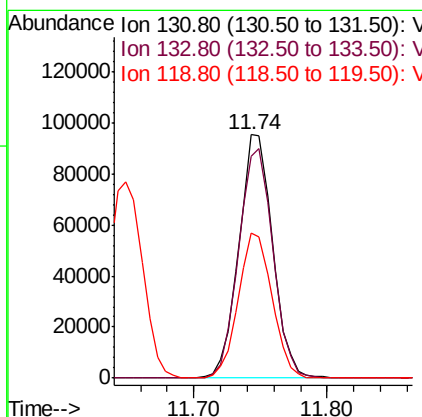
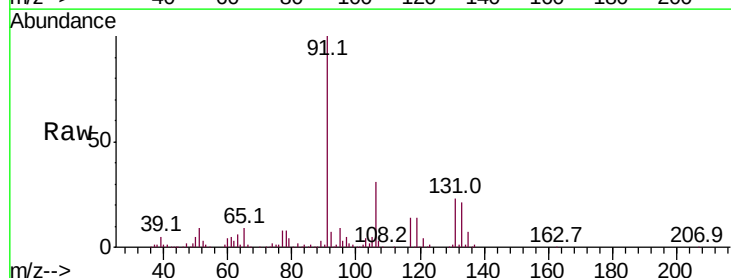
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

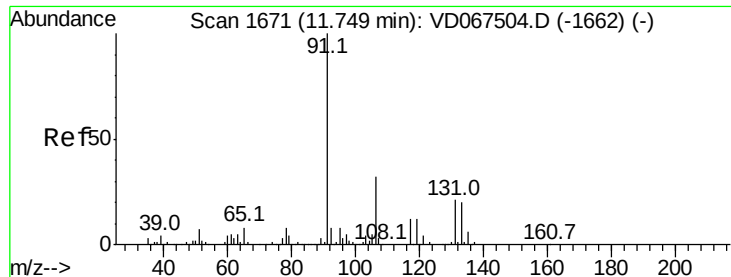
Tot Ion:112 Resp: 420755
Ion Ratio Lower Upper
112 100
114 29.6 24.9 37.3



#66
1,1,1,2-Tetrachloroethane
Concen: 51.676 ug/l
RT: 11.74 min Scan# 1670
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion:131 Resp: 166595
Ion Ratio Lower Upper
131 100
133 95.7 48.0 144.0
119 60.0 30.1 90.5





#67

Ethyl Benzene

Concen: 52.681 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

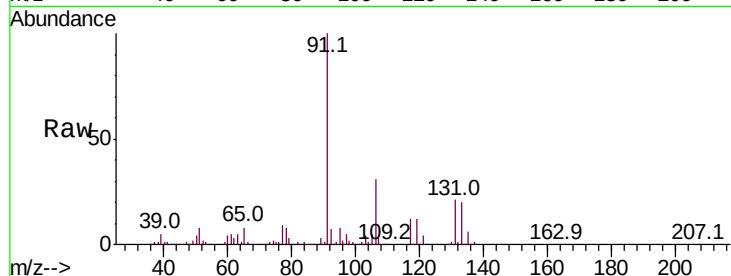
VSTDCCC050

Tot Ion: 91 Resp: 737371

Ion Ratio Lower Upper

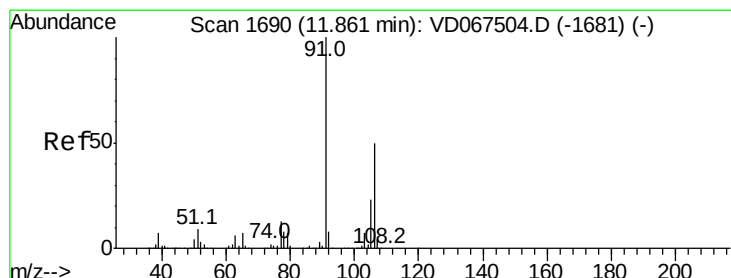
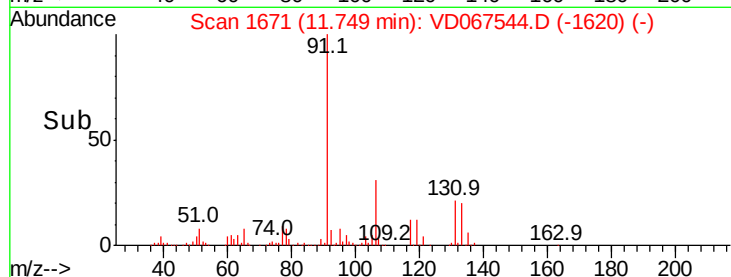
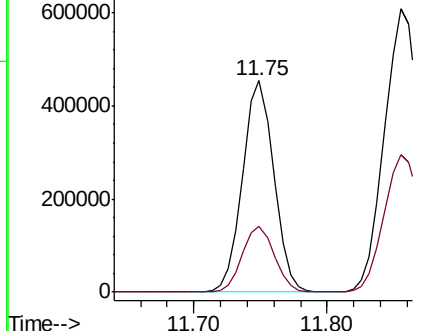
91 100

106 31.0 25.7 38.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 105.051 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.01 min

Lab File: VD067544.D

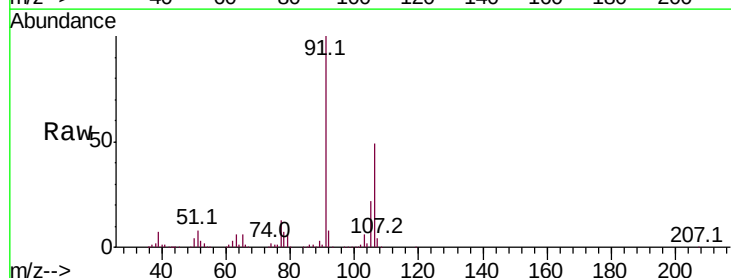
Acq: 06 Nov 2020 09:41

Tgt Ion: 106 Resp: 572043

Ion Ratio Lower Upper

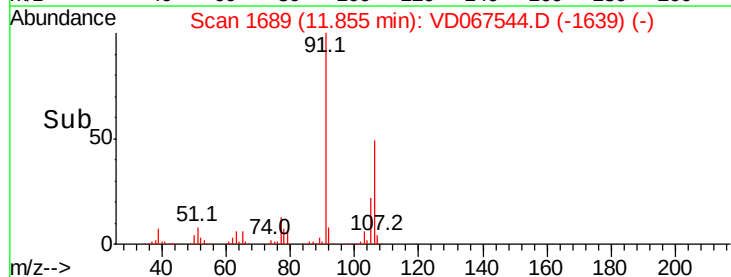
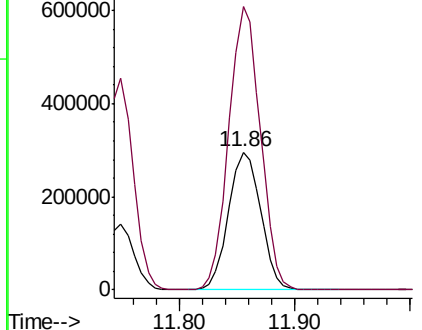
106 100

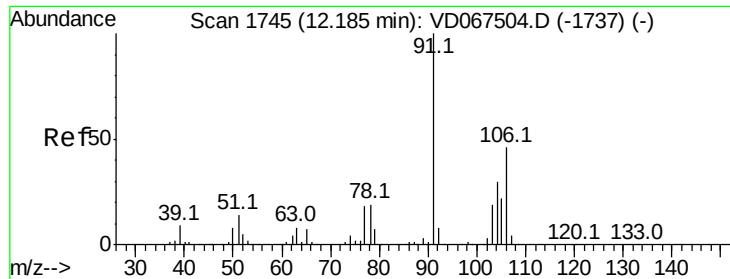
91 202.1 162.6 244.0



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

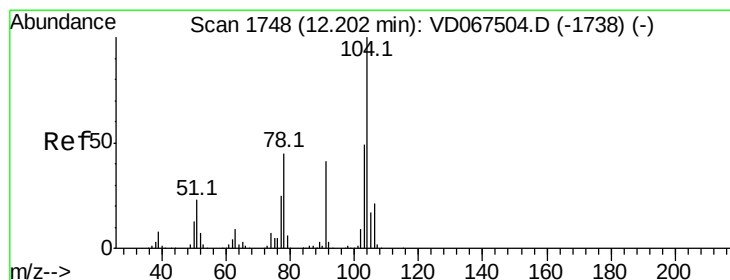
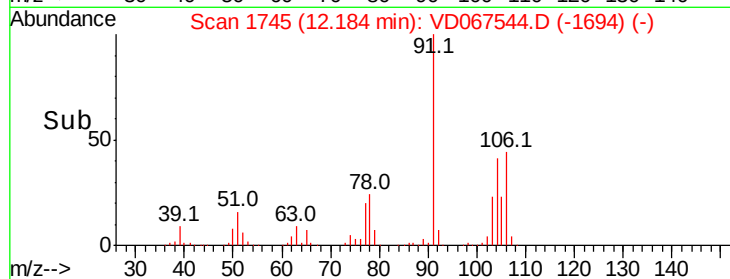
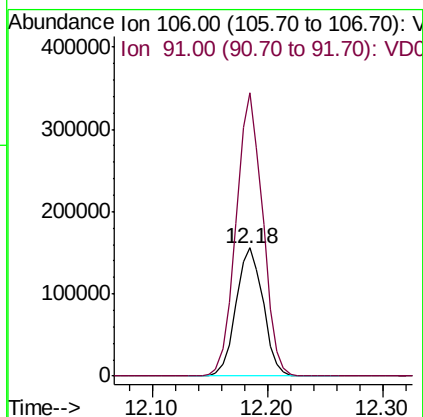
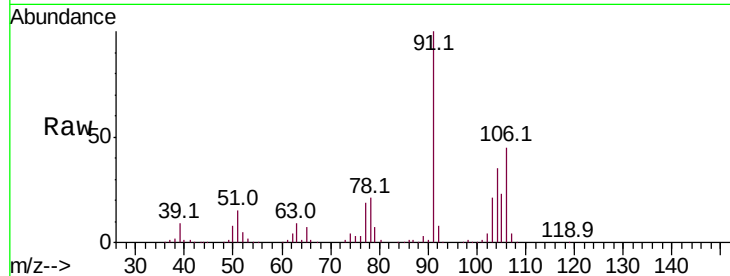




