

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067241.D
 Acq On : 12 Oct 2020 19:05
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Oct 13 00:18:11 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	281740	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	436857	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	411838	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	206920	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	147394	54.31	ug/l	0.00
Spiked Amount			Recovery	=	108.62%	
35) Dibromofluoromethane	7.92	113	153726	53.75	ug/l	0.00
Spiked Amount			Recovery	=	107.50%	
50) Toluene-d8	10.34	98	535854	51.42	ug/l	0.00
Spiked Amount			Recovery	=	102.84%	
62) 4-Bromofluorobenzene	12.64	95	192887	54.52	ug/l	0.00
Spiked Amount			Recovery	=	109.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	135406	60.768	ug/l	94
3) Chloromethane	2.21	50	96657	43.079	ug/l	97
4) Vinyl Chloride	2.35	62	102365	45.500	ug/l	94
5) Bromomethane	2.77	94	82605	57.623	ug/l	92
6) Chloroethane	2.93	64	66797	48.753	ug/l	97
7) Trichlorofluoromethane	3.27	101	260965	52.209	ug/l	98
8) Diethyl Ether	3.71	74	67576	54.518	ug/l	87
9) 1,1,2-Trichlorotrifluoroet	4.10	101	140780	49.830	ug/l	99
10) Methyl Iodide	4.30	142	130387	47.498	ug/l	95
11) Tert butyl alcohol	5.22	59	42052	267.888	ug/l	100
12) 1,1-Dichloroethene	4.07	96	128066	48.220	ug/l	95
13) Acrolein	3.93	56	45147	248.458	ug/l	99
14) Allyl chloride	4.72	41	153679	44.542	ug/l	87
15) Acrylonitrile	5.42	53	111350	244.085	ug/l	99
16) Acetone	4.16	43	108010	260.737	ug/l	99
17) Carbon Disulfide	4.41	76	366574	44.974	ug/l	98
18) Methyl Acetate	4.72	43	50733	48.728	ug/l	94
19) Methyl tert-butyl Ether	5.48	73	284260	58.630	ug/l	98
20) Methylene Chloride	4.97	84	156697	53.868	ug/l	91
21) trans-1,2-Dichloroethene	5.48	96	154310	51.054	ug/l	91
22) Diisopropyl ether	6.37	45	298695	47.420	ug/l #	98
23) Vinyl Acetate	6.31	43	884438	247.787	ug/l	95
24) 1,1-Dichloroethane	6.26	63	239233	49.213	ug/l	98
25) 2-Butanone	7.21	43	134015	228.185	ug/l #	89
26) 2,2-Dichloropropane	7.21	77	224919	54.479	ug/l	99
27) cis-1,2-Dichloroethene	7.21	96	175459	54.355	ug/l	95
28) Bromochloromethane	7.56	49	84954	45.253	ug/l #	79
29) Tetrahydrofuran	7.57	42	76485	226.489	ug/l #	85
30) Chloroform	7.71	83	293602	55.677	ug/l	93
31) Cyclohexane	7.99	56	165805	40.684	ug/l	93
32) 1,1,1-Trichloroethane	7.91	97	272644	55.788	ug/l	98
36) 1,1-Dichloropropene	8.11	75	197512	48.505	ug/l	96
37) Ethyl Acetate	7.30	43	60341	42.775	ug/l #	94
38) Carbon Tetrachloride	8.10	117	259985	59.009	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.36	83	212946	49.464	ug/l	92
40) Benzene	8.36	78	583148	51.560	ug/l	100
41) Methacrylonitrile	7.53	41	35267	46.276	ug/l #	100
42) 1,2-Dichloroethane	8.43	62	183582	58.088	ug/l	96
43) Isopropyl Acetate	8.45	43	125849	48.427	ug/l	96
44) Trichloroethene	9.11	130	186831	55.319	ug/l	99
45) 1,2-Dichloropropane	9.39	63	134380	50.567	ug/l	97
46) Dibromomethane	9.47	93	83578	54.720	ug/l	94
47) Bromodichloromethane	9.66	83	227884	57.397	ug/l	100
48) Methyl methacrylate	9.46	41	60909	45.749	ug/l #	70
49) 1,4-Dioxane	9.46	88	17102	1072.834	ug/l	94
51) 4-Methyl-2-Pentanone	10.23	43	322044	248.795	ug/l	97
52) Toluene	10.40	92	396798	54.463	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	197217	55.579	ug/l	99
54) cis-1,3-Dichloropropene	10.09	75	232300	53.612	ug/l	97
55) 1,1,2-Trichloroethane	10.80	97	115831	54.547	ug/l	97
56) Ethyl methacrylate	10.66	69	127837	58.309	ug/l #	93
57) 1,3-Dichloropropane	10.95	76	188294	54.681	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.94	63	319002	261.422	ug/l	93
59) 2-Hexanone	10.99	43	225630	261.162	ug/l	96
60) Dibromochloromethane	11.14	129	168389	59.495	ug/l	96
61) 1,2-Dibromoethane	11.25	107	115296	56.515	ug/l	99
64) Tetrachloroethene	10.88	164	156218	52.176	ug/l	95
65) Chlorobenzene	11.67	112	446060	54.458	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.75	131	178086	57.157	ug/l	97
67) Ethyl Benzene	11.75	91	765159	54.520	ug/l	98
68) m/p-Xylenes	11.86	106	596495	109.061	ug/l	98
69) o-Xylene	12.18	106	269873	55.177	ug/l	92
70) Styrene	12.20	104	474580	56.507	ug/l	98
71) Bromoform	12.37	173	95774	59.218	ug/l #	96
73) Isopropylbenzene	12.48	105	760910	54.157	ug/l	100
74) N-amyl acetate	12.30	43	118378	46.868	ug/l	94
75) 1,1,2,2-Tetrachloroethane	12.74	83	119283	50.389	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	151288	83.940	ug/l #	100
77) Bromobenzene	12.77	156	189564	55.876	ug/l	93
78) n-propylbenzene	12.83	91	866676	52.194	ug/l	98
79) 2-Chlorotoluene	12.91	91	500727	52.706	ug/l	97
80) 1,3,5-Trimethylbenzene	12.97	105	658902	55.506	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	35825	49.556	ug/l	98
82) 4-Chlorotoluene	13.01	91	534140	52.844	ug/l	99
83) tert-Butylbenzene	13.23	119	558248	55.845	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	662562	55.929	ug/l	97
85) sec-Butylbenzene	13.41	105	748341	53.159	ug/l	100
86) p-Isopropyltoluene	13.52	119	698725	53.537	ug/l	98
87) 1,3-Dichlorobenzene	13.52	146	350529	53.045	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	351261	53.161	ug/l	99
89) n-Butylbenzene	13.85	91	623668	52.287	ug/l	98
90) Hexachloroethane	14.12	117	125070	54.708	ug/l	97
91) 1,2-Dichlorobenzene	13.90	146	315505	54.669	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.51	75	20545	53.840	ug/l	99

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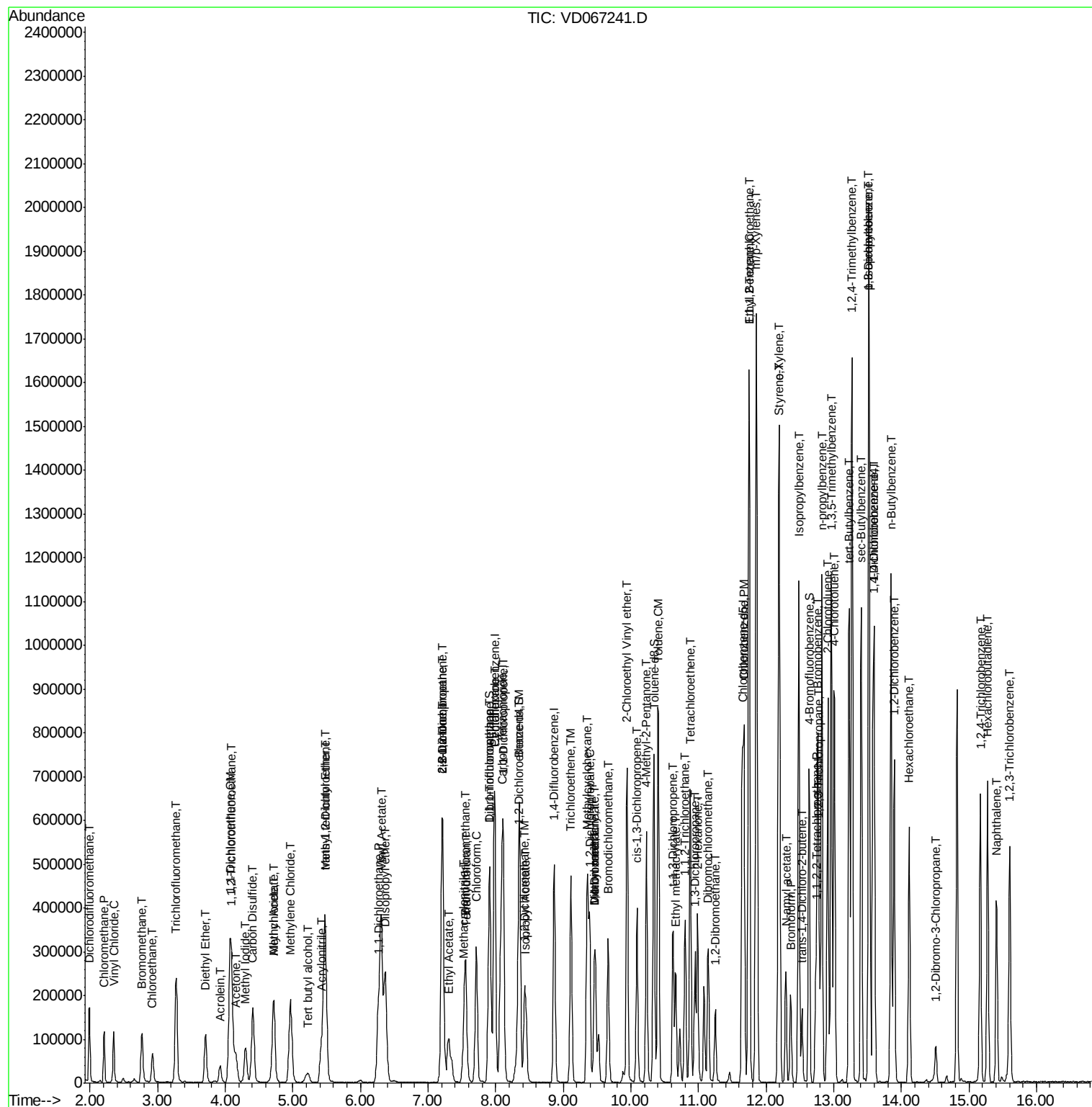
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	218028	58.406	ug/l	100
94) Hexachlorobutadiene	15.28	225	129871	56.649	ug/l	99
95) Naphthalene	15.41	128	378490	60.787	ug/l	100
96) 1,2,3-Trichlorobenzene	15.61	180	193374	59.673	ug/l	99

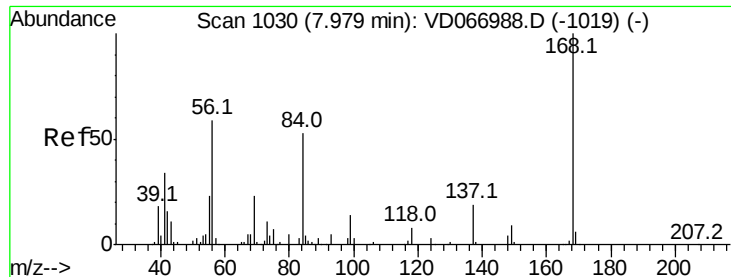
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101220\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

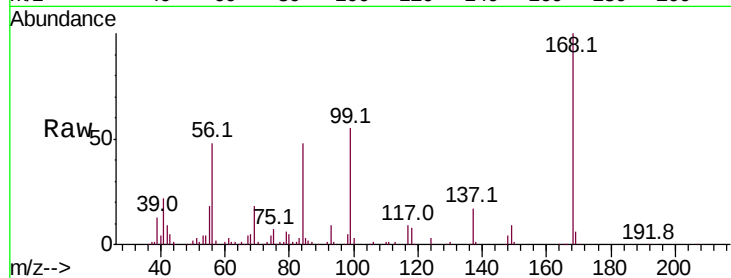
VSTDCCC050EC

Tot Ion:168 Resp: 281740

Ion Ratio Lower Upper

168 100

99 54.3 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

150000

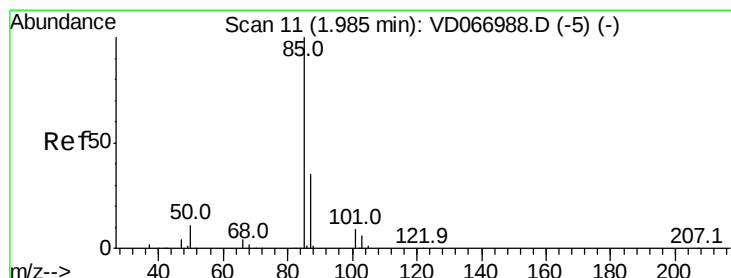
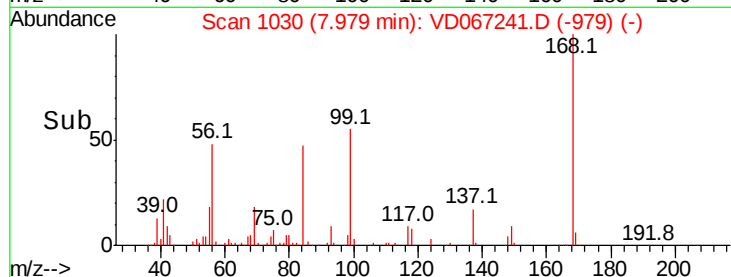
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50000

0

7.90 7.95 8.00 8.05

Time-->



#2

Dichlorodifluoromethane

Concen: 60.768 ug/l

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067241.D

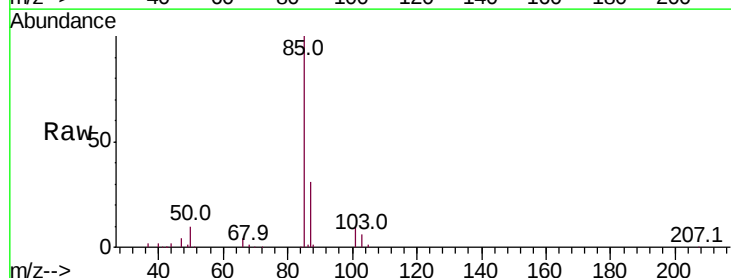
Acq: 12 Oct 2020 19:05

Tgt Ion: 85 Resp: 135406

Ion Ratio Lower Upper

85 100

87 31.3 17.3 52.0



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

100000

80000

60000

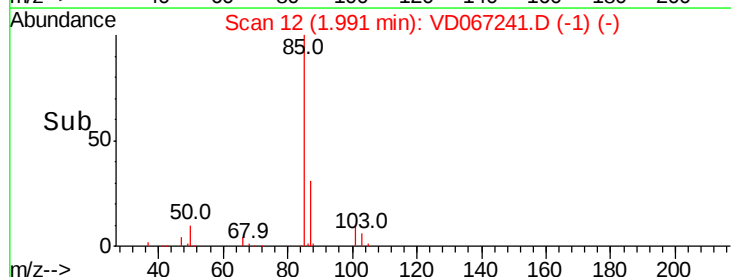
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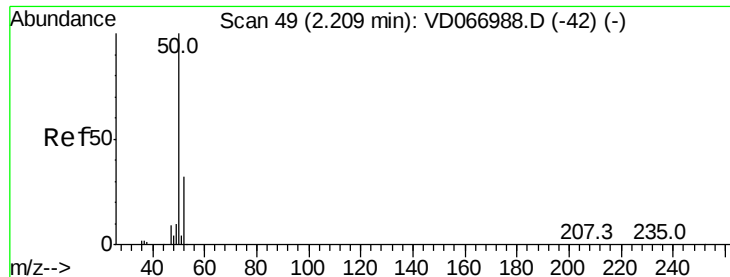
20000

0

1.90 1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 43.079 ug/l

RT: 2.21 min Scan# 49

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

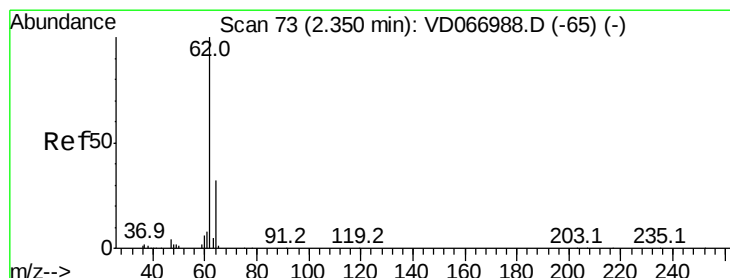
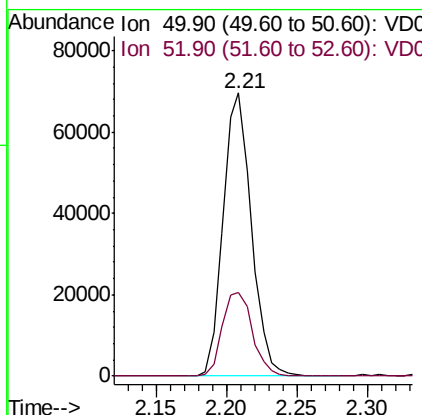
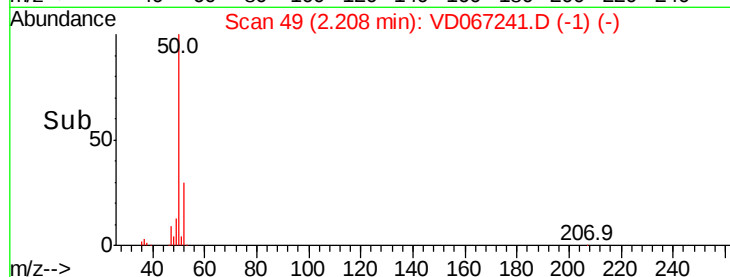
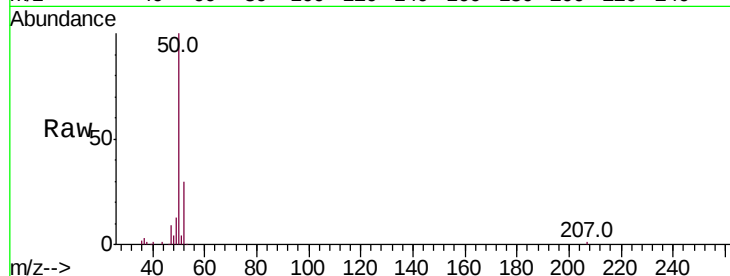
VSTDCCC050EC

Tot Ion: 50 Resp: 96657

Ion Ratio Lower Upper

50 100

52 29.8 25.3 37.9



#4

Vinyl Chloride

Concen: 45.500 ug/l

RT: 2.35 min Scan# 73

Delta R.T. -0.00 min

Lab File: VD067241.D

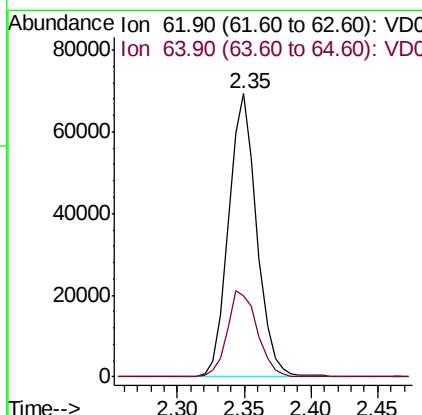
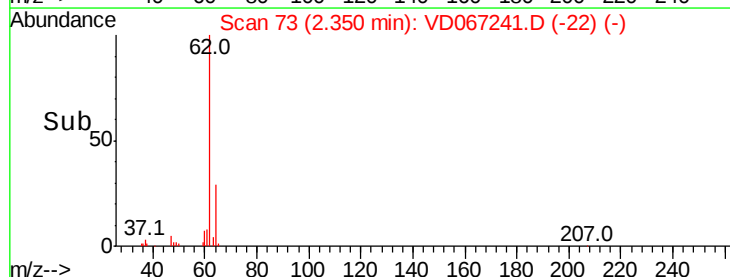
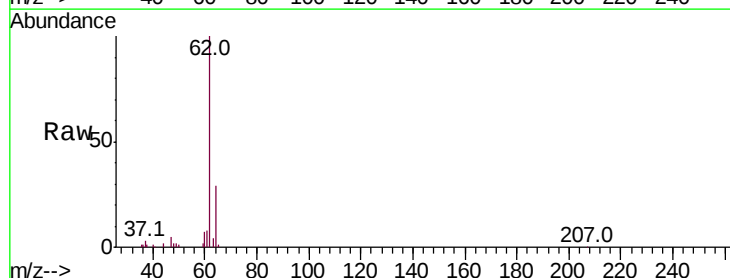
Acq: 12 Oct 2020 19:05

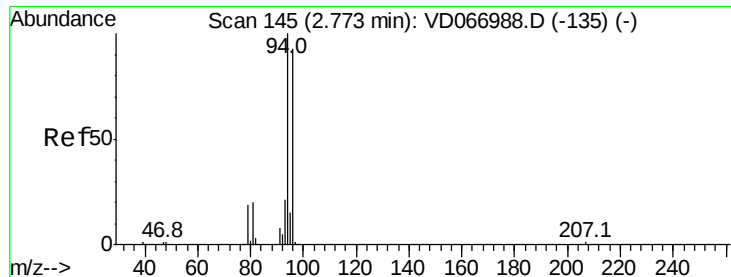
Tgt Ion: 62 Resp: 102365

Ion Ratio Lower Upper

62 100

64 28.9 25.8 38.8





#5

Bromomethane

Concen: 57.623 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

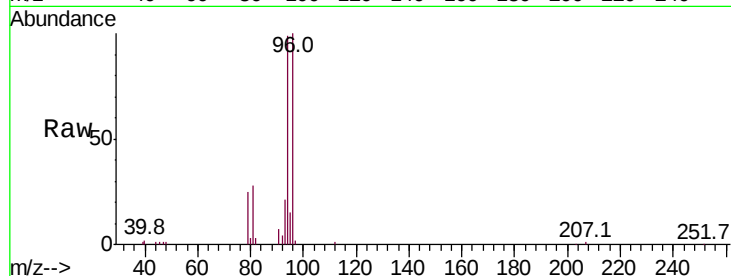
VSTDCCC050EC

Tot Ion: 94 Resp: 82605

Ion Ratio Lower Upper

94 100

96 101.1 74.6 112.0



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.77

40000

30000

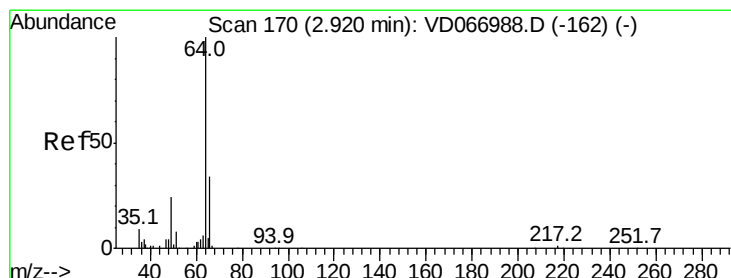
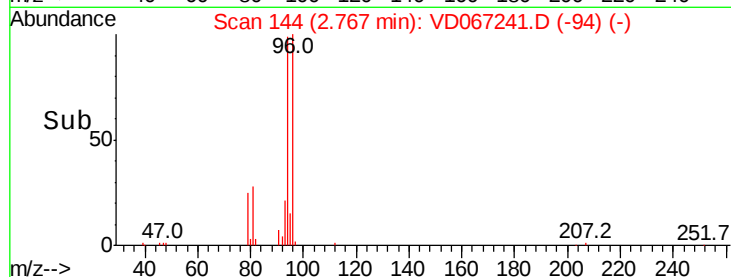
20000

10000

0

Time-->

2.70 2.80 2.90



#6

Chloroethane

Concen: 48.753 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067241.D

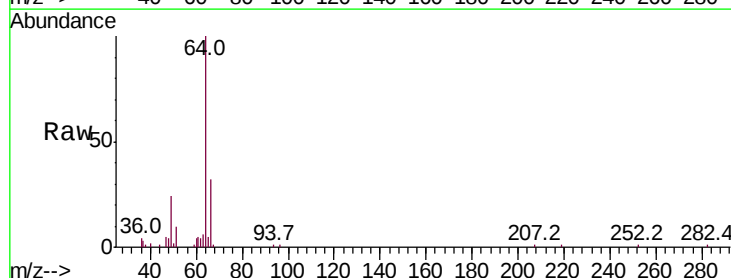
Acq: 12 Oct 2020 19:05

Tgt Ion: 64 Resp: 66797

Ion Ratio Lower Upper

64 100

66 32.1 27.0 40.6



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC

2.93

30000

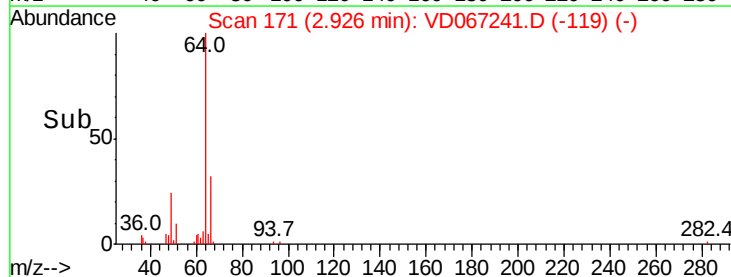
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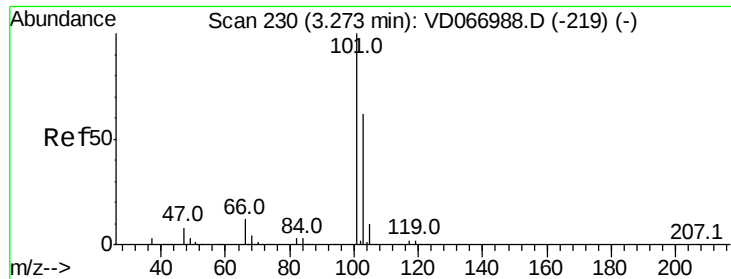
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0

Time-->

2.80 2.90 3.00



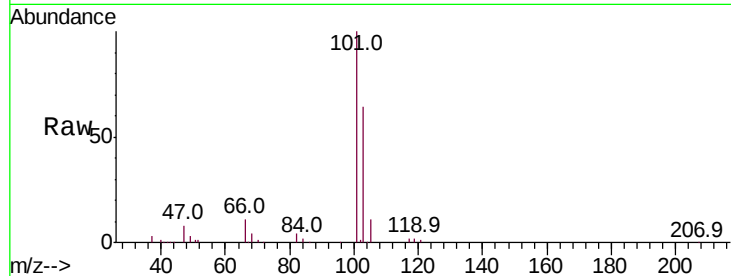


#7

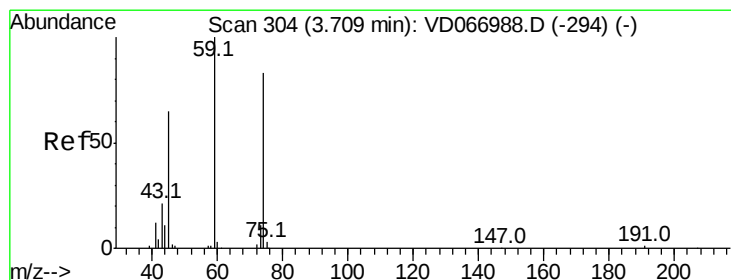
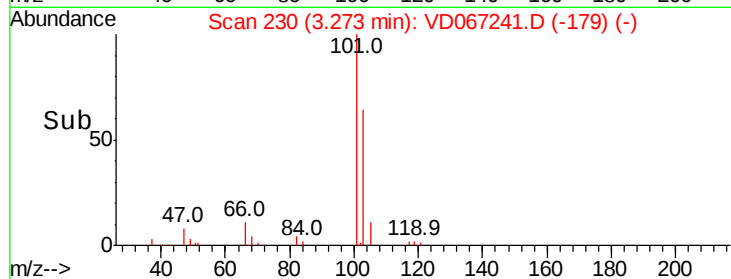
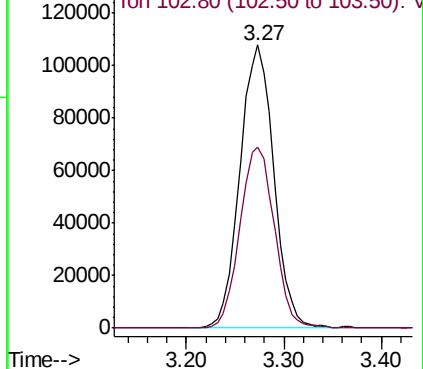
Trichlorofluoromethane
 Concen: 52.209 ug/l
 RT: 3.27 min Scan# 230
 Delta R.T. -0.00 min
 Lab File: VD067241.D
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Tot Ion:101 Resp: 260965
 Ion Ratio Lower Upper
 101 100
 103 64.1 49.8 74.8



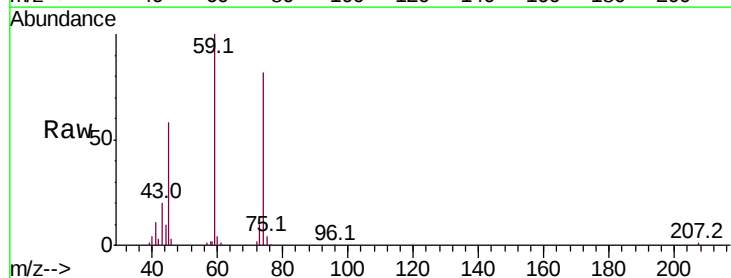
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



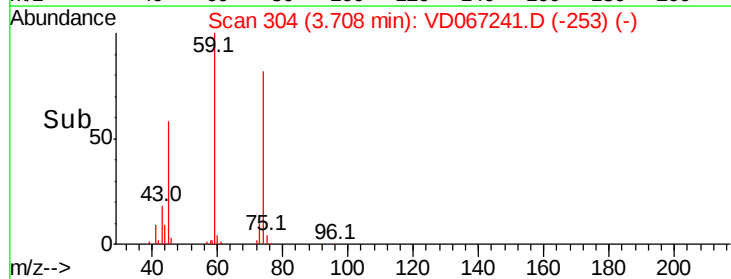
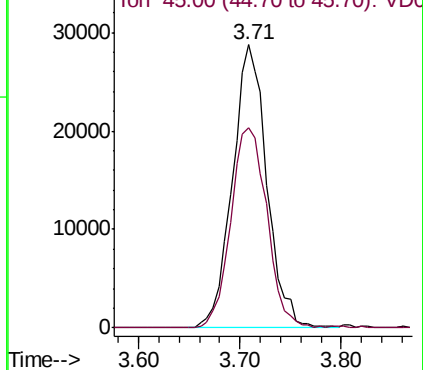
#8

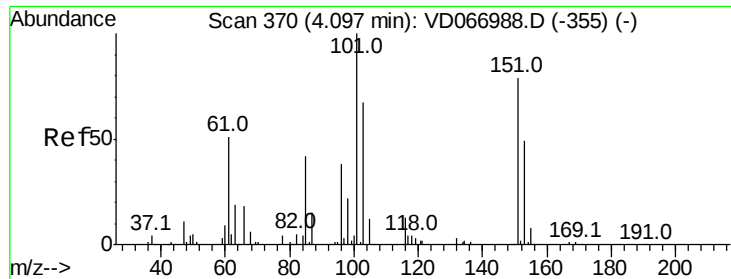
Diethyl Ether
 Concen: 54.518 ug/l
 RT: 3.71 min Scan# 304
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion: 74 Resp: 67576
 Ion Ratio Lower Upper
 74 100
 45 74.2 43.1 129.3



Abundance Ion 74.00 (73.70 to 74.70): VDC
 Ion 45.00 (44.70 to 45.70): VDC





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.830 ug/l

RT: 4.10 min Scan# 370

Delta R.T. -0.00 min

Lab File: VD067241.D

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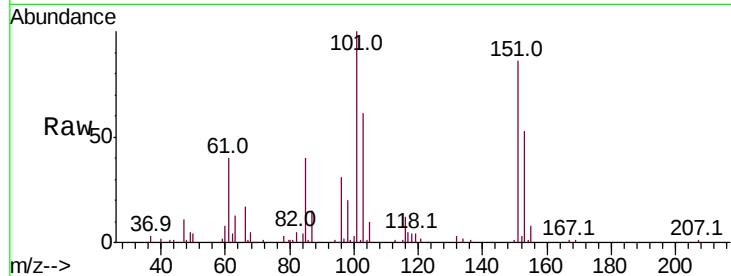
Tot Ion:101 Resp: 140780

Ion Ratio Lower Upper

101 100

85 42.4 33.8 50.8

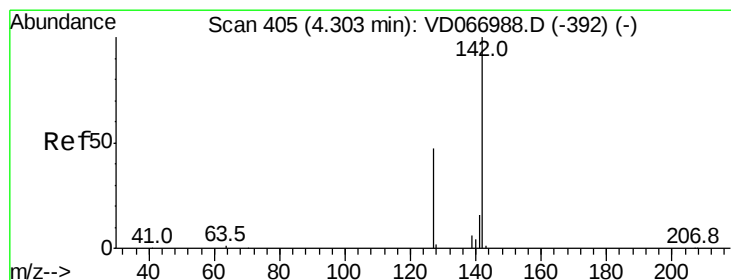
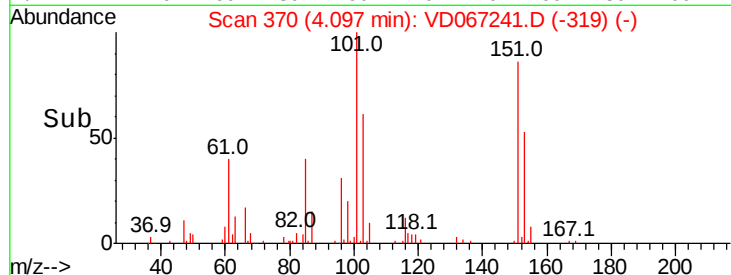
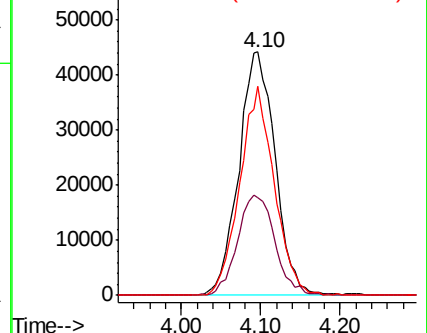
151 81.2 63.8 95.8



