

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067499.D
 Acq On : 02 Nov 2020 18:41
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Quant Time: Nov 03 00:30:53 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Mon Oct 19 19:13:29 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	262091	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	404435	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	369302	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	191305	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.34	65	130201	49.59	ug/l	0.00
Spiked Amount			Recovery	=	99.18%	
35) Dibromofluoromethane	7.92	113	135097	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
50) Toluene-d8	10.34	98	473840	48.65	ug/l	0.00
Spiked Amount			Recovery	=	97.30%	
62) 4-Bromofluorobenzene	12.64	95	168889	49.86	ug/l	0.00
Spiked Amount			Recovery	=	99.72%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	86188	40.102	ug/l	99
3) Chloromethane	2.21	50	64600	39.164	ug/l	97
4) Vinyl Chloride	2.35	62	76142	42.072	ug/l	98
5) Bromomethane	2.77	94	67946	54.145	ug/l	92
6) Chloroethane	2.93	64	53920	47.839	ug/l	99
7) Trichlorofluoromethane	3.28	101	221333	48.567	ug/l	97
8) Diethyl Ether	3.71	74	52308	50.160	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	4.10	101	113899	47.041	ug/l	97
10) Methyl Iodide	4.30	142	124337	55.669	ug/l	97
11) Tert butyl alcohol	5.21	59	27754	192.887	ug/l #	90
12) 1,1-Dichloroethene	4.07	96	100319	46.378	ug/l	97
13) Acrolein	3.92	56	25306	168.946	ug/l	97
14) Allyl chloride	4.71	41	117402	47.394	ug/l	97
15) Acrylonitrile	5.43	53	86835	249.553	ug/l	99
16) Acetone	4.16	43	80948	220.124	ug/l	97
17) Carbon Disulfide	4.41	76	249729	40.498	ug/l	100
18) Methyl Acetate	4.73	43	39718	47.353	ug/l	100
19) Methyl tert-butyl Ether	5.48	73	219034	50.925	ug/l	99
20) Methylene Chloride	4.97	84	125699	53.695	ug/l	91
21) trans-1,2-Dichloroethene	5.47	96	122172	49.080	ug/l	99
22) Diisopropyl ether	6.37	45	236436	52.249	ug/l	93
23) Vinyl Acetate	6.31	43	671484	260.827	ug/l	96
24) 1,1-Dichloroethane	6.27	63	201051	51.903	ug/l	99
25) 2-Butanone	7.21	43	100888	240.677	ug/l #	86
26) 2,2-Dichloropropane	7.21	77	201330	50.426	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	144563	52.990	ug/l	99
28) Bromochloromethane	7.55	49	65672	49.705	ug/l #	94
29) Tetrahydrofuran	7.56	42	55123	236.563	ug/l	89
30) Chloroform	7.71	83	252808	54.633	ug/l	87
31) Cyclohexane	7.99	56	129732	42.896	ug/l	96
32) 1,1,1-Trichloroethane	7.91	97	239058	52.654	ug/l	98
36) 1,1-Dichloropropene	8.11	75	164970	48.126	ug/l	99
37) Ethyl Acetate	7.30	43	48238	47.830	ug/l #	74
38) Carbon Tetrachloride	8.10	117	220900	50.421	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	165037	46.054	ug/l	99
40) Benzene	8.36	78	480982	51.147	ug/l	98
41) Methacrylonitrile	7.53	41	21081	38.681	ug/l #	85
42) 1,2-Dichloroethane	8.43	62	154144	52.378	ug/l	99
43) Isopropyl Acetate	8.46	43	96376	48.159	ug/l	98
44) Trichloroethene	9.12	130	154497	51.312	ug/l	90
45) 1,2-Dichloropropane	9.39	63	108066	49.584	ug/l	97
46) Dibromomethane	9.48	93	68651	50.557	ug/l	97
47) Bromodichloromethane	9.67	83	192367	52.875	ug/l	100
48) Methyl methacrylate	9.46	41	46845	48.169	ug/l	97
49) 1,4-Dioxane	9.46	88	11832	897.280	ug/l	98
51) 4-Methyl-2-Pentanone	10.23	43	239921	240.369	ug/l	99
52) Toluene	10.41	92	336249	52.498	ug/l	98
53) t-1,3-Dichloropropene	10.63	75	163883	51.279	ug/l	95
54) cis-1,3-Dichloropropene	10.10	75	193838	51.825	ug/l	99
55) 1,1,2-Trichloroethane	10.81	97	95893	51.787	ug/l	98
56) Ethyl methacrylate	10.67	69	96902	50.459	ug/l	98
57) 1,3-Dichloropropane	10.95	76	150488	51.068	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.95	63	244846	248.534	ug/l	95
59) 2-Hexanone	10.99	43	166551	244.189	ug/l	99
60) Dibromochloromethane	11.14	129	141434	52.375	ug/l	100
61) 1,2-Dibromoethane	11.25	107	92314	50.569	ug/l	98
64) Tetrachloroethene	10.88	164	131243	49.050	ug/l	94
65) Chlorobenzene	11.68	112	374205	52.841	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	155658	55.304	ug/l	98
67) Ethyl Benzene	11.75	91	649860	53.533	ug/l	99
68) m/p-Xylenes	11.86	106	500185	106.998	ug/l	99
69) o-Xylene	12.18	106	232483	53.706	ug/l	96
70) Styrene	12.20	104	412058	55.296	ug/l	100
71) Bromoform	12.37	173	77362	51.163	ug/l #	97
73) Isopropylbenzene	12.48	105	653841	53.852	ug/l	100
74) N-amyl acetate	12.30	43	84132	45.879	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	90777	48.795	ug/l	99
76) 1,2,3-Trichloropropane	12.78	75	121573	91.689	ug/l #	100
77) Bromobenzene	12.77	156	160963	53.176	ug/l	98
78) n-propylbenzene	12.83	91	731996	52.035	ug/l	99
79) 2-Chlorotoluene	12.91	91	426912	52.330	ug/l	98
80) 1,3,5-Trimethylbenzene	12.97	105	567796	53.815	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.54	75	29264	50.050	ug/l	95
82) 4-Chlorotoluene	13.01	91	455463	52.603	ug/l	100
83) tert-Butylbenzene	13.23	119	481778	54.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.27	105	569785	54.639	ug/l	99
85) sec-Butylbenzene	13.41	105	637221	52.106	ug/l	100
86) p-Isopropyltoluene	13.52	119	605625	52.468	ug/l	99
87) 1,3-Dichlorobenzene	13.52	146	300977	51.659	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	305416	52.910	ug/l	99
89) n-Butylbenzene	13.85	91	528977	52.092	ug/l	99
90) Hexachloroethane	14.12	117	101789	50.534	ug/l	100
91) 1,2-Dichlorobenzene	13.90	146	267734	52.602	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	15938	47.158	ug/l	94

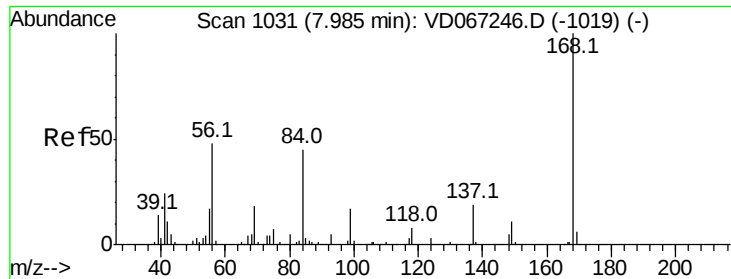
Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	182172	53.086	ug/l	97
94) Hexachlorobutadiene	15.28	225	111654	52.395	ug/l	98
95) Naphthalene	15.41	128	294500	52.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	154546	52.130	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

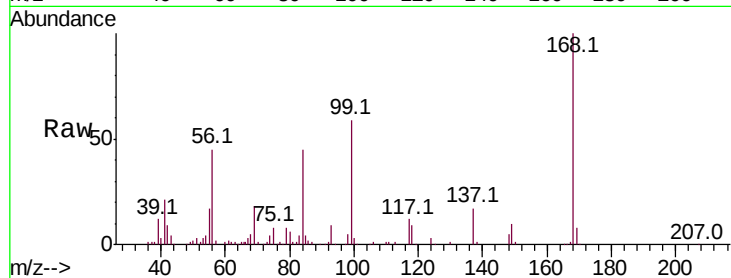
VSTDCCC050EC

Tot Ion:168 Resp: 262091

Ion Ratio Lower Upper

168 100

99 58.7 45.9 68.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC

7.98

120000

100000

80000

60000

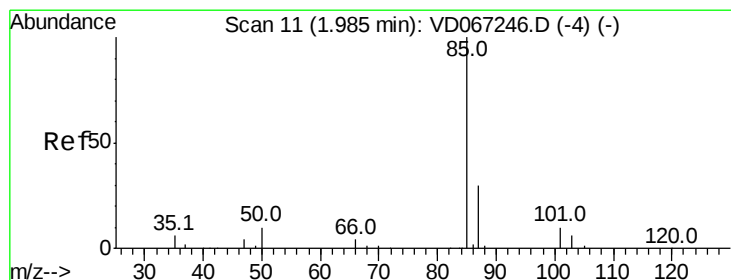
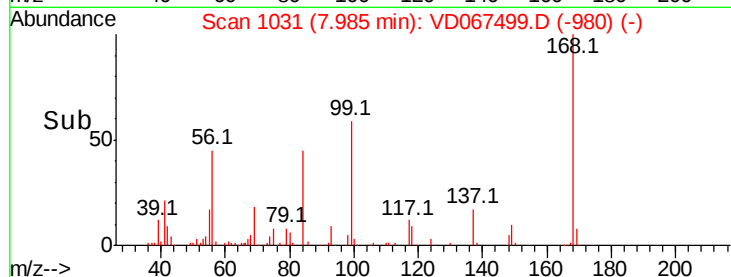
40000