#69
o-Xylene
Concen: 52.100 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

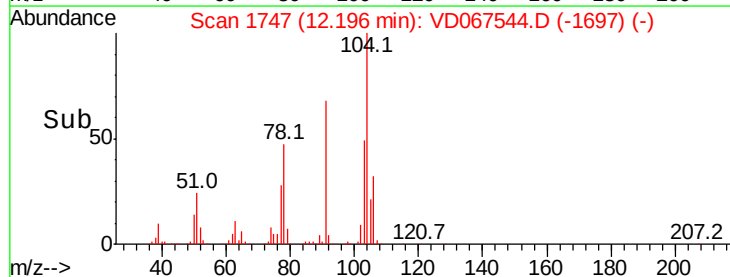
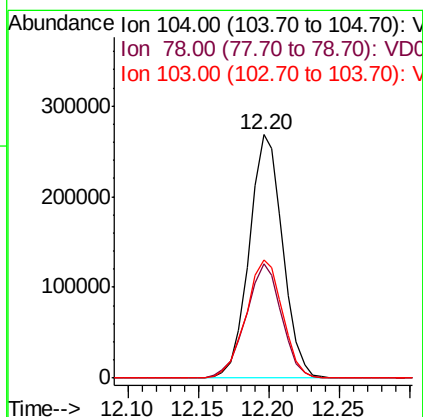
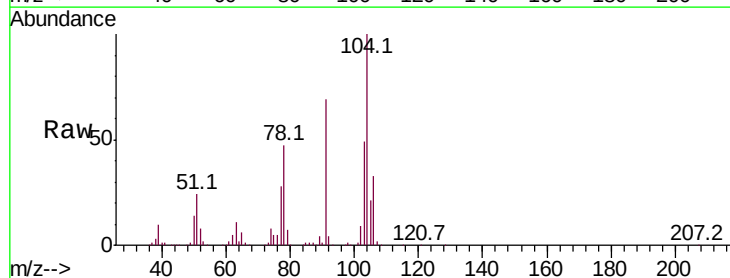
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

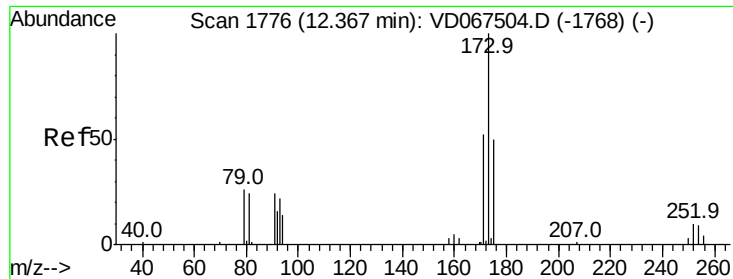
Tot Ion:106 Resp: 253298
Ion Ratio Lower Upper
106 100
91 216.3 107.1 321.1



#70
Styrene
Concen: 52.711 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion:104 Resp: 446552
Ion Ratio Lower Upper
104 100
78 50.1 39.8 59.8
103 53.4 43.9 65.9





#71

Bromoform

Concen: 53.408 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

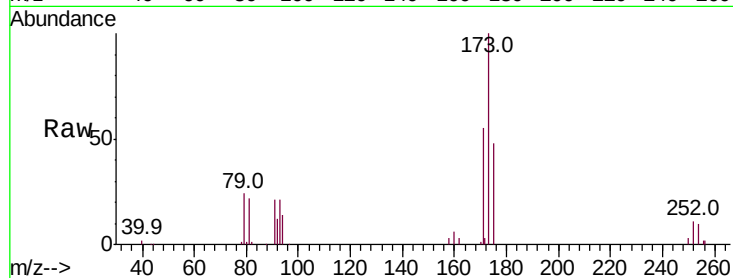
Tot Ion:173 Resp: 87812

Ion Ratio Lower Upper

173 100

175 48.1 24.1 72.2

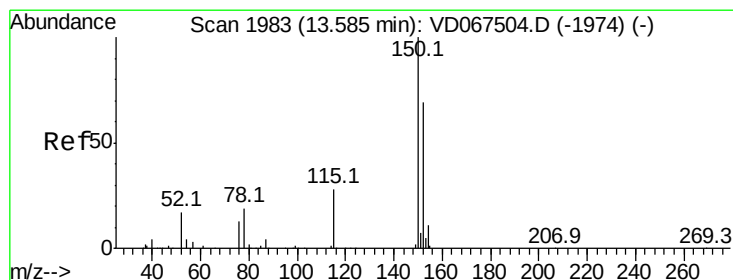
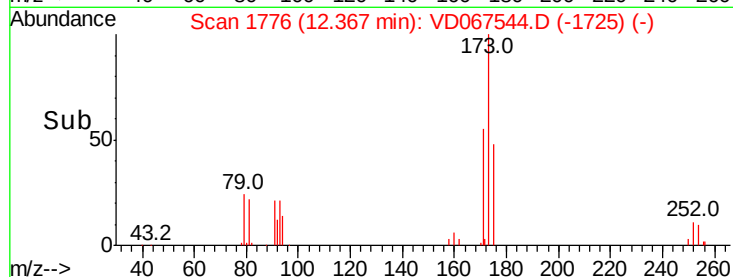
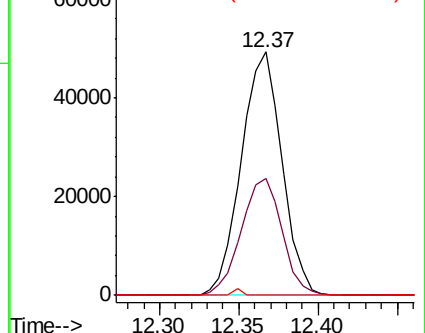
254 0.5 0.0 0.0#



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: VD067544.D

Acq: 06 Nov 2020 09:41

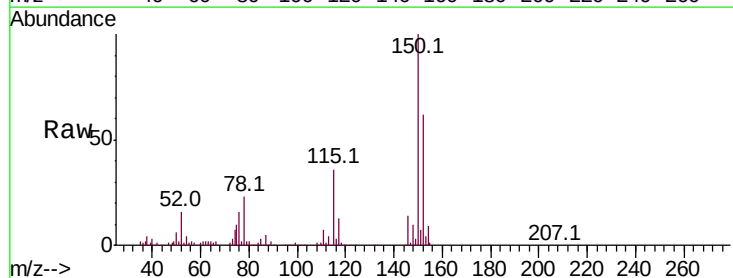
Tgt Ion:152 Resp: 215183

Ion Ratio Lower Upper

152 100

115 58.0 29.3 88.0

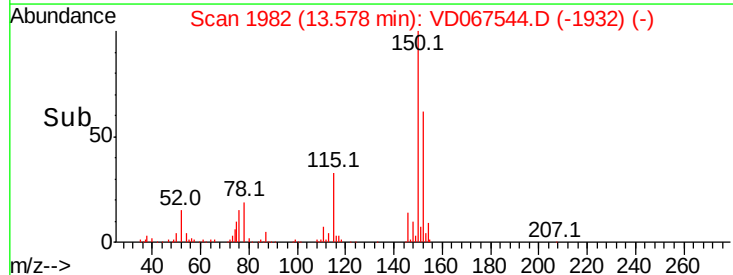
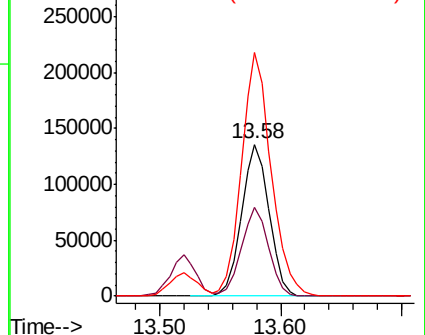
150 172.9 0.0 338.2

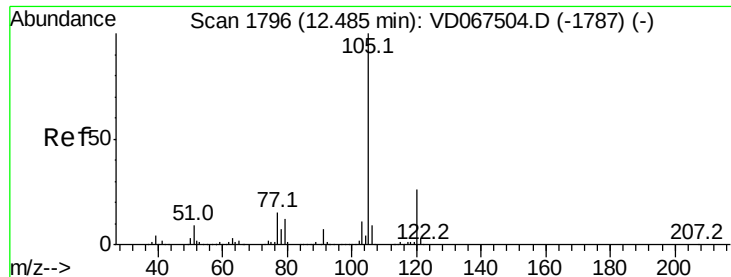


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 51.790 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

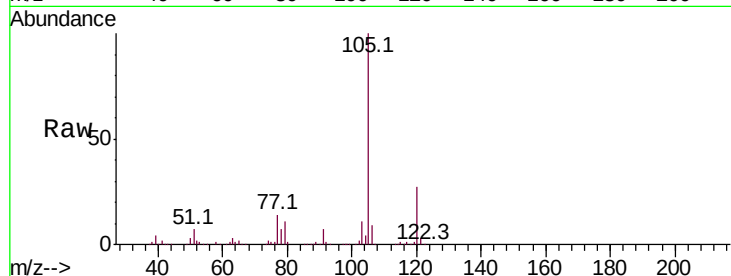
VSTDCCC050

Tot Ion:105 Resp: 720245

Ion Ratio Lower Upper

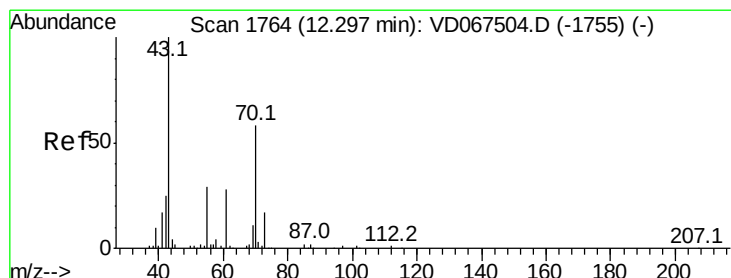
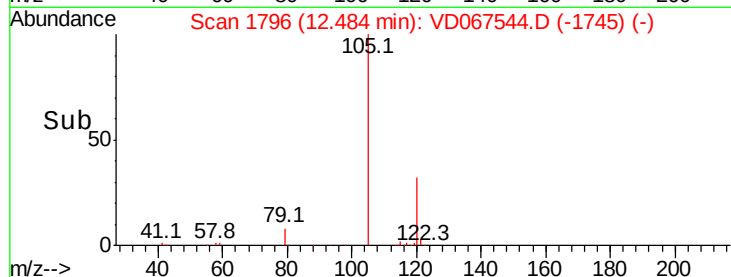
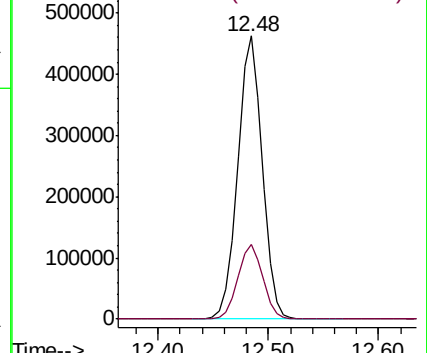
105 100