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: 47.498 ug/l

RT: 4.30 min Scan# 405

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

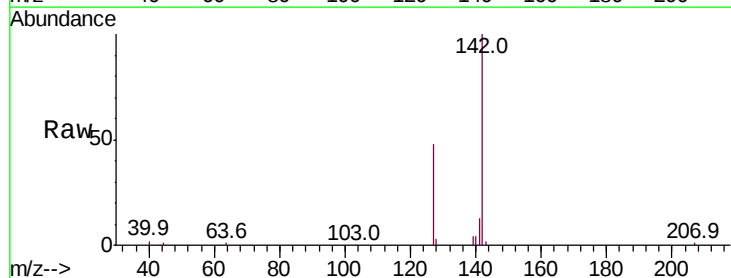
Tgt Ion:142 Resp: 130387

Ion Ratio Lower Upper

142 100

127 49.5 36.3 54.5

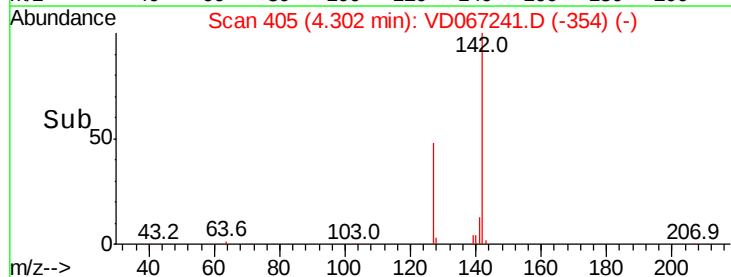
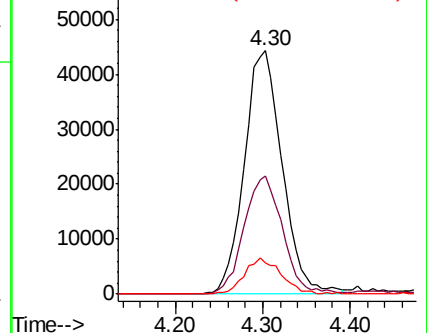
141 14.3 12.0 18.0

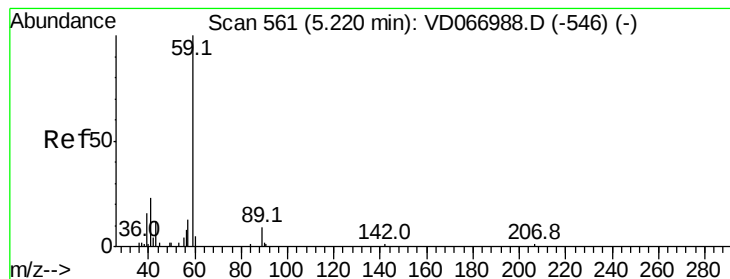


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



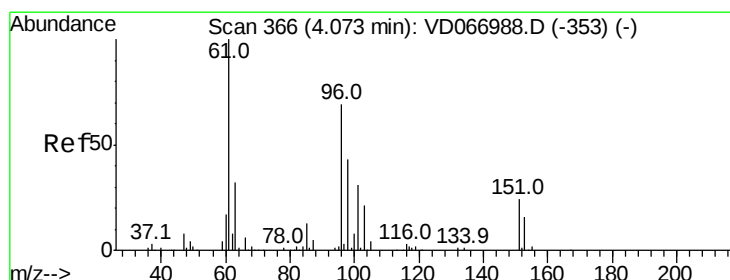
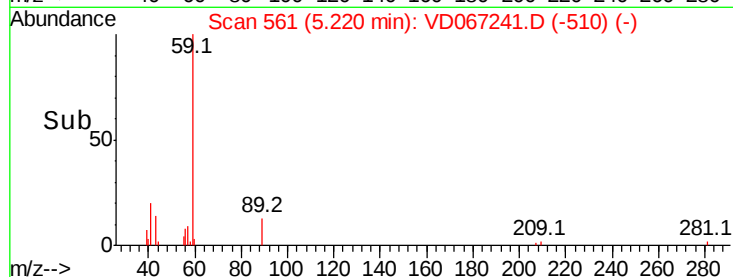
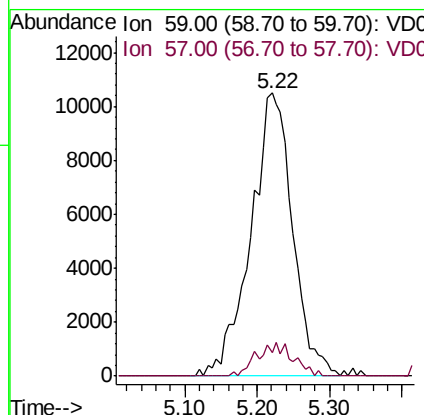
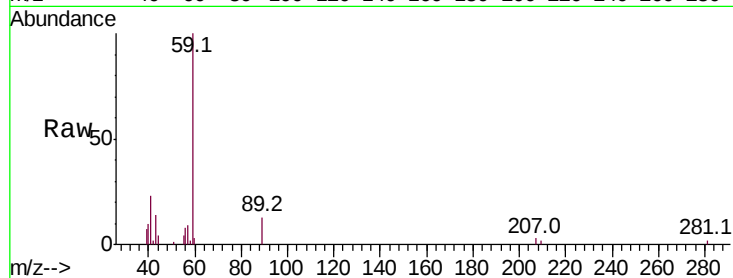


#11

Tert butyl alcohol
 Concen: 267.888 ug/l
 RT: 5.22 min Scan# 561
 Delta R.T. 0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

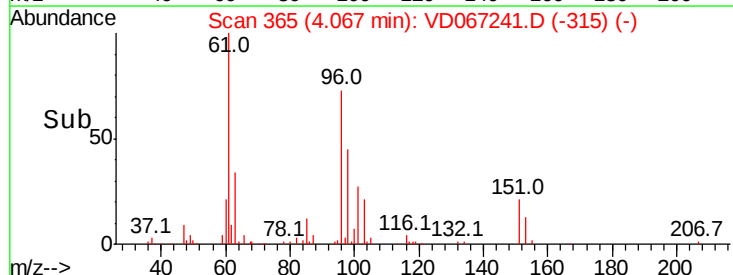
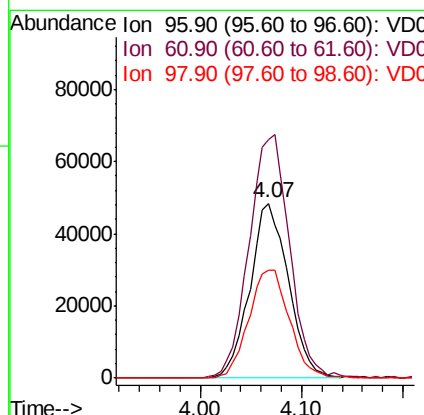
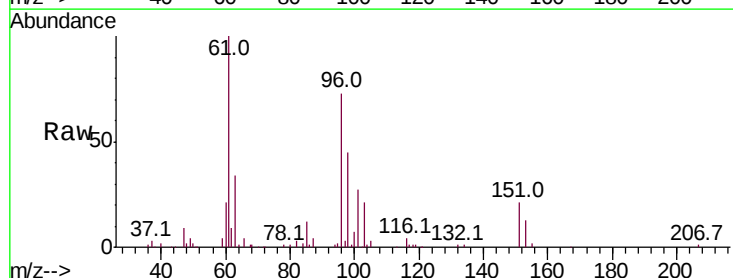
Tot Ion: 59 Resp: 42052
 Ion Ratio Lower Upper
 59 100
 57 10.1 8.2 12.4

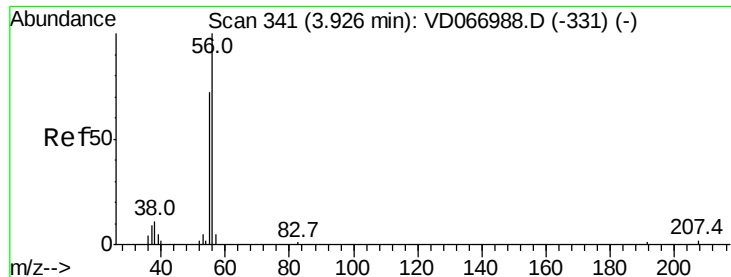


#12

1,1-Dichloroethene
 Concen: 48.220 ug/l
 RT: 4.07 min Scan# 365
 Delta R.T. -0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion: 96 Resp: 128066
 Ion Ratio Lower Upper
 96 100
 61 136.5 116.4 174.6
 98 61.9 49.9 74.9





#13

Acrolein

Concen: 248.458 ug/l

RT: 3.93 min Scan# 341

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

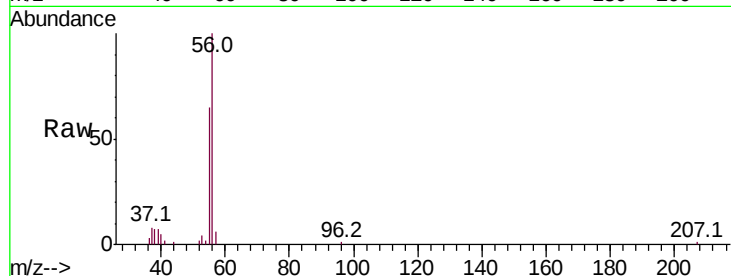
VSTDCCC050EC

Tot Ion: 56 Resp: 45147

Ion Ratio Lower Upper

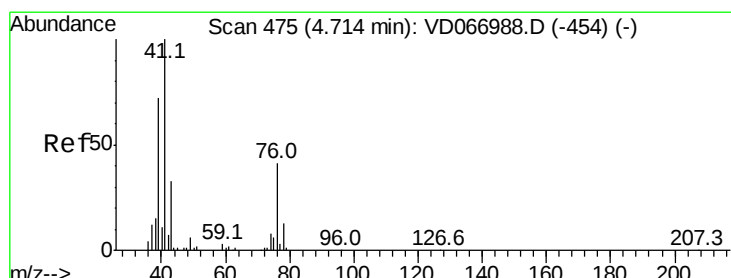
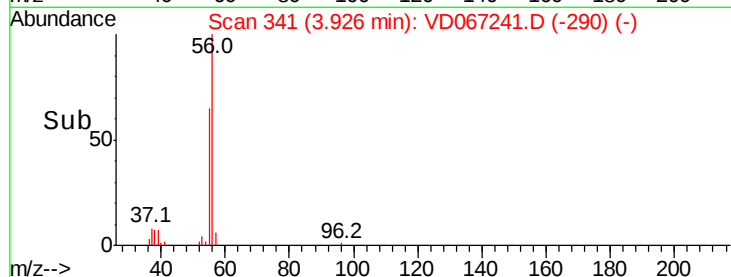
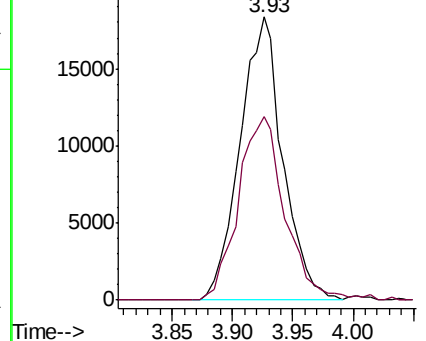
56 100

55 70.6 56.9 85.3



Abundance Ion 56.00 (55.70 to 56.70): VDC

Ion 55.00 (54.70 to 55.70): VDC



#14

Allyl chloride

Concen: 44.542 ug/l

RT: 4.72 min Scan# 476

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

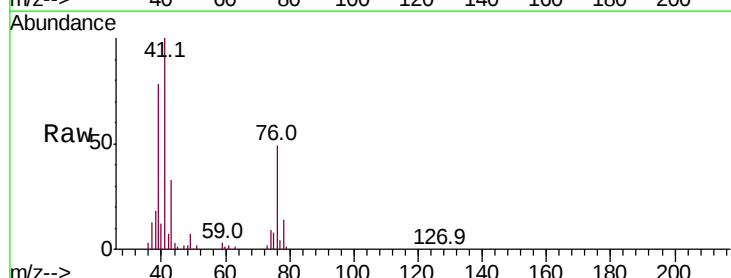
Tgt Ion: 41 Resp: 153679

Ion Ratio Lower Upper

41 100

39 81.5 56.2 84.2

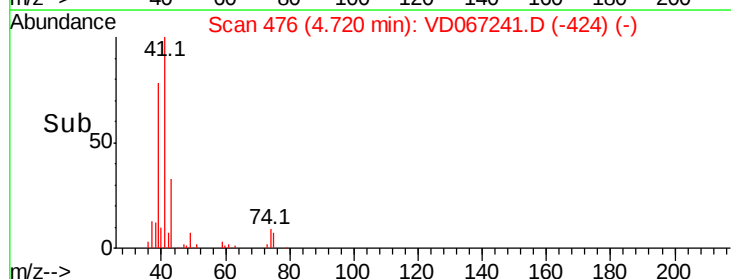
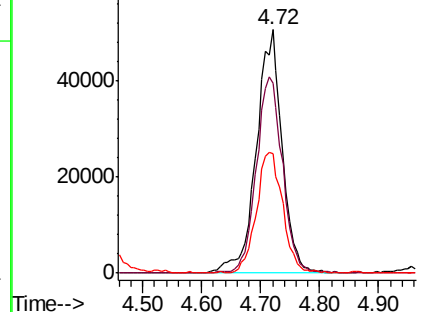
76 50.4 34.2 51.2

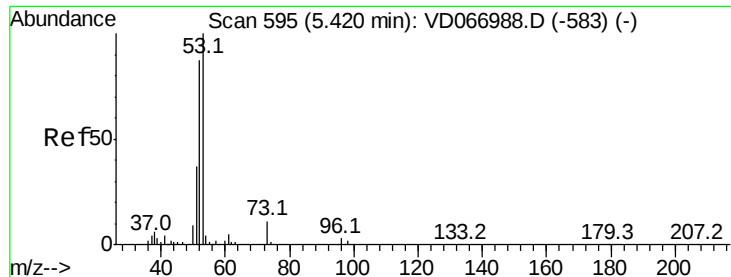


Abundance Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC

Ion 75.90 (75.60 to 76.60): VDC





#15

Acrylonitrile

Concen: 244.085 ug/l

RT: 5.42 min Scan# 595

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

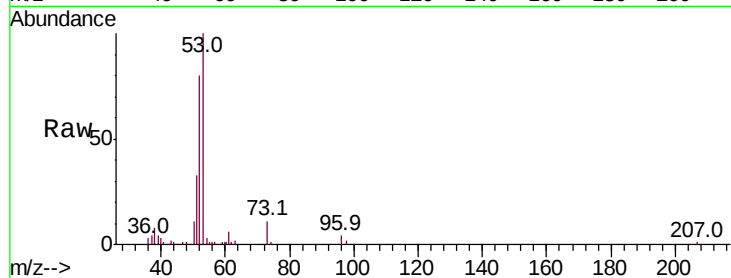
MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 53 Resp: 111350

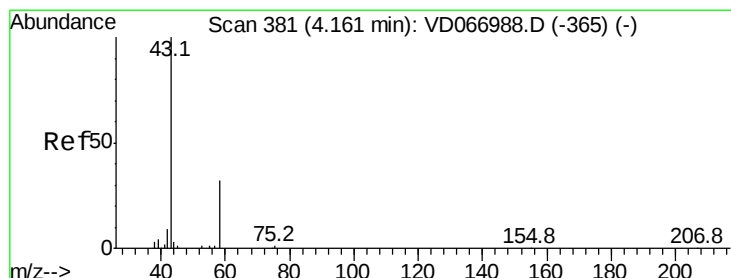
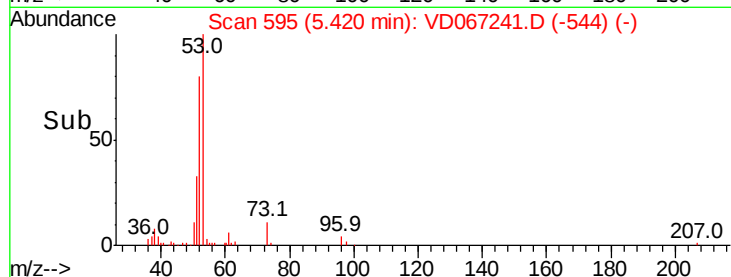
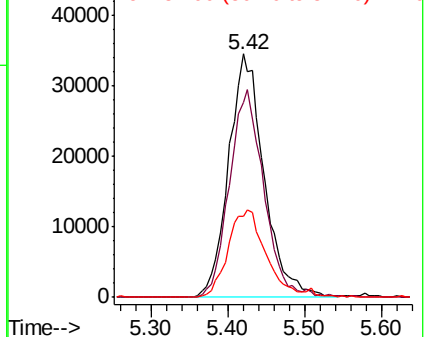
Ion	Ratio	Lower	Upper
53	100		
52	82.5	67.3	100.9
51	38.1	30.2	45.2



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: 260.737 ug/l

RT: 4.16 min Scan# 381

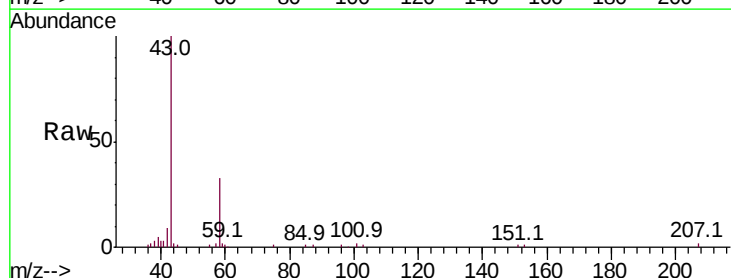
Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

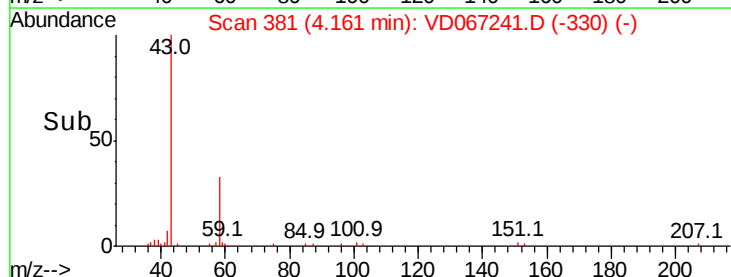
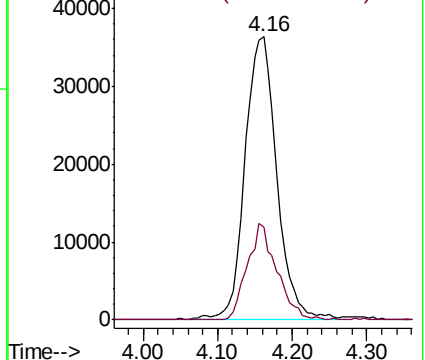
Tgt Ion: 43 Resp: 108010

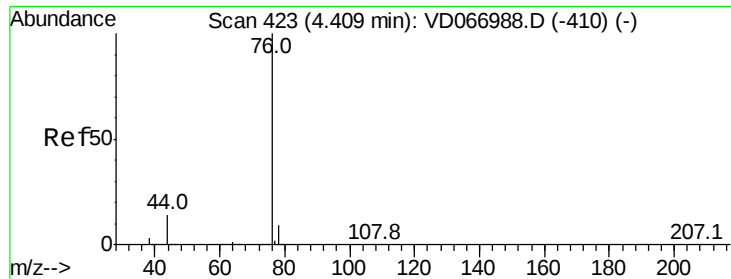
Ion	Ratio	Lower	Upper
43	100		
58	32.9	25.9	38.9



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

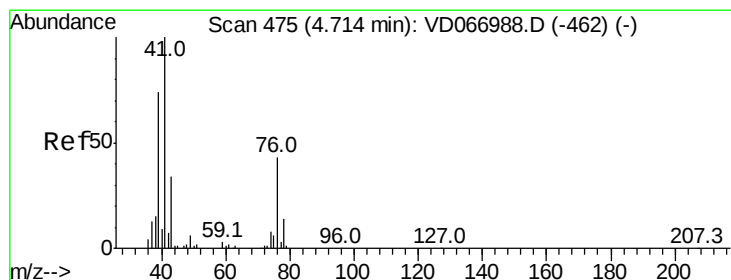
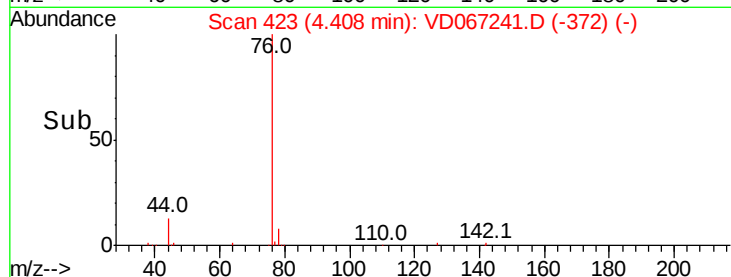
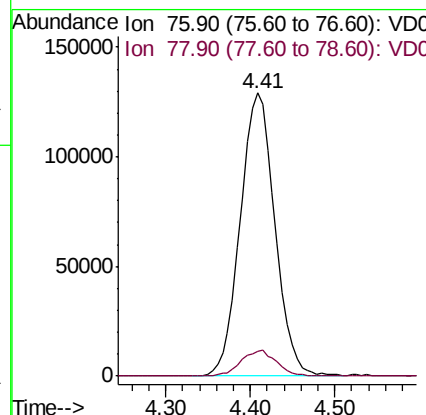
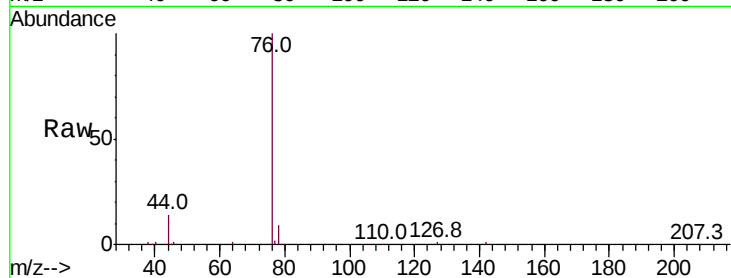




#17
Carbon Disulfide
Concen: 44.974 ug/l
RT: 4.41 min Scan# 423
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

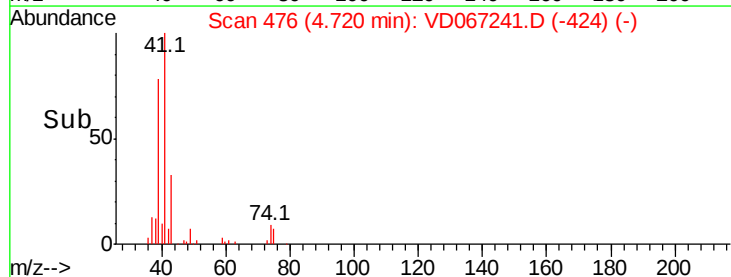
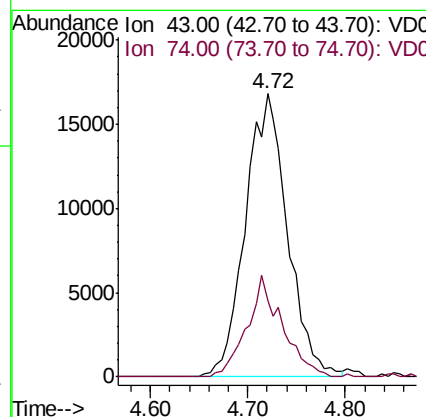
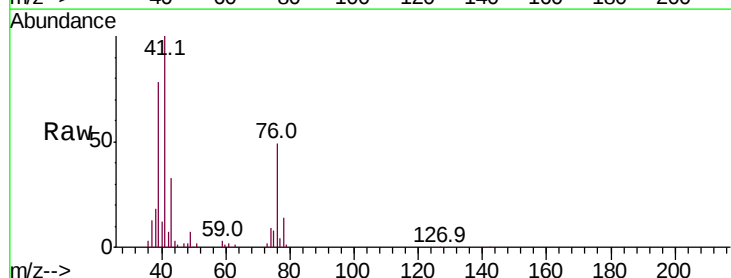
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

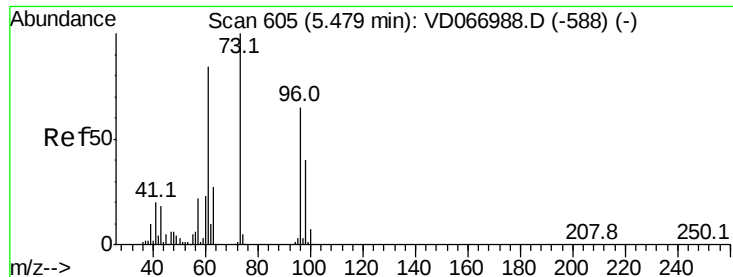
Tot Ion: 76 Resp: 366574
Ion Ratio Lower Upper
76 100
78 8.8 7.5 11.3



#18
Methyl Acetate
Concen: 48.728 ug/l
RT: 4.72 min Scan# 476
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 43 Resp: 50733
Ion Ratio Lower Upper
43 100
74 29.8 21.5 32.3

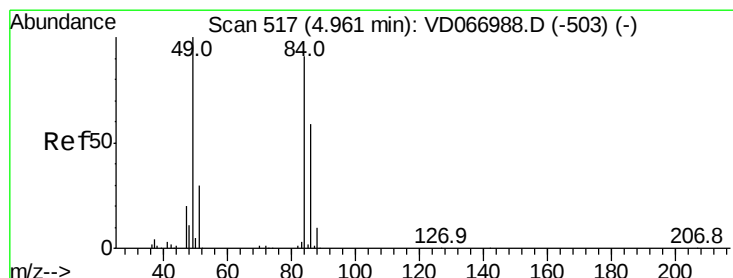
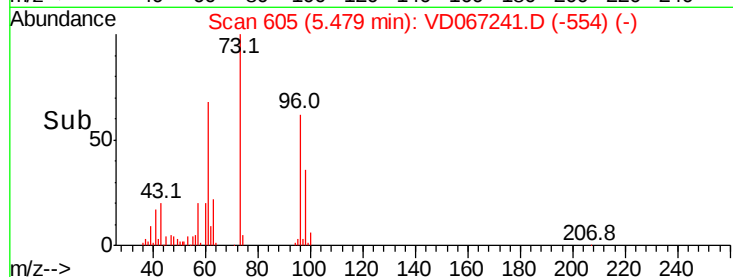
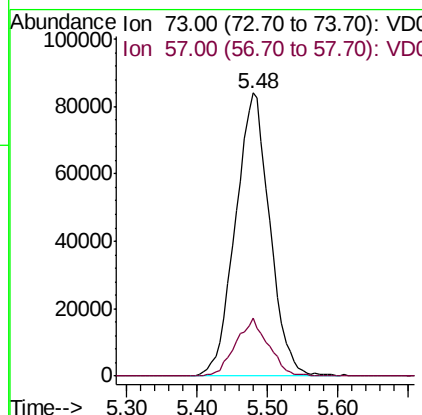
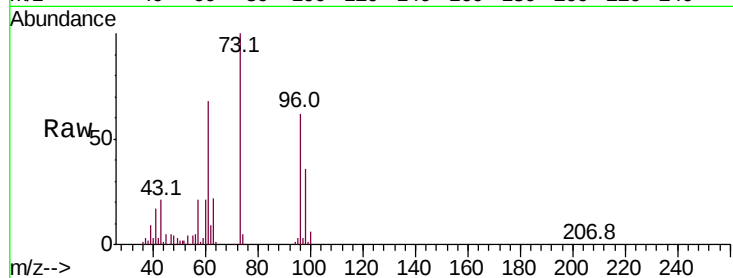




#19
Methvl tert-butvl Ether
Concen: 58.630 ug/l
RT: 5.48 min Scan# 605
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

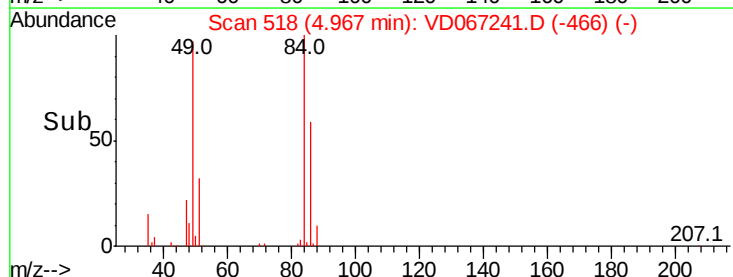
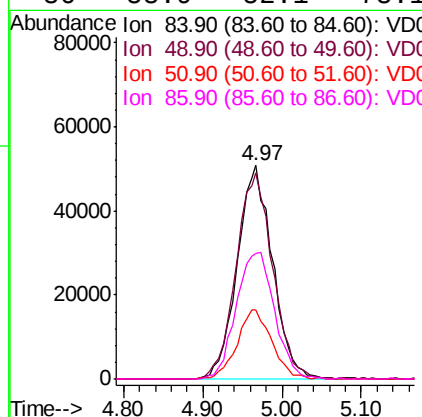
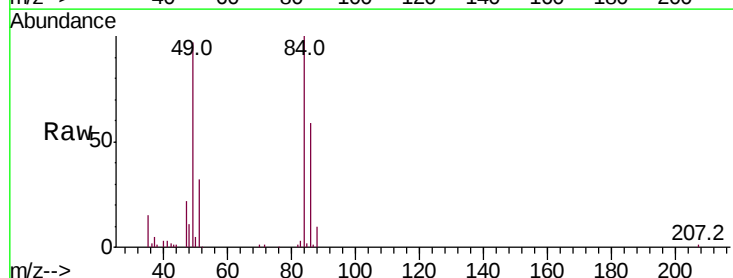
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

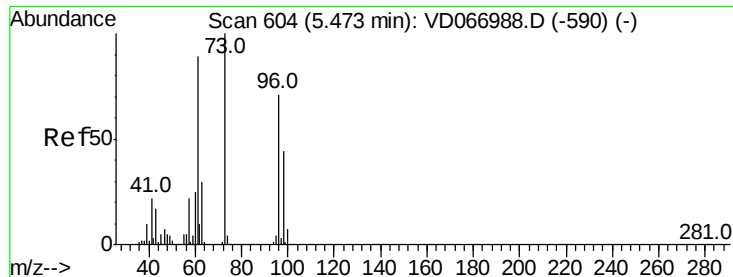
Tot Ion: 73 Resp: 284260
Ion Ratio Lower Upper
73 100
57 20.6 17.4 26.0



#20
Methylene Chloride
Concen: 53.868 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 84 Resp: 156697
Ion Ratio Lower Upper
84 100
49 96.6 88.2 132.2
51 32.4 26.6 39.8
86 58.9 52.1 78.1





#21

trans-1,2-Dichloroethene

Concen: 51.054 ug/l

RT: 5.48 min Scan# 605

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

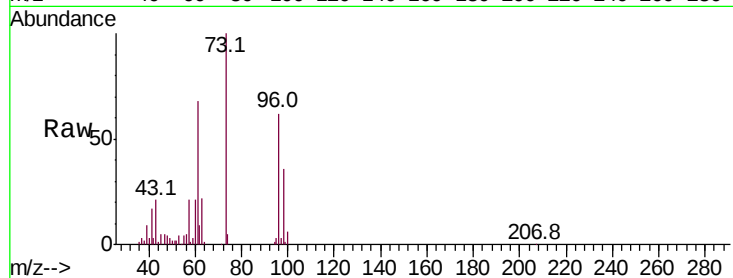
Tot Ion: 96 Resp: 154310

Ion Ratio Lower Upper

96 100

61 111.3 99.6 149.4

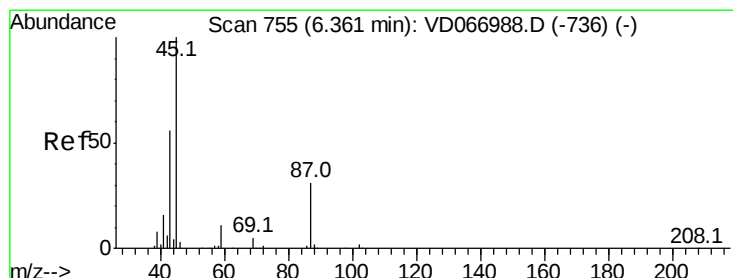
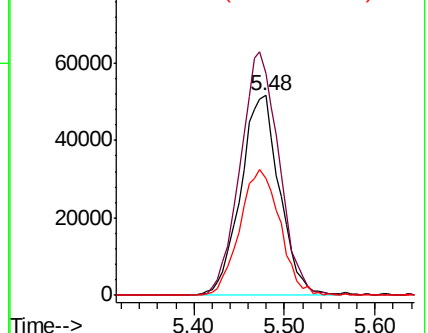
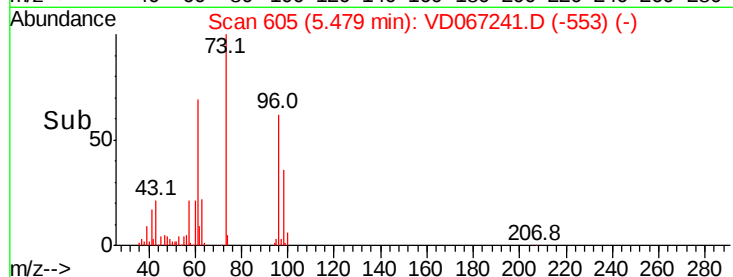
98 58.6 49.4 74.2