20000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 40.102 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067499.D

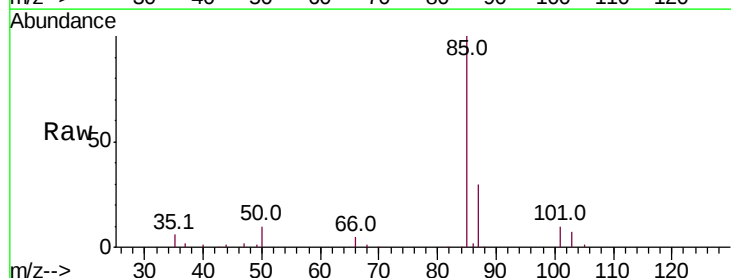
Acq: 02 Nov 2020 18:41

Tgt Ion: 85 Resp: 86188

Ion Ratio Lower Upper

85 100

87 30.0 15.2 45.6



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

60000

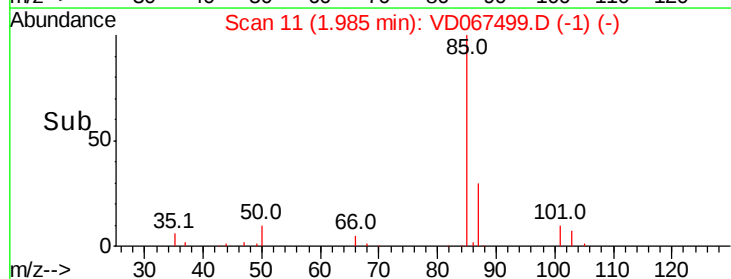
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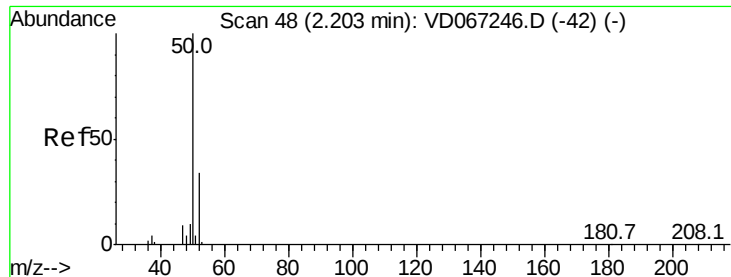
20000

0

1.95 2.00 2.05

Time-->





#3

Chloromethane

Concen: 39.164 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

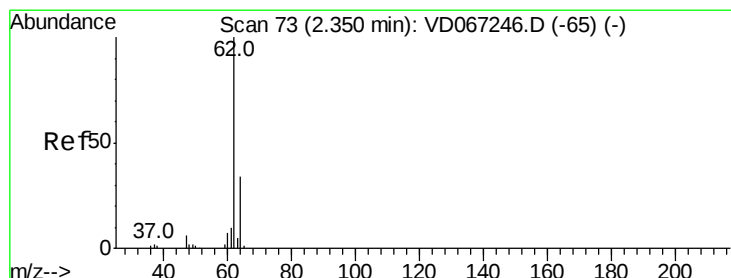
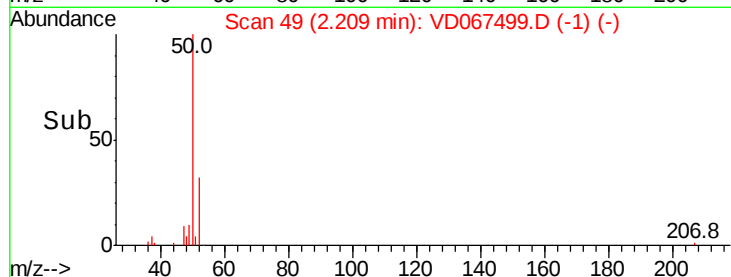
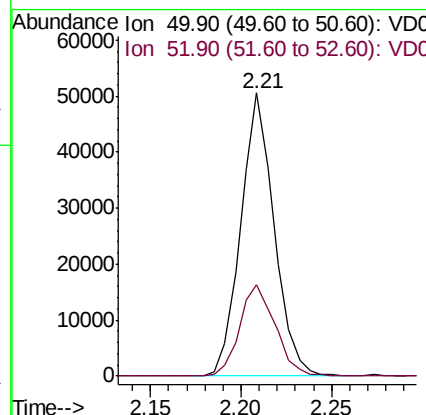
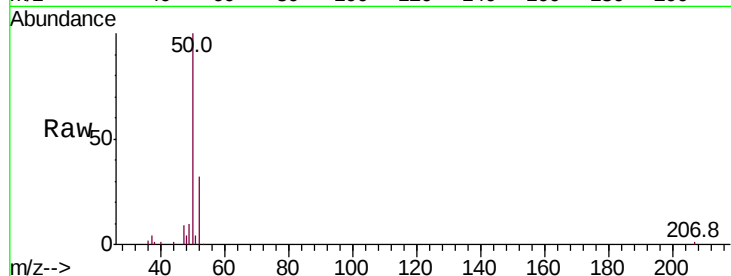
VSTDCCC050EC

Tot Ion: 50 Resp: 64600

Ion Ratio Lower Upper

50 100

52 32.1 27.1 40.7



#4

Vinyl Chloride

Concen: 42.072 ug/l

RT: 2.35 min Scan# 73

Delta R.T. 0.00 min

Lab File: VD067499.D

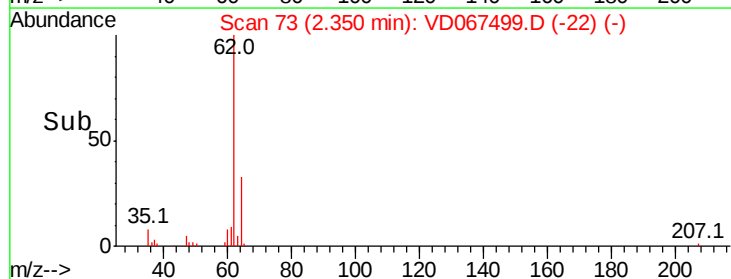
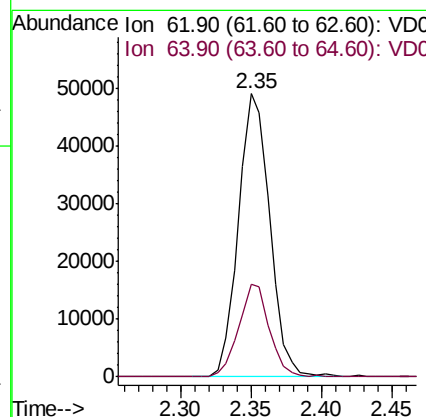
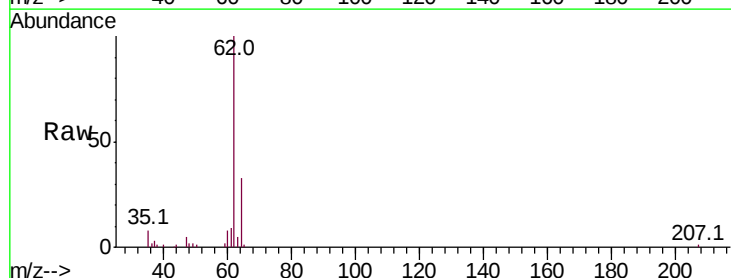
Acq: 02 Nov 2020 18:41