120 26.9 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 52.891 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Tgt Ion: 43 Resp: 96787

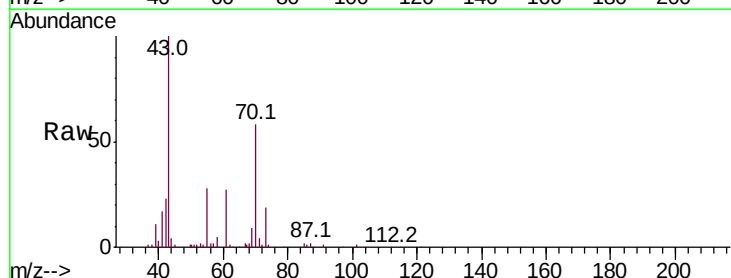
Ion Ratio Lower Upper

43 100

70 54.5 42.6 64.0

55 30.8 23.7 35.5

61 27.4 21.9 32.9

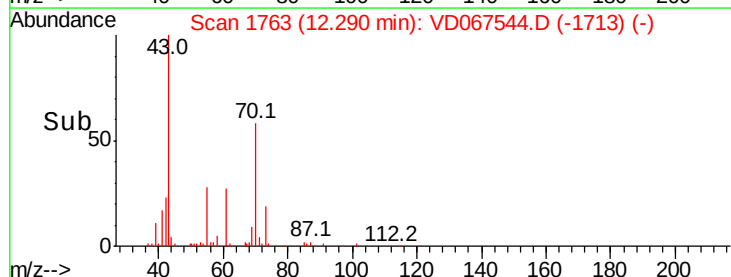
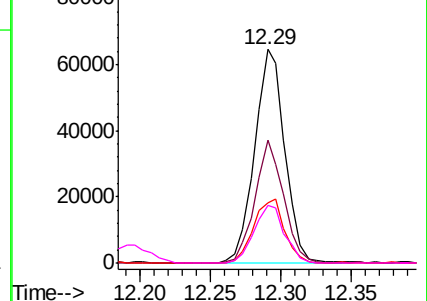


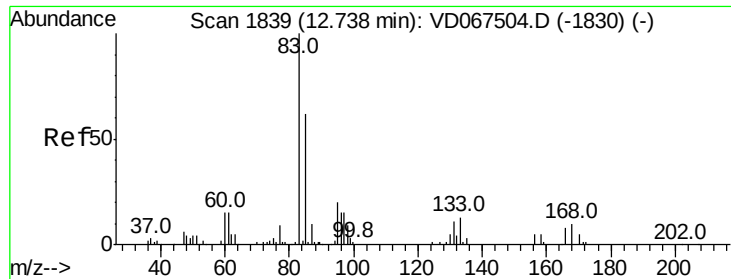
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 51.779 ug/l

RT: 12.73 min Scan# 1838

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

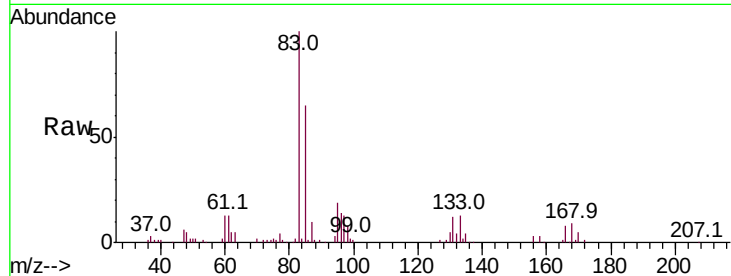
Tot Ion: 83 Resp: 98192

Ion Ratio Lower Upper

83 100

131 14.1 7.1 21.3

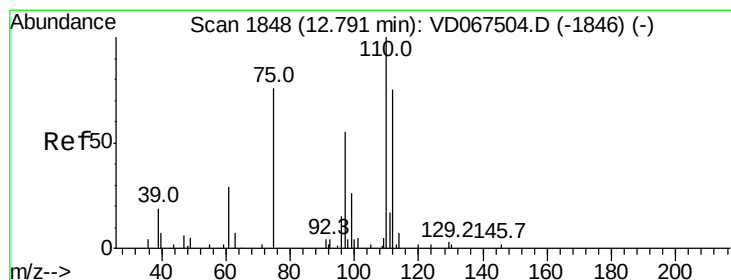
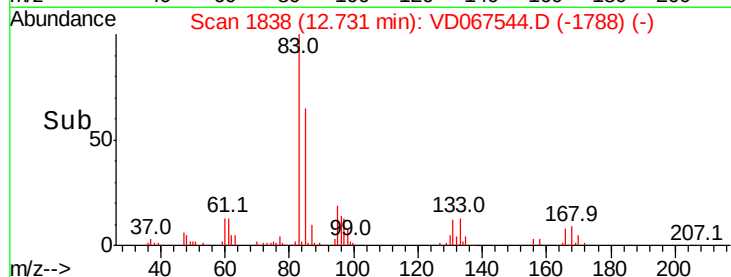
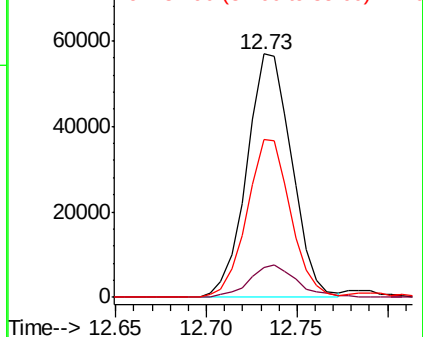
85 63.1 32.9 98.7



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 130.80 (130.50 to 131.50): VDC

Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 105.162 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067544.D

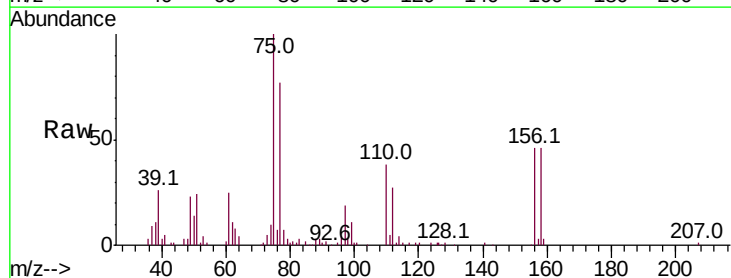
Acq: 06 Nov 2020 09:41

Tgt Ion: 75 Resp: 136511

Ion Ratio Lower Upper

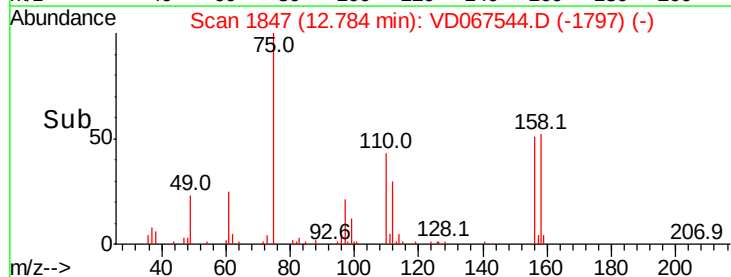
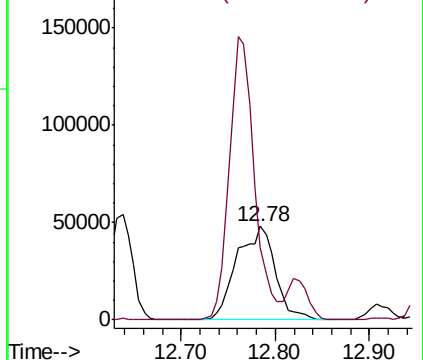
75 100

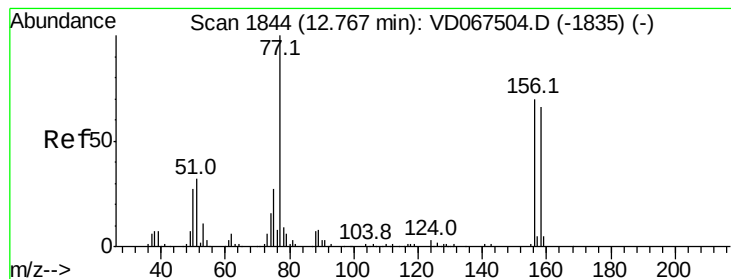
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 51.474 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

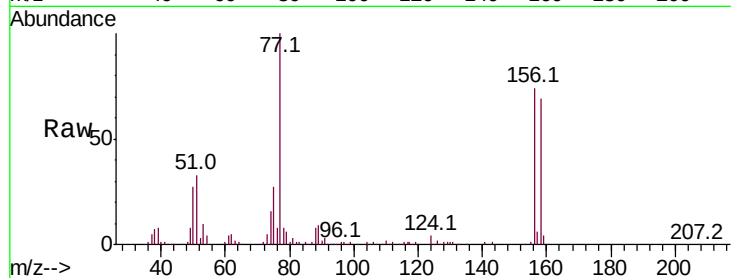
Tot Ion:156 Resp: 175802

Ion Ratio Lower Upper

156 100

77 152.3 77.8 233.5

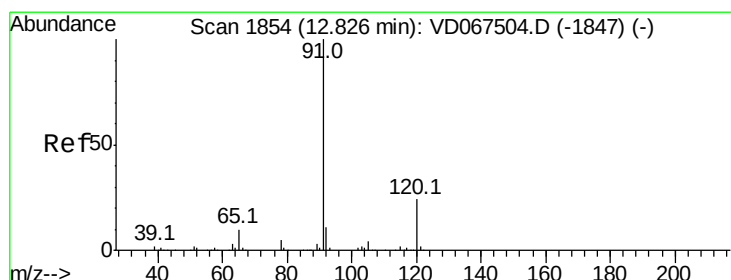
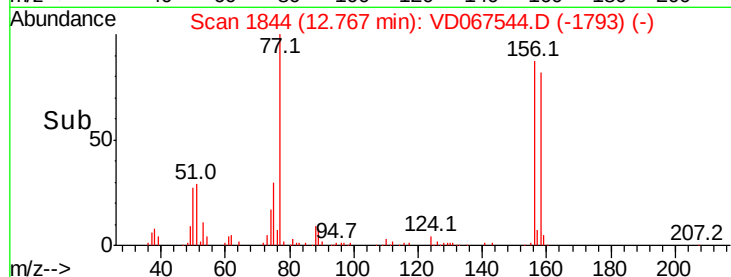
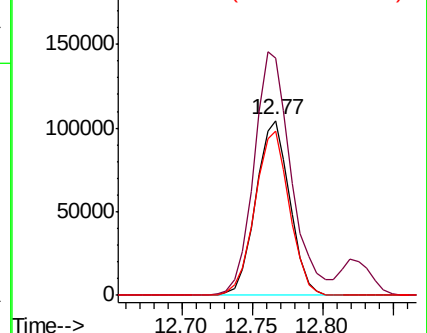
158 95.9 47.9 143.7