Abundance Ion 95.90 (95.60 to 96.60): VDC

Ion 60.90 (60.60 to 61.60): VDC

Ion 97.90 (97.60 to 98.60): VDC



#22

Diisopropyl ether

Concen: 47.420 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion: 45 Resp: 298695

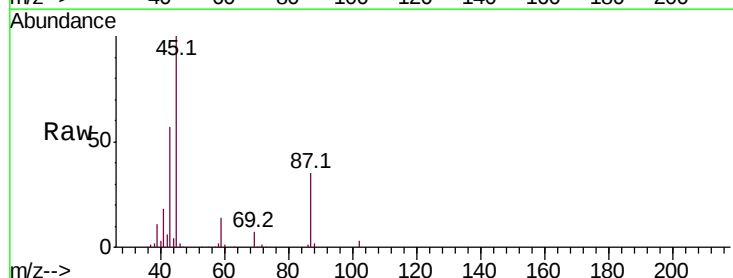
Ion Ratio Lower Upper

45 100

43 56.1 45.2 67.8

87 34.5 25.6 38.4

59 13.9 9.1 13.7#

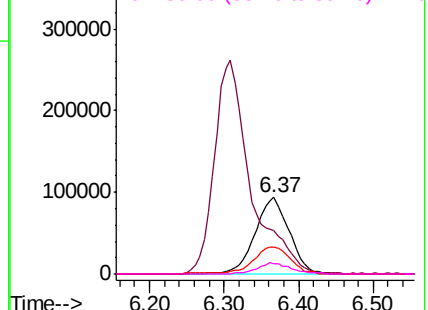
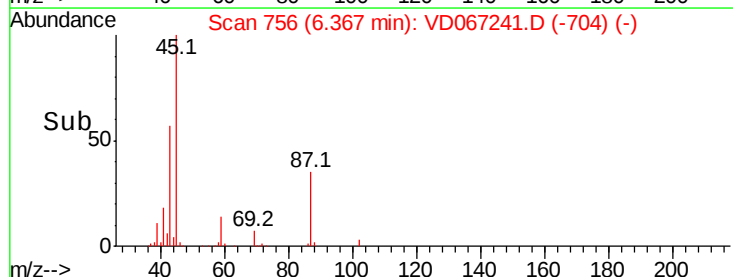


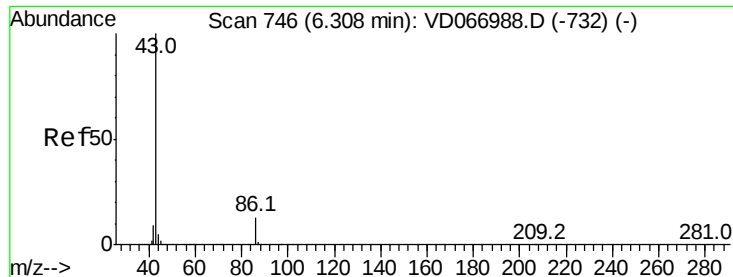
Abundance Ion 45.00 (44.70 to 45.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 87.00 (86.70 to 87.70): VDC

Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 247.787 ug/l

RT: 6.31 min Scan# 746

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

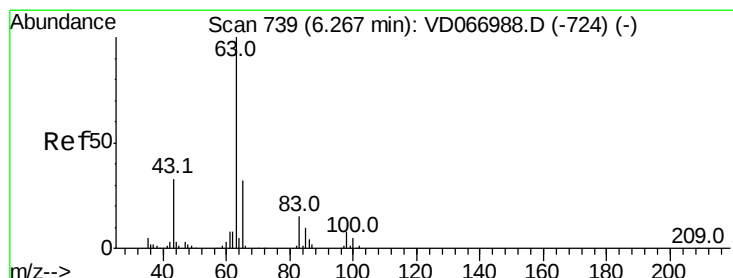
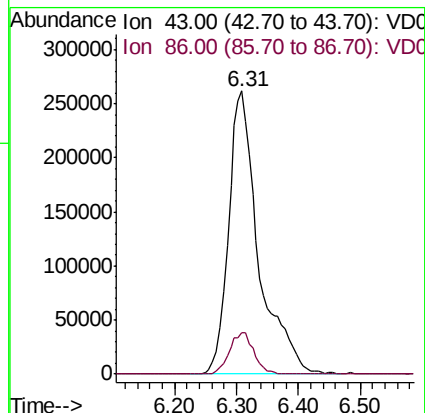
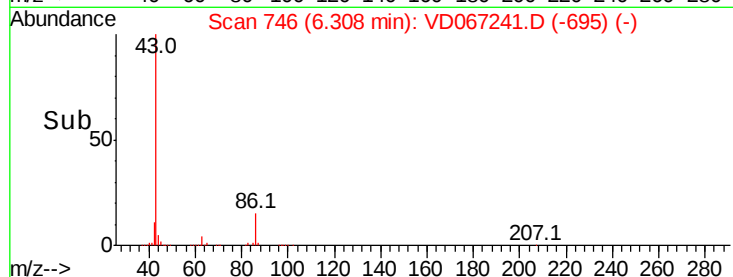
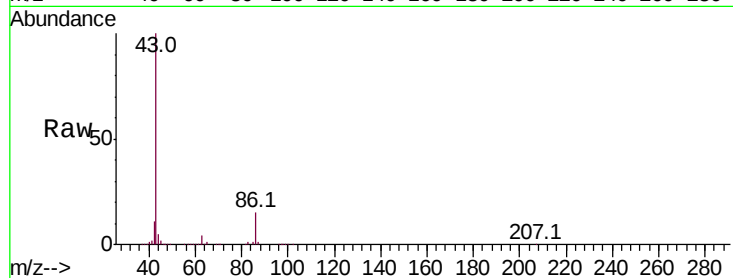
VSTDCCC050EC

Tot Ion: 43 Resp: 884438

Ion Ratio Lower Upper

43 100

86 14.9 10.2 15.2



#24

1,1-Dichloroethane

Concen: 49.213 ug/l

RT: 6.26 min Scan# 738

Delta R.T. -0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

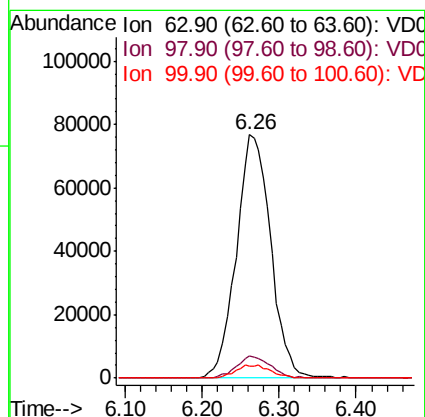
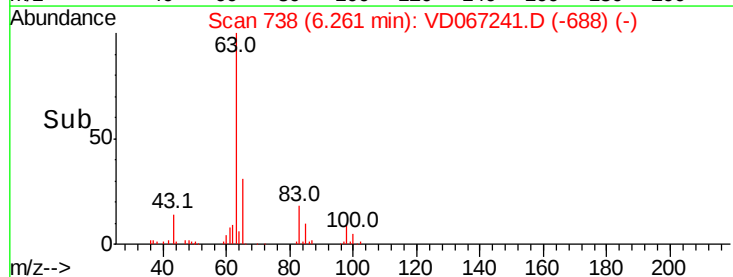
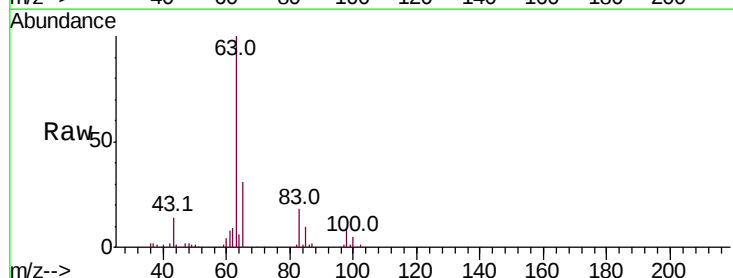
Tgt Ion: 63 Resp: 239233

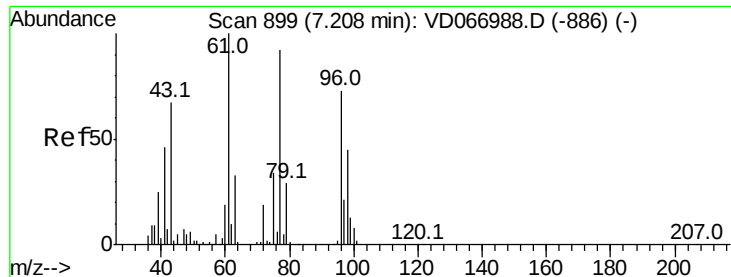
Ion Ratio Lower Upper

63 100

98 9.2 4.2 12.6

100 4.9 2.6 7.8

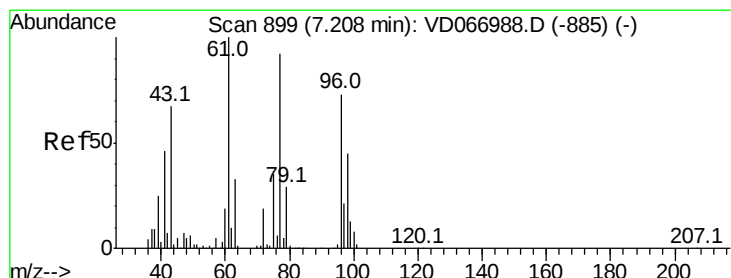
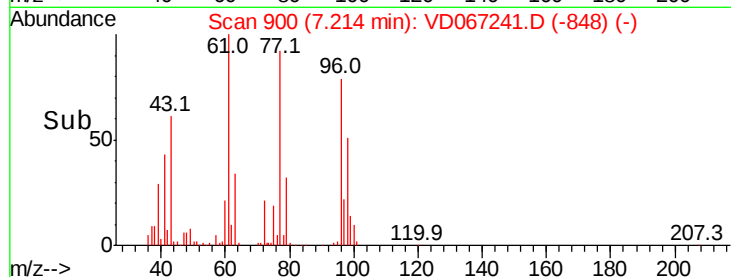
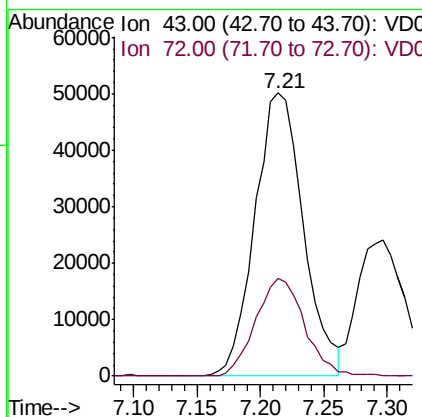
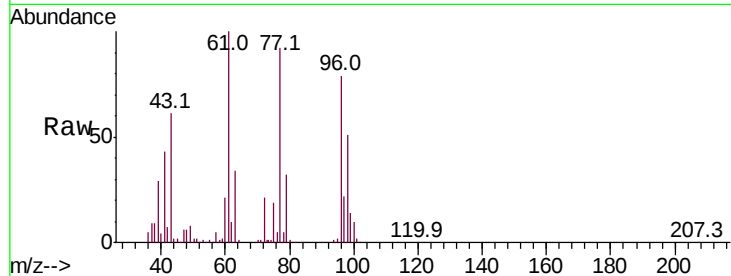




#25
 2-Butanone
 Concen: 228.185 ug/l
 RT: 7.21 min Scan# 900
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

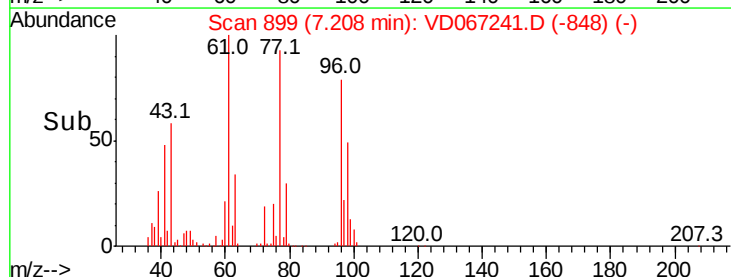
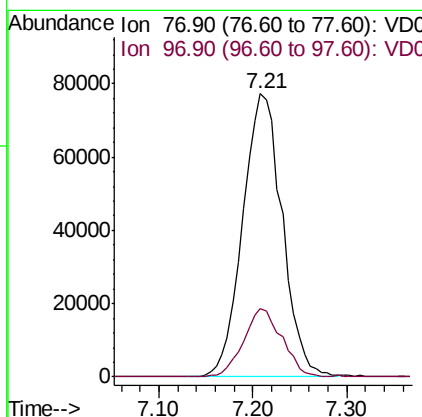
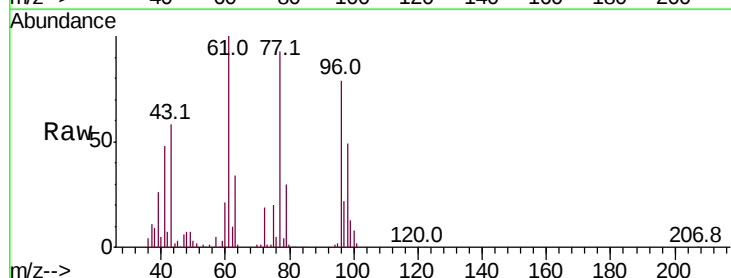
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

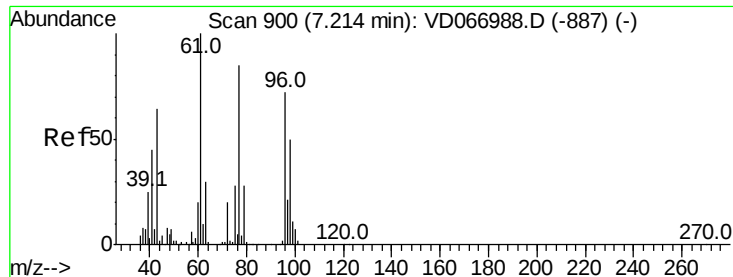
Tot Ion: 43 Resp: 134015
 Ion Ratio Lower Upper
 43 100
 72 34.5 22.8 34.2#



#26
 2,2-Dichloropropane
 Concen: 54.479 ug/l
 RT: 7.21 min Scan# 899
 Delta R.T. 0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion: 77 Resp: 224919
 Ion Ratio Lower Upper
 77 100
 97 23.4 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 54.355 ug/l

RT: 7.21 min Scan# 899

Delta R.T. -0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

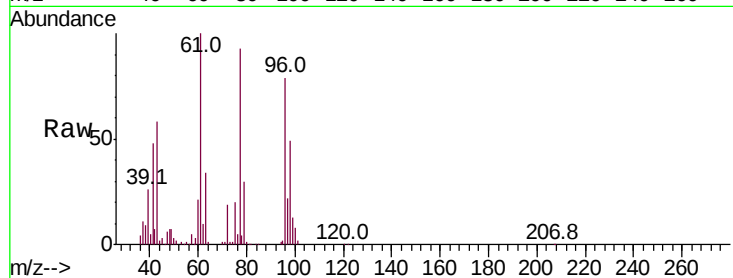
Tot Ion: 96 Resp: 175459

Ion Ratio Lower Upper

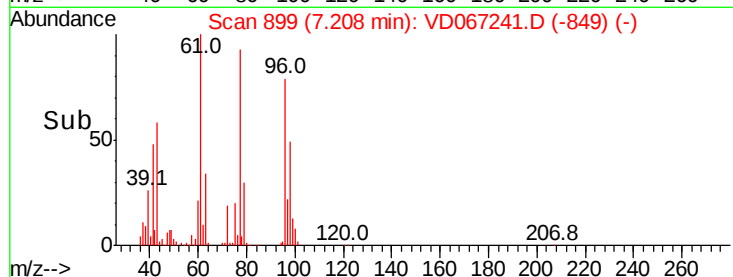
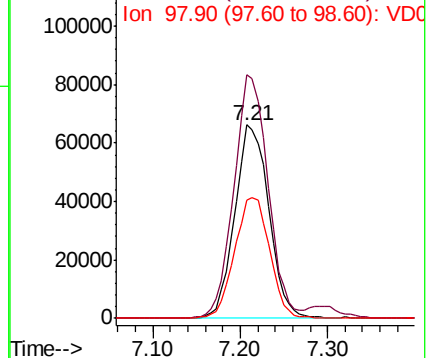
96 100

61 125.5 0.0 269.2

98 63.9 0.0 129.4



Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



#28

Bromochloromethane

Concen: 45.253 ug/l

RT: 7.56 min Scan# 958

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

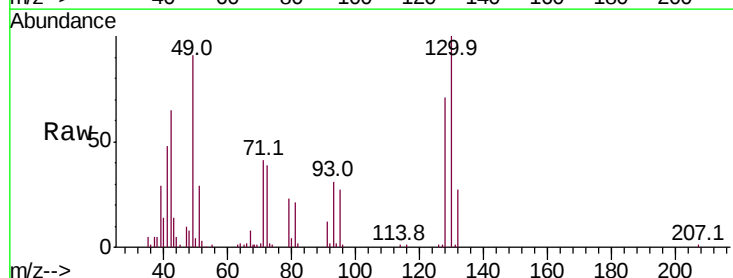
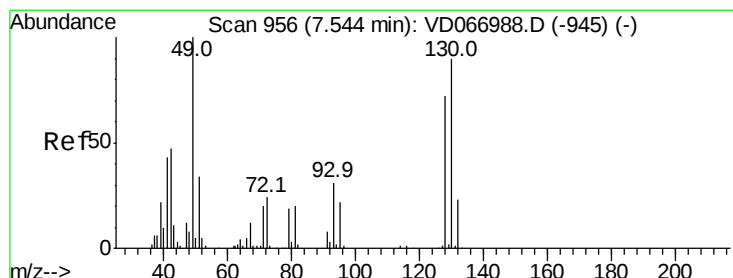
Tgt Ion: 49 Resp: 84954

Ion Ratio Lower Upper

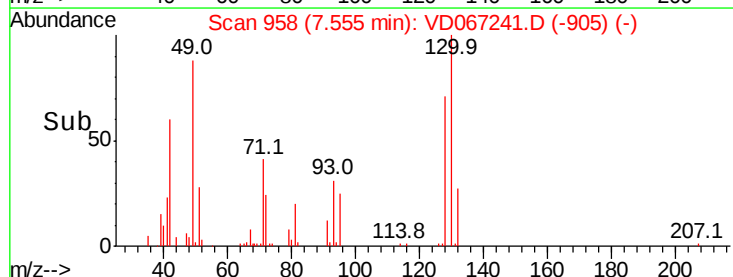
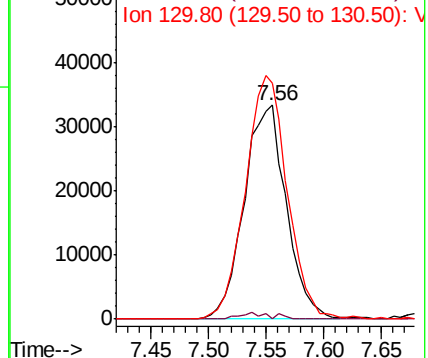
49 100

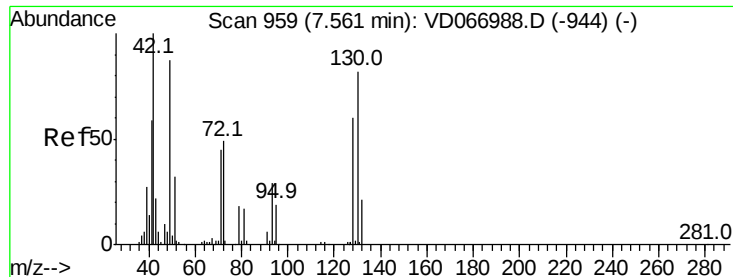
129 1.6 0.0 4.6

130 112.8 74.1 111.1#



Abundance Ion 48.90 (48.60 to 49.60): VDC
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 226.489 ug/l

RT: 7.57 min Scan# 960

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

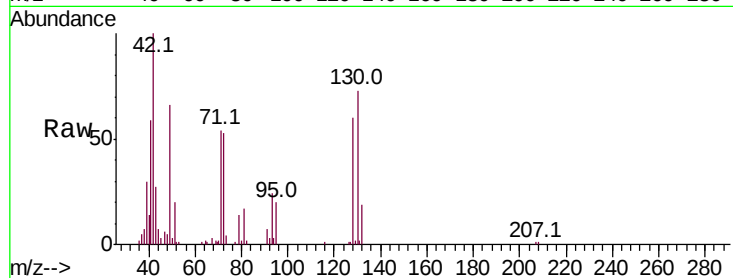
Tot Ion: 42 Resp: 76485

Ion Ratio Lower Upper

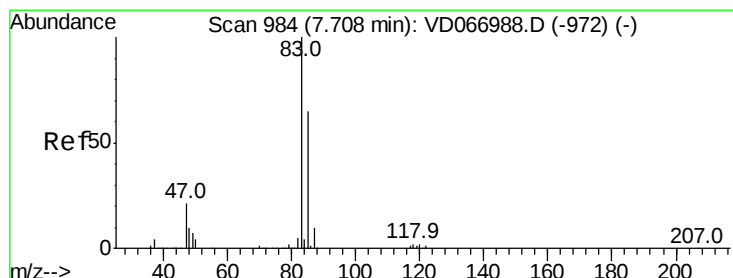
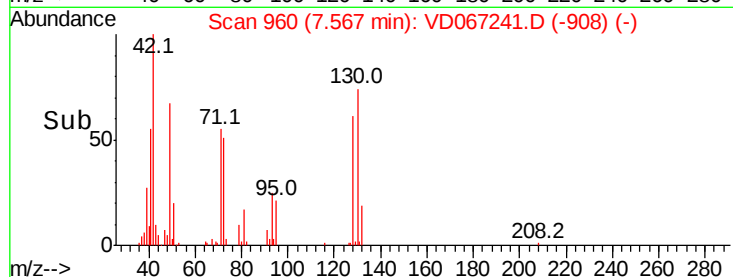
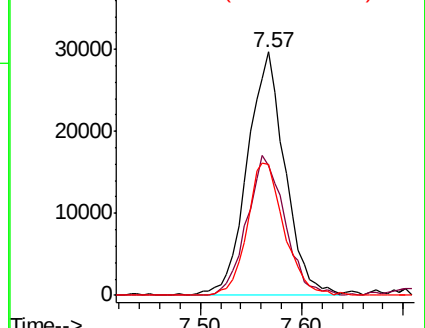
42 100

72 57.9 39.1 58.7

71 53.4 34.2 51.4#



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: 55.677 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.01 min

Lab File: VD067241.D

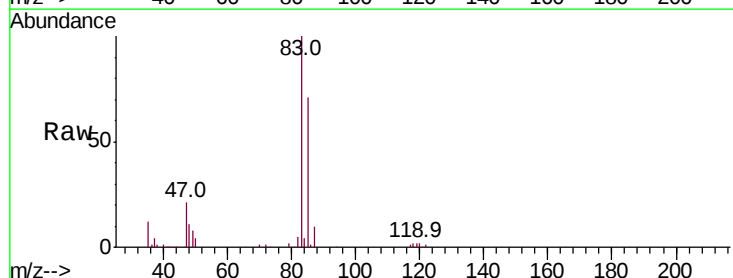
Acq: 12 Oct 2020 19:05

Tgt Ion: 83 Resp: 293602

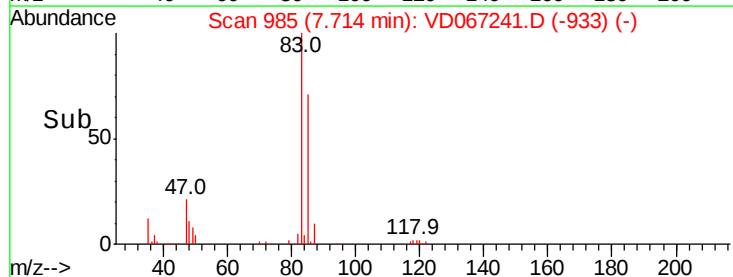
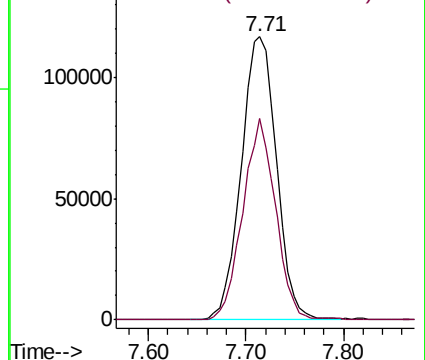
Ion Ratio Lower Upper

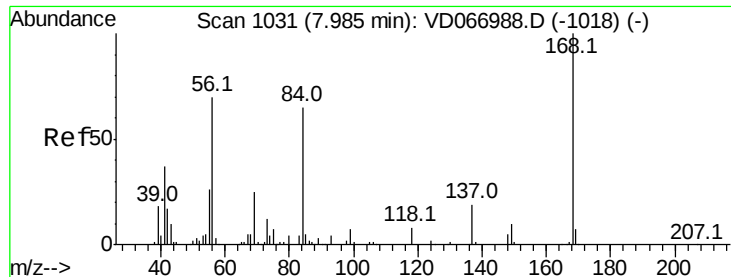
83 100

85 71.2 52.3 78.5



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

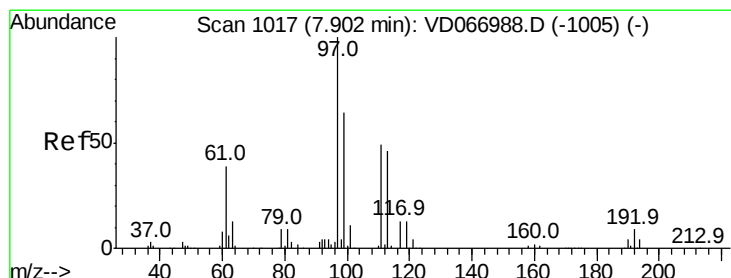
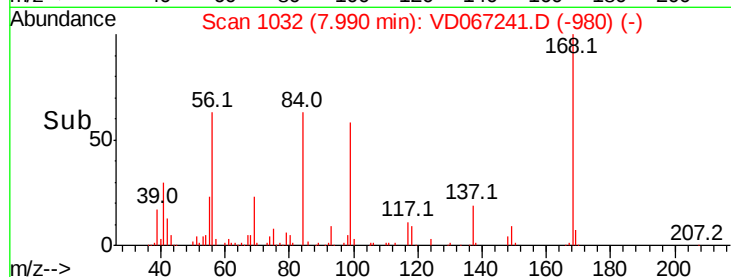
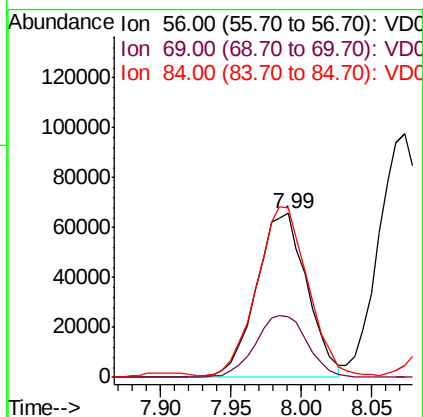
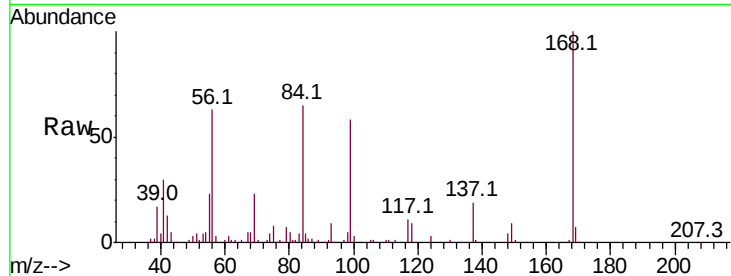




#31
Cyclohexane
Concen: 40.684 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

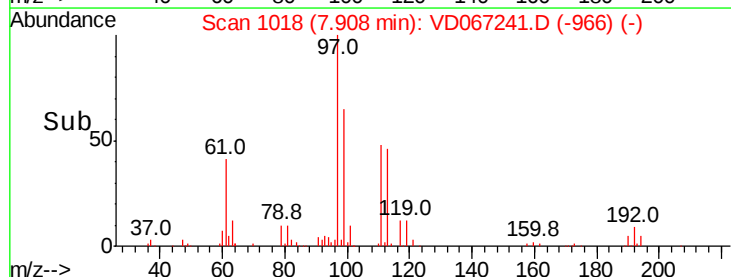
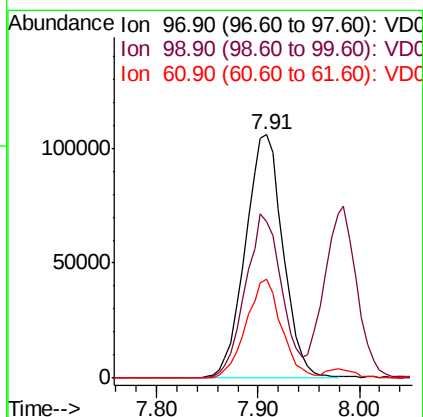
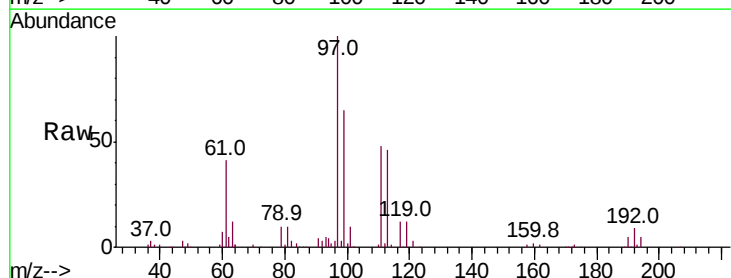
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

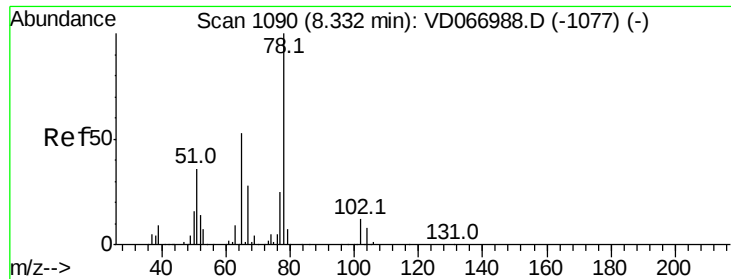
Tot Ion: 56 Resp: 165805
Ion Ratio Lower Upper
56 100
69 36.5 29.0 43.6
84 101.3 74.2 111.2



#32
1,1,1-Trichloroethane
Concen: 55.788 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 97 Resp: 272644
Ion Ratio Lower Upper
97 100
99 65.2 52.6 78.8
61 38.1 32.8 49.2

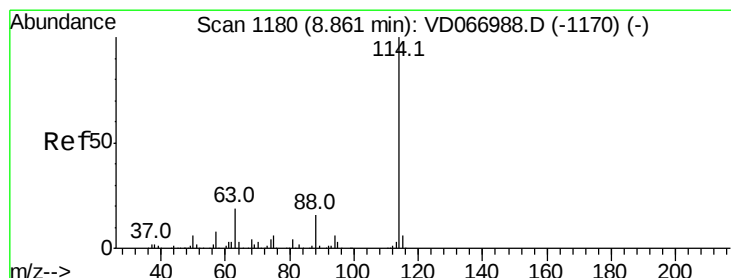
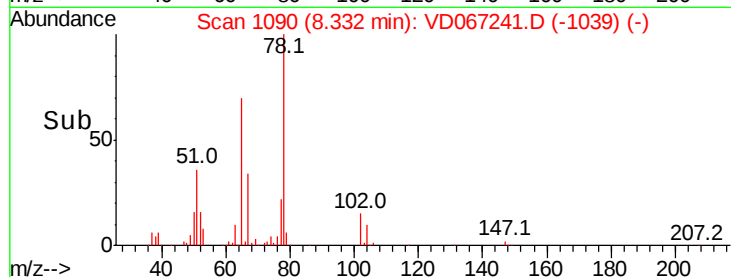
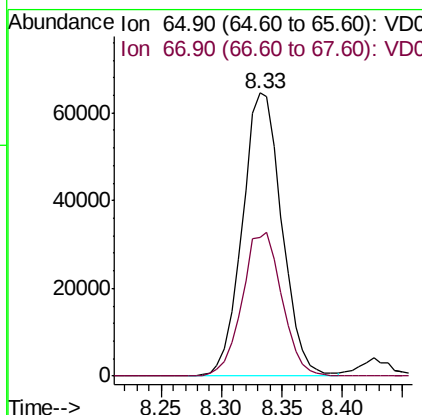
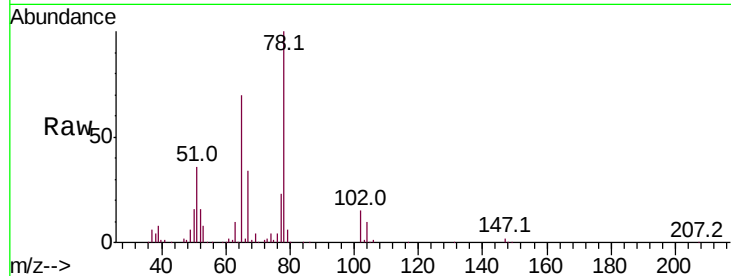




#33
 1,2-Dichloroethane-d4
 Concen: 54.315 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