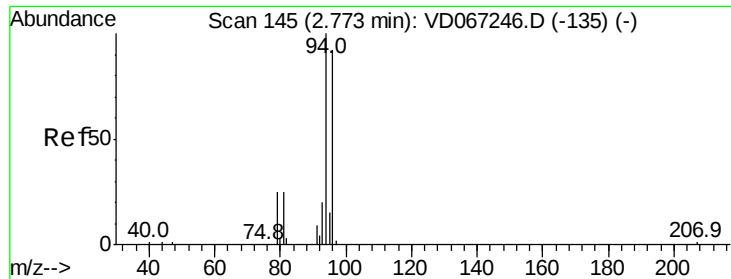
Tgt Ion: 62 Resp: 76142

Ion Ratio Lower Upper

62 100

64 32.9 27.4 41.0





#5

Bromomethane

Concen: 54.145 ug/l

RT: 2.77 min Scan# 145

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

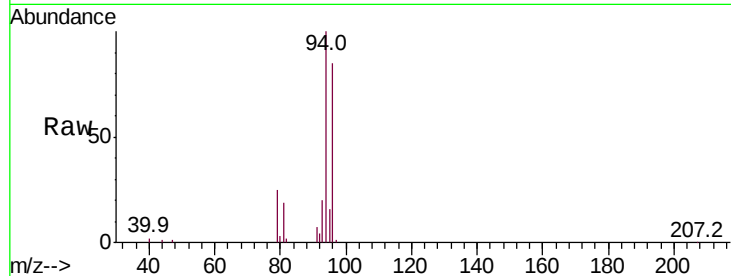
VSTDCCC050EC

Tot Ion: 94 Resp: 67946

Ion Ratio Lower Upper

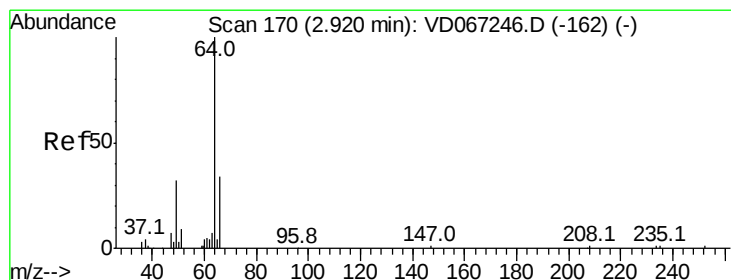
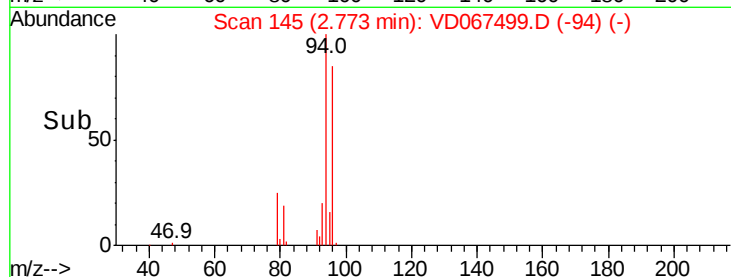
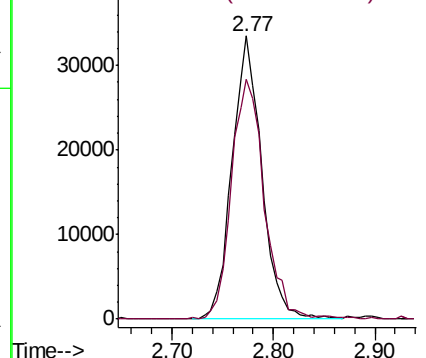
94 100

96 84.3 73.8 110.6



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#6

Chloroethane

Concen: 47.839 ug/l

RT: 2.93 min Scan# 171

Delta R.T. 0.01 min

Lab File: VD067499.D

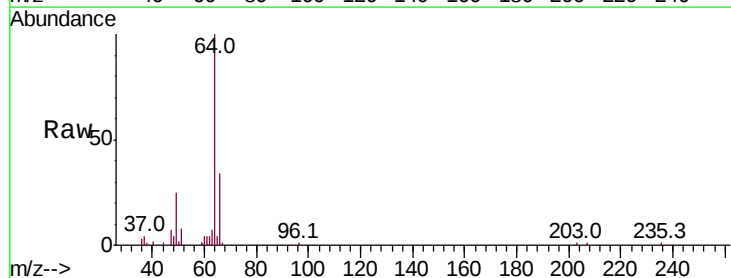
Acq: 02 Nov 2020 18:41

Tgt Ion: 64 Resp: 53920

Ion Ratio Lower Upper

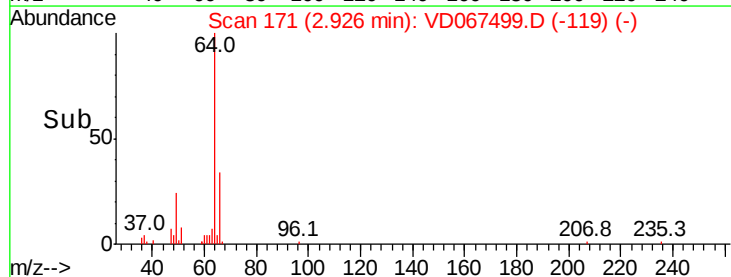
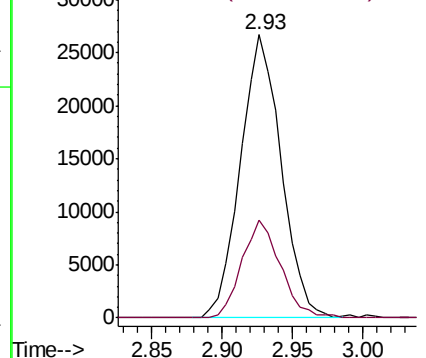
64 100

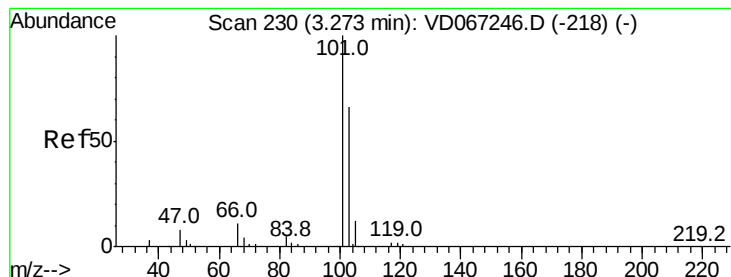
66 34.5 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



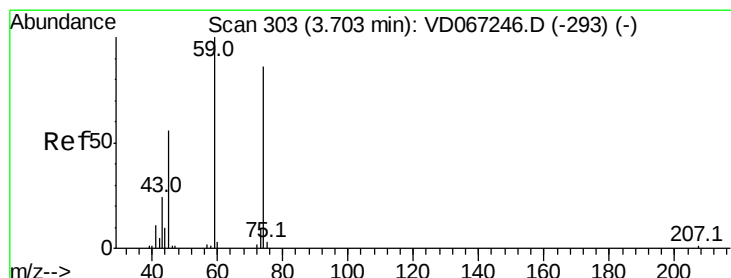
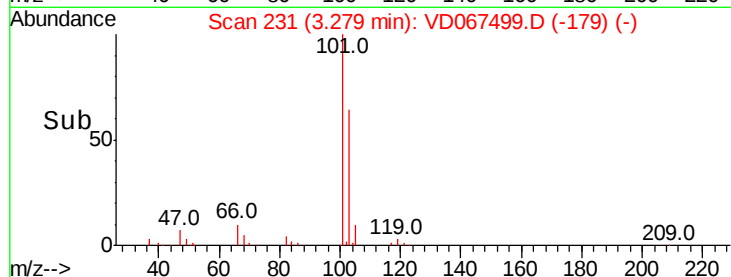
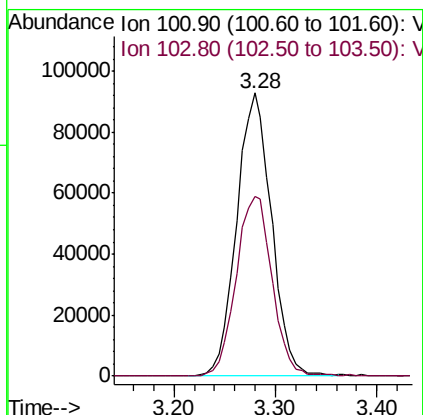
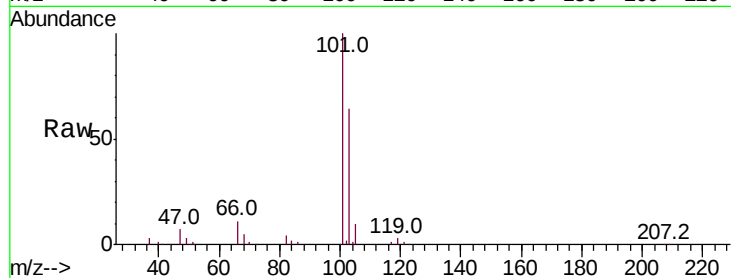


#7

Trichlorofluoromethane
Concen: 48.567 ug/l
RT: 3.28 min Scan# 231
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