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): V

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 51.423 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. -0.00 min

Lab File: VD067544.D

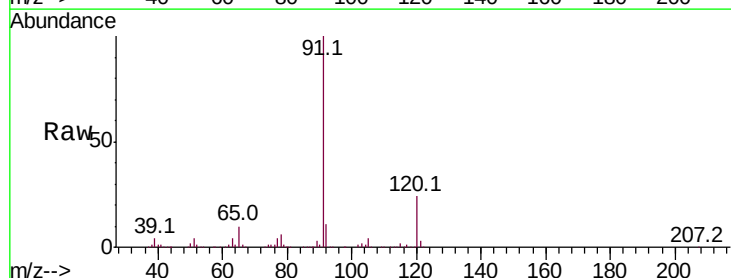
Acq: 06 Nov 2020 09:41

Tgt Ion: 91 Resp: 817991

Ion Ratio Lower Upper

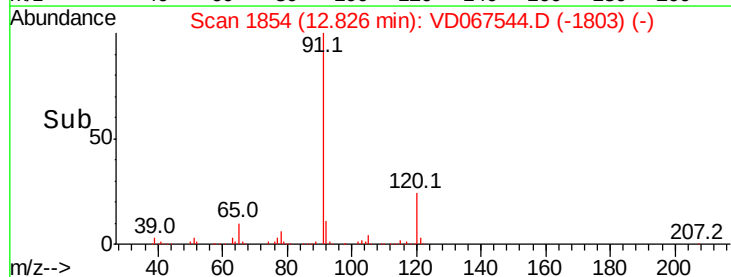
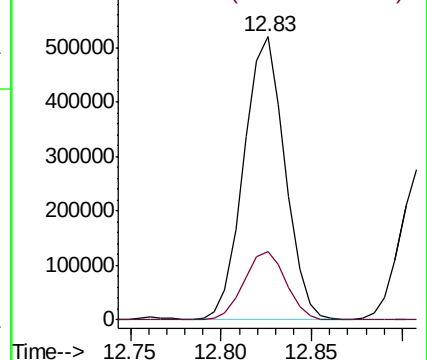
91 100

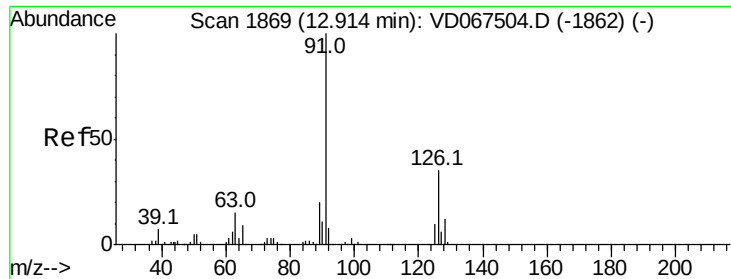
120 24.6 12.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.015 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

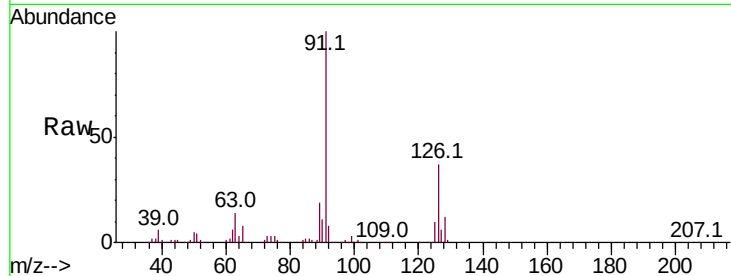
VSTDCCC050

Tot Ion: 91 Resp: 470010

Ion Ratio Lower Upper

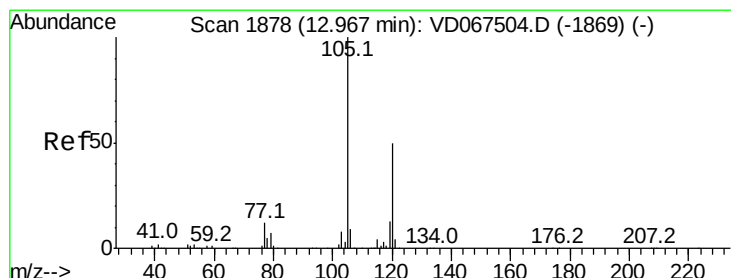
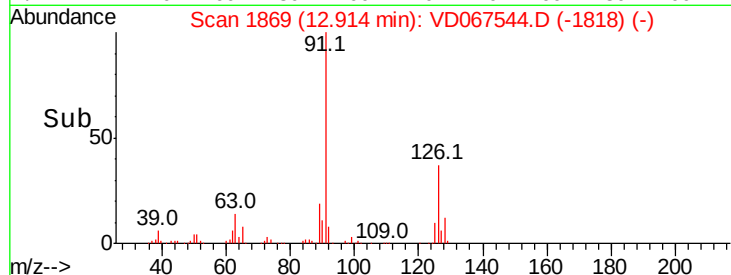
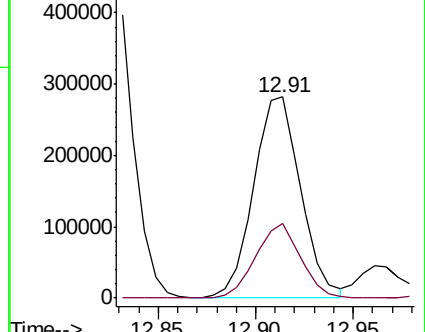
91 100

126 35.4 17.8 53.4



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 125.90 (125.60 to 126.60): V



#80

1,3,5-Trimethylbenzene

Concen: 52.511 ug/l

RT: 12.96 min Scan# 1877

Delta R.T. -0.01 min

Lab File: VD067544.D

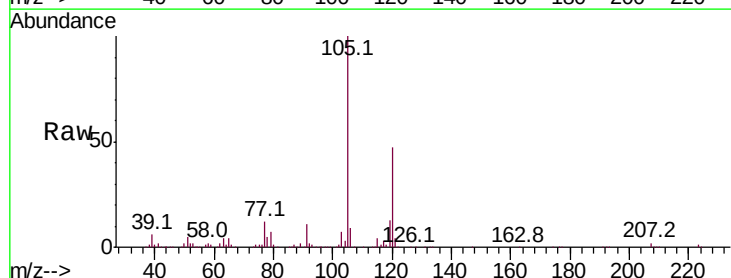
Acq: 06 Nov 2020 09:41

Tgt Ion: 105 Resp: 623824

Ion Ratio Lower Upper

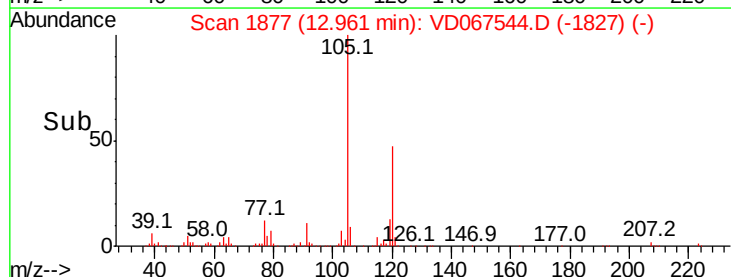
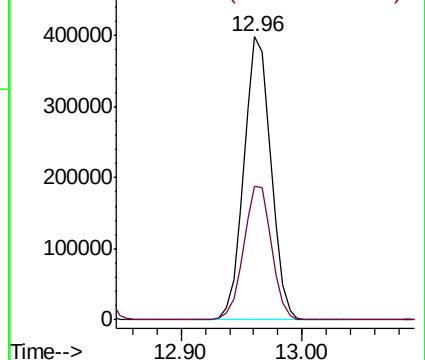
105 100

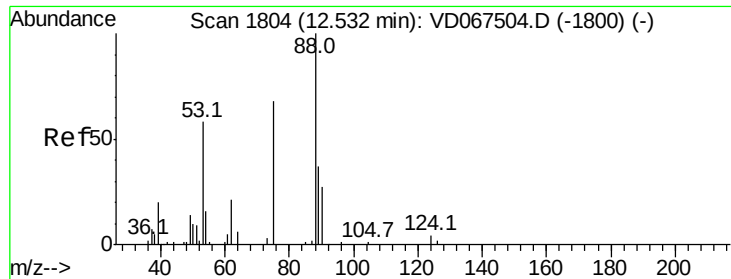
120 48.6 24.3 72.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 51.991 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