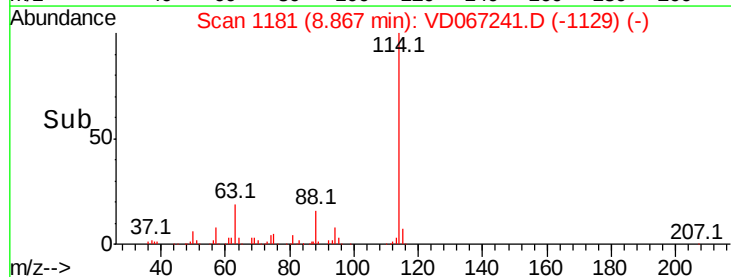
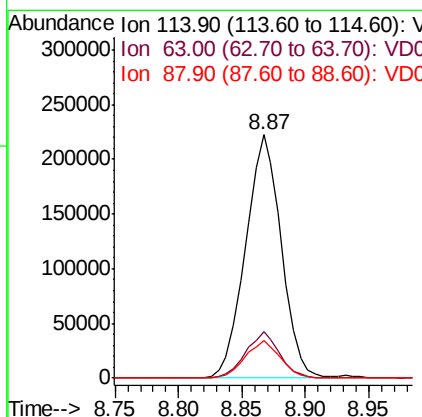
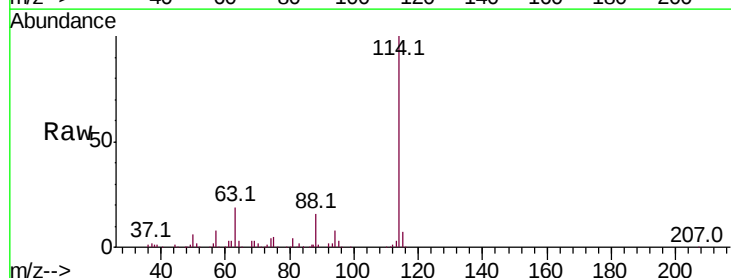
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

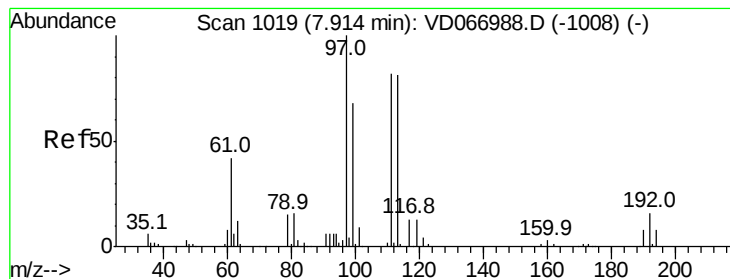
Tot Ion: 65 Resp: 147394
 Ion Ratio Lower Upper
 65 100
 67 51.0 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion: 114 Resp: 436857
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 38.4
 88 15.5 0.0 31.2





#35

Dibromofluoromethane

Concen: 53.750 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

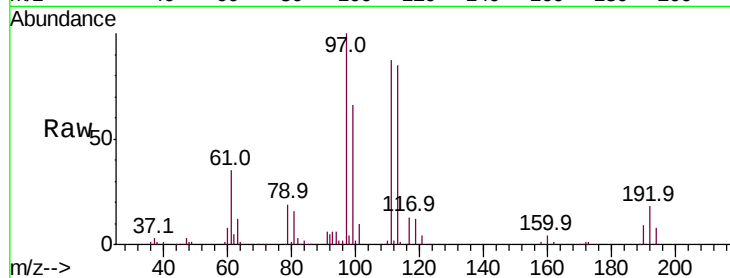
Tot Ion:113 Resp: 153726

Ion Ratio Lower Upper

113 100

111 99.4 83.0 124.4

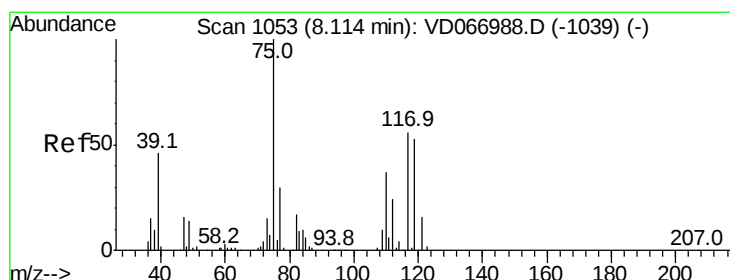
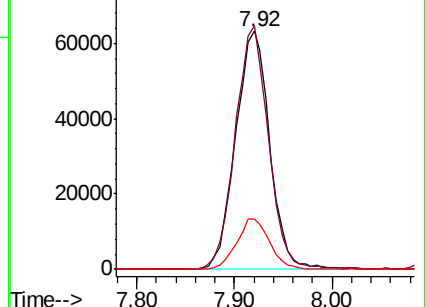
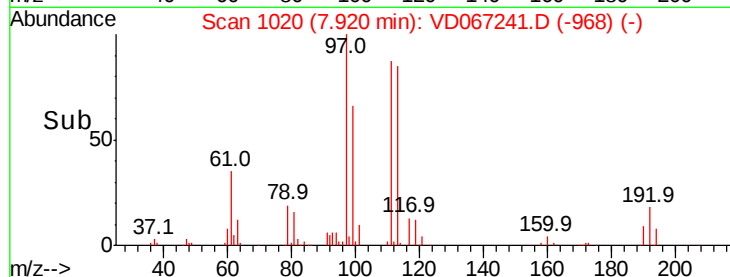
192 20.5 15.5 23.3



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: 48.505 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

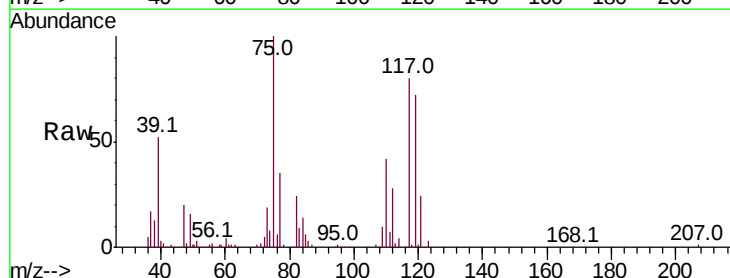
Tgt Ion: 75 Resp: 197512

Ion Ratio Lower Upper

75 100

110 39.7 18.4 55.0

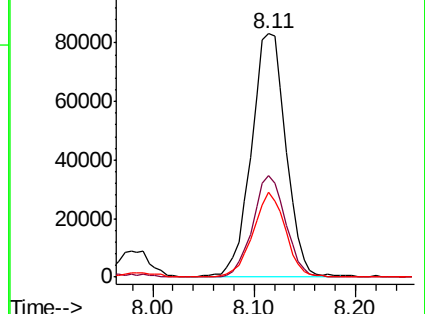
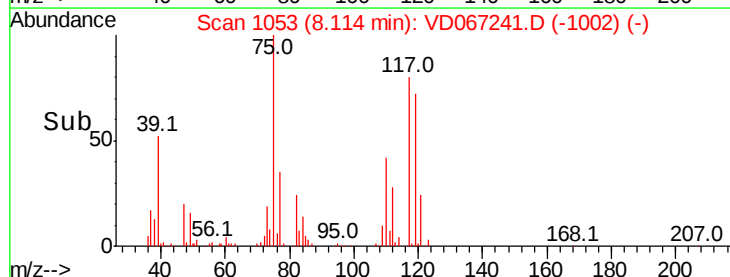
77 32.6 24.8 37.2

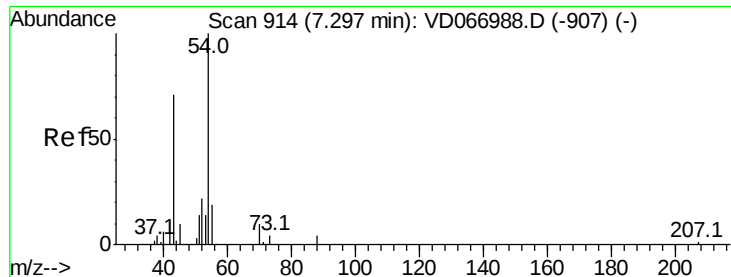


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#37

Ethyl Acetate

Concen: 42.775 ug/l

RT: 7.30 min Scan# 914

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

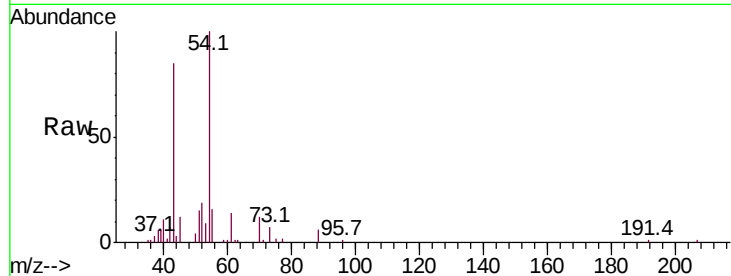
Tot Ion: 43 Resp: 60341

Ion Ratio Lower Upper

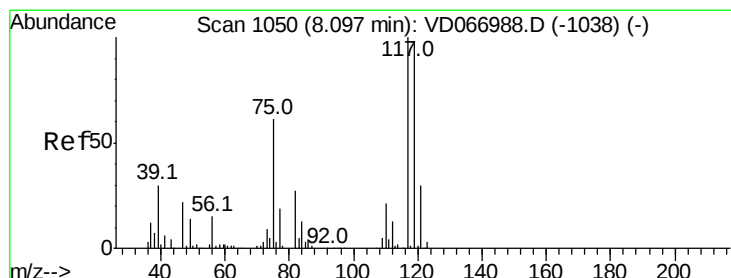
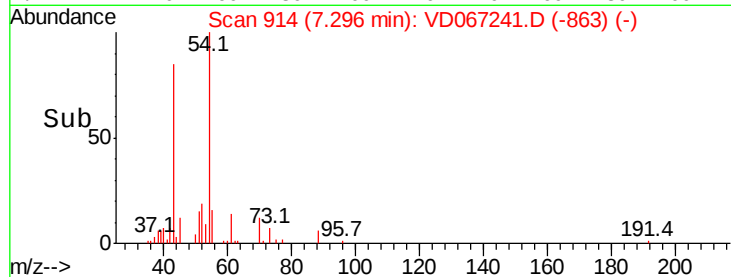
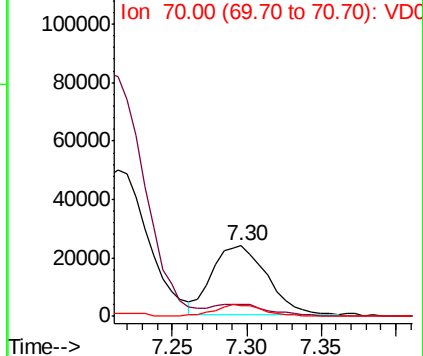
43 100

61 17.7 12.5 18.7

70 14.7 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 70.00 (69.70 to 70.70): VDC



#38

Carbon Tetrachloride

Concen: 59.009 ug/l

RT: 8.10 min Scan# 1050

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

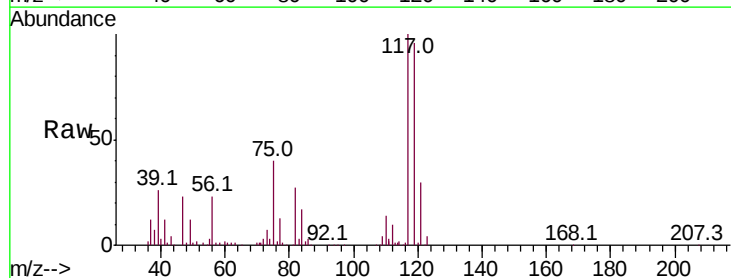
Tgt Ion: 117 Resp: 259985

Ion Ratio Lower Upper

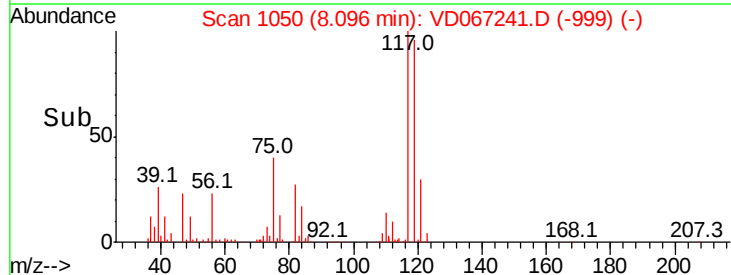
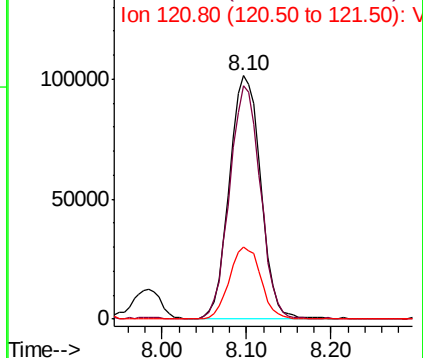
117 100

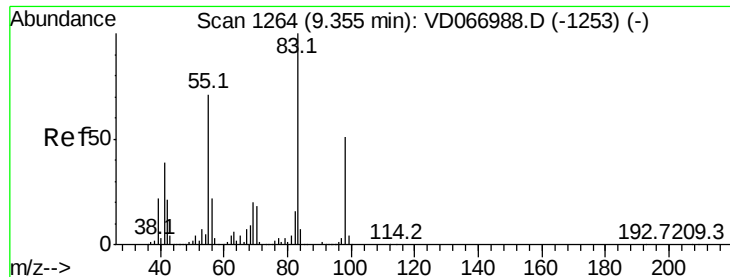
119 95.8 78.7 118.1

121 29.8 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

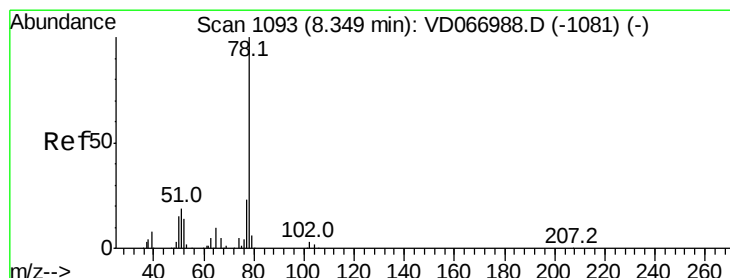
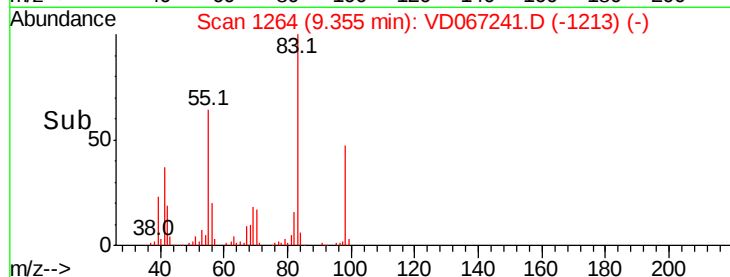
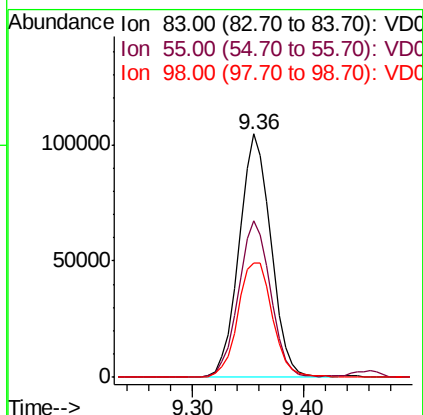
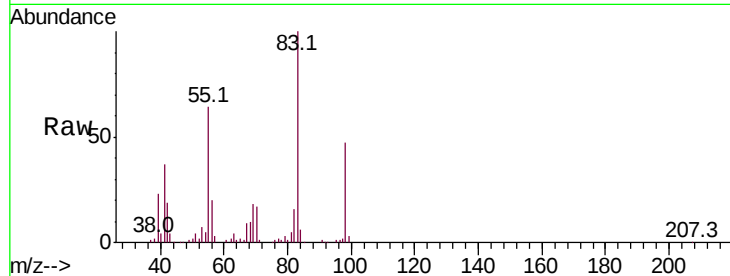




#39
Methvlcvclohexane
Concen: 49.464 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

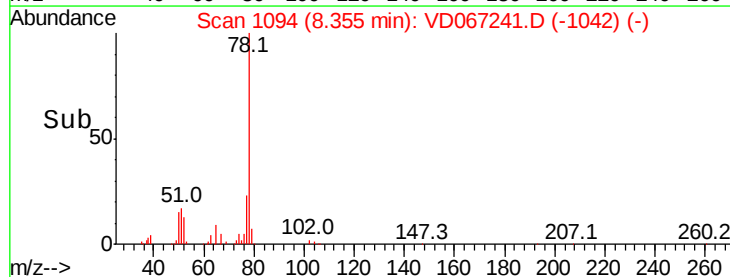
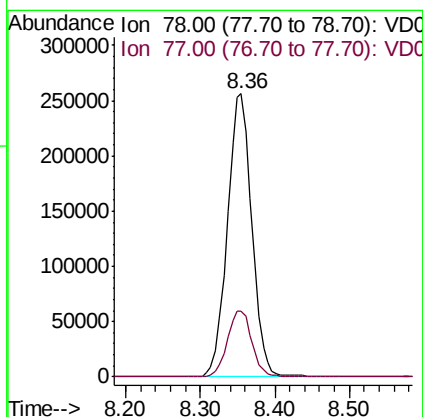
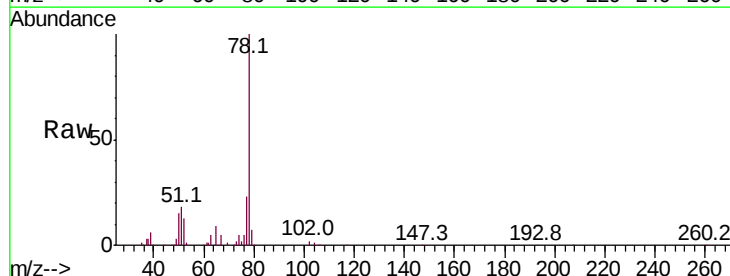
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

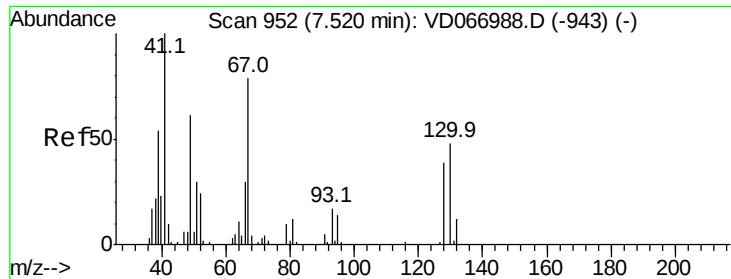
Tot Ion	Ratio	Lower	Upper
83	100		
55	64.2	57.1	85.7
98	47.0	40.9	61.3



#40
Benzene
Concen: 51.560 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.2	18.4	27.6

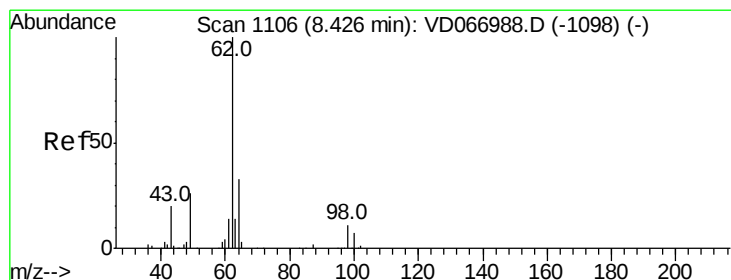
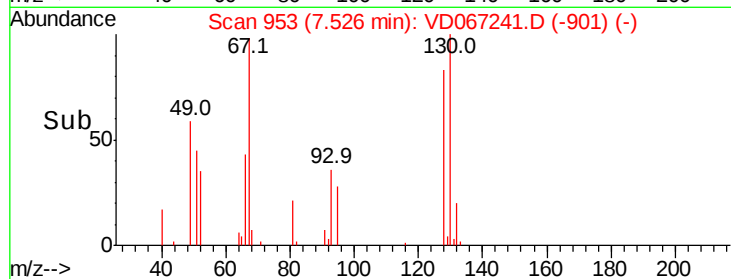
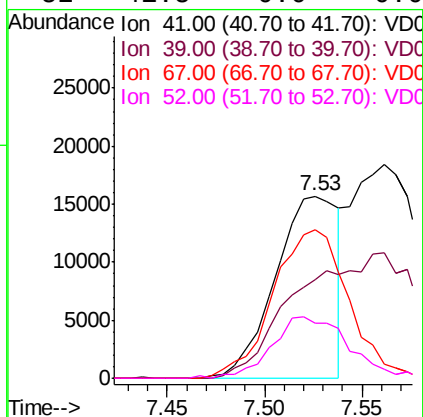
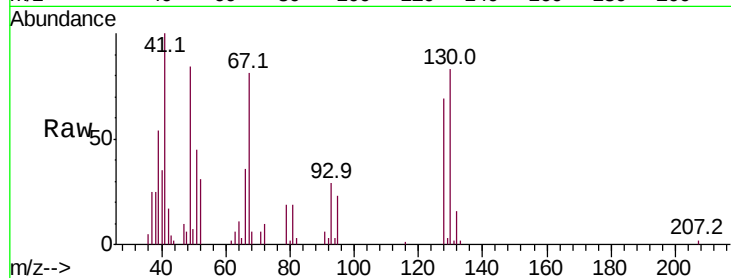




#41
Methacrylonitrile
Concen: 46.276 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

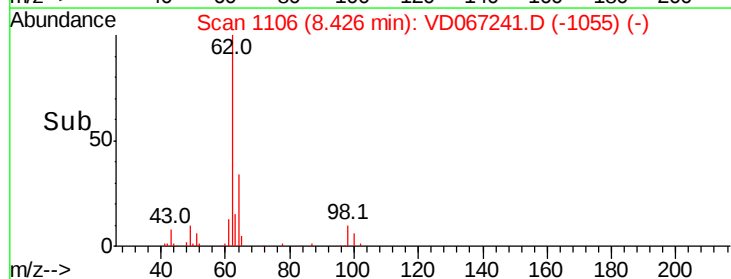
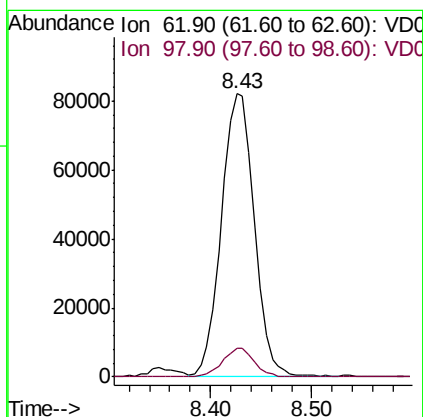
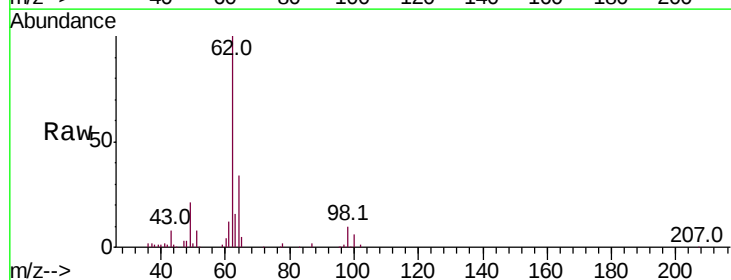
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

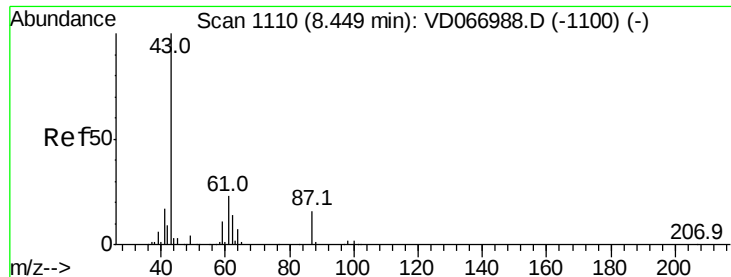
Tot Ion: 41 Resp: 35267
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 97.1 0.0 0.0#
52 41.5 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 58.088 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 62 Resp: 183582
Ion Ratio Lower Upper
62 100
98 9.9 0.0 22.6





#43

Isopropyl Acetate

Concen: 48.427 ug/l

RT: 8.45 min Scan# 1110

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

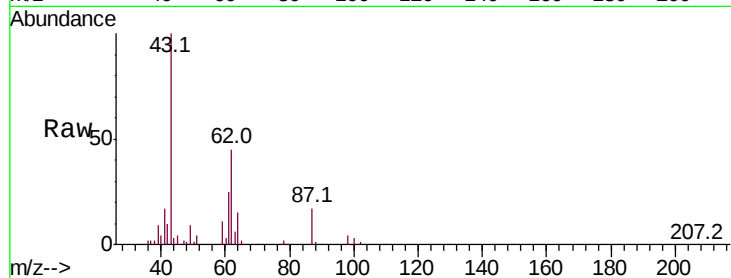
Tot Ion: 43 Resp: 125849

Ion Ratio Lower Upper

43 100

61 36.3 27.1 40.7

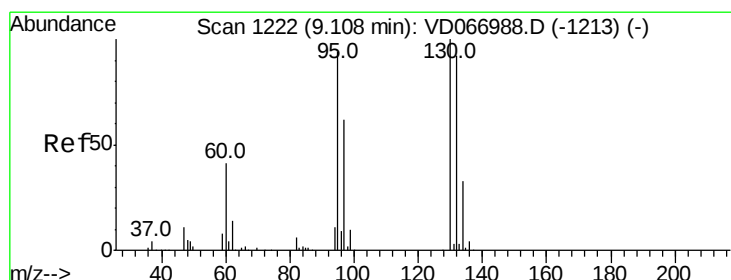
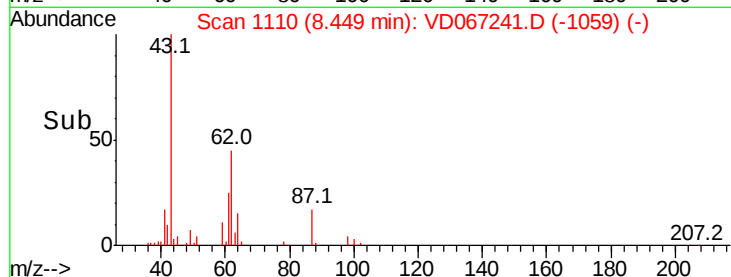
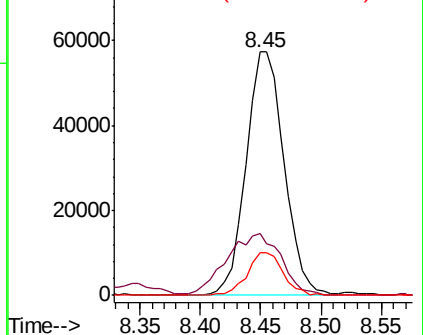
87 16.5 12.3 18.5



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: 55.319 ug/l

RT: 9.11 min Scan# 1223

Delta R.T. 0.01 min

Lab File: VD067241.D

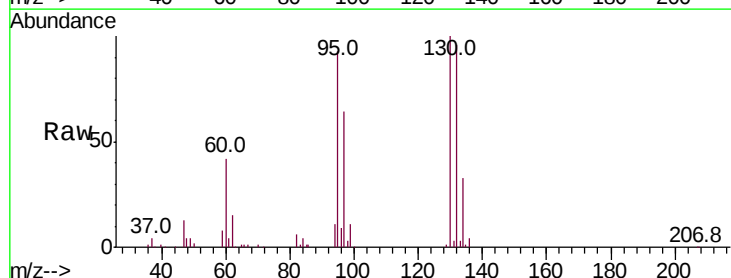
Acq: 12 Oct 2020 19:05

Tgt Ion:130 Resp: 186831

Ion Ratio Lower Upper

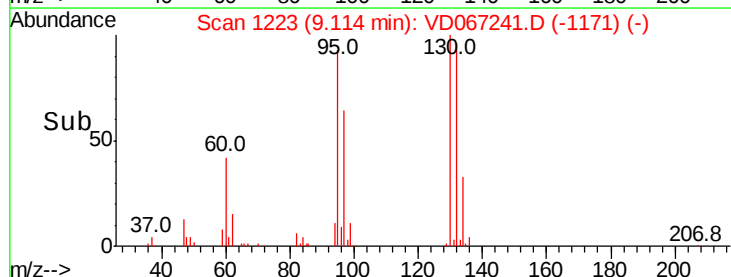
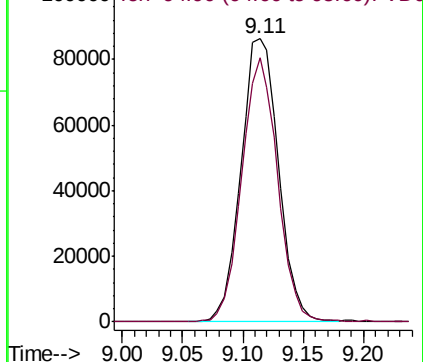
130 100

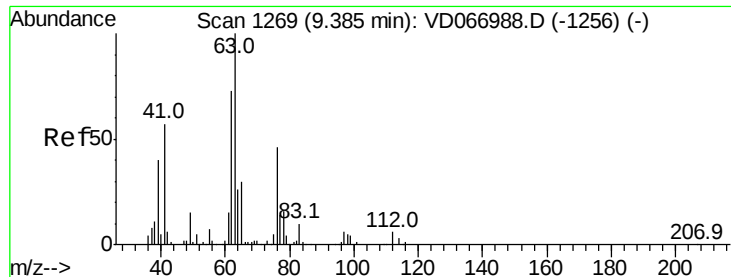
95 93.3 0.0 187.8



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 50.567 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

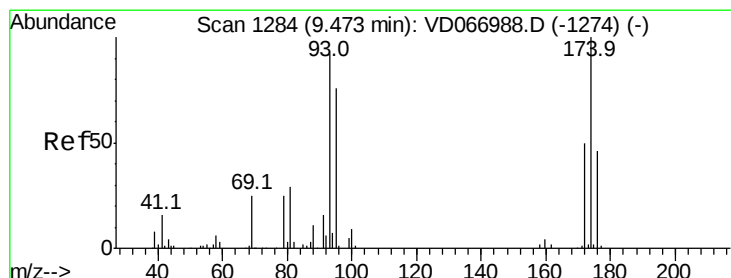
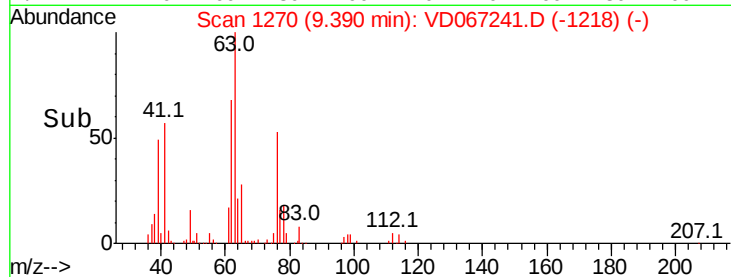
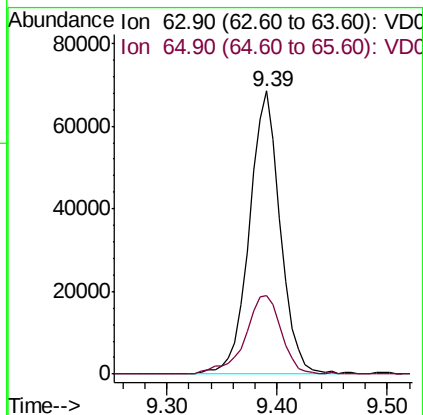
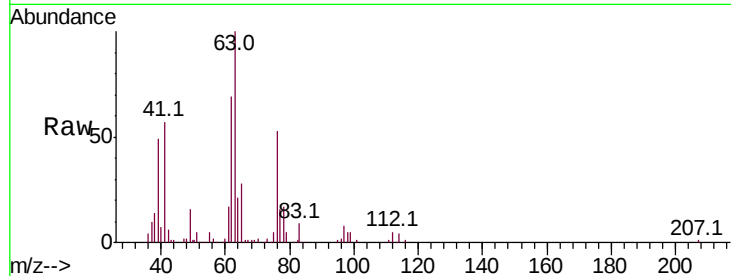
VSTDCCC050EC

Tot Ion: 63 Resp: 134380

Ion Ratio Lower Upper

63 100

65 28.0 23.7 35.5



#46

Dibromomethane

Concen: 54.720 ug/l

RT: 9.47 min Scan# 1284

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

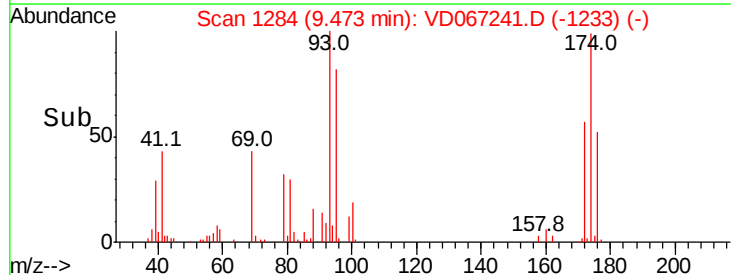
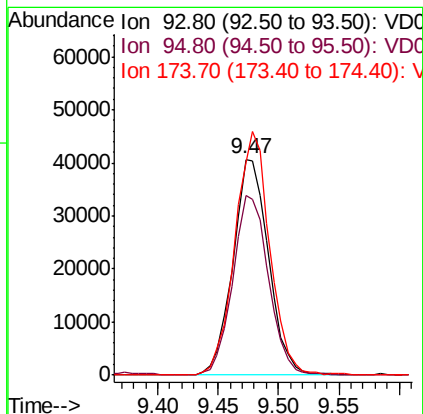
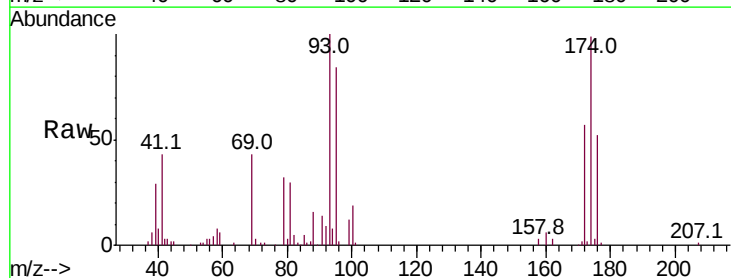
Tgt Ion: 93 Resp: 83578