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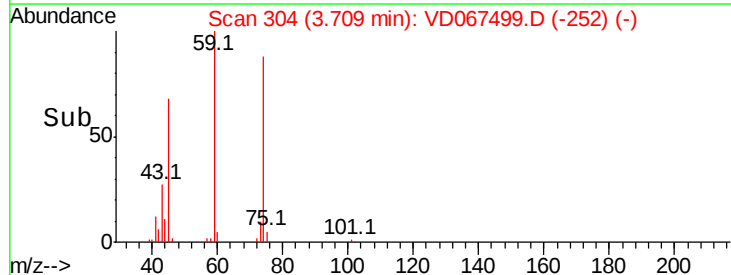
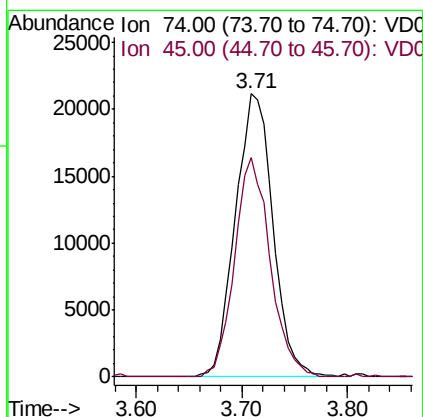
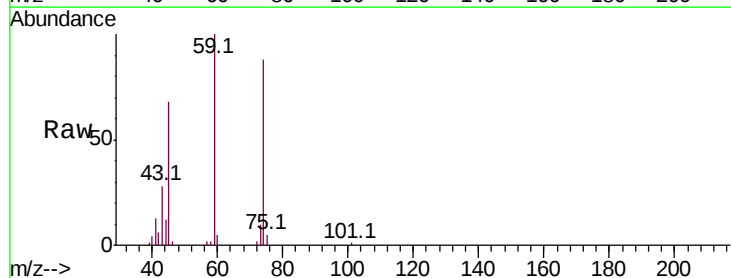
Tot Ion:101 Resp: 221333
Ion Ratio Lower Upper
101 100
103 63.7 53.1 79.7

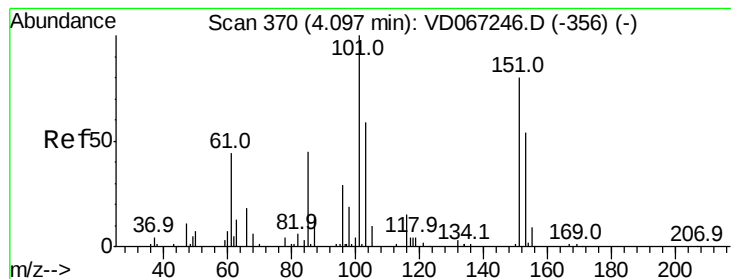


#8

Diethyl Ether
Concen: 50.160 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 74 Resp: 52308
Ion Ratio Lower Upper
74 100
45 73.2 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 47.041 ug/l

RT: 4.10 min Scan# 371

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

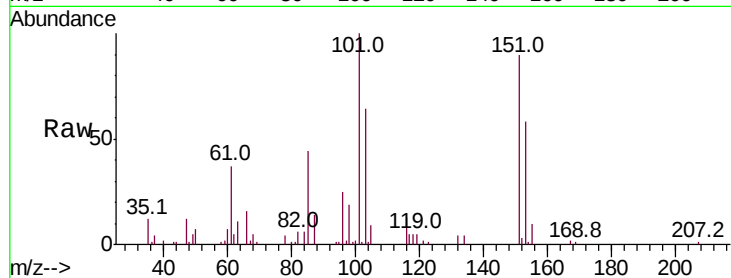
Tot Ion:101 Resp: 113899

Ion Ratio Lower Upper

101 100

85 42.1 34.2 51.4

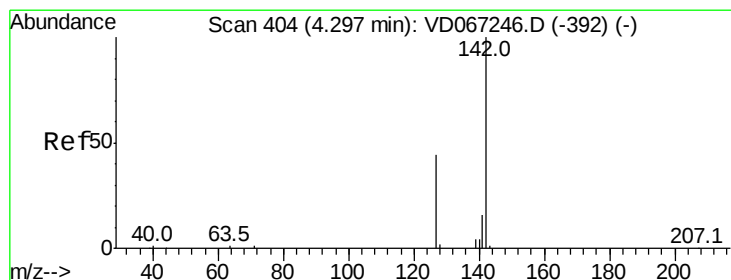
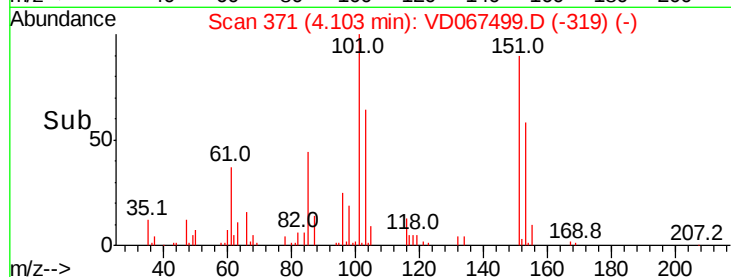
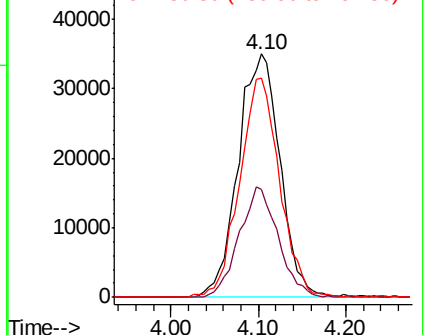
151 86.1 66.3 99.5



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: 55.669 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

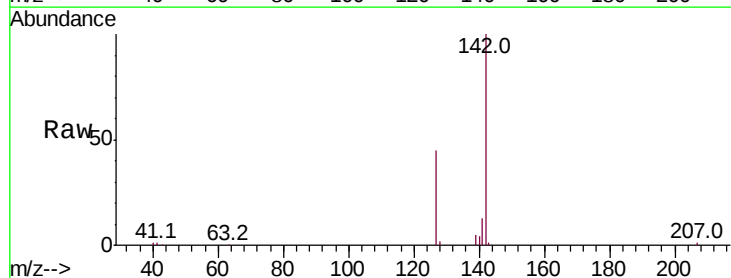
Tgt Ion:142 Resp: 124337

Ion Ratio Lower Upper

142 100

127 50.2 38.4 57.6

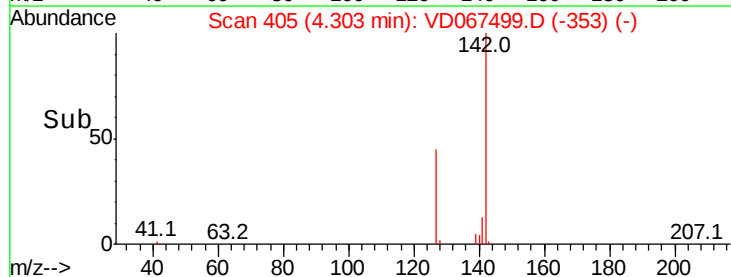
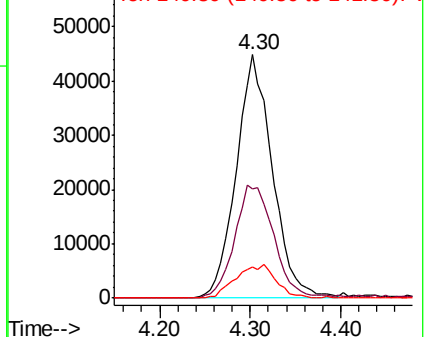
141 15.2 11.6 17.4