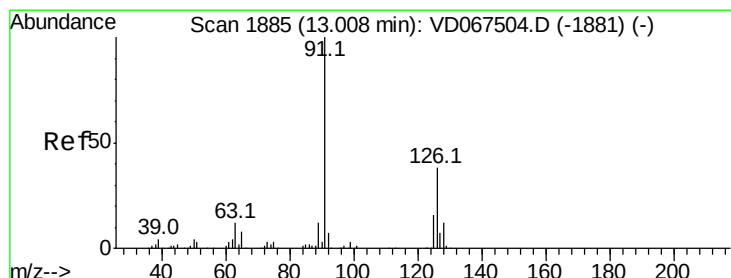
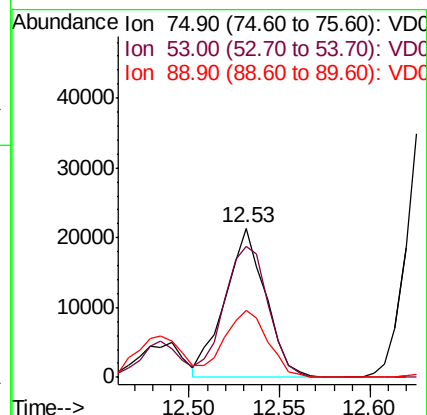
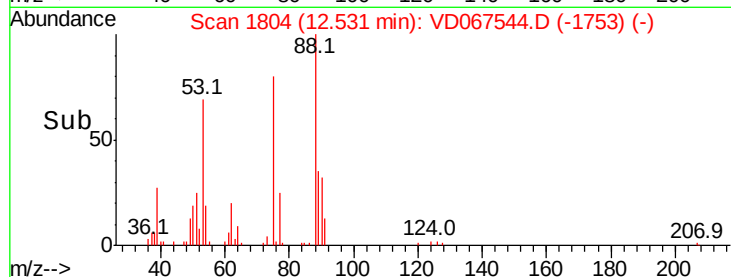
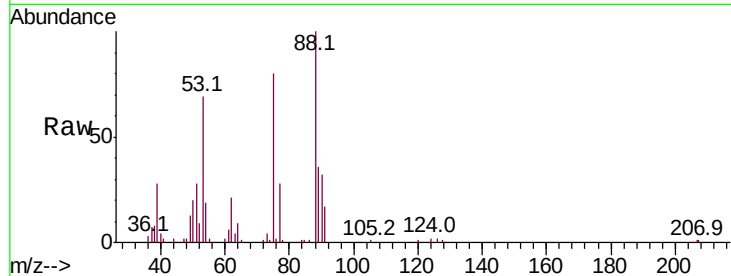
Tot Ion: 75 Resp: 33242

Ion Ratio Lower Upper

75 100

53 95.5 75.9 113.9

89 46.9 44.6 67.0



#82

4-Chlorotoluene

Concen: 51.624 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067544.D

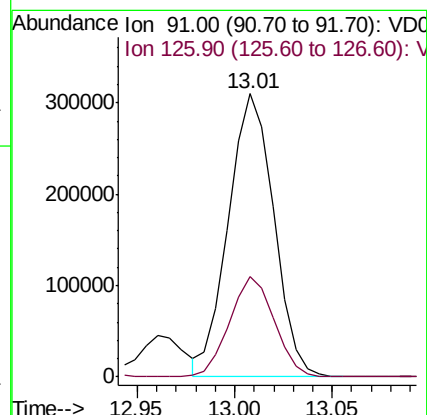
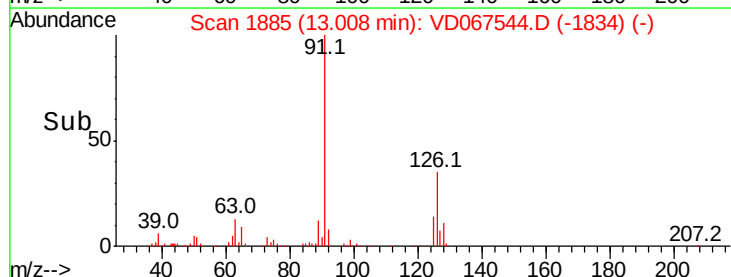
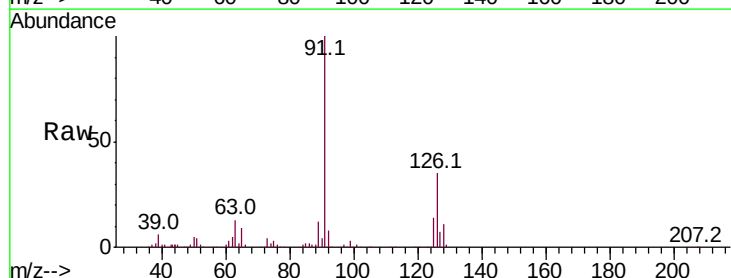
Acq: 06 Nov 2020 09:41

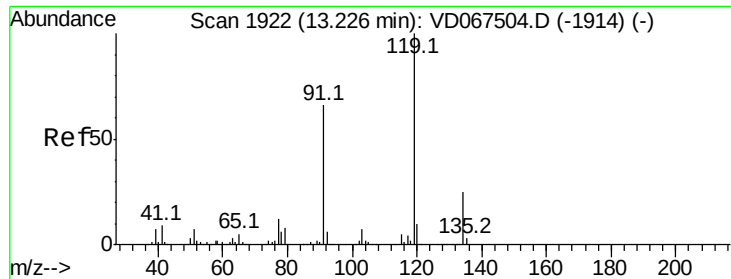
Tgt Ion: 91 Resp: 500292

Ion Ratio Lower Upper

91 100

126 35.0 17.9 53.7

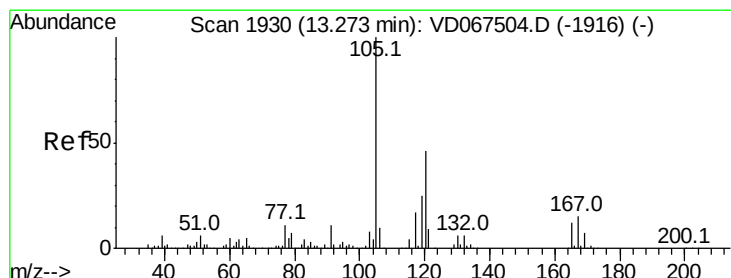
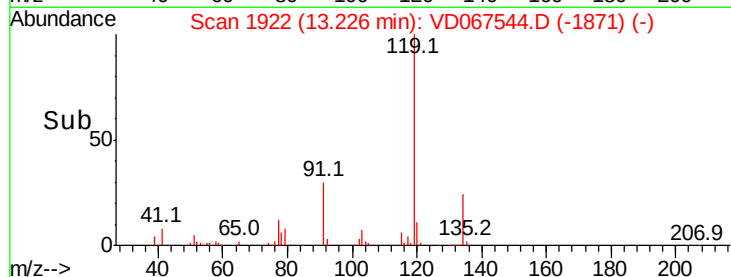
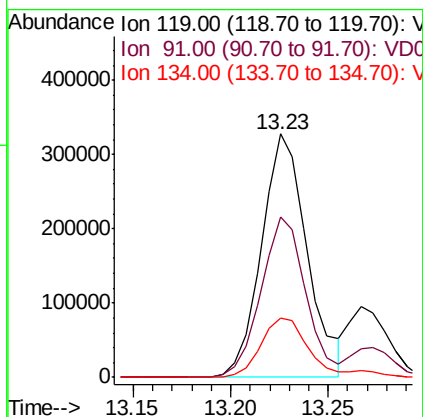
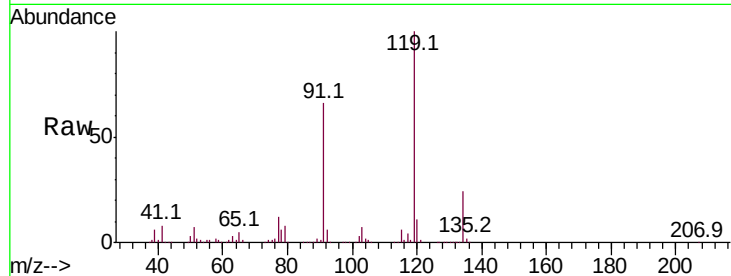




#83
tert-Butylbenzene
Concen: 52.891 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

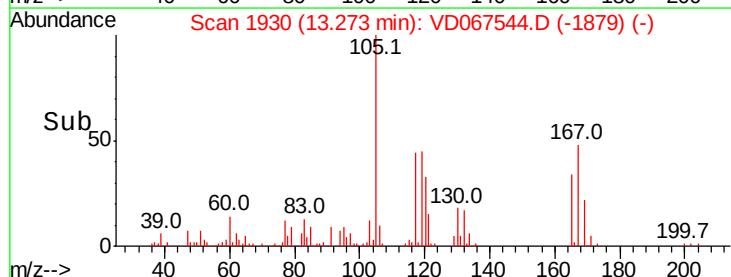
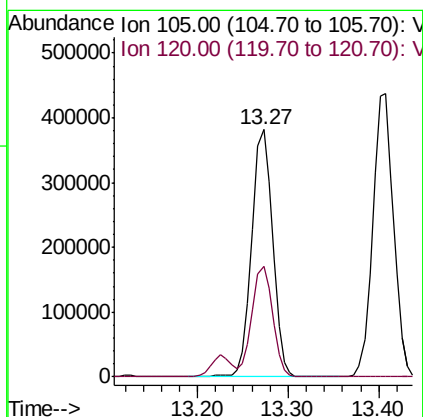
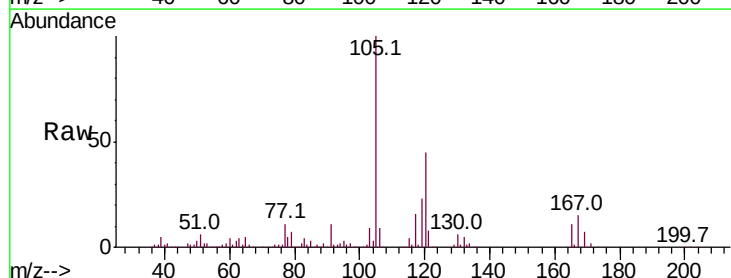
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

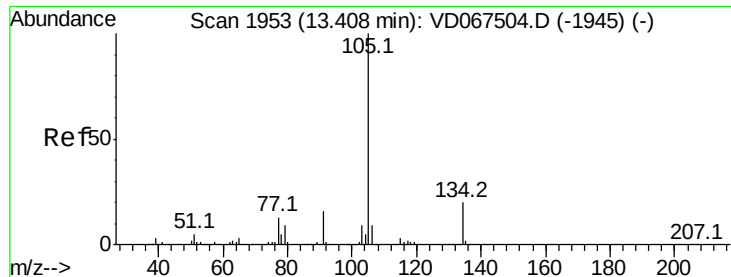
Tot Ion:119 Resp: 532529
Ion Ratio Lower Upper
119 100
91 64.4 32.7 98.1
134 26.6 13.4 40.2