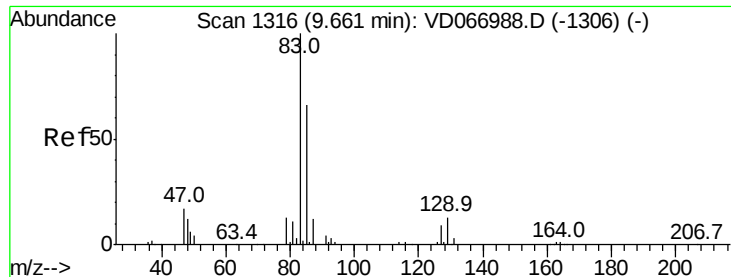
Ion Ratio Lower Upper

93 100

95 83.6 64.7 97.1

174 110.3 81.4 122.2





#47

Bromodichloromethane

Concen: 57.397 ug/l

RT: 9.66 min Scan# 1316

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

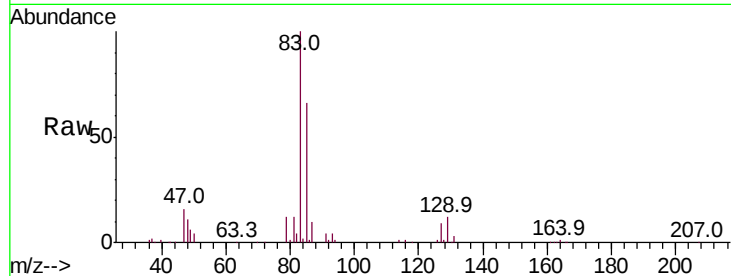
Tot Ion: 83 Resp: 227884

Ion Ratio Lower Upper

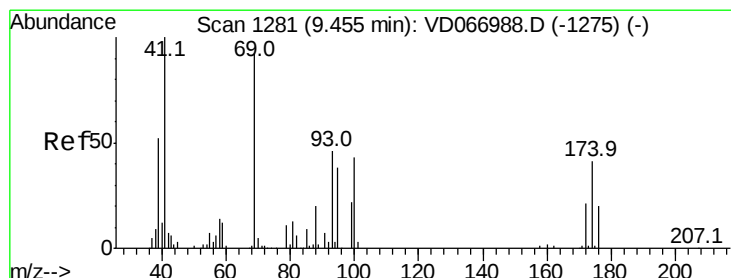
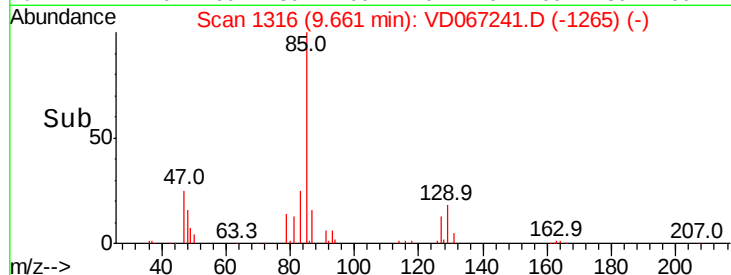
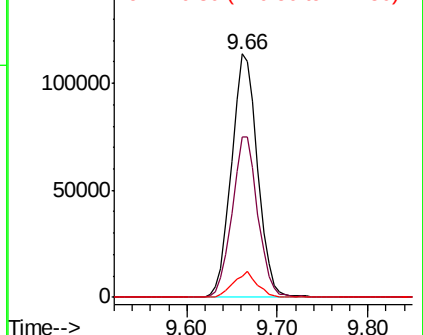
83 100

85 66.0 52.9 79.3

127 8.6 7.3 10.9



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: 45.749 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

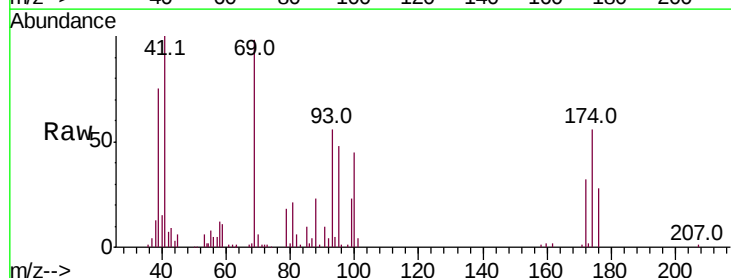
Tgt Ion: 41 Resp: 60909

Ion Ratio Lower Upper

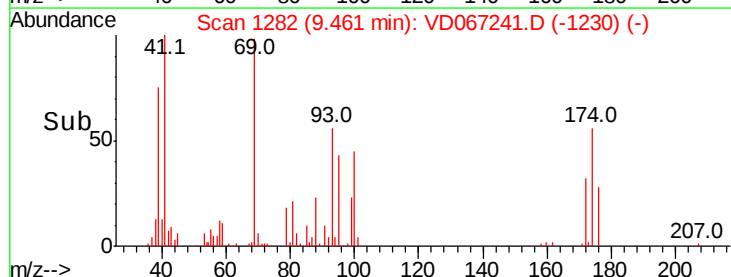
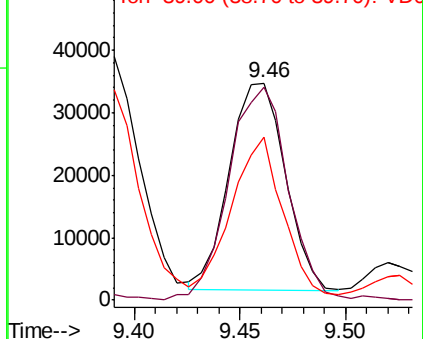
41 100

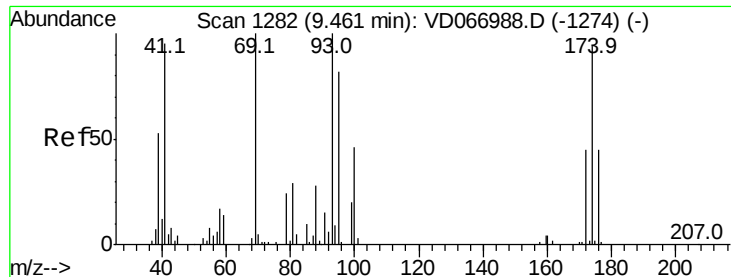
69 110.4 68.5 102.7#

39 74.7 40.2 60.2#



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

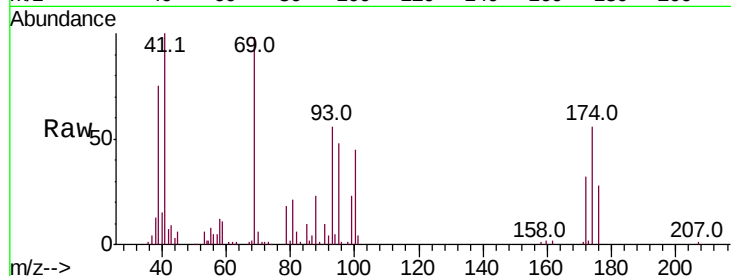




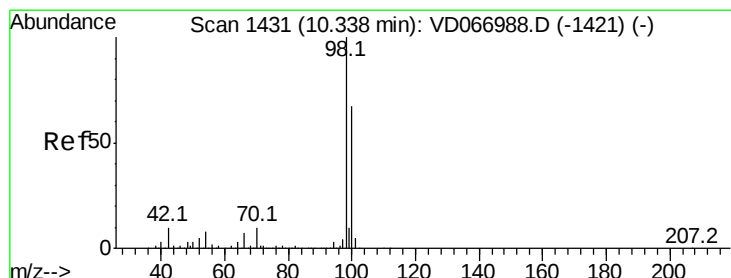
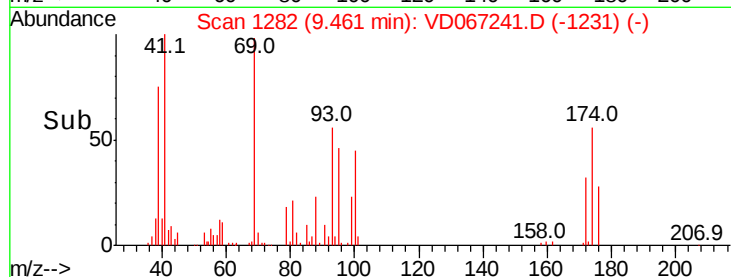
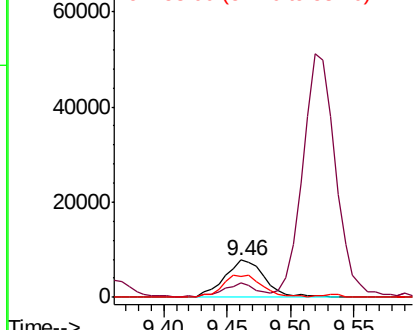
#49
1,4-Dioxane
Concen: 1072.834 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 88 Resp: 17102
Ion Ratio Lower Upper
88 100
43 33.1 25.6 38.4
58 60.4 53.5 80.3

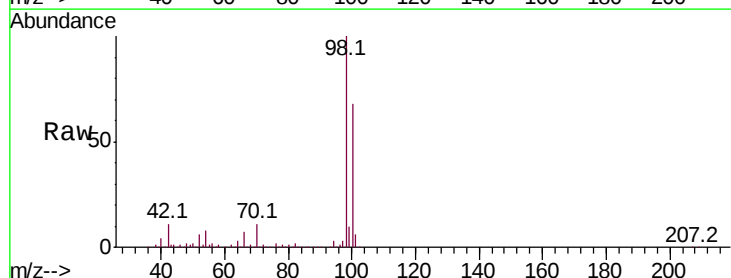


Abundance Ion 88.00 (87.70 to 88.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 58.00 (57.70 to 58.70): VDC

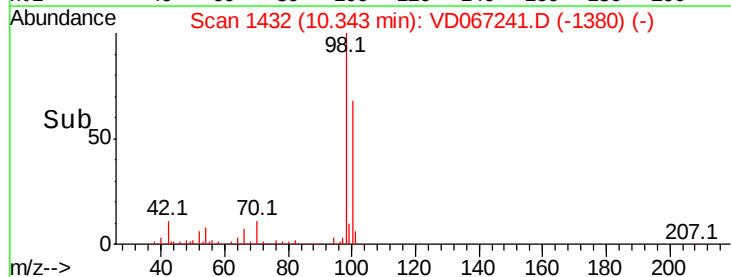
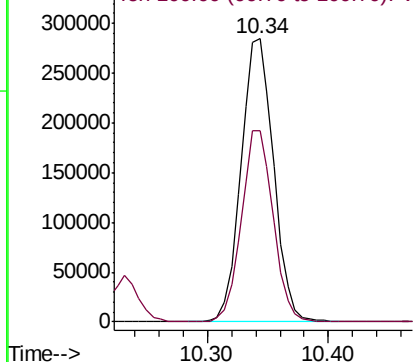


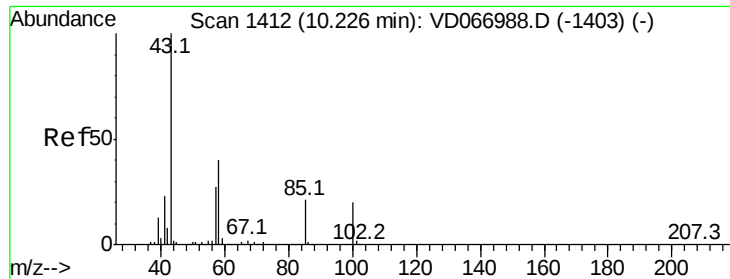
#50
Toluene-d8
Concen: 51.418 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 98 Resp: 535854
Ion Ratio Lower Upper
98 100
100 66.4 52.8 79.2



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: 248.795 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

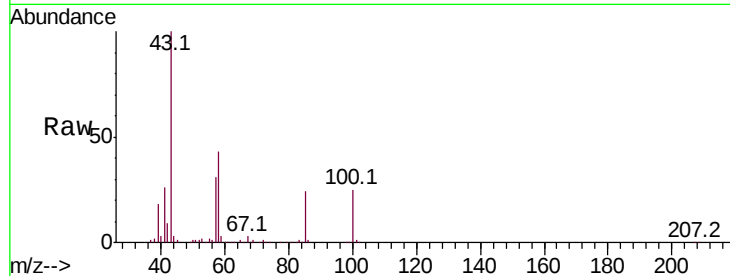
VSTDCCC050EC

Tot Ion: 43 Resp: 322044

Ion Ratio Lower Upper

43 100

58 44.0 33.8 50.8



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

150000

100000

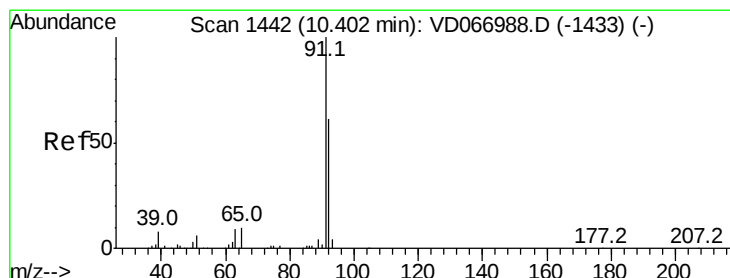
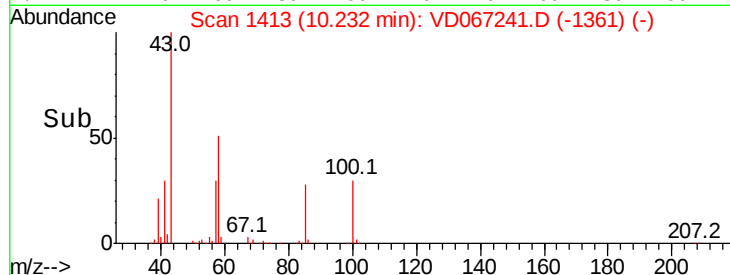
50000

0

Time-->

10.20

10.30



#52

Toluene

Concen: 54.463 ug/l

RT: 10.40 min Scan# 1442

Delta R.T. -0.00 min

Lab File: VD067241.D

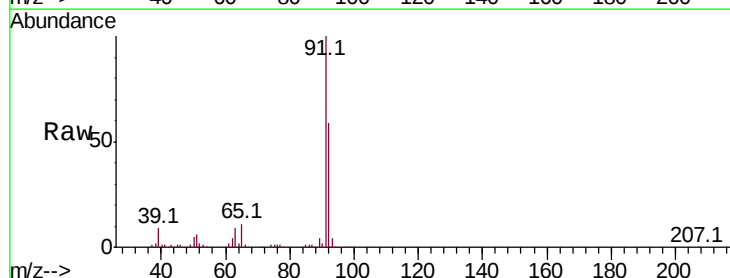
Acq: 12 Oct 2020 19:05

Tgt Ion: 92 Resp: 396798

Ion Ratio Lower Upper

92 100

91 170.1 135.1 202.7



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

300000

200000

100000

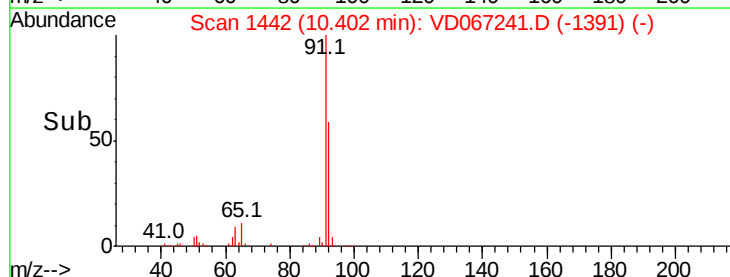
0

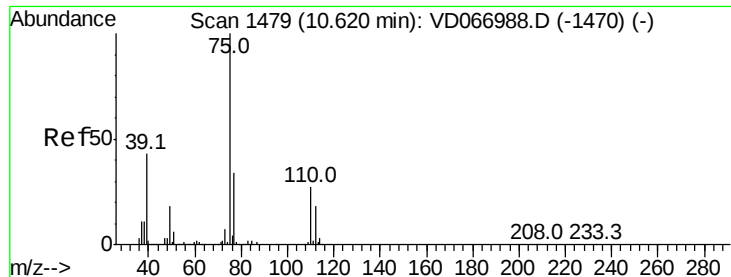
Time-->

10.30

10.40

10.50





#53

t-1,3-Dichloropropene

Concen: 55.579 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

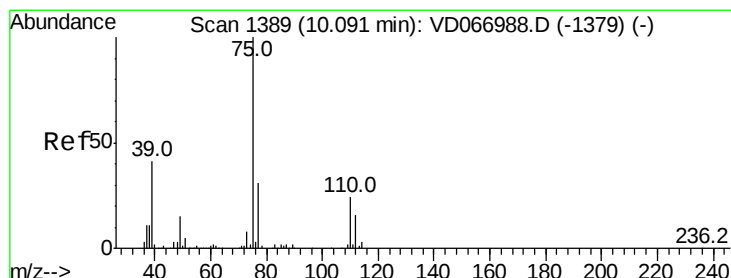
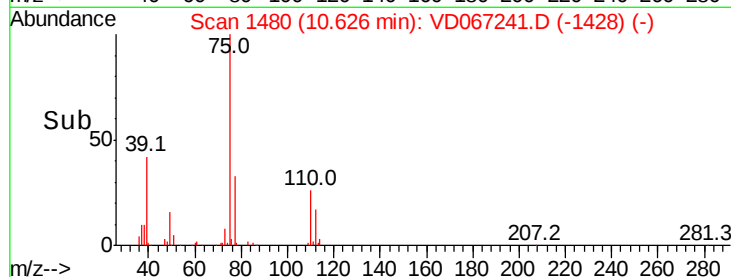
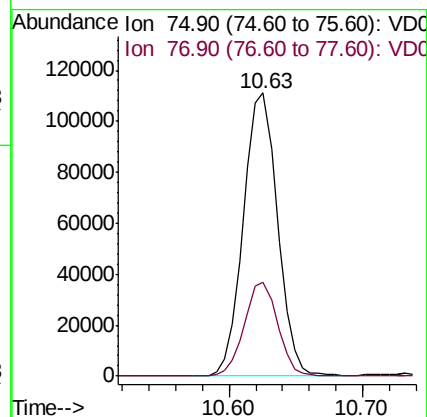
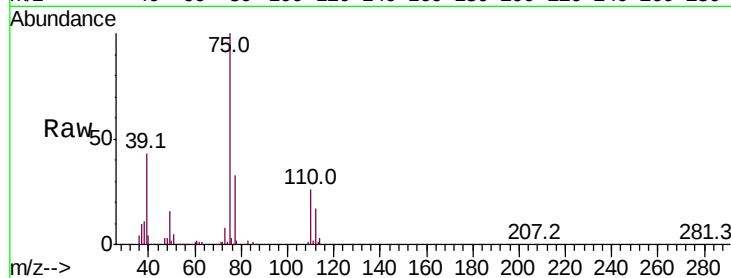
VSTDCCC050EC

Tot Ion: 75 Resp: 197217

Ion Ratio Lower Upper

75 100

77 33.3 27.1 40.7



#54

cis-1,3-Dichloropropene

Concen: 53.612 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

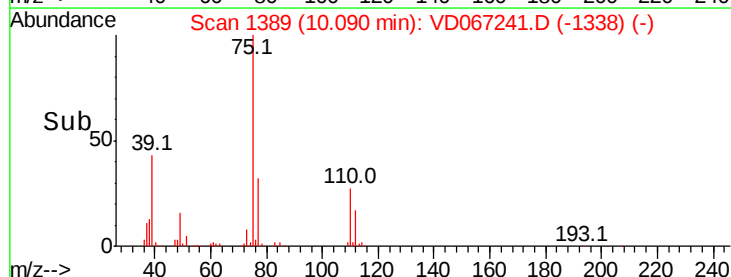
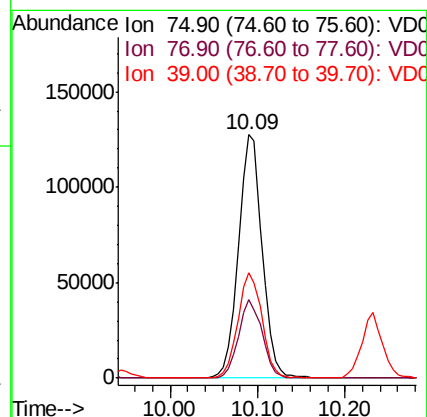
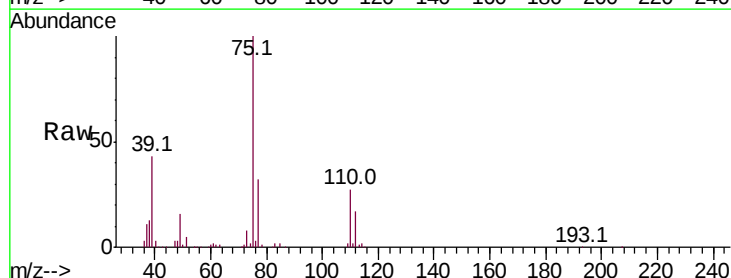
Tgt Ion: 75 Resp: 232300

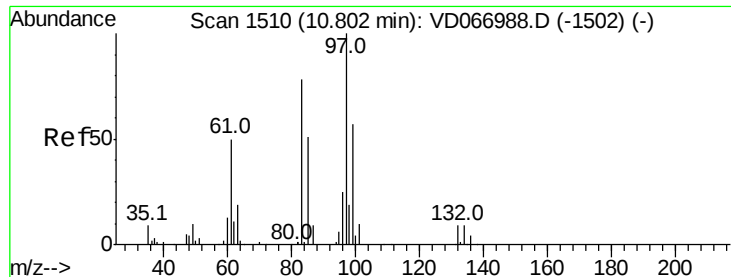
Ion Ratio Lower Upper

75 100

77 32.3 24.6 37.0

39 42.9 33.0 49.4





#55

1,1,2-Trichloroethane

Concen: 54.547 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

Tot Ion: 97 Resp: 115831

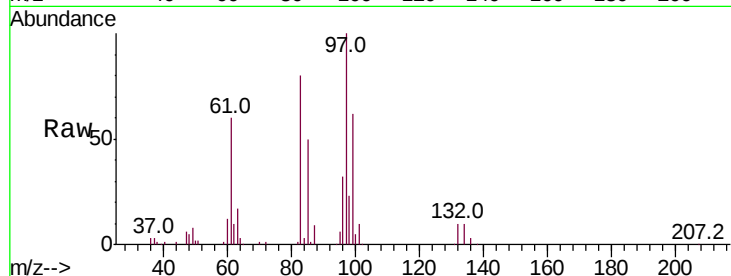
Ion Ratio Lower Upper

97 100

83 80.2 62.4 93.6

85 50.3 41.0 61.4

99 61.3 45.9 68.9

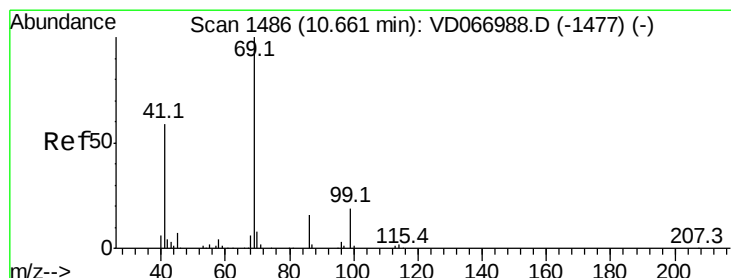
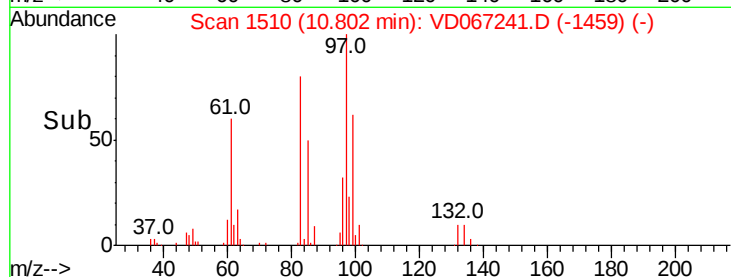
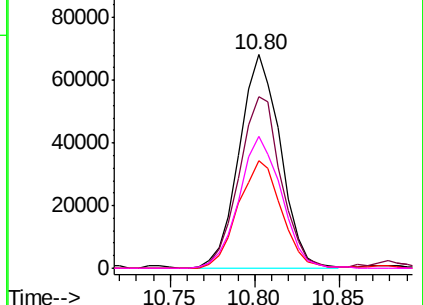


Abundance Ion 96.90 (96.60 to 97.60): VDC

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: 58.309 ug/l

RT: 10.66 min Scan# 1486

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

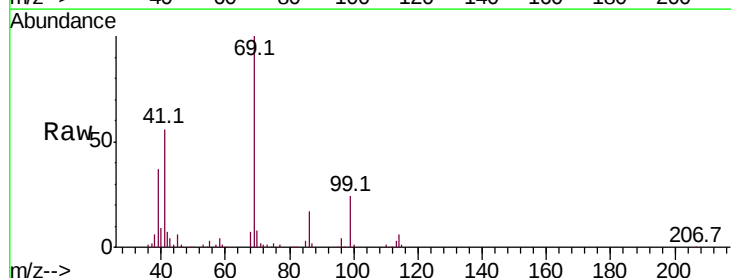
Tgt Ion: 69 Resp: 127837

Ion Ratio Lower Upper

69 100

41 56.1 46.4 69.6

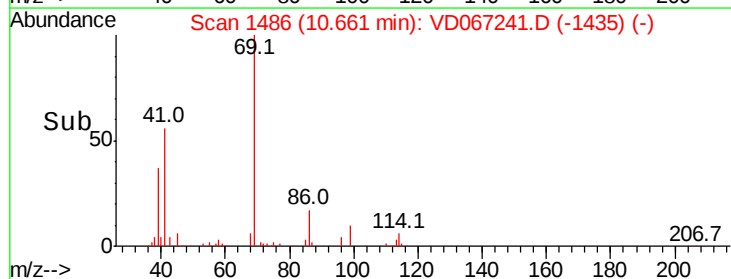
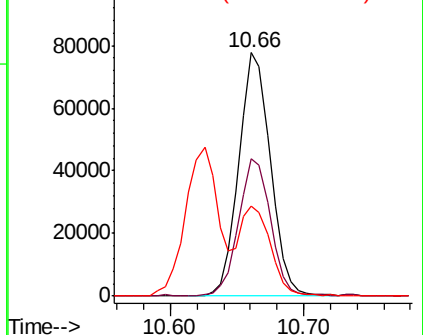
39 37.6 23.8 35.6#

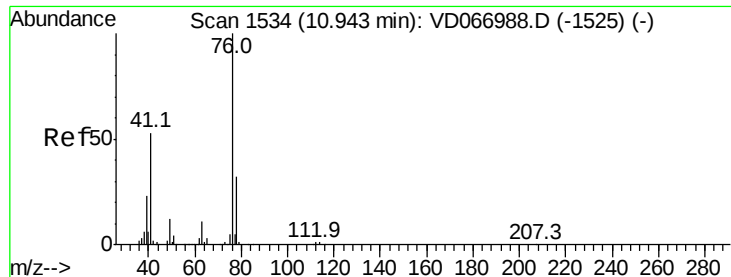


Abundance Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 54.681 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

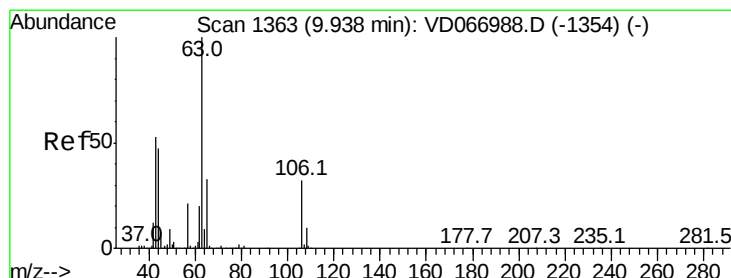
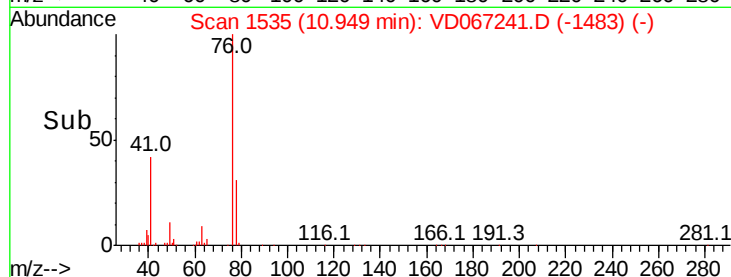
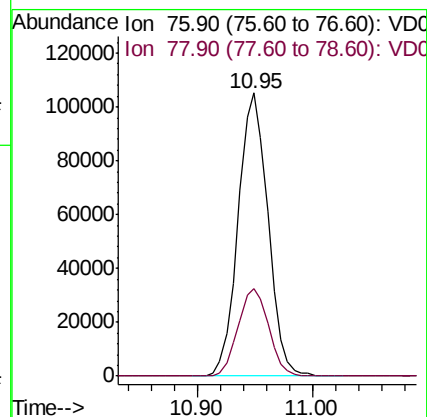
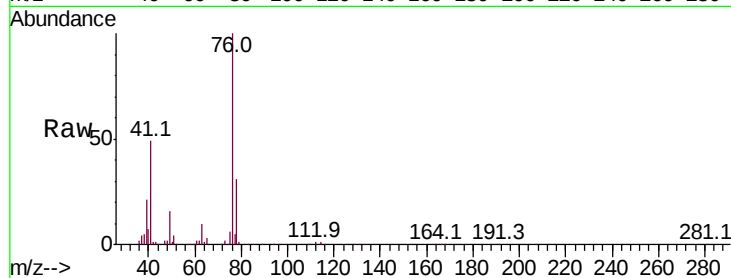
VSTDCCC050EC

Tot Ion: 76 Resp: 188294

Ion Ratio Lower Upper

76 100

78 32.1 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 261.422 ug/l

RT: 9.94 min Scan# 1364

Delta R.T. 0.01 min

Lab File: VD067241.D

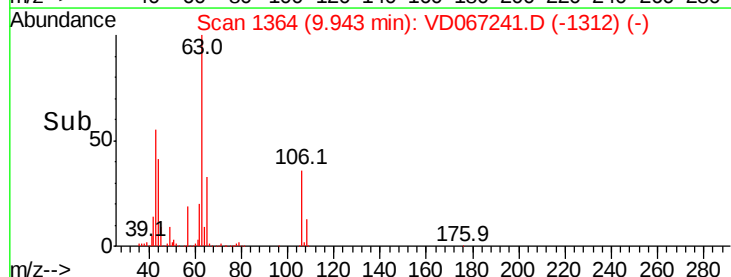
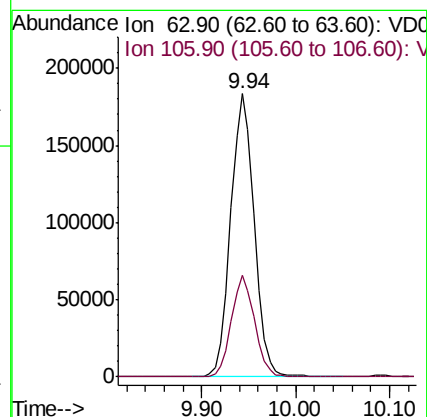
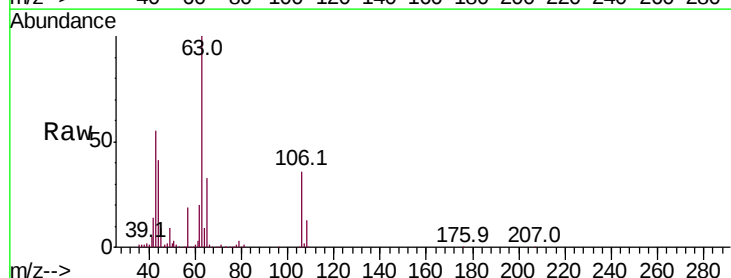
Acq: 12 Oct 2020 19:05