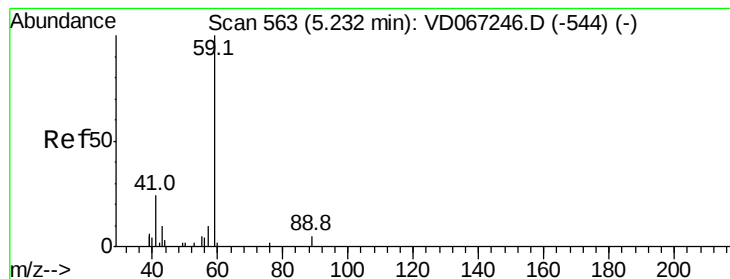


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



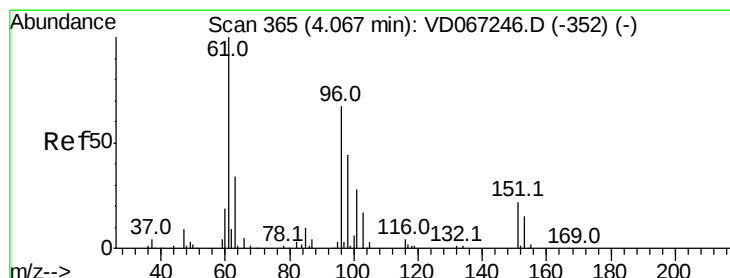
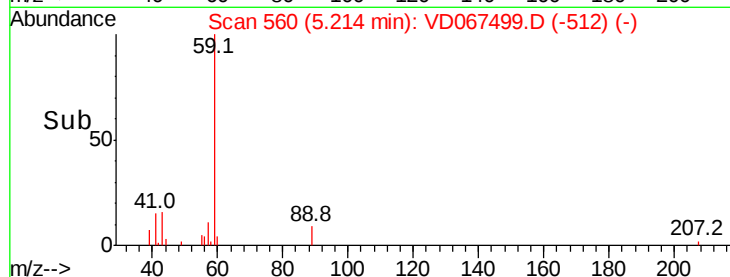
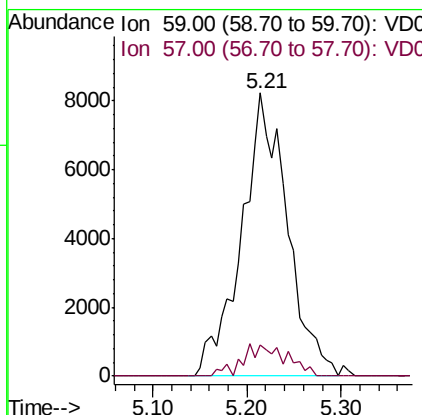
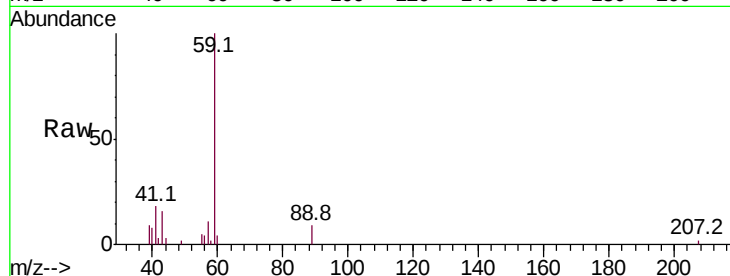


#11

Tert butyl alcohol
Concen: 192.887 ug/l
RT: 5.21 min Scan# 560
Delta R.T. -0.02 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

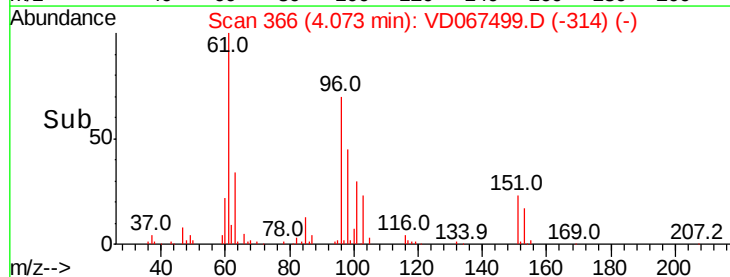
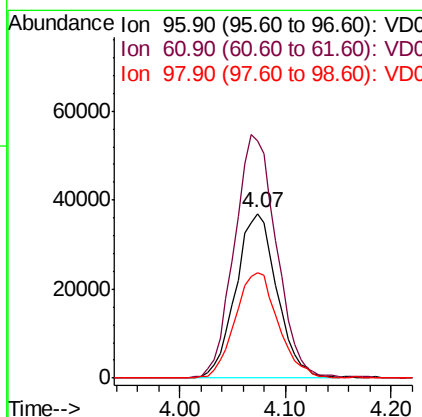
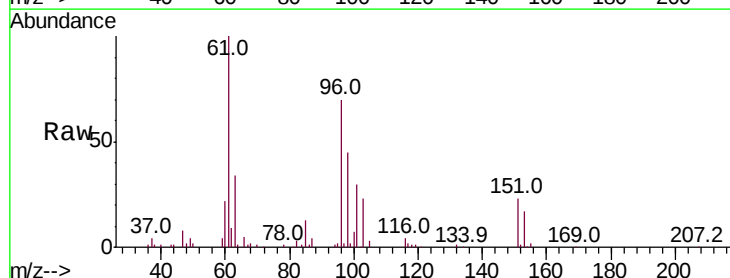
Tot Ion: 59 Resp: 27754
Ion Ratio Lower Upper
59 100
57 9.9 5.1 7.7#

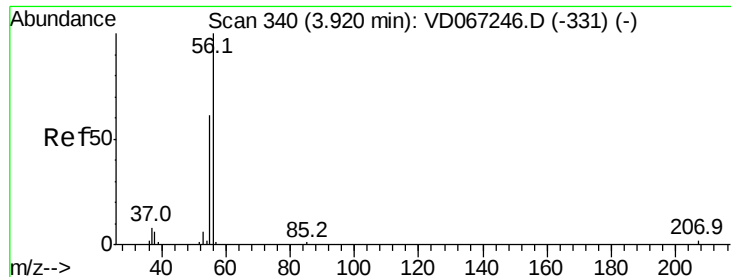


#12

1,1-Dichloroethene
Concen: 46.378 ug/l
RT: 4.07 min Scan# 366
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 96 Resp: 100319
Ion Ratio Lower Upper
96 100
61 143.8 118.6 177.8
98 64.1 51.8 77.6





#13

Acrolein

Concen: 168.946 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

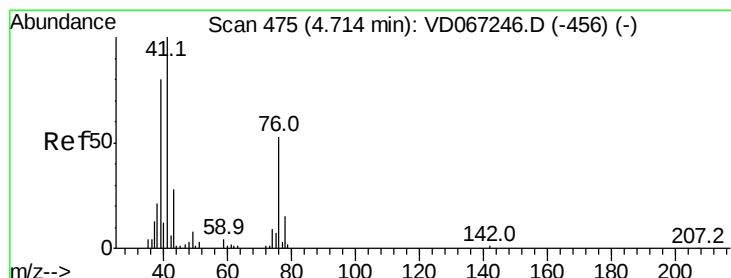
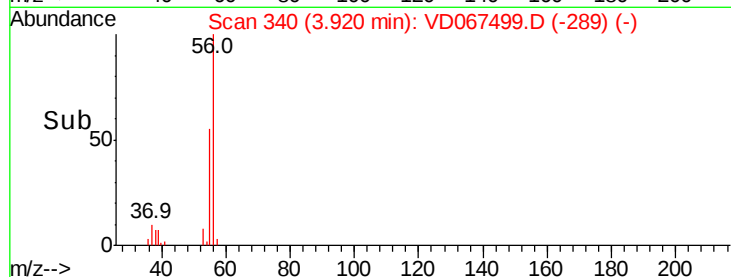
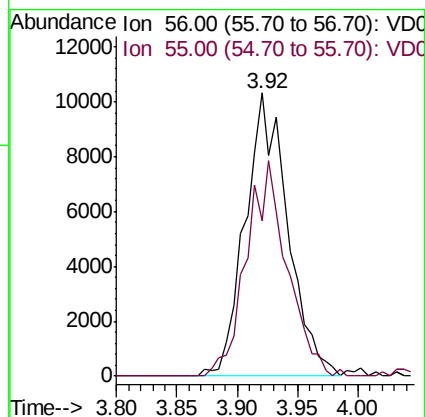
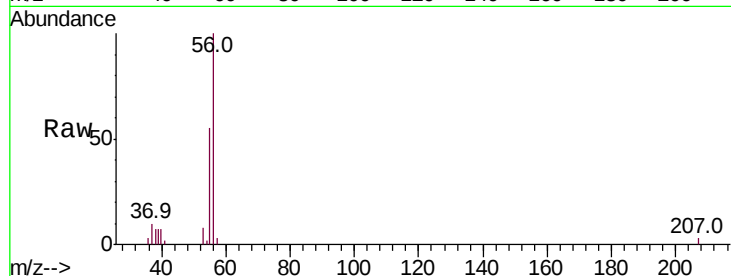
VSTDCCC050EC

Tot Ion: 56 Resp: 25306

Ion Ratio Lower Upper

56 100

55 72.3 56.0 84.0



#14

Allyl chloride

Concen: 47.394 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

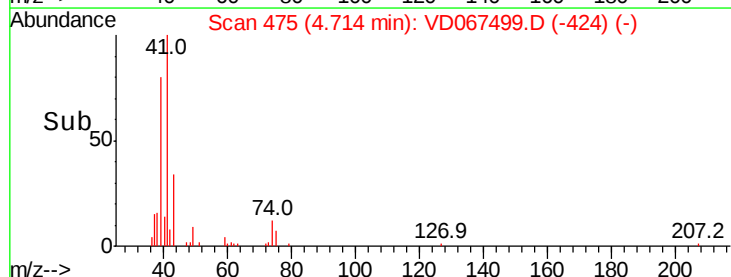
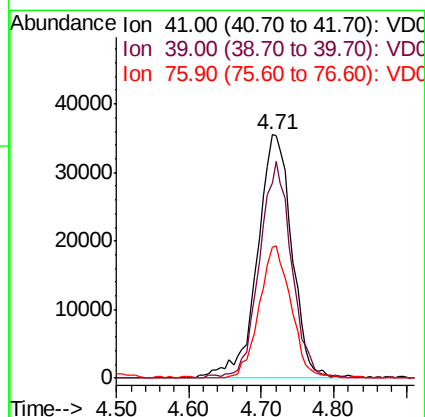
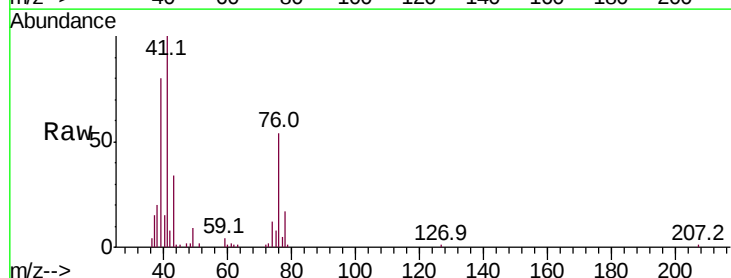
Tgt Ion: 41 Resp: 117402