#84
1,2,4-Trimethylbenzene
Concen: 51.870 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion:105 Resp: 613385
Ion Ratio Lower Upper
105 100
120 44.3 22.1 66.1





#85

sec-Butylbenzene

Concen: 51.159 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

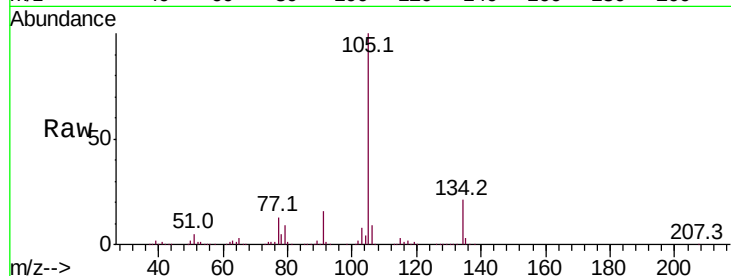
VSTDCCC050

Tot Ion:105 Resp: 695347

Ion Ratio Lower Upper

105 100

134 21.0 10.4 31.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.41

400000

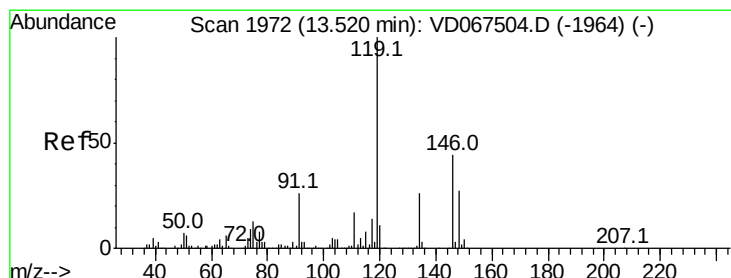
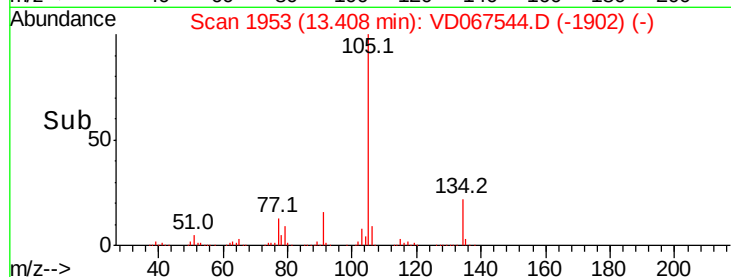
300000

200000

100000

0

Time--> 13.30 13.40 13.50



#86

p-Isopropyltoluene

Concen: 51.037 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

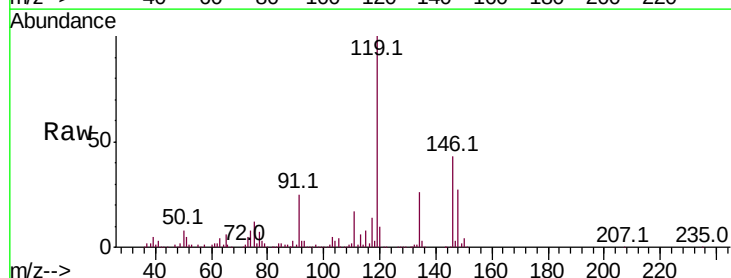
Tgt Ion:119 Resp: 669865

Ion Ratio Lower Upper

119 100

134 26.2 13.1 39.3

91 24.7 12.2 36.4



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.52

600000

500000

400000

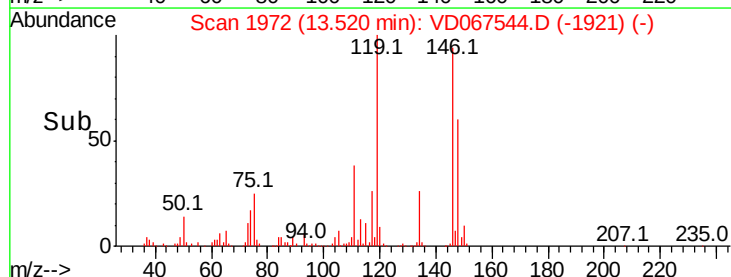
300000

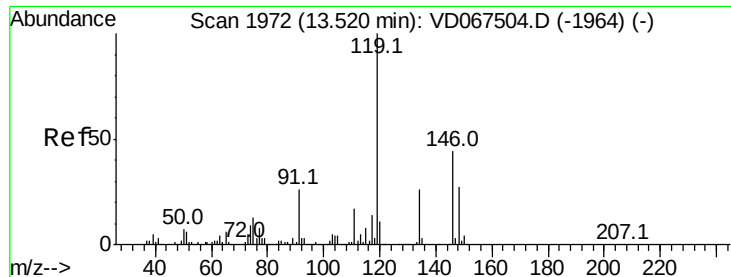
200000

100000

0

Time--> 13.45 13.50 13.55 13.60





#87

1,3-Dichlorobenzene

Concen: 50.180 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

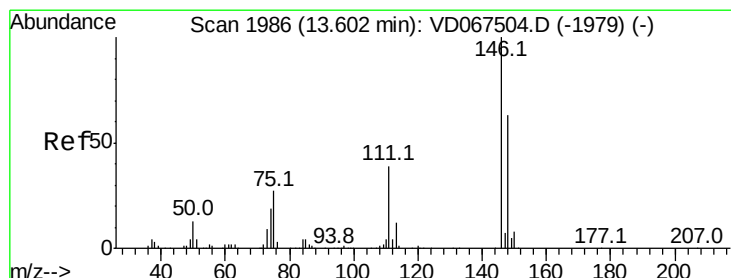
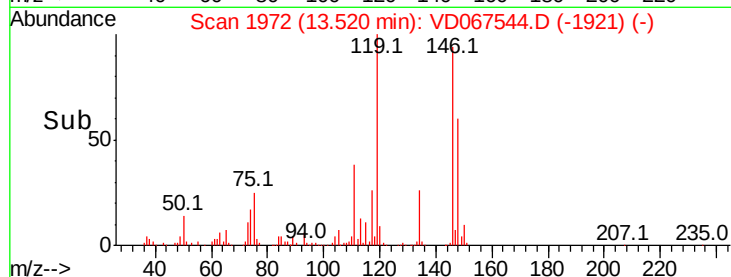
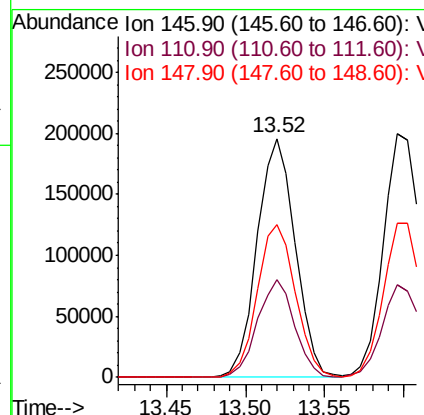
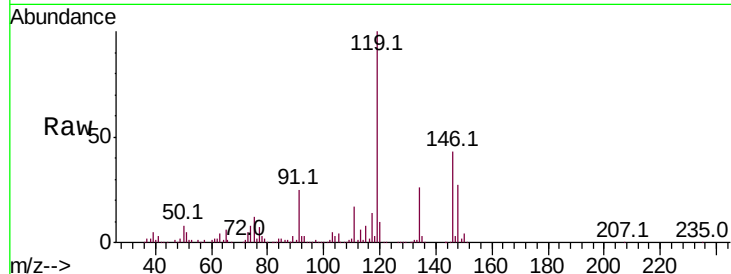
Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:146 Resp: 327025

Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.3	60.8
148	64.3	31.9	95.9



#88

1,4-Dichlorobenzene

Concen: 49.639 ug/l

RT: 13.60 min Scan# 1985

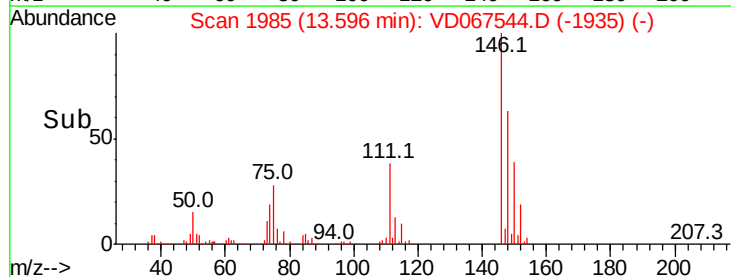
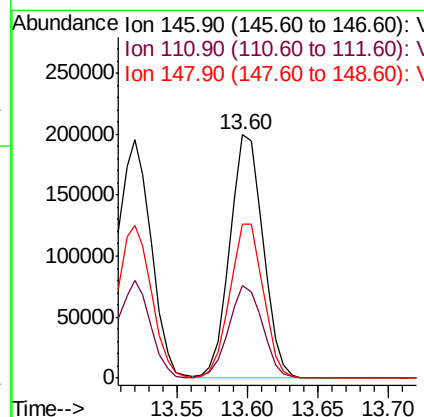
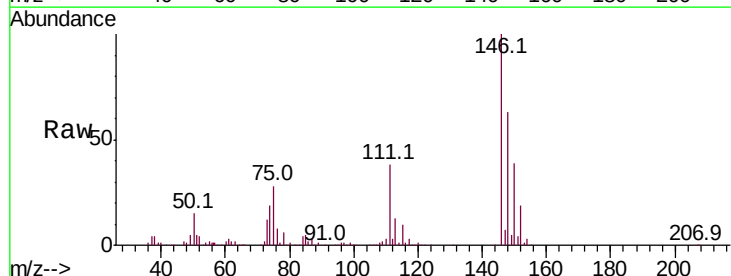
Delta R.T. -0.01 min

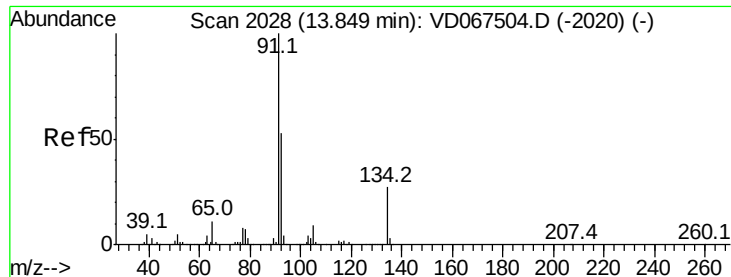
Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Tgt Ion:146 Resp: 327564

Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.6	58.7
148	63.8	31.8	95.4

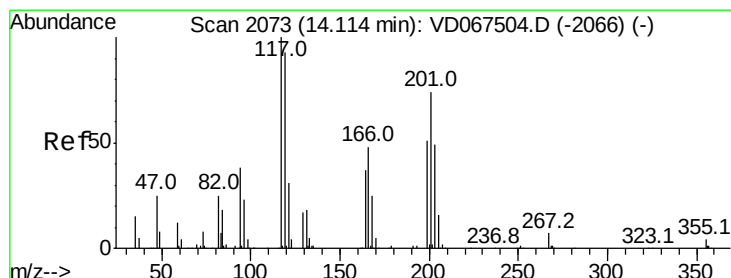
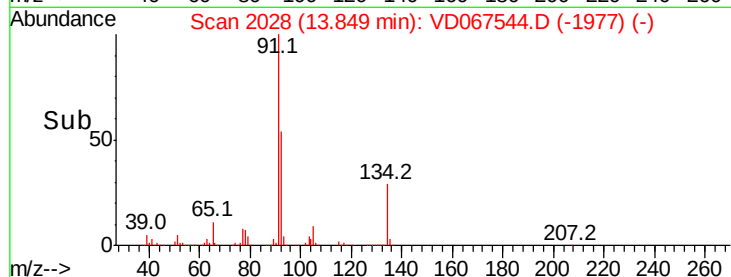
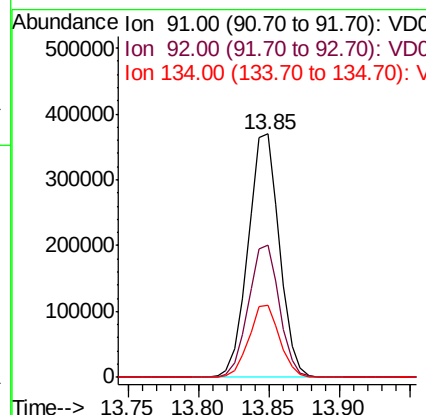
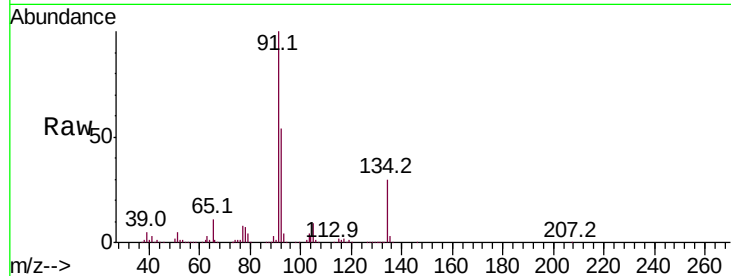




#89
n-Butylbenzene
Concen: 50.584 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

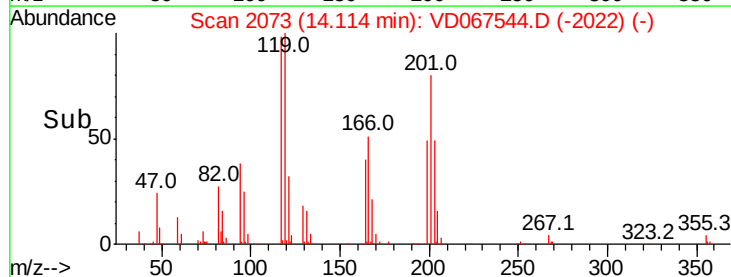
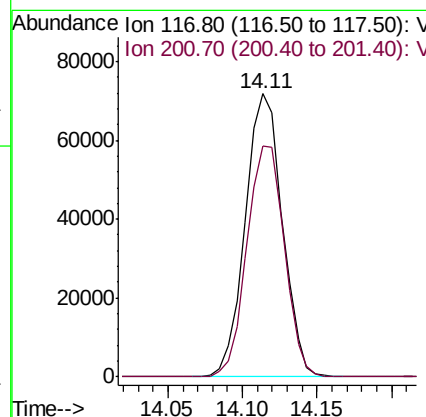
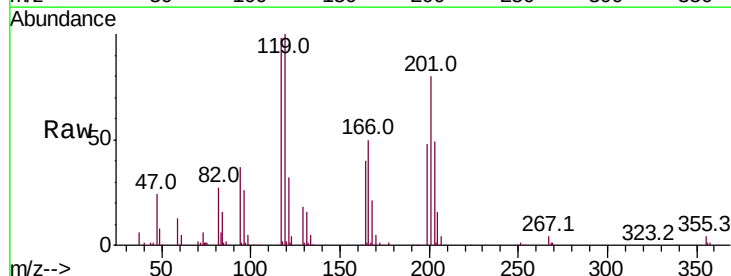
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

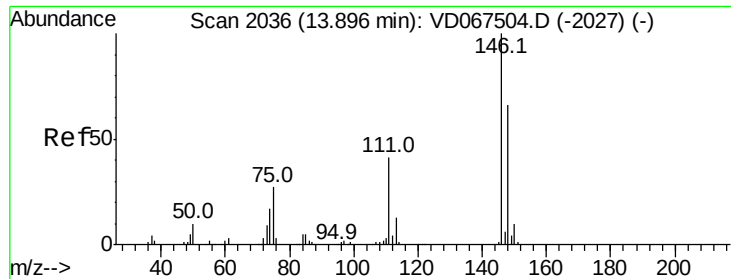
Tot Ion: 91 Resp: 573469
Ion Ratio Lower Upper
91 100
92 53.9 26.6 79.8
134 29.3 14.1 42.2



#90
Hexachloroethane
Concen: 49.899 ug/l
RT: 14.11 min Scan# 2073
Delta R.T. -0.00 min
Lab File: VD067544.D
Acq: 06 Nov 2020 09:41

Tgt Ion: 117 Resp: 123334
Ion Ratio Lower Upper
117 100
201 82.5 40.7 122.1

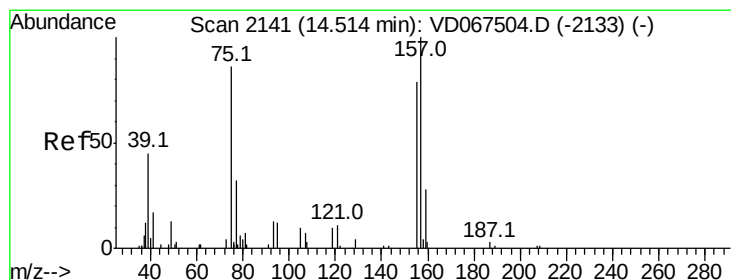
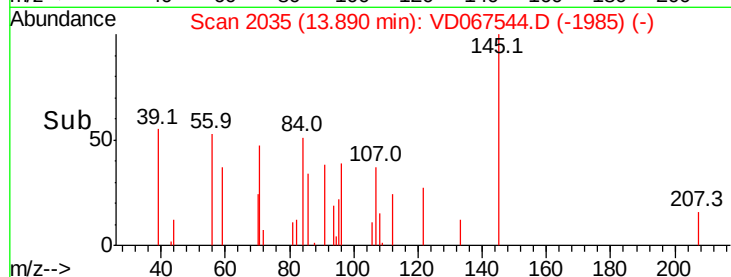
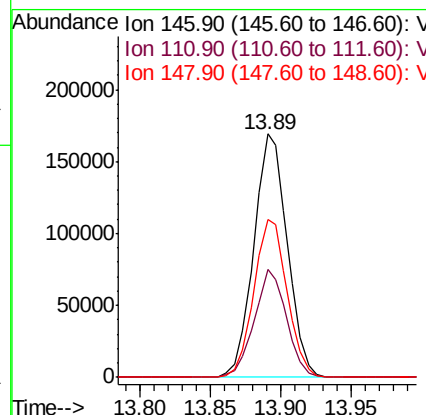
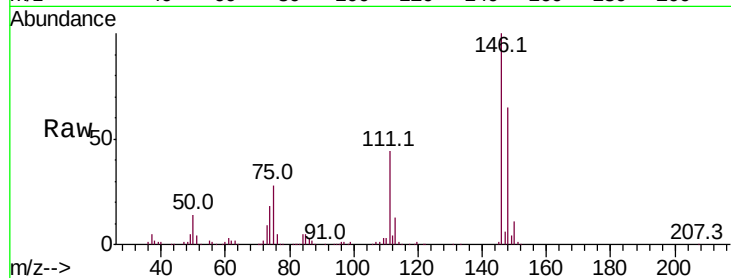




#91
 1,2-Dichlorobenzene
 Concen: 49.914 ug/l
 RT: 13.89 min Scan# 2035
 Delta R.T. -0.01 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

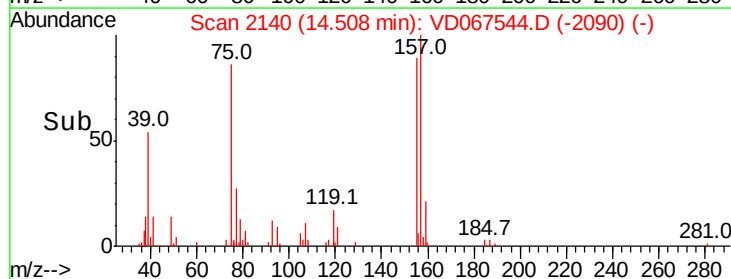
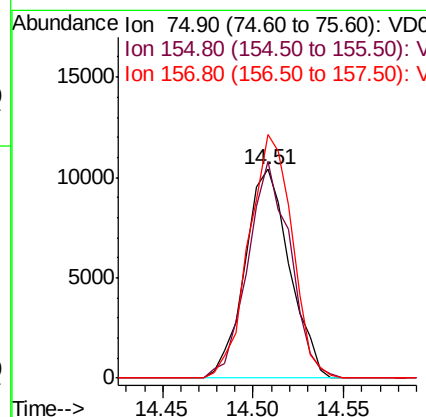
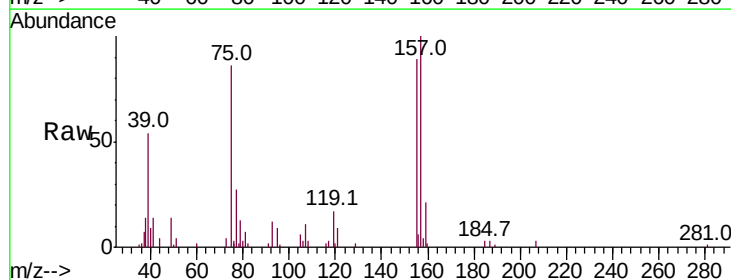
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