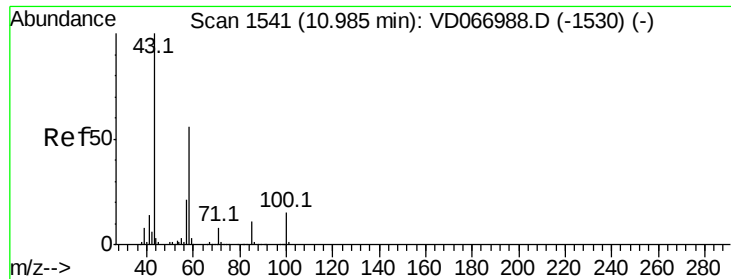
Tgt Ion: 63 Resp: 319002

Ion Ratio Lower Upper

63 100

106 35.4 25.3 37.9

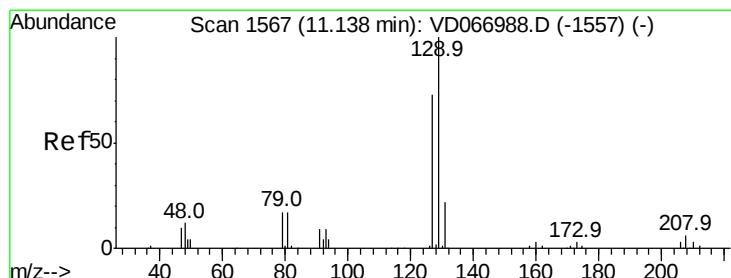
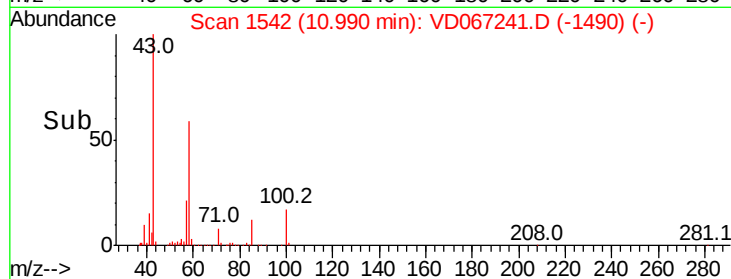
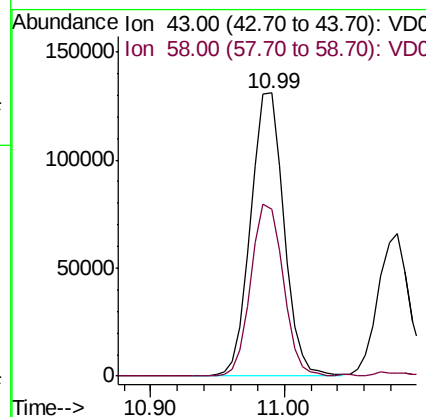
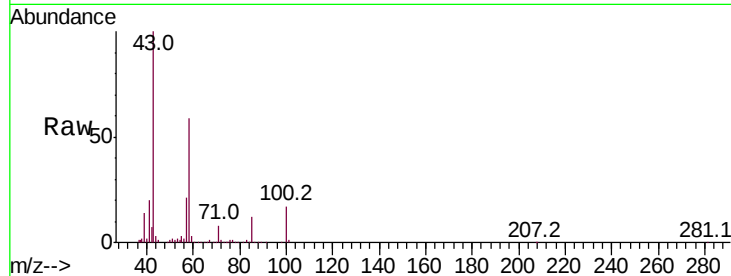




#59
2-Hexanone
Concen: 261.162 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

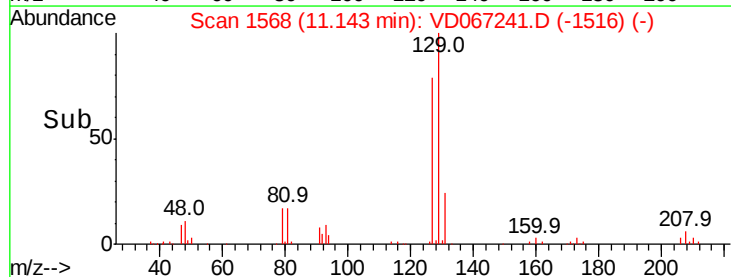
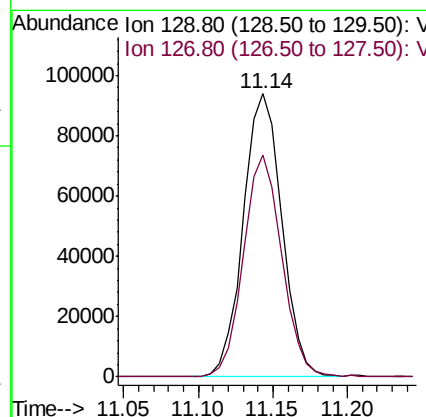
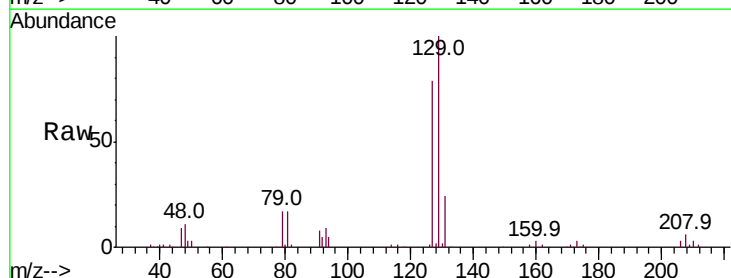
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

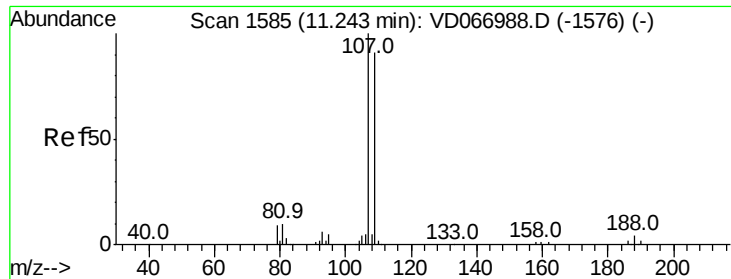
Tot Ion: 43 Resp: 225630
Ion Ratio Lower Upper
43 100
58 59.2 28.3 84.9



#60
Dibromochloromethane
Concen: 59.495 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 129 Resp: 168389
Ion Ratio Lower Upper
129 100
127 77.8 37.4 112.1





#61

1,2-Dibromoethane

Concen: 56.515 ug/l

RT: 11.25 min Scan# 1586

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

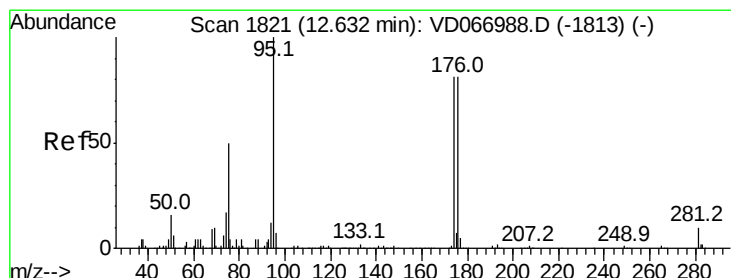
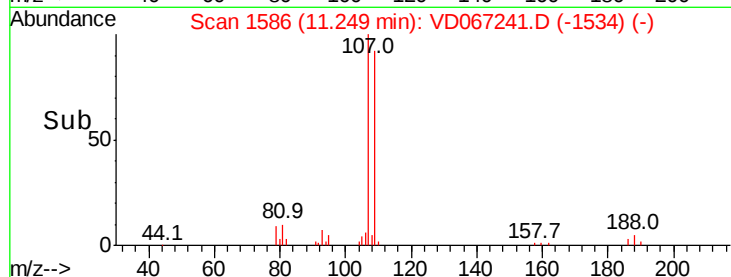
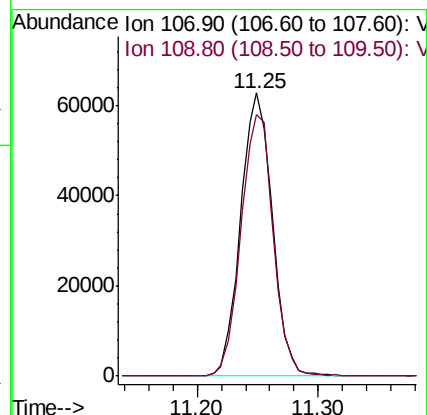
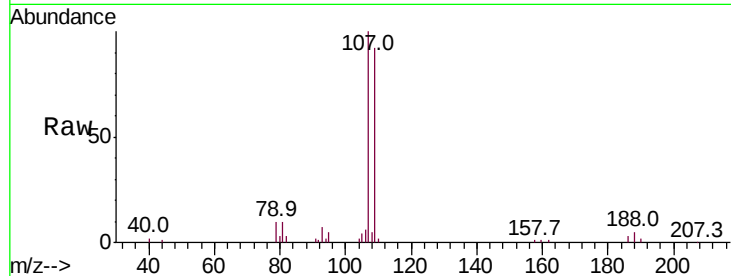
VSTDCCC050EC

Tot Ion:107 Resp: 115296

Ion Ratio Lower Upper

107 100

109 93.8 74.0 111.0



#62

4-Bromofluorobenzene

Concen: 54.521 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

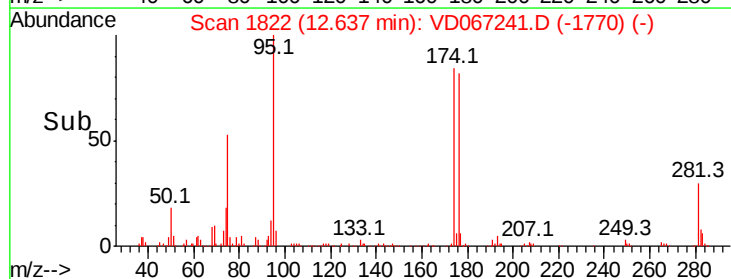
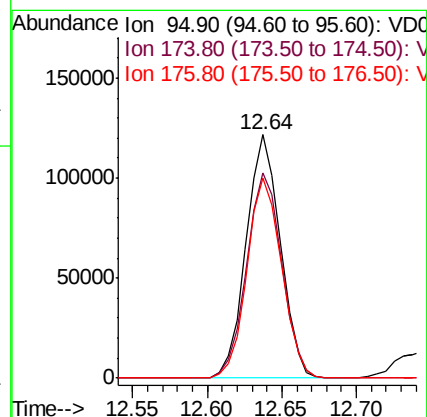
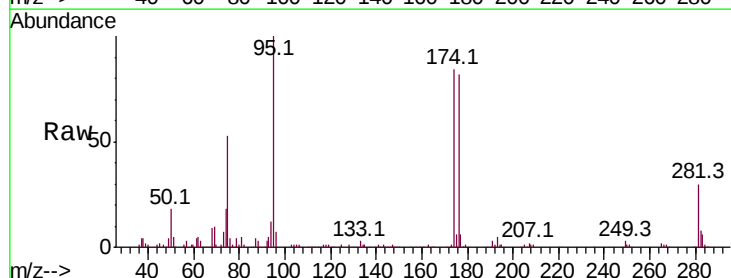
Tgt Ion: 95 Resp: 192887

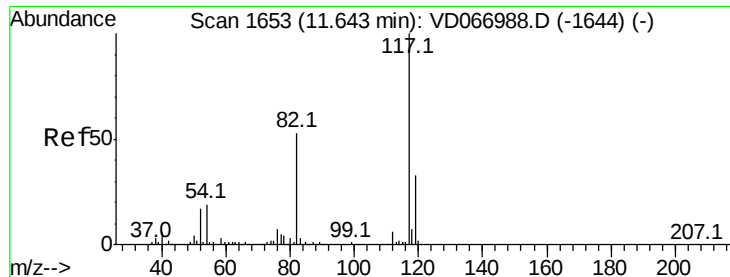
Ion Ratio Lower Upper

95 100

174 86.9 0.0 167.6

176 83.1 0.0 162.4

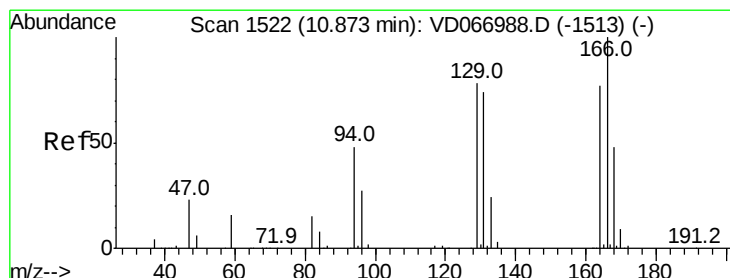
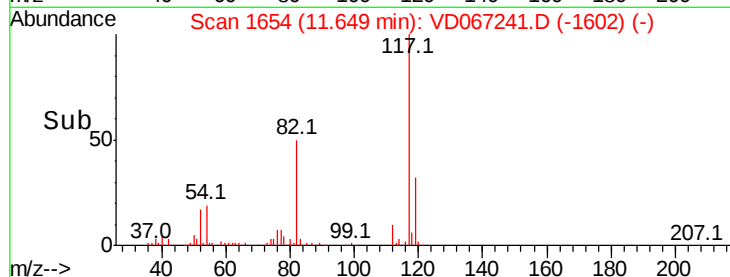
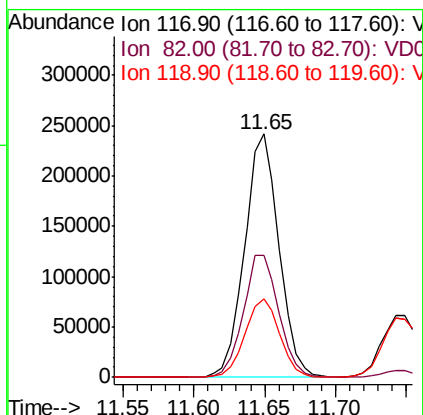
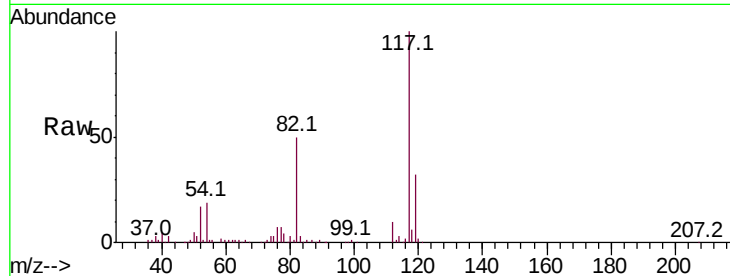




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

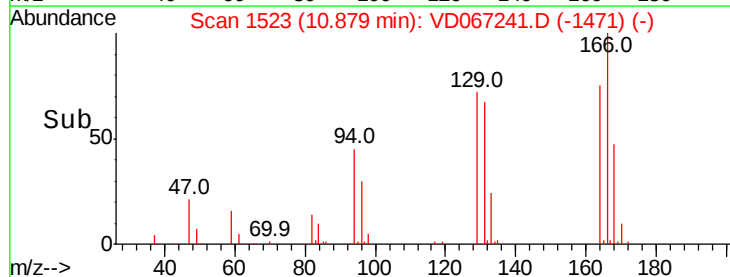
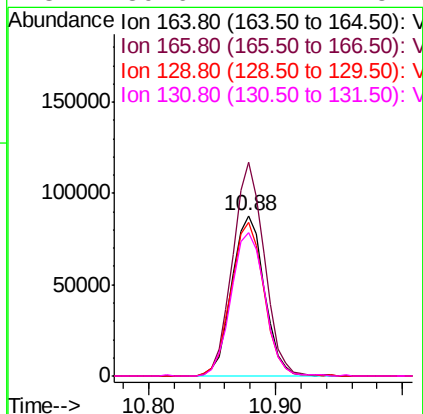
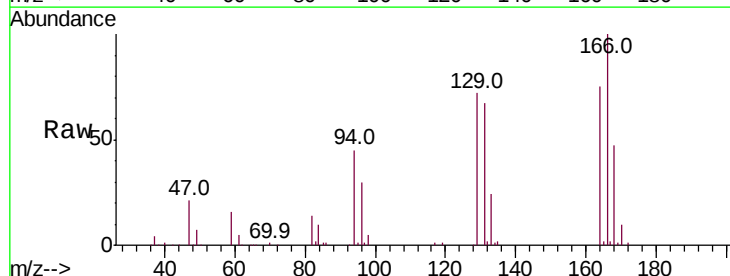
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

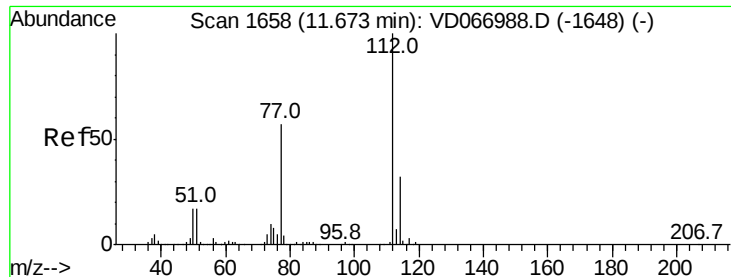
Tot Ion:117 Resp: 411838
Ion Ratio Lower Upper
117 100
82 50.2 42.6 63.8
119 32.5 26.3 39.5



#64
Tetrachloroethene
Concen: 52.176 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion:164 Resp: 156218
Ion Ratio Lower Upper
164 100
166 132.9 104.4 156.6
129 95.9 81.3 121.9
131 89.6 77.1 115.7

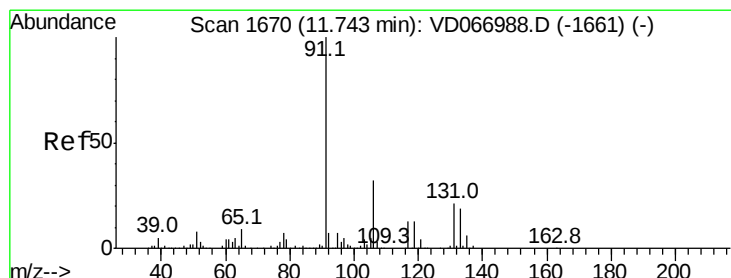
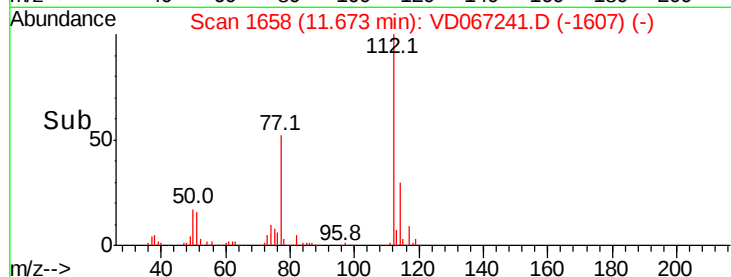
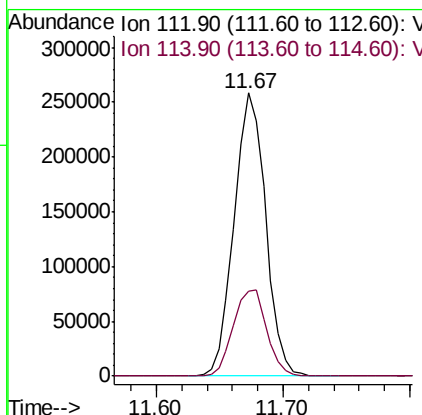
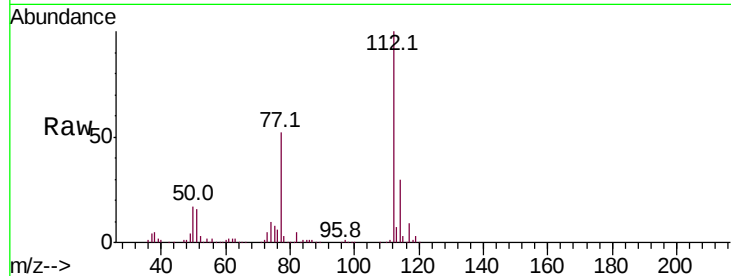




#65
Chlorobenzene
Concen: 54.458 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

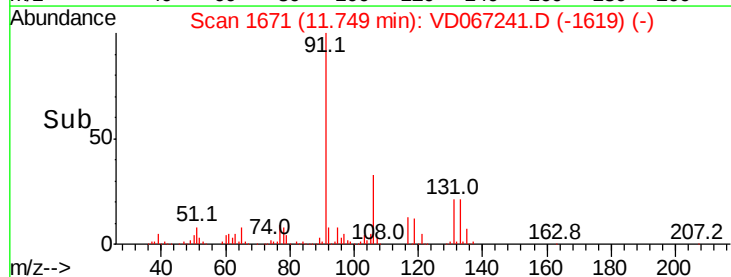
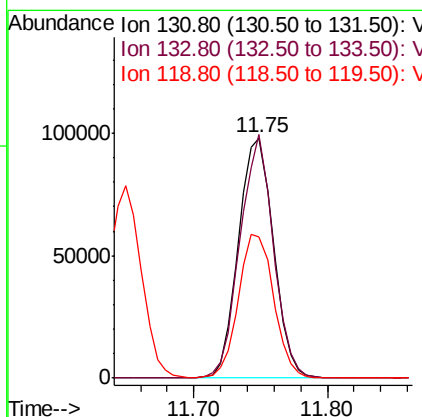
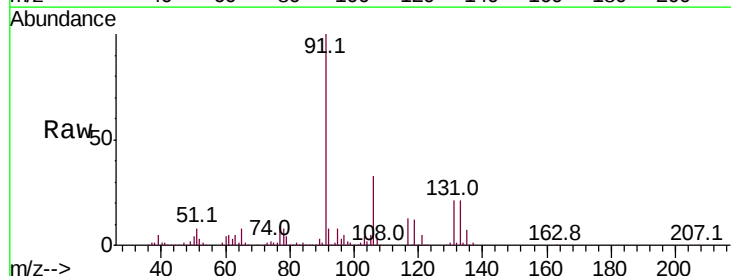
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

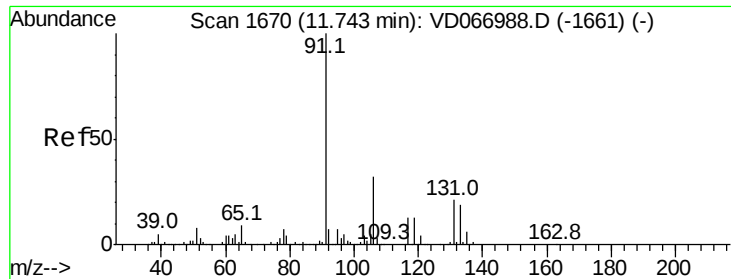
Tot Ion:112 Resp: 446060
Ion Ratio Lower Upper
112 100
114 29.8 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 57.157 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion:131 Resp: 178086
Ion Ratio Lower Upper
131 100
133 96.5 47.8 143.3
119 60.7 32.3 96.8





#67

Ethyl Benzene

Concen: 54.520 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

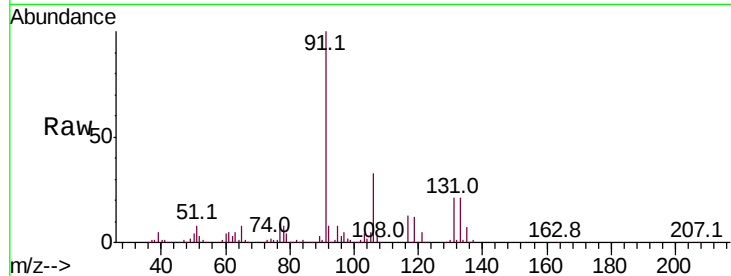
VSTDCCC050EC

Tot Ion: 91 Resp: 765159

Ion Ratio Lower Upper

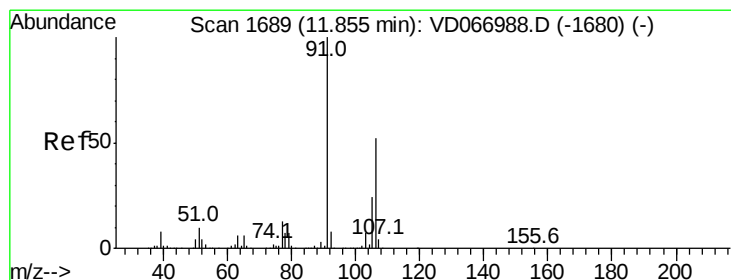
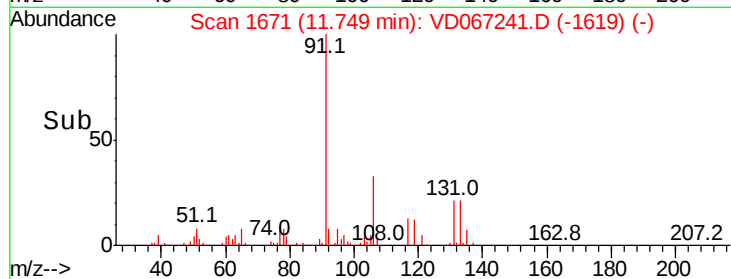
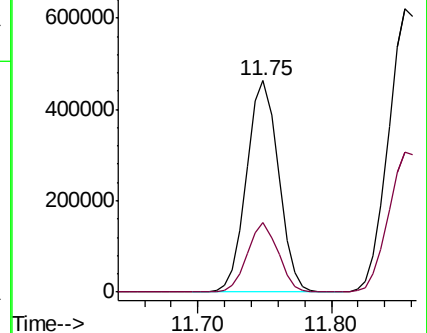
91 100

106 32.9 25.4 38.2



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 106.00 (105.70 to 106.70): VDC



#68

m/p-Xylenes

Concen: 109.061 ug/l

RT: 11.86 min Scan# 1689

Delta R.T. -0.00 min

Lab File: VD067241.D

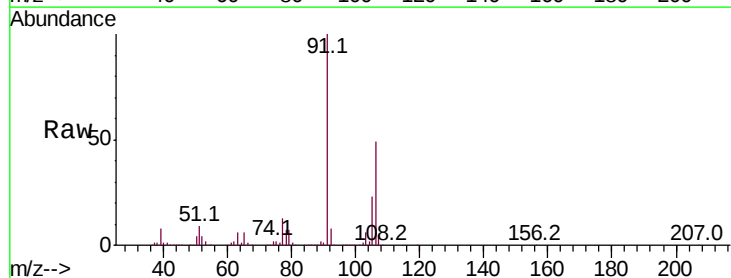
Acq: 12 Oct 2020 19:05

Tgt Ion:106 Resp: 596495

Ion Ratio Lower Upper

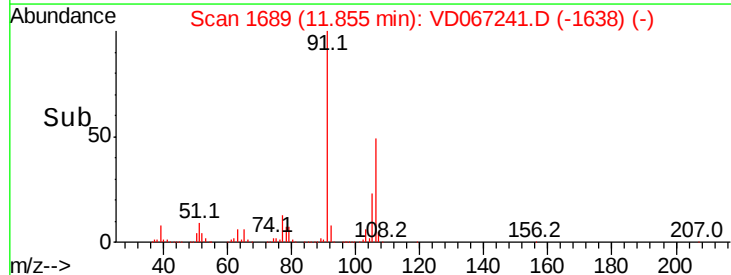
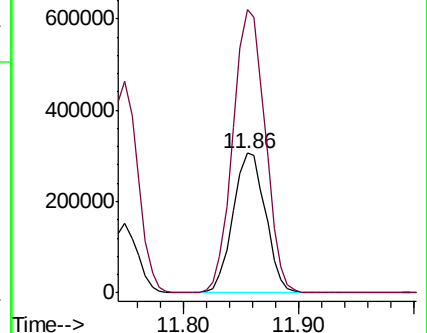
106 100

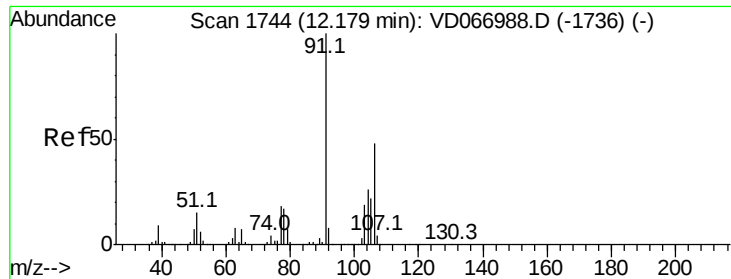
91 201.5 158.4 237.6



Abundance Ion 106.00 (105.70 to 106.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

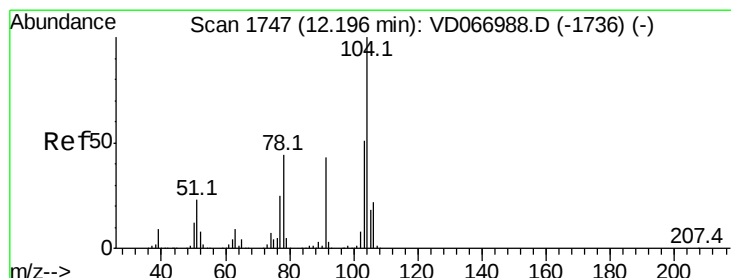
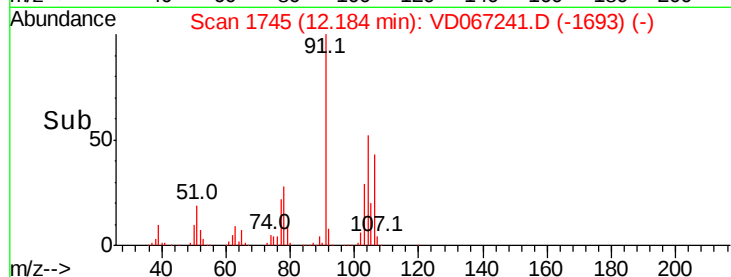
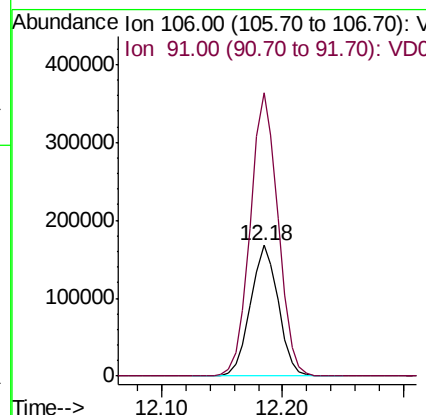
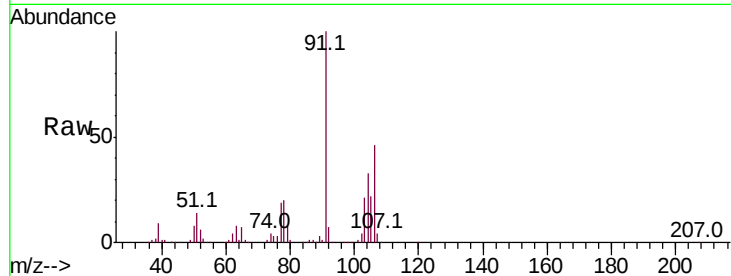




#69
o-Xylene
Concen: 55.177 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

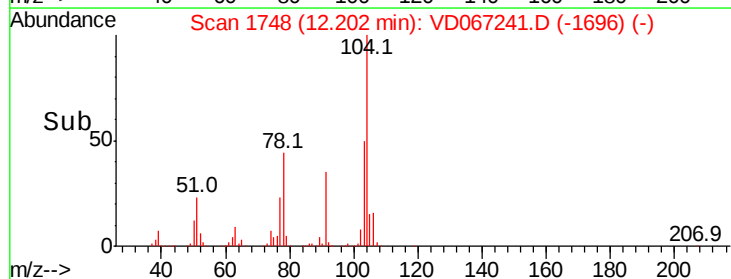
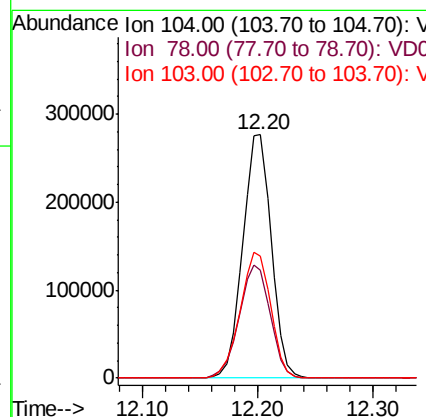
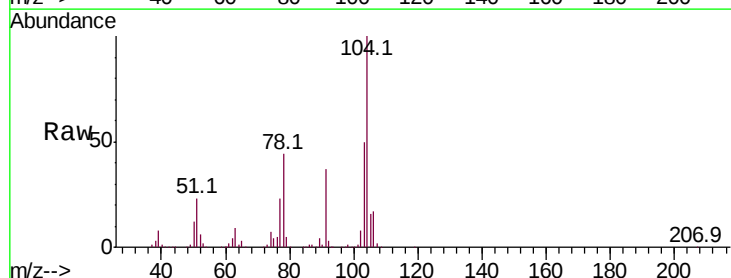
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

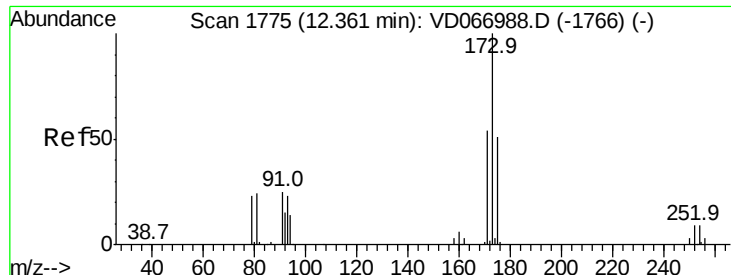
Tot Ion:106 Resp: 269873
Ion Ratio Lower Upper
106 100
91 216.6 102.4 307.2



#70
Styrene
Concen: 56.507 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion:104 Resp: 474580
Ion Ratio Lower Upper
104 100
78 50.6 38.6 58.0
103 55.5 43.4 65.0