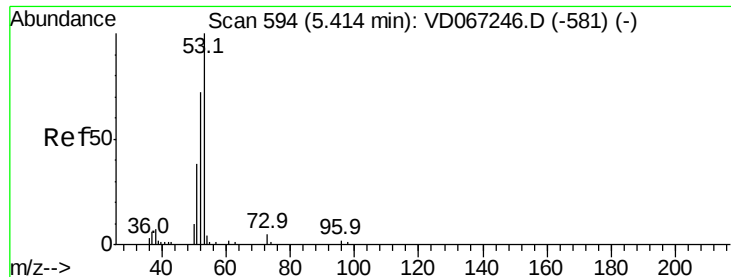
Ion Ratio Lower Upper

41 100

39 82.8 63.8 95.6

76 49.8 40.4 60.6





#15

Acrylonitrile

Concen: 249.553 ug/l

RT: 5.43 min Scan# 596

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

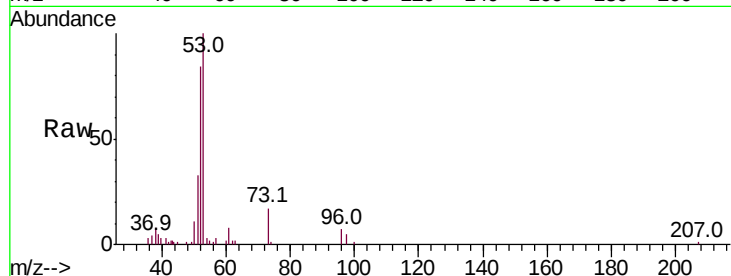
Tot Ion: 53 Resp: 86835

Ion Ratio Lower Upper

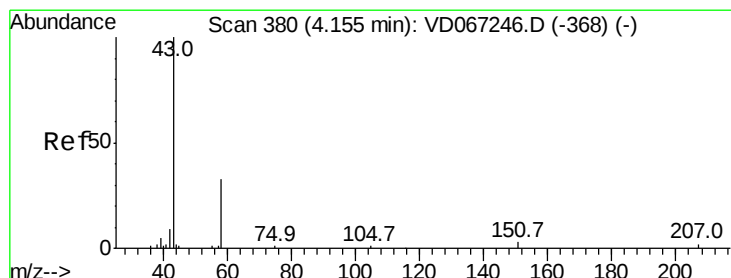
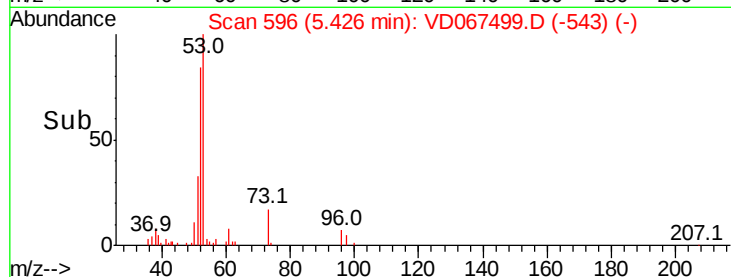
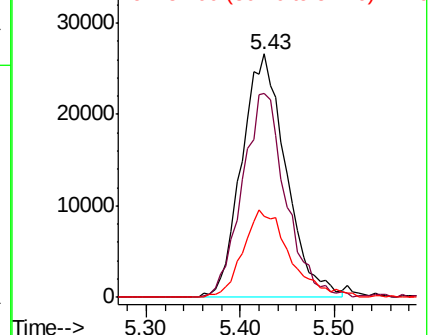
53 100

52 82.6 65.6 98.4

51 37.9 30.8 46.2



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: 220.124 ug/l

RT: 4.16 min Scan# 381

Delta R.T. 0.01 min

Lab File: VD067499.D

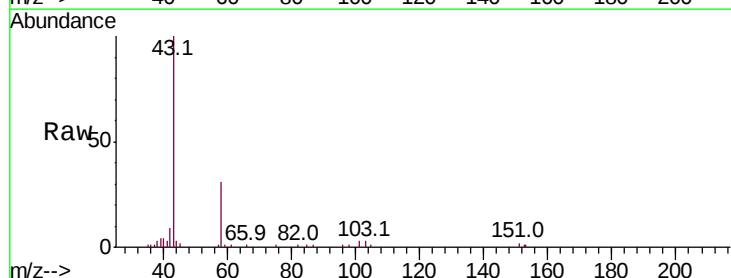
Acq: 02 Nov 2020 18:41

Tgt Ion: 43 Resp: 80948

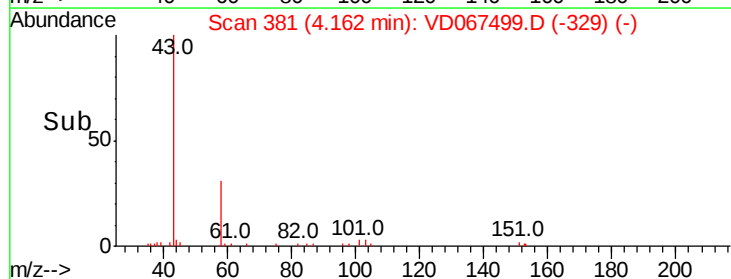
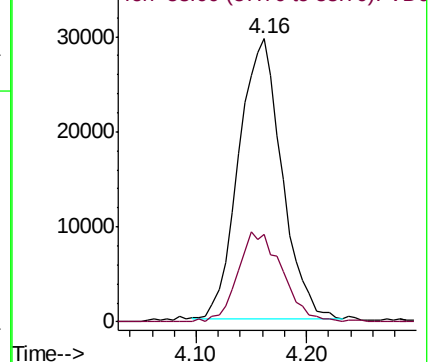
Ion Ratio Lower Upper

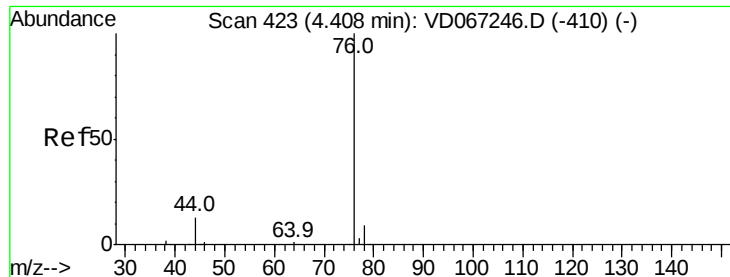
43 100

58 31.1 26.1 39.1



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

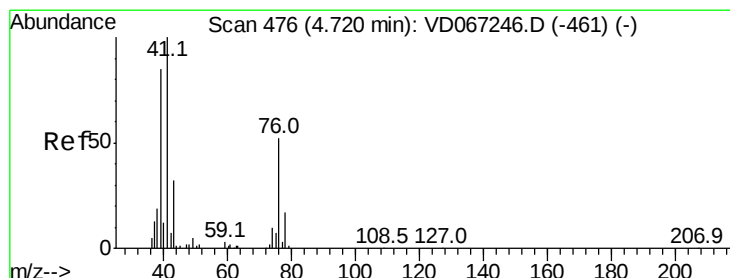
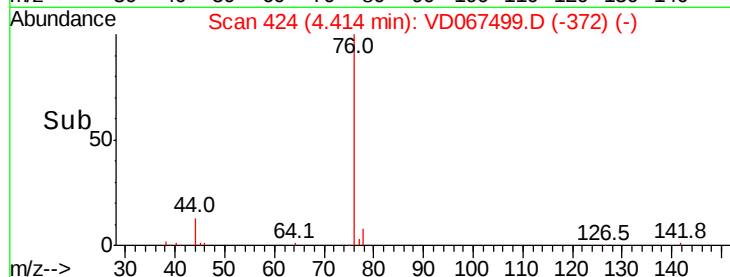
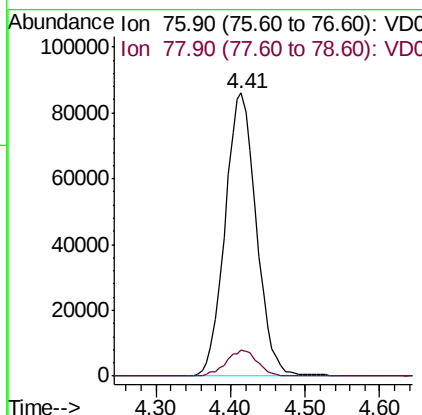
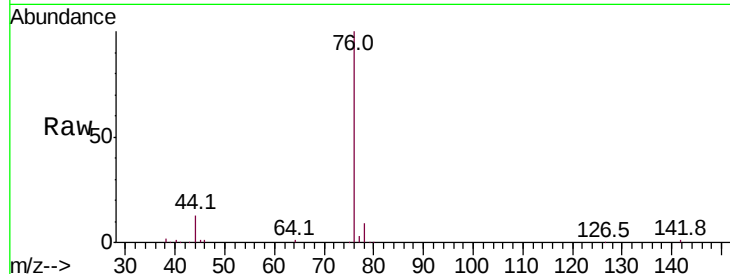