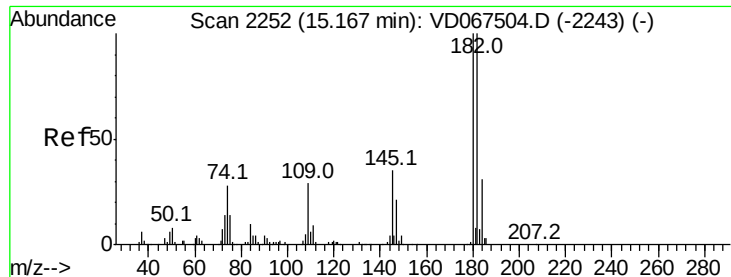
Tot Ion:146 Resp: 281526
 Ion Ratio Lower Upper
 146 100
 111 42.7 20.7 62.1
 148 64.6 31.5 94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.133 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Tgt Ion: 75 Resp: 17840
 Ion Ratio Lower Upper
 75 100
 155 98.3 46.6 139.8
 157 113.1 58.1 174.2

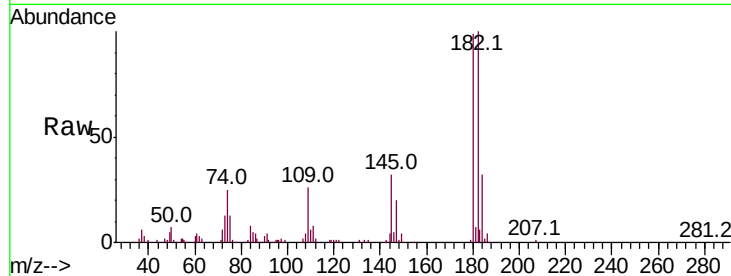




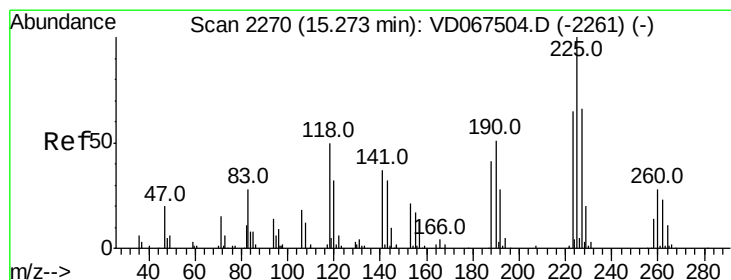
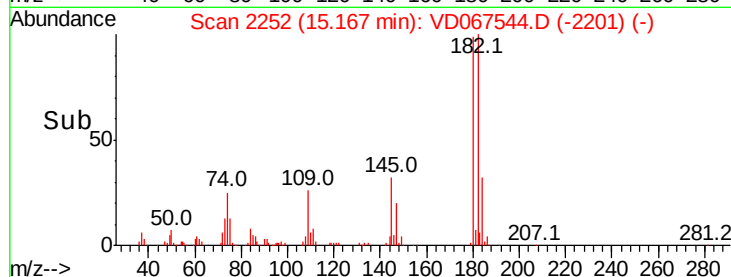
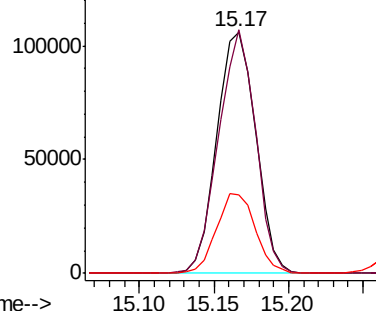
#93
 1,2,4-Trichlorobenzene
 Concen: 50.140 ug/l
 RT: 15.17 min Scan# 2252
 Delta R.T. -0.00 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	47.4	142.3
145	33.0	16.2	48.6

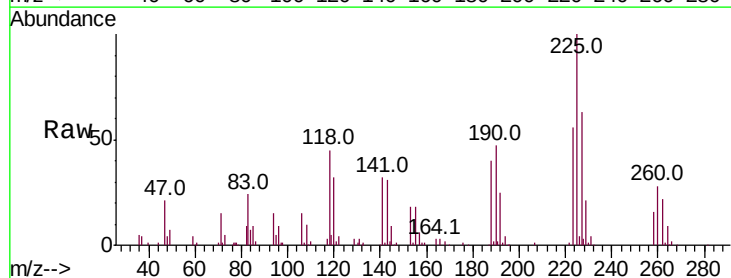


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

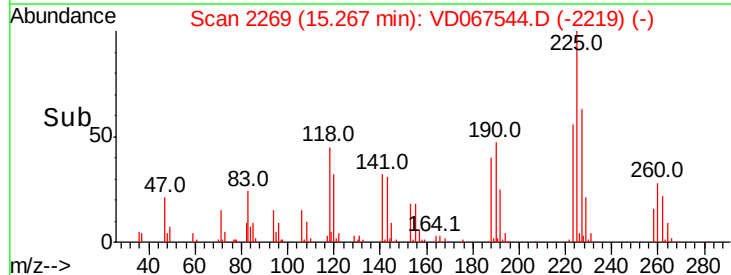
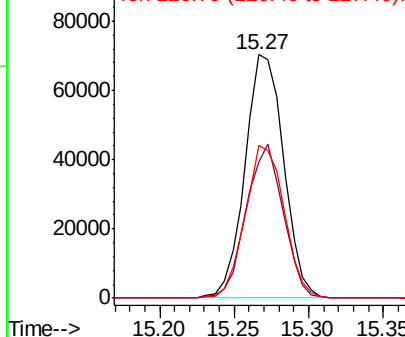


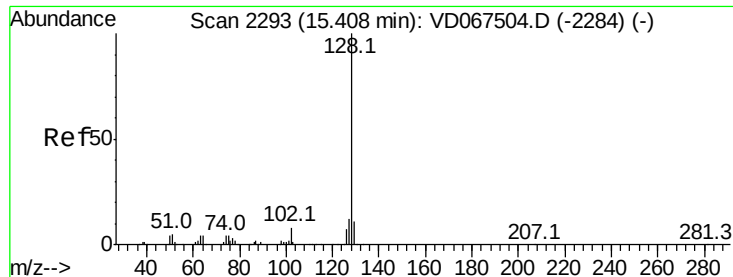
#94
 Hexachlorobutadiene
 Concen: 49.165 ug/l
 RT: 15.27 min Scan# 2269
 Delta R.T. -0.01 min
 Lab File: VD067544.D
 Acq: 06 Nov 2020 09:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	60.6	31.9	95.5
227	63.3	32.5	97.4



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





#95

Naphthalene

Concen: 53.389 ug/l

RT: 15.40 min Scan# 2292

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

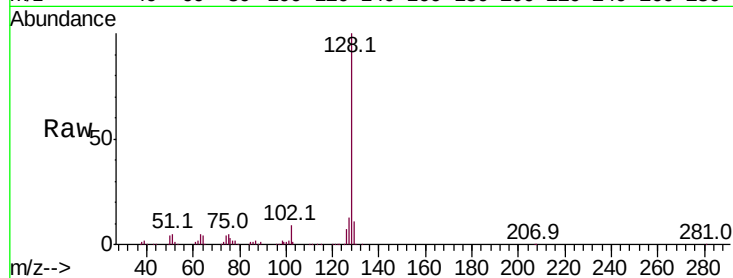
Tot Ion:128 Resp: 315408

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

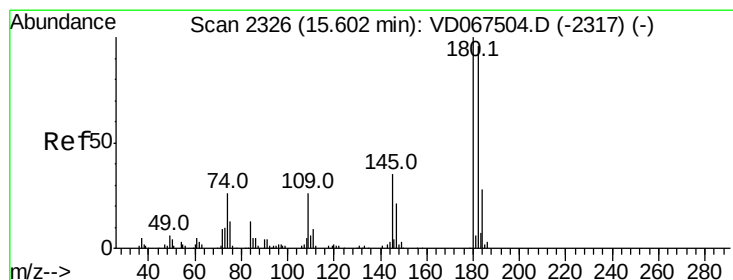
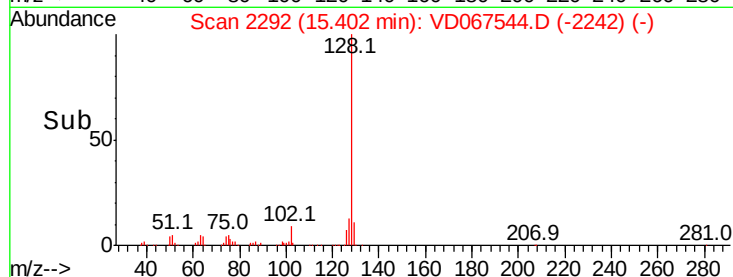
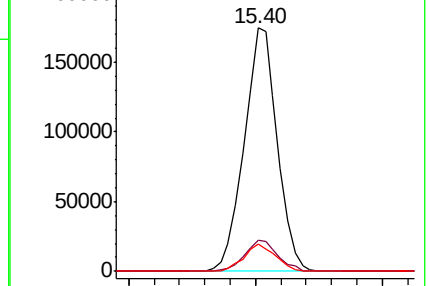
129 10.7 8.9 13.3



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 49.930 ug/l

RT: 15.60 min Scan# 2325

Delta R.T. -0.01 min

Lab File: VD067544.D

Acq: 06 Nov 2020 09:41

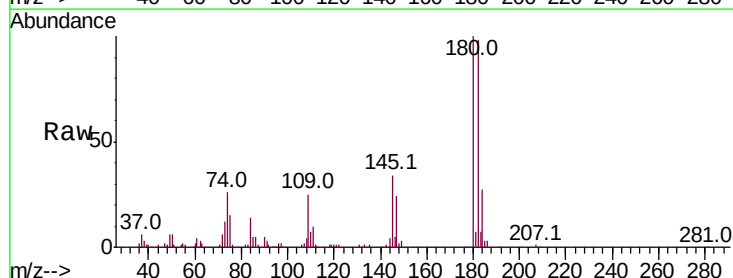
Tgt Ion:180 Resp: 163678

Ion Ratio Lower Upper

180 100

182 97.8 46.9 140.8

145 33.7 17.1 51.2



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