#71

Bromoform

Concen: 59.218 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

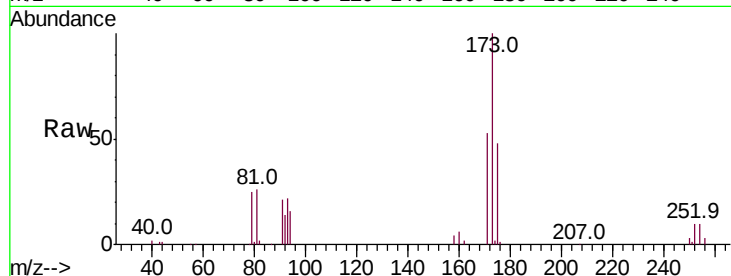
Tot Ion:173 Resp: 95774

Ion Ratio Lower Upper

173 100

175 46.8 24.9 74.7

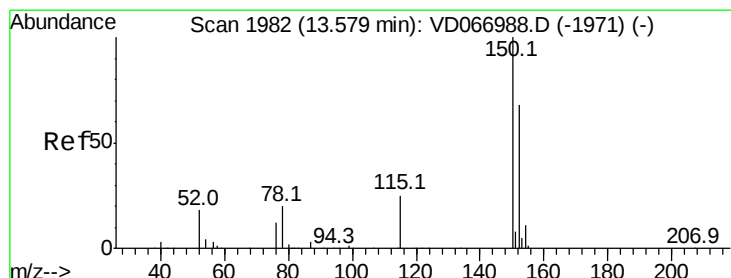
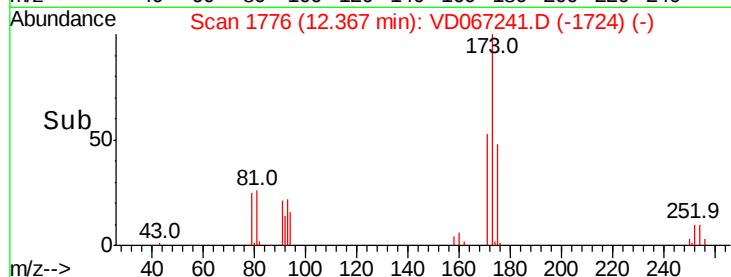
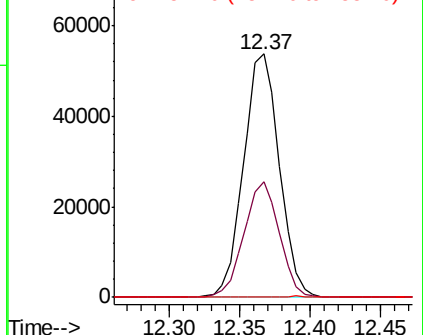
254 0.0 0.2 0.4#



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# 1983

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

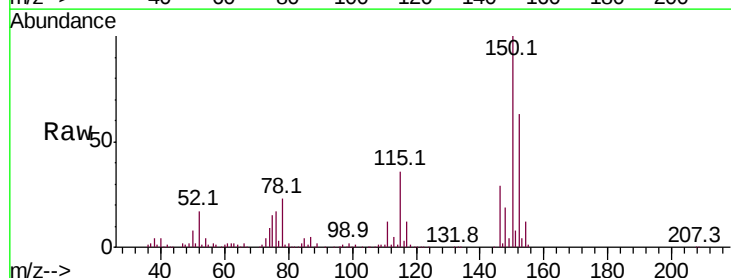
Tgt Ion:152 Resp: 206920

Ion Ratio Lower Upper

152 100

115 60.2 29.6 88.8

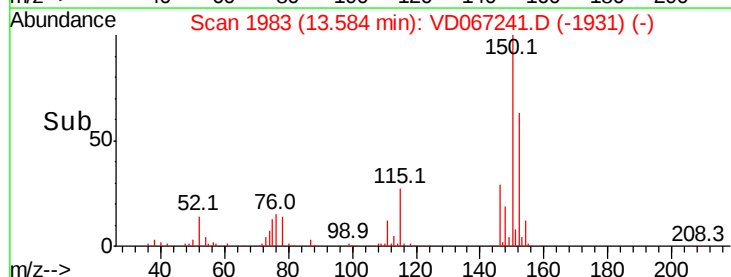
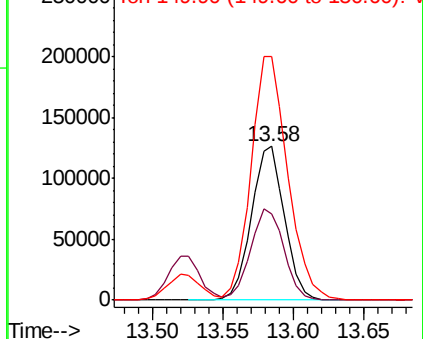
150 176.4 0.0 344.8

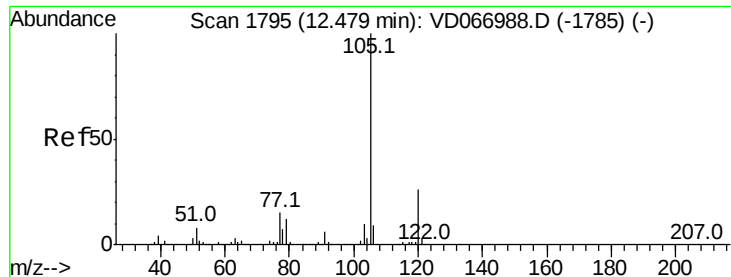


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 54.157 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

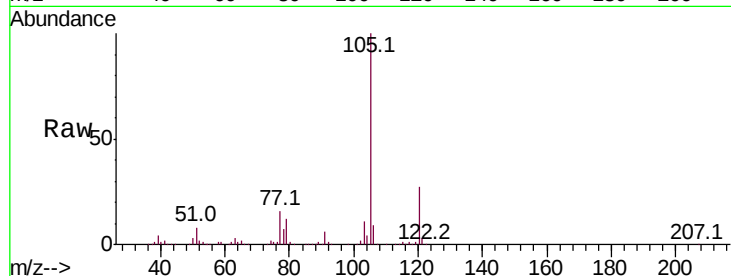
VSTDCCC050EC

Tot Ion:105 Resp: 760910

Ion Ratio Lower Upper

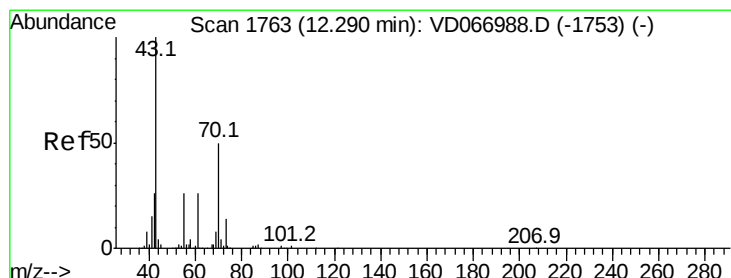
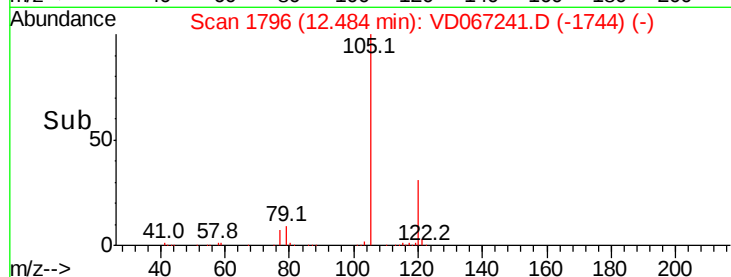
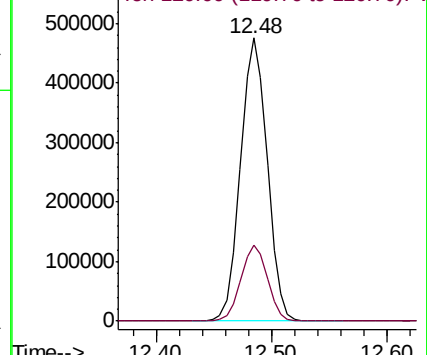
105 100

120 26.7 13.3 39.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 46.868 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Tgt Ion: 43 Resp: 118378

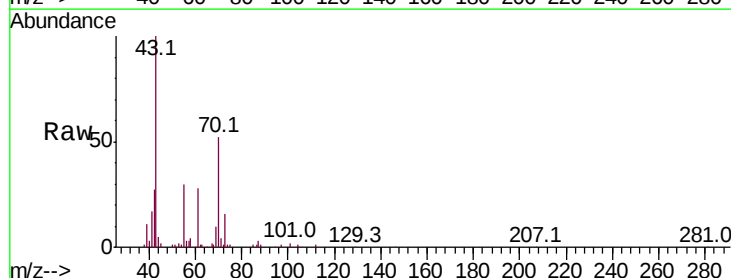
Ion Ratio Lower Upper

43 100

70 53.2 38.2 57.2

55 29.0 22.4 33.6

61 28.5 20.6 31.0

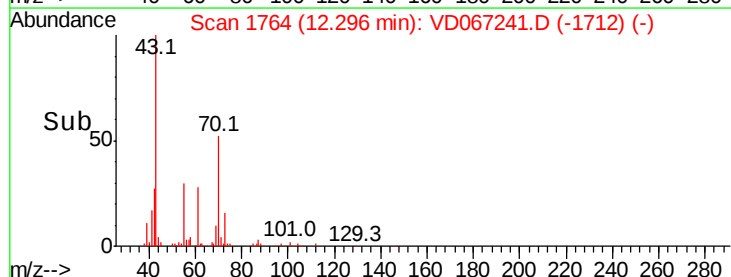
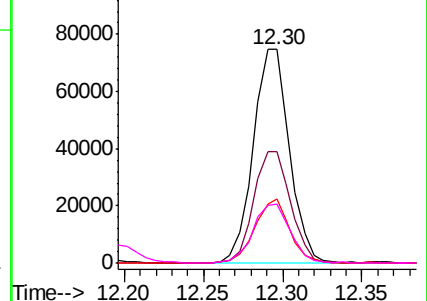


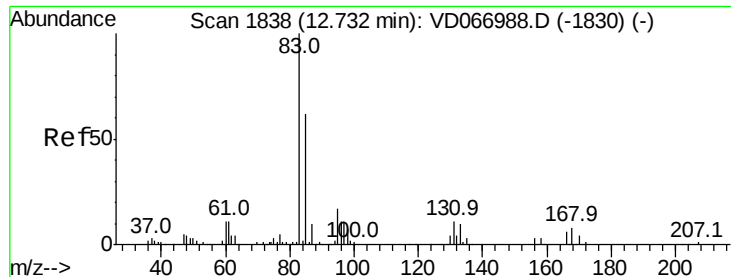
Abundance Ion 43.00 (42.70 to 43.70): V

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: 50.389 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

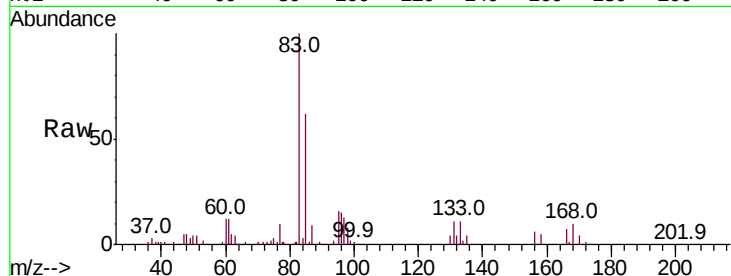
Tot Ion: 83 Resp: 119283

Ion Ratio Lower Upper

83 100

131 13.0 5.7 17.0

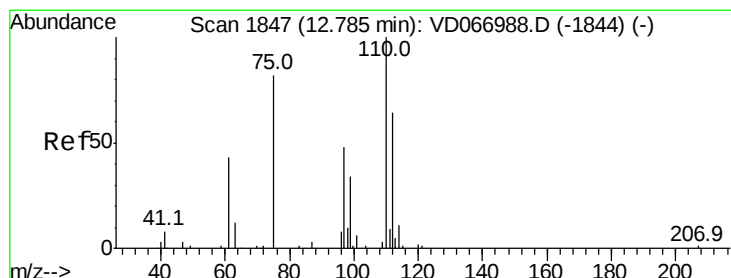
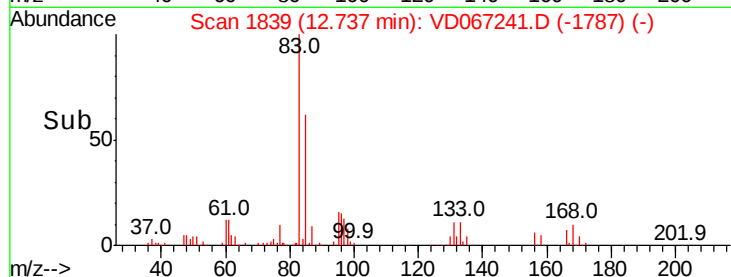
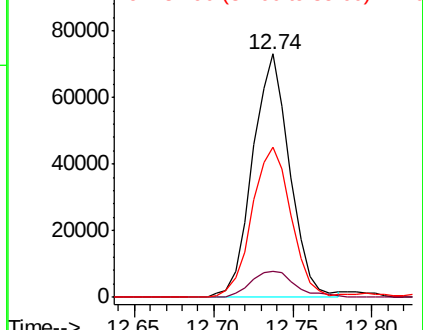
85 64.8 32.0 96.2



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: 83.940 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.00 min

Lab File: VD067241.D

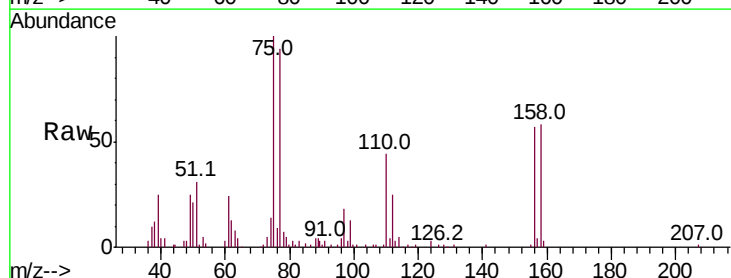
Acq: 12 Oct 2020 19:05

Tgt Ion: 75 Resp: 151288

Ion Ratio Lower Upper

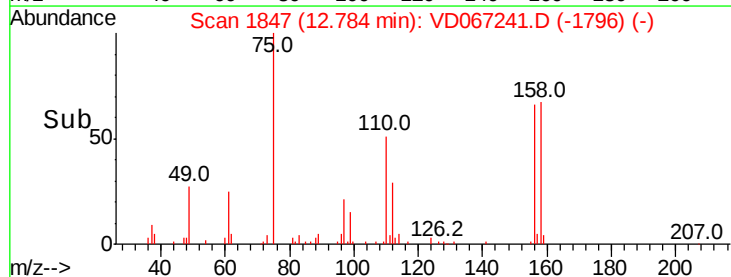
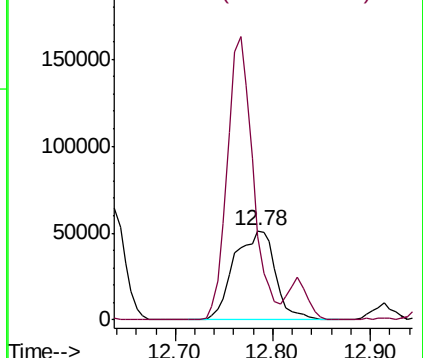
75 100

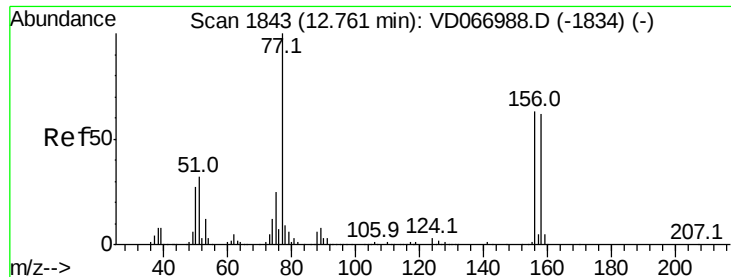
77 199.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 55.876 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

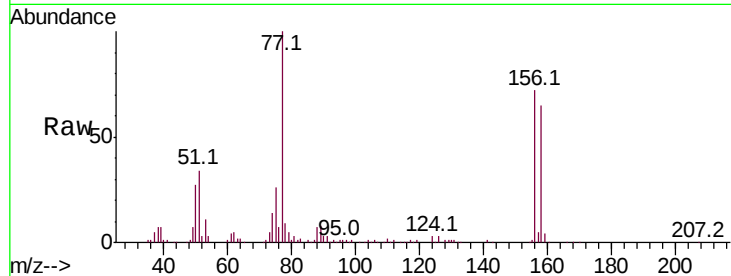
Tot Ion:156 Resp: 189564

Ion Ratio Lower Upper

156 100

77 159.0 86.3 258.8

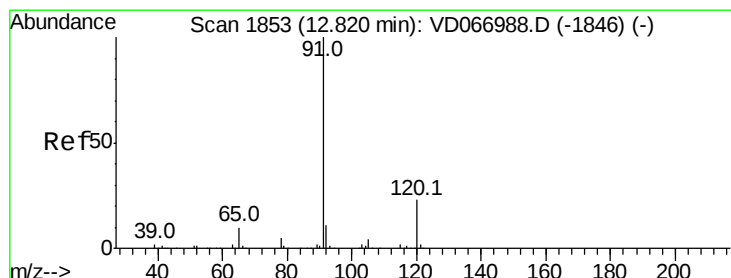
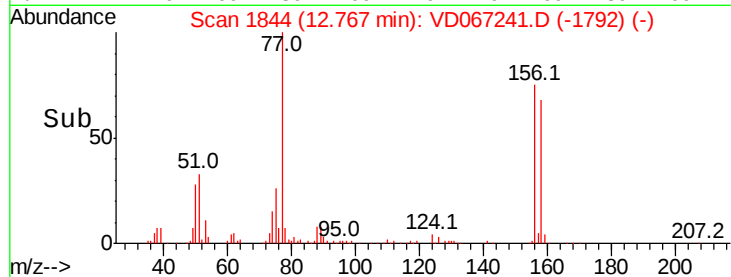
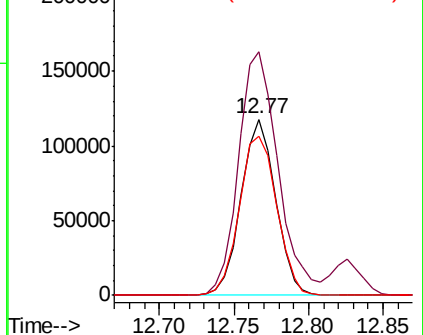
158 97.6 49.5 148.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VDC

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 52.194 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.01 min

Lab File: VD067241.D

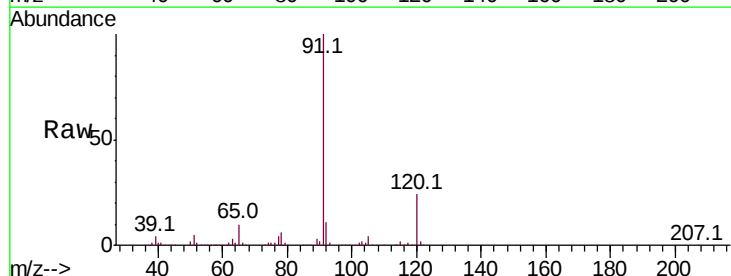
Acq: 12 Oct 2020 19:05

Tgt Ion: 91 Resp: 866676

Ion Ratio Lower Upper

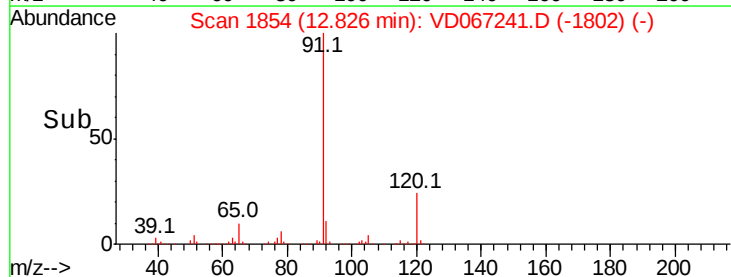
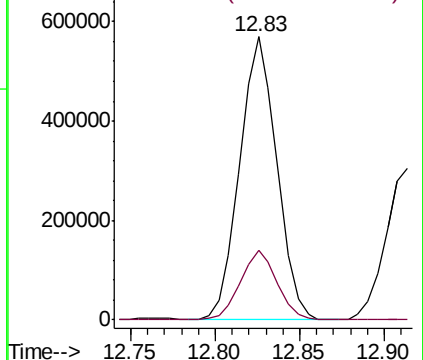
91 100

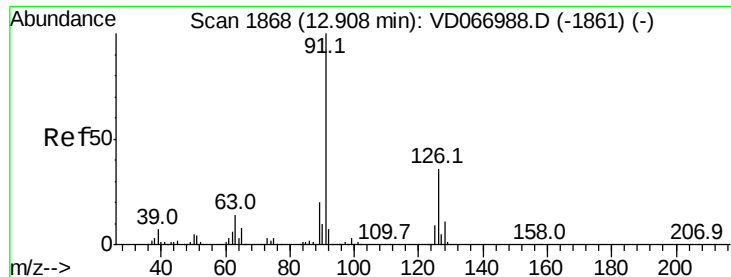
120 24.2 11.6 34.8



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 52.706 ug/l

RT: 12.91 min Scan# 1869

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

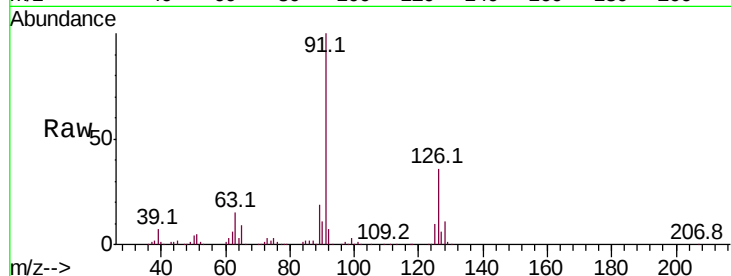
VSTDCCC050EC

Tot Ion: 91 Resp: 500727

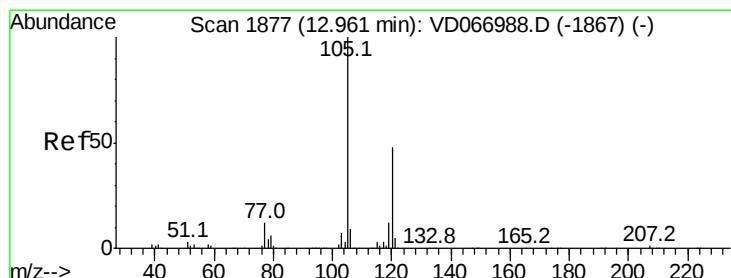
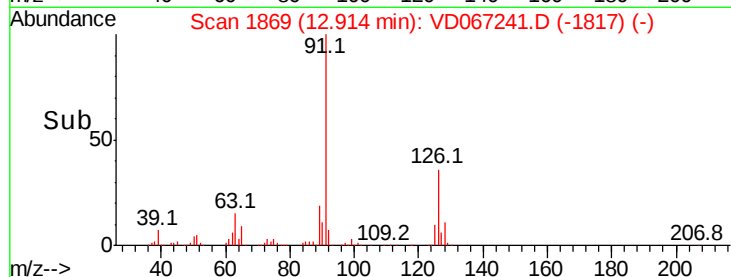
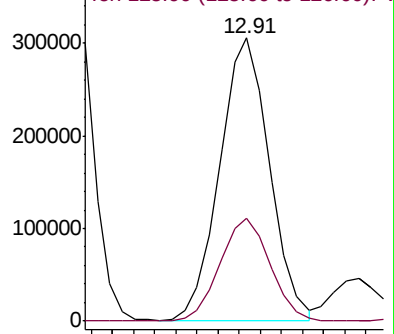
Ion Ratio Lower Upper

91 100

126 36.7 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): V



#80

1,3,5-Trimethylbenzene

Concen: 55.506 ug/l

RT: 12.97 min Scan# 1878

Delta R.T. 0.01 min

Lab File: VD067241.D

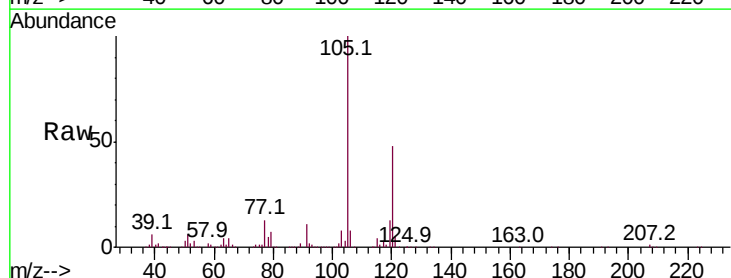
Acq: 12 Oct 2020 19:05

Tgt Ion:105 Resp: 658902

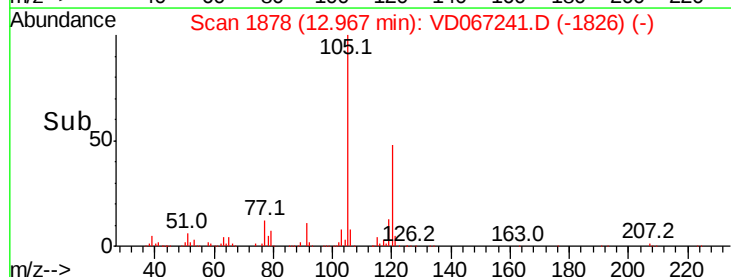
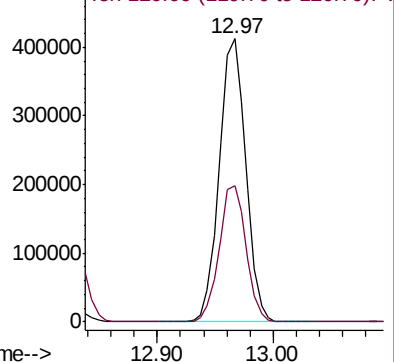
Ion Ratio Lower Upper

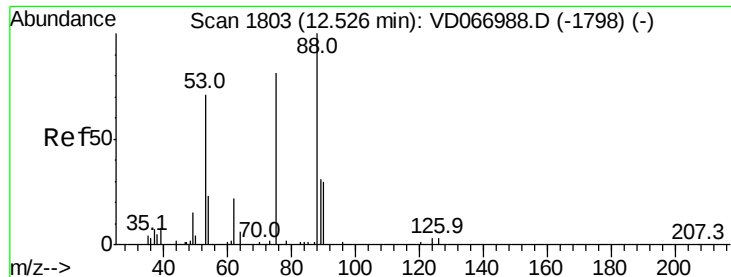
105 100

120 48.8 24.6 74.0



Abundance Ion 105.00 (104.70 to 105.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 49.556 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.01 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

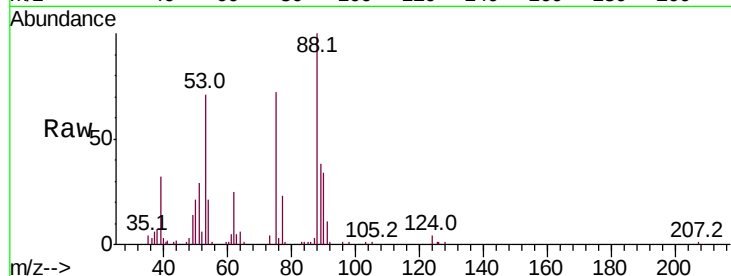
Tot Ion: 75 Resp: 35825

Ion Ratio Lower Upper

75 100

53 94.7 73.8 110.6

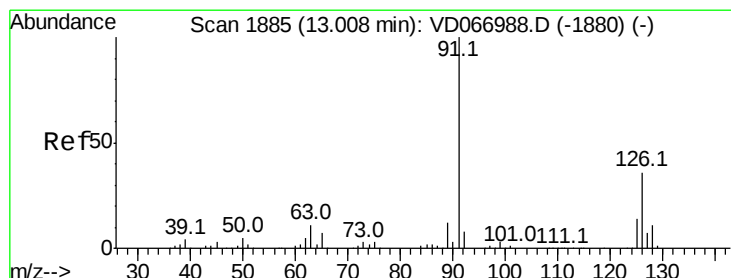
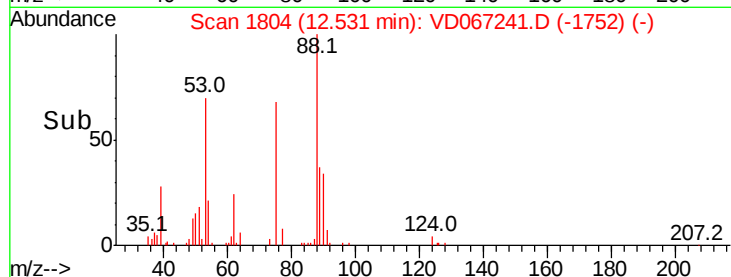
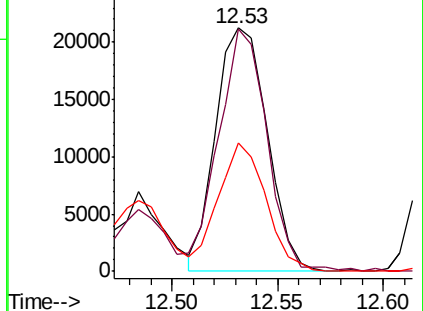
89 49.0 38.9 58.3



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC



#82

4-Chlorotoluene

Concen: 52.844 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.00 min

Lab File: VD067241.D

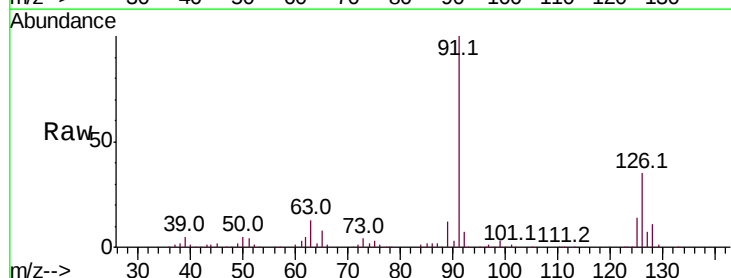
Acq: 12 Oct 2020 19:05

Tgt Ion: 91 Resp: 534140

Ion Ratio Lower Upper

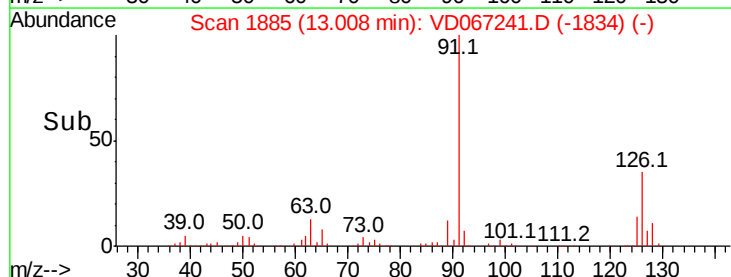
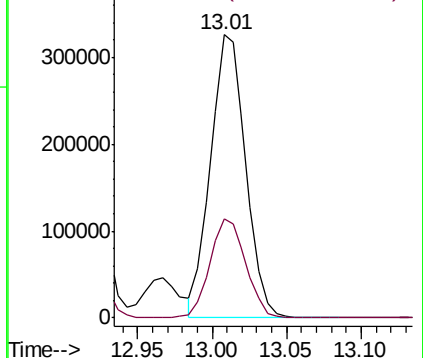
91 100

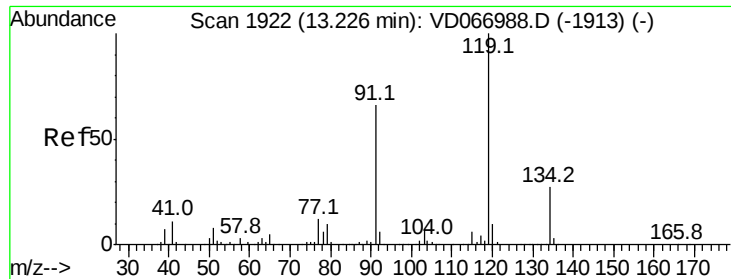
126 35.5 17.5 52.5



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 125.90 (125.60 to 126.60): V

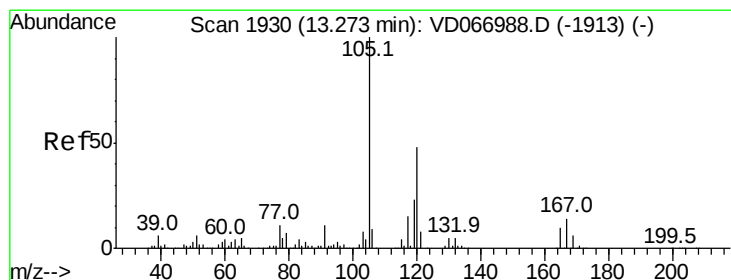
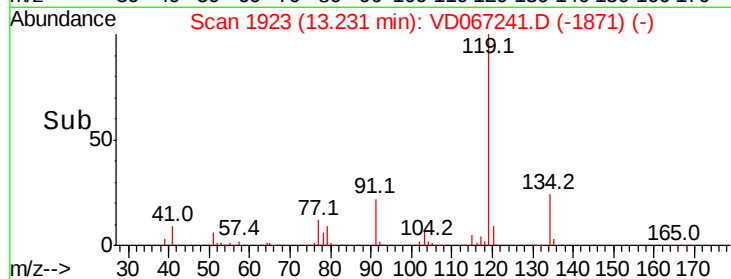
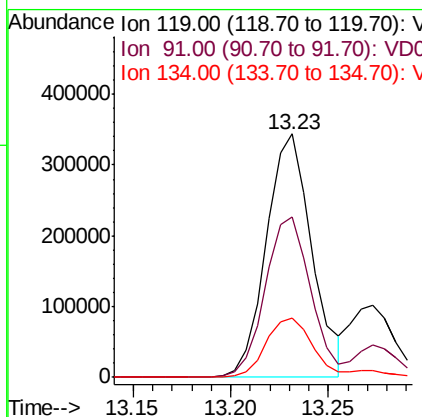
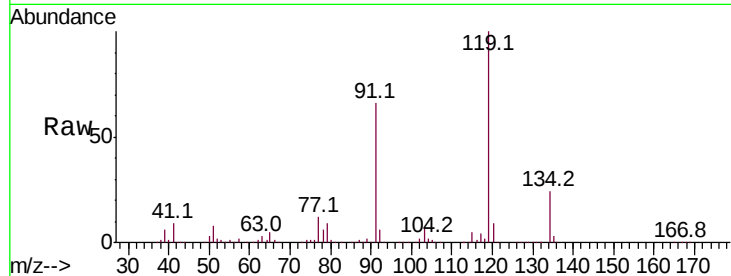




#83
 tert-Butylbenzene
 Concen: 55.845 ug/l
 RT: 13.23 min Scan# 1923
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