#17
Carbon Disulfide
Concen: 40.498 ug/l
RT: 4.41 min Scan# 424
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

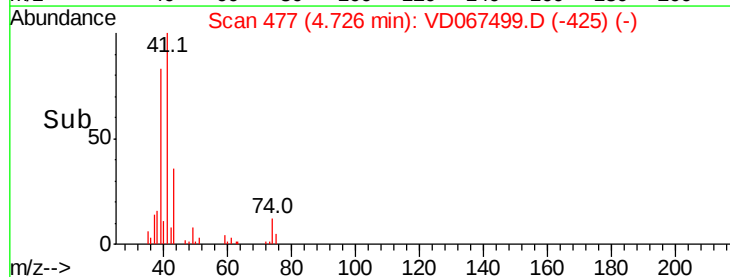
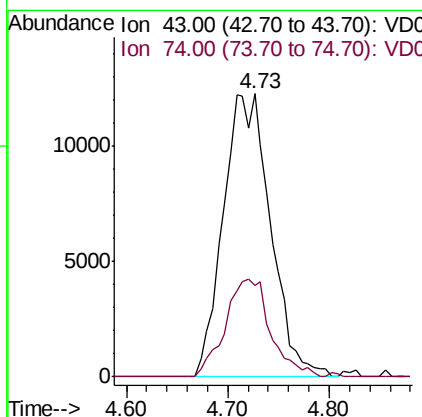
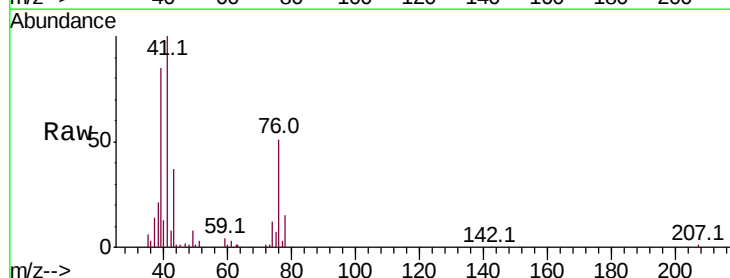
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

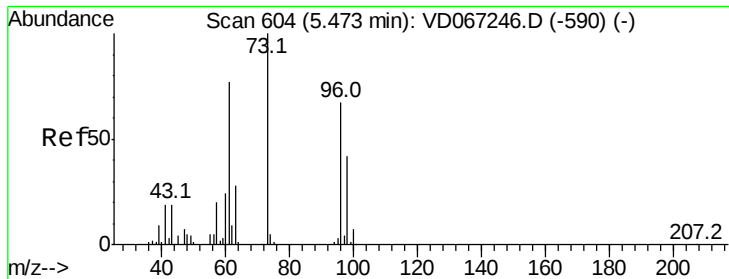
Tot Ion: 76 Resp: 249729
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 47.353 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 43 Resp: 39718
Ion Ratio Lower Upper
43 100
74 33.0 26.6 39.8

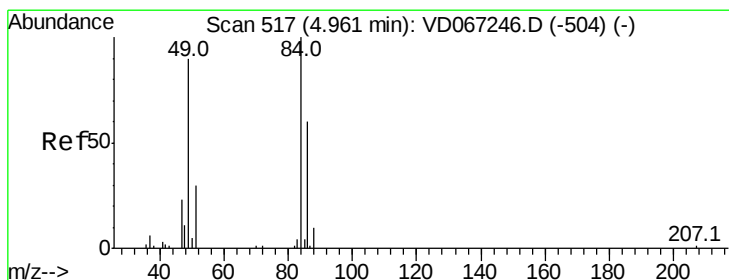
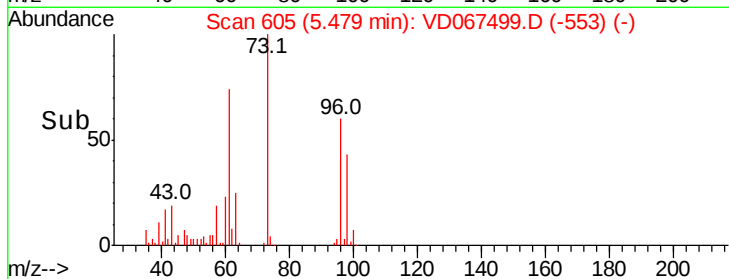
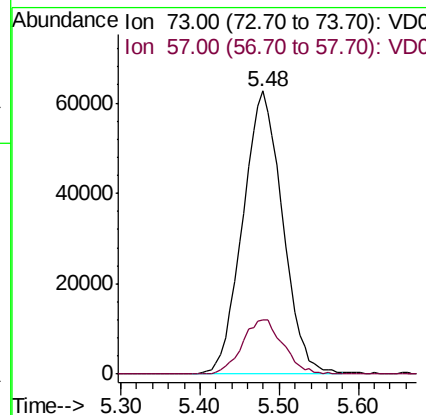
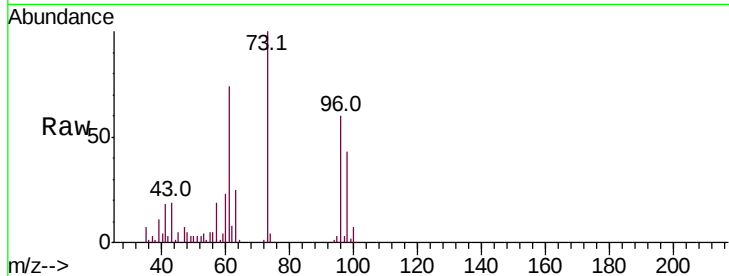




#19
Methvl tert-butvl Ether
Concen: 50.925 ug/l
RT: 5.48 min Scan# 605
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

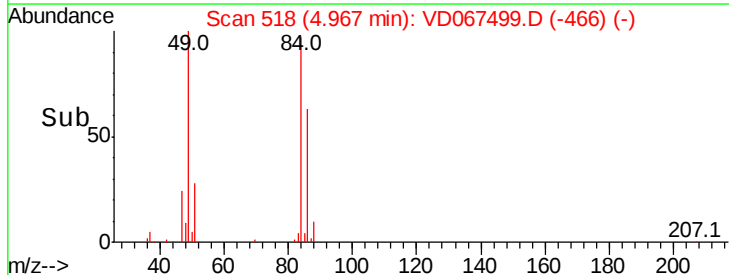
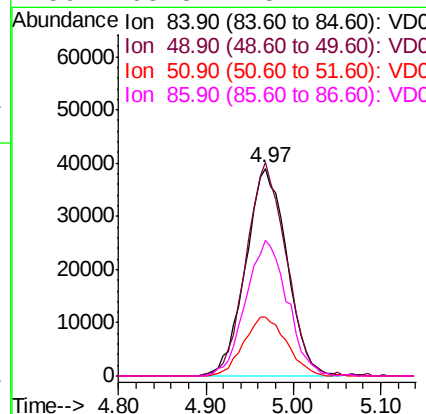
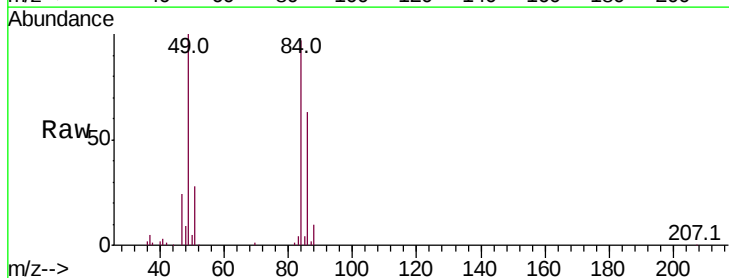
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