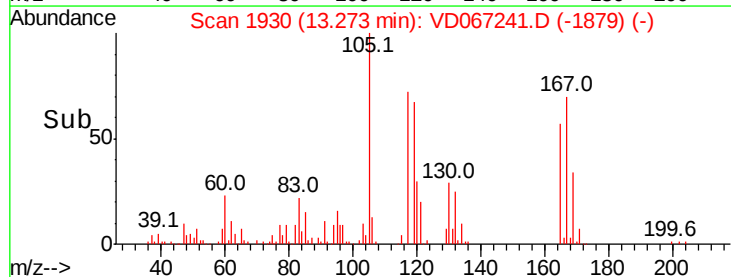
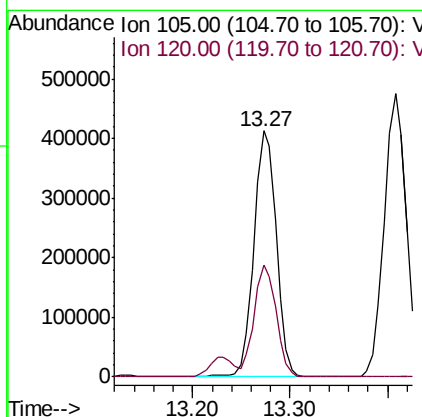
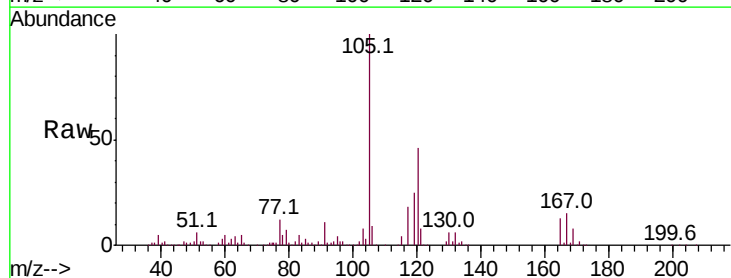
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

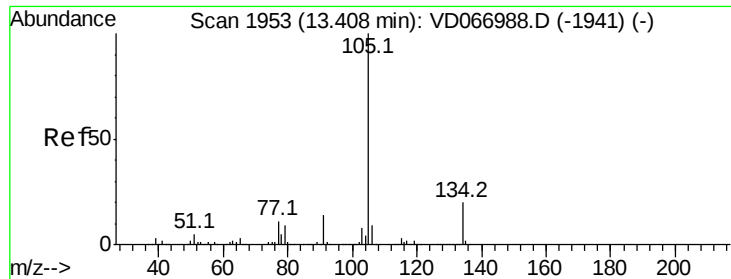
Tot Ion:119 Resp: 558248
 Ion Ratio Lower Upper
 119 100
 91 65.4 32.8 98.3
 134 24.9 13.9 41.7



#84
 1,2,4-Trimethylbenzene
 Concen: 55.929 ug/l
 RT: 13.27 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion:105 Resp: 662562
 Ion Ratio Lower Upper
 105 100
 120 44.4 23.3 69.8





#85

sec-Butylbenzene

Concen: 53.159 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

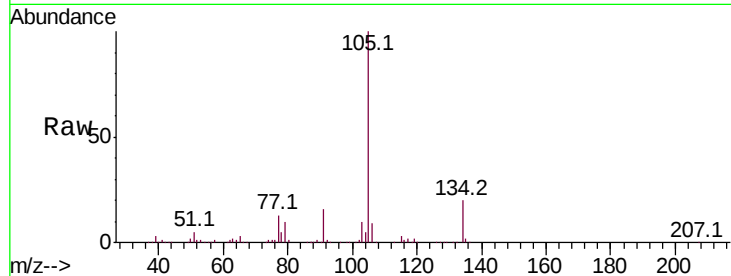
VSTDCCC050EC

Tot Ion:105 Resp: 748341

Ion Ratio Lower Upper

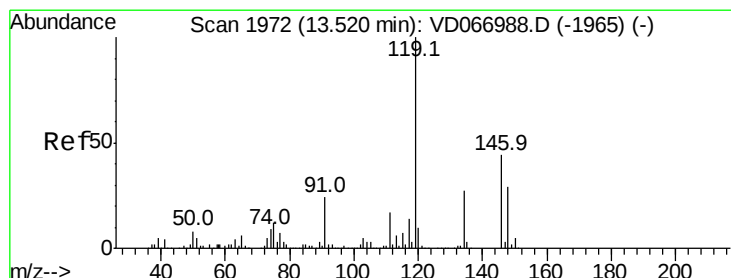
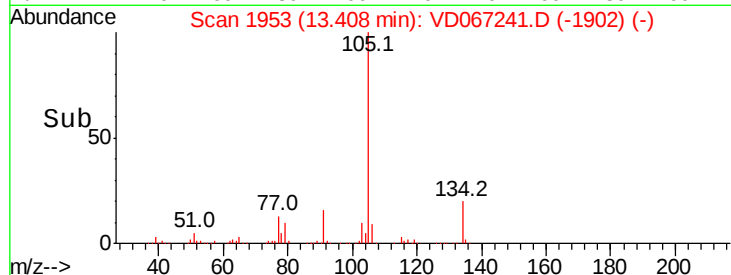
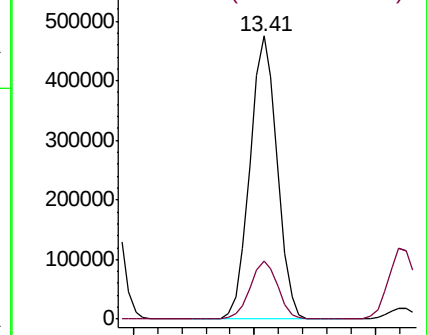
105 100

134 20.7 10.3 30.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 53.537 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

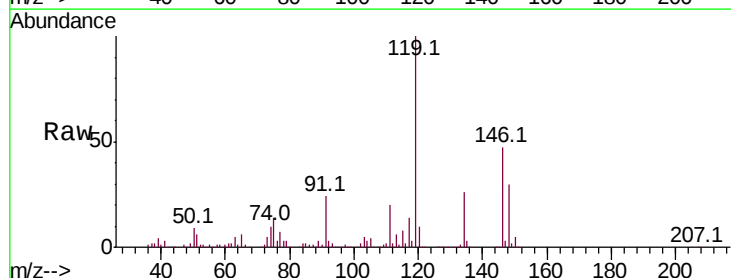
Tgt Ion:119 Resp: 698725

Ion Ratio Lower Upper

119 100

134 26.7 13.1 39.1

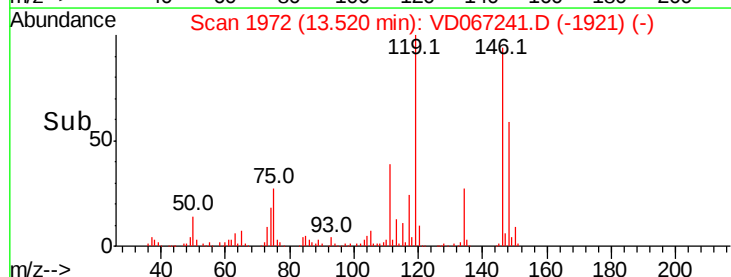
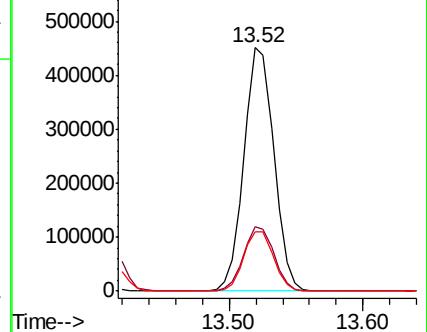
91 24.7 11.7 35.1

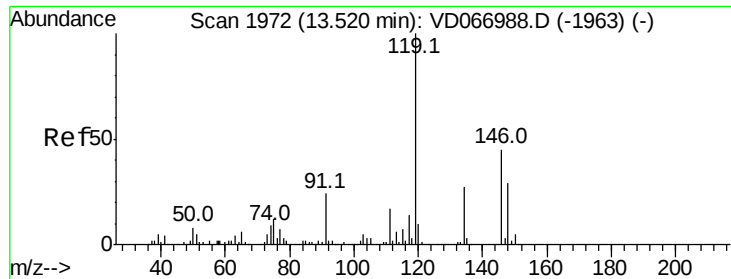


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

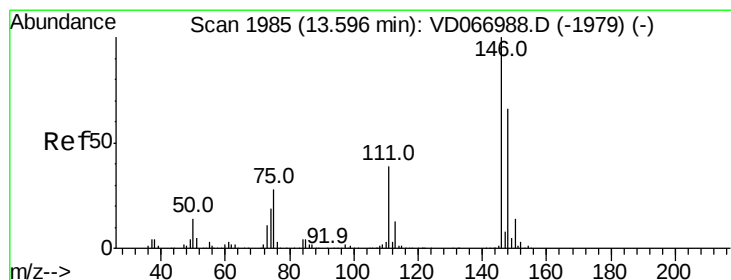
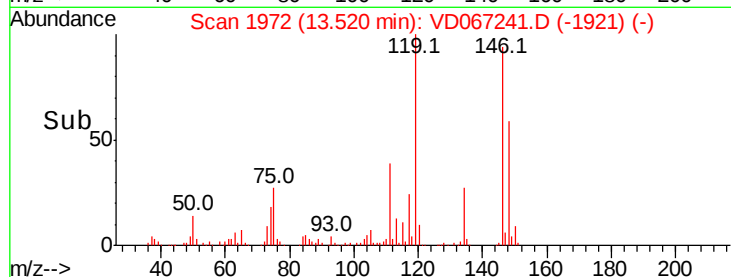
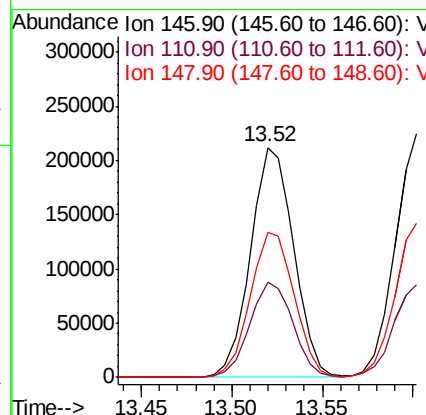
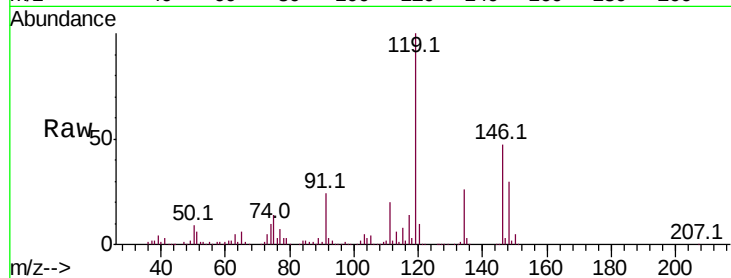




#87
 1,3-Dichlorobenzene
 Concen: 53.045 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

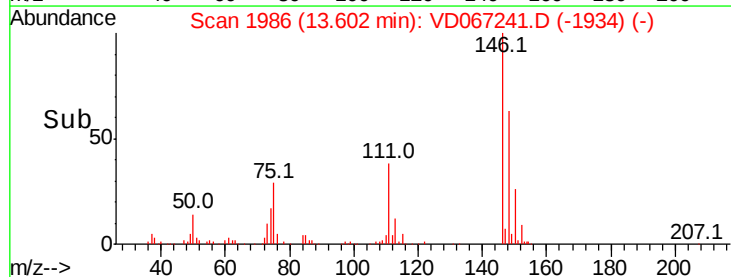
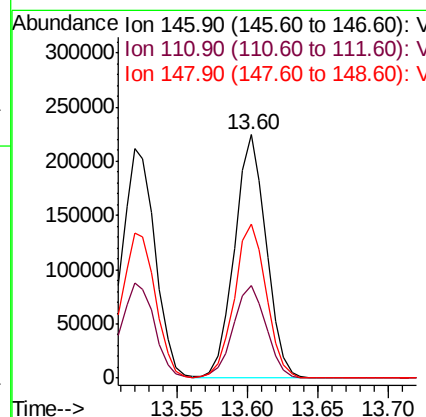
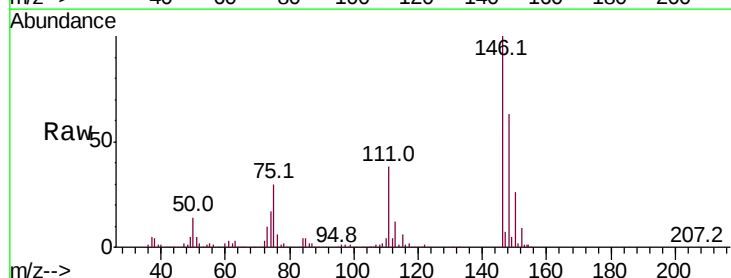
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

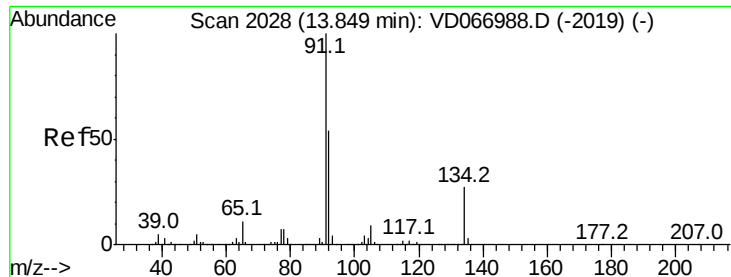
Tot Ion:146 Resp: 350529
 Ion Ratio Lower Upper
 146 100
 111 41.6 20.0 60.0
 148 64.4 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 53.161 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion:146 Resp: 351261
 Ion Ratio Lower Upper
 146 100
 111 39.7 19.6 58.7
 148 64.0 32.6 97.7

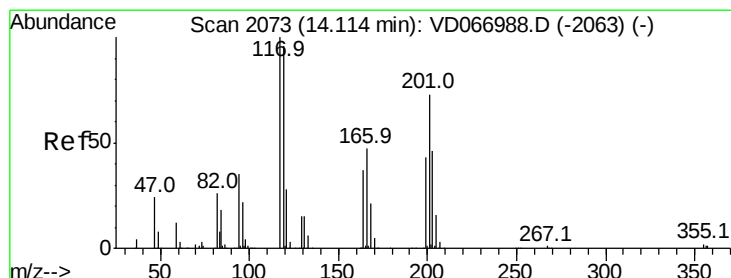
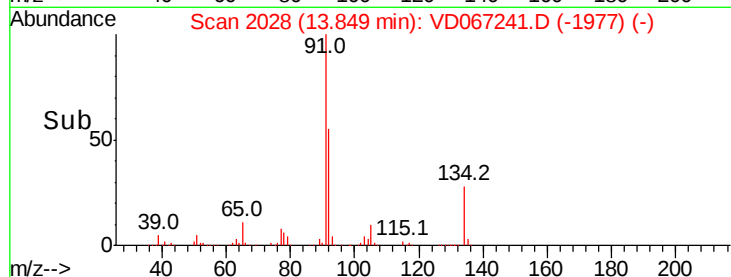
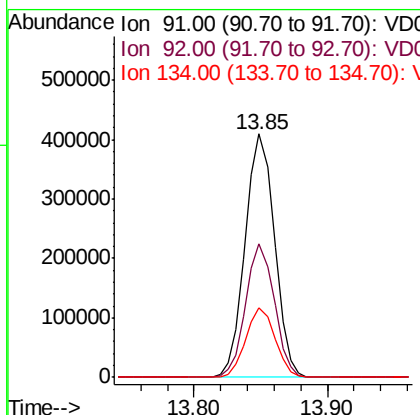
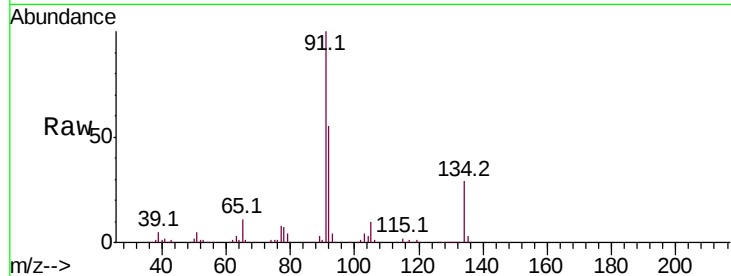




#89
n-Butylbenzene
Concen: 52.287 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. -0.00 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

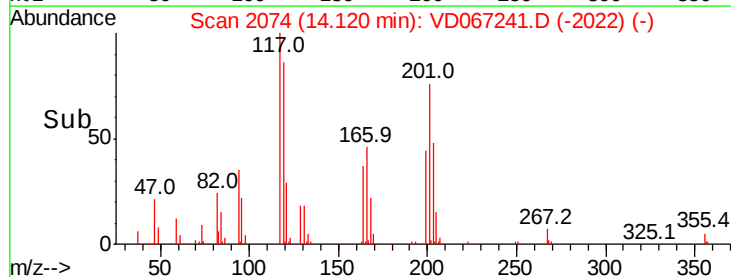
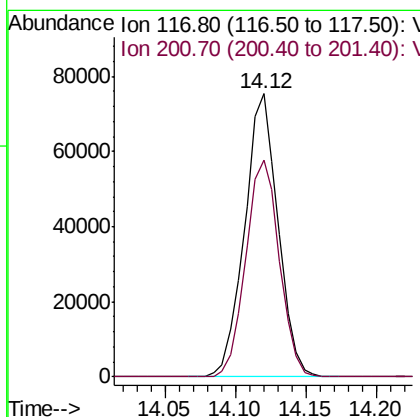
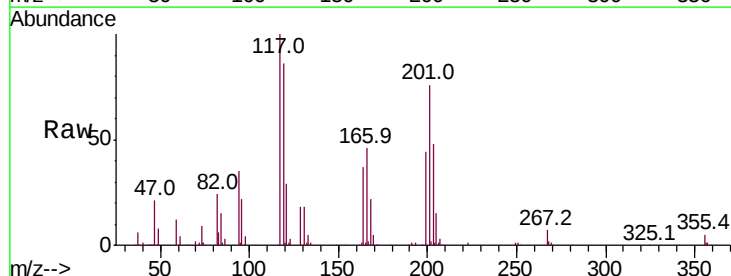
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

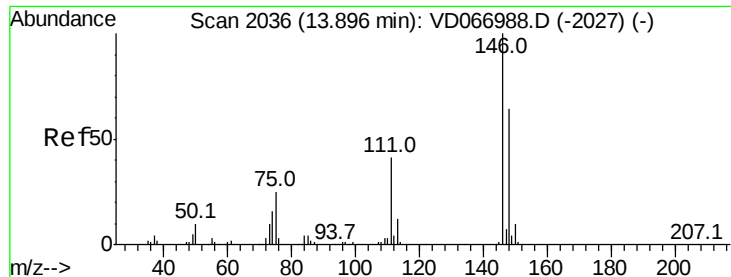
Tot Ion: 91 Resp: 623668
Ion Ratio Lower Upper
91 100
92 53.2 27.1 81.2
134 28.4 13.6 40.8



#90
Hexachloroethane
Concen: 54.708 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.01 min
Lab File: VD067241.D
Acq: 12 Oct 2020 19:05

Tgt Ion: 117 Resp: 125070
Ion Ratio Lower Upper
117 100
201 76.7 37.0 110.9





#91

1,2-Dichlorobenzene

Concen: 54.669 ug/l

RT: 13.90 min Scan# 2036

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

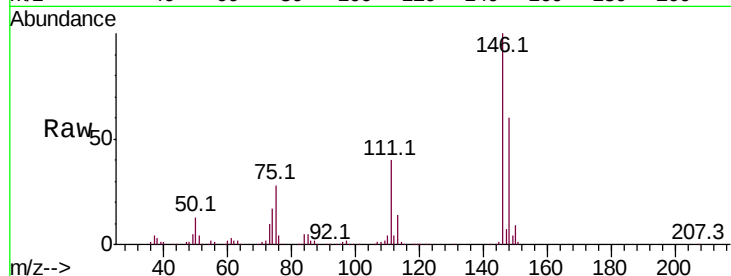
Tot Ion:146 Resp: 315505

Ion Ratio Lower Upper

146 100

111 41.2 20.9 62.7

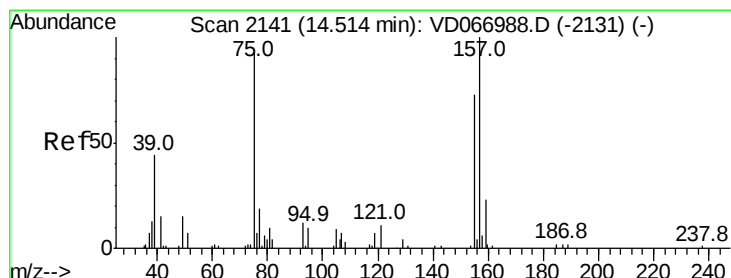
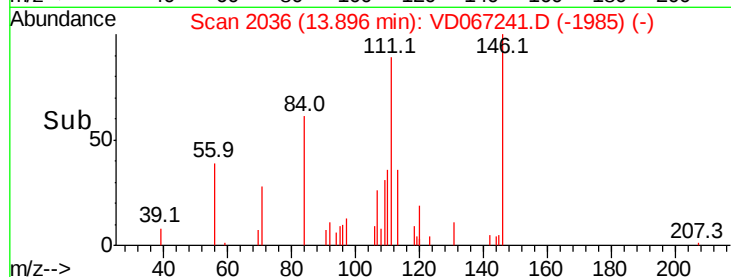
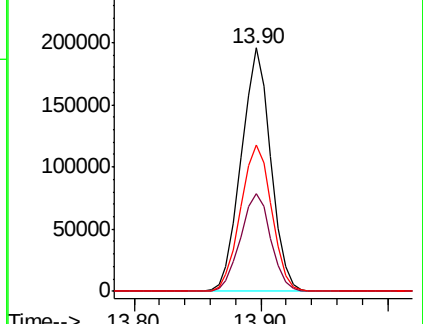
148 63.3 32.3 96.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 53.840 ug/l

RT: 14.51 min Scan# 2141

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

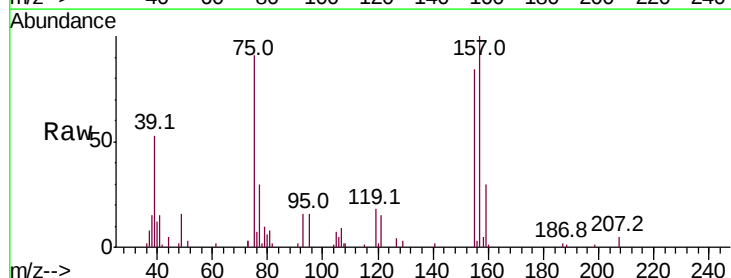
Tgt Ion: 75 Resp: 20545

Ion Ratio Lower Upper

75 100

155 93.5 45.2 135.6

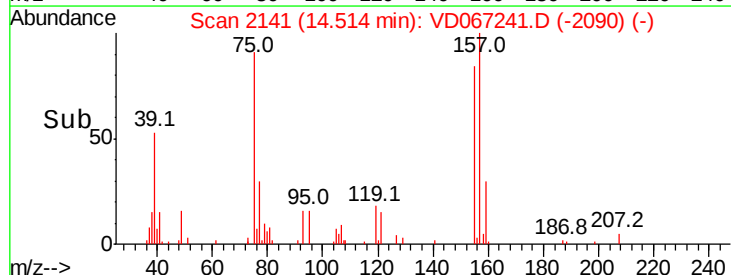
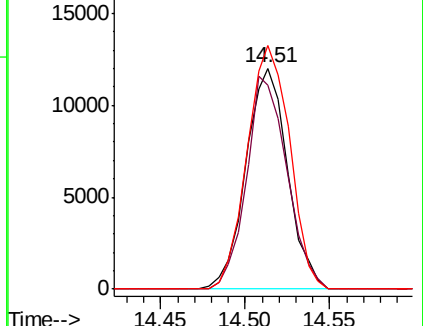
157 112.4 56.3 168.8

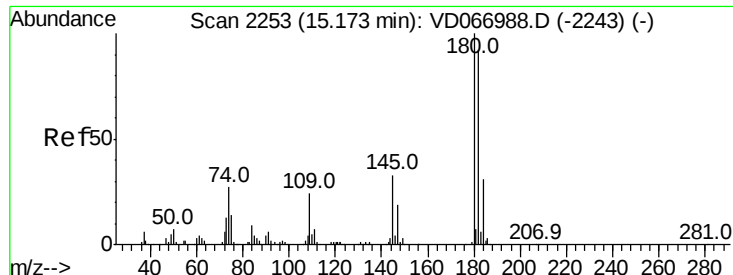


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

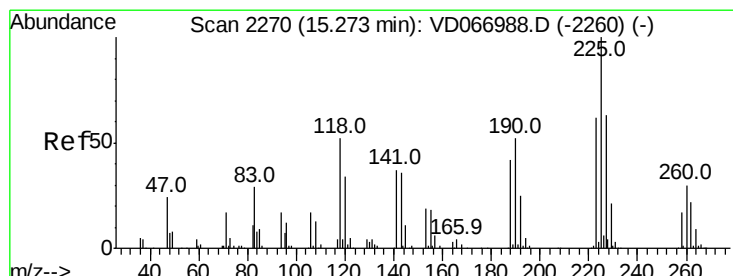
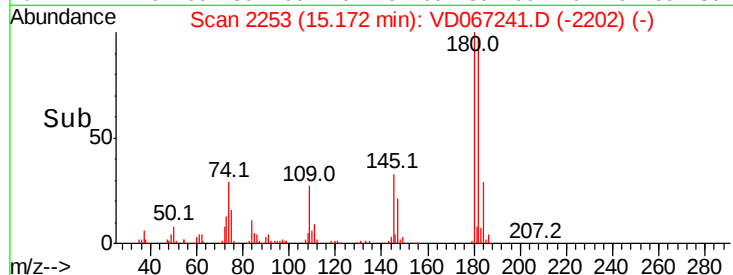
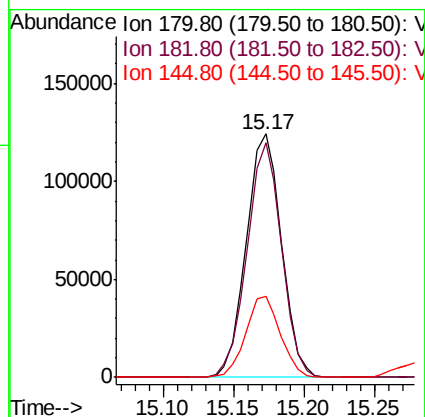
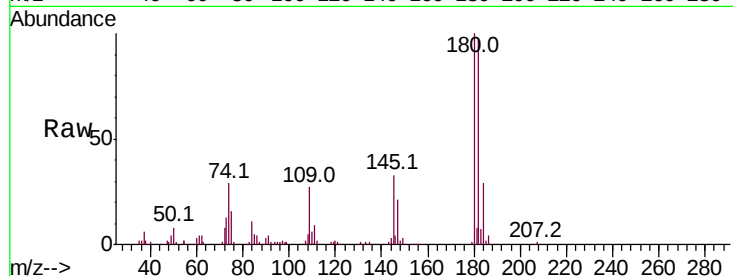




#93
 1,2,4-Trichlorobenzene
 Concen: 58.406 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. -0.00 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

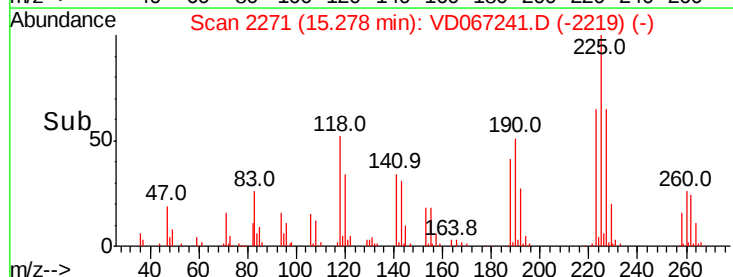
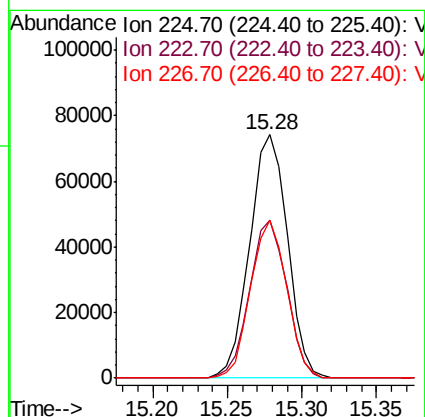
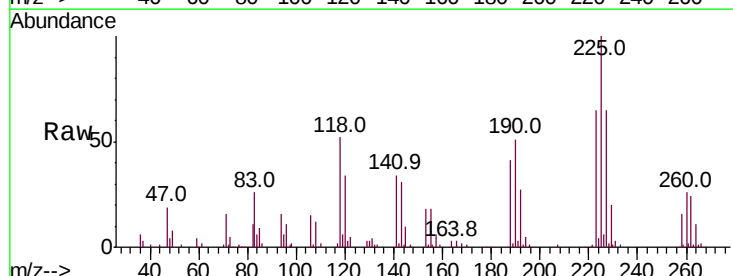
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

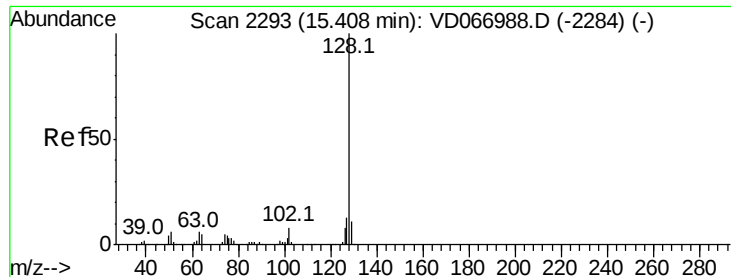
Tot Ion	Ratio	Lower	Upper
180	100		
182	94.1	47.3	142.0
145	32.6	16.4	49.1



#94
 Hexachlorobutadiene
 Concen: 56.649 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.01 min
 Lab File: VD067241.D
 Acq: 12 Oct 2020 19:05

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	32.4	97.0
227	62.3	31.6	95.0





#95

Naphthalene

Concen: 60.787 ug/l

RT: 15.41 min Scan# 2293

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

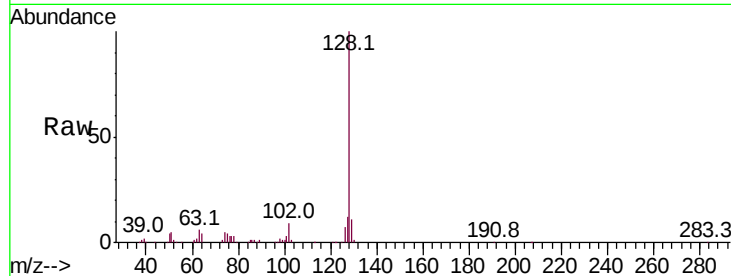
Tot Ion:128 Resp: 378490

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

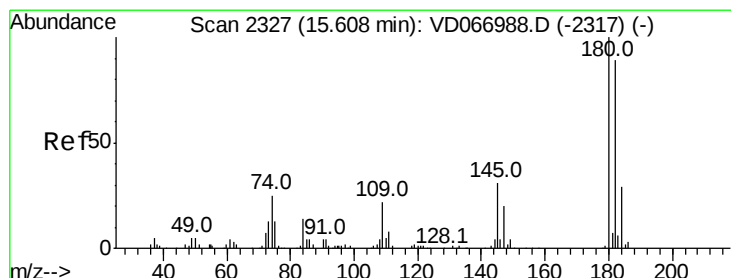
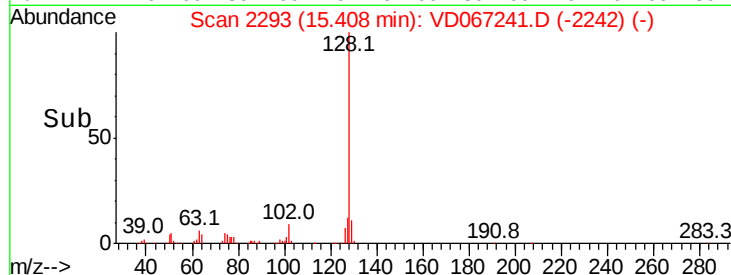
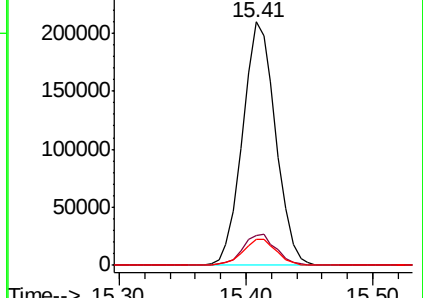
129 10.9 8.6 13.0



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: 59.673 ug/l

RT: 15.61 min Scan# 2327

Delta R.T. -0.00 min

Lab File: VD067241.D

Acq: 12 Oct 2020 19:05

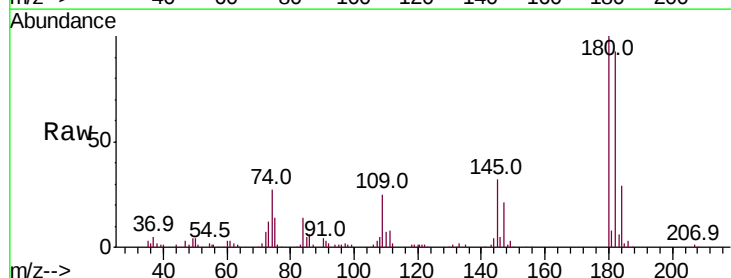
Tgt Ion:180 Resp: 193374

Ion Ratio Lower Upper

180 100

182 93.7 46.4 139.1

145 33.9 16.6 49.7



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