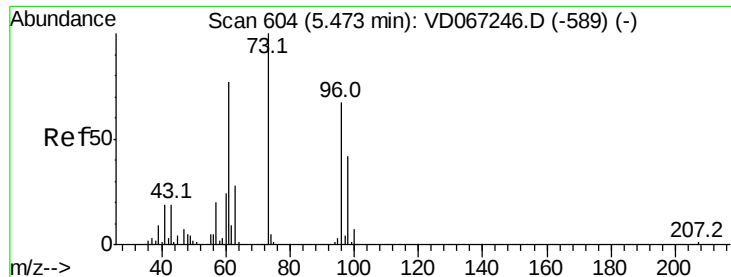
Tot Ion: 73 Resp: 219034
Ion Ratio Lower Upper
73 100
57 19.0 15.7 23.5



#20
Methylene Chloride
Concen: 53.695 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 84 Resp: 125699
Ion Ratio Lower Upper
84 100
49 102.9 72.2 108.2
51 28.3 23.8 35.8
86 65.3 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 49.080 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

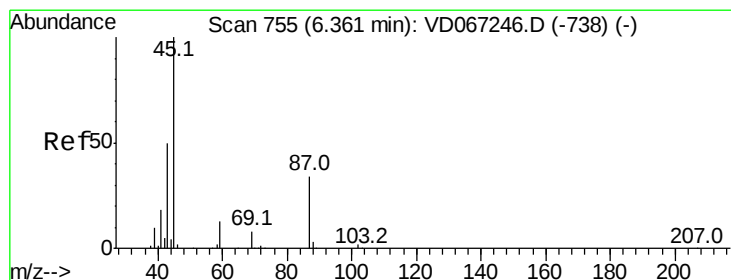
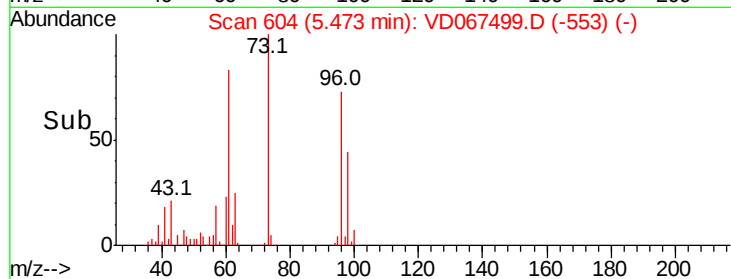
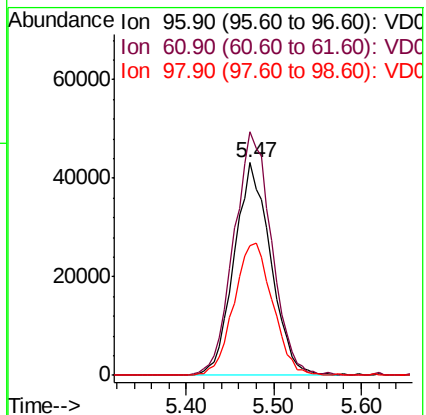
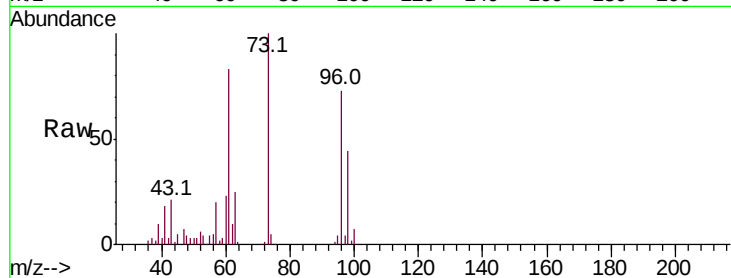
Tot Ion: 96 Resp: 122172

Ion Ratio Lower Upper

96 100

61 114.7 92.0 138.0

98 60.8 49.8 74.8



#22

Diisopropyl ether

Concen: 52.249 ug/l

RT: 6.37 min Scan# 756

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Tgt Ion: 45 Resp: 236436

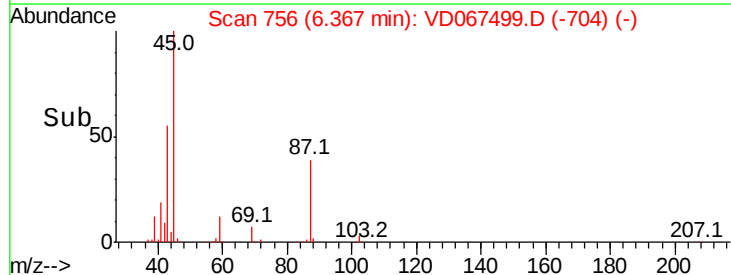
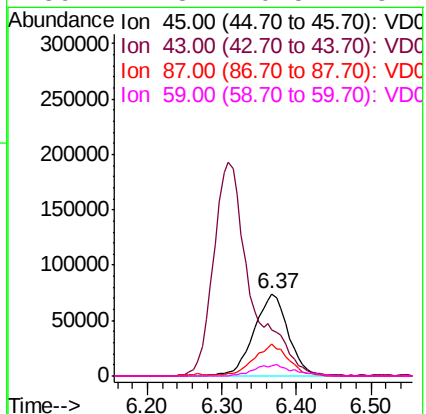
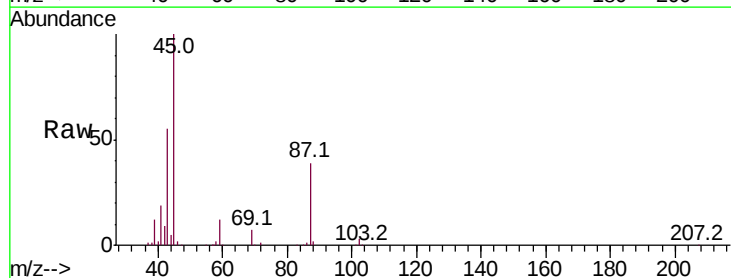
Ion Ratio Lower Upper

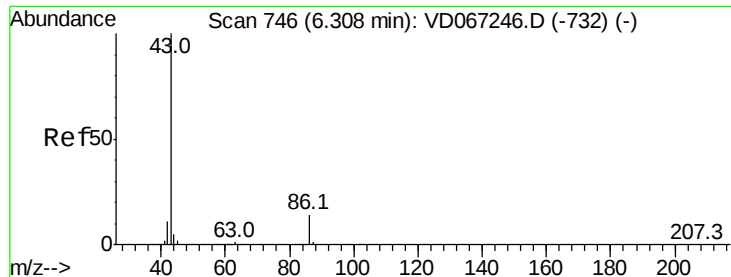
45 100

43 54.0 48.0 72.0

87 39.2 28.5 42.7

59 11.8 10.5 15.7





#23

Vinyl Acetate

Concen: 260.827 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

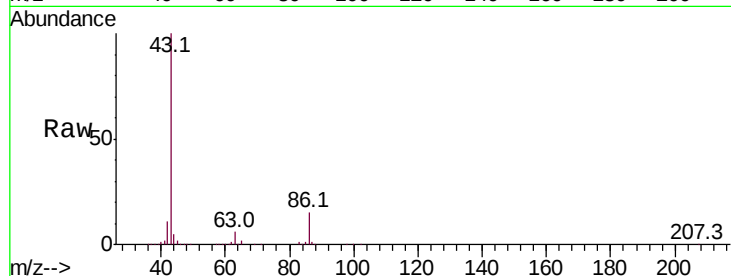
VSTDCCC050EC

Tot Ion: 43 Resp: 671484

Ion Ratio Lower Upper

43 100

86 15.3 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

200000

150000

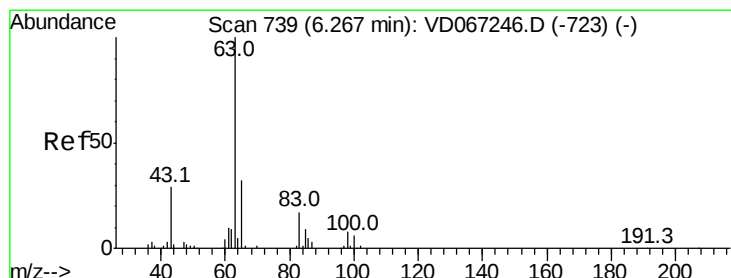
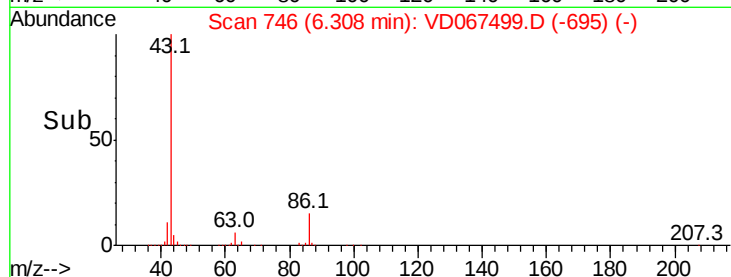
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 51.903 ug/l

RT: 6.27 min Scan# 740

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

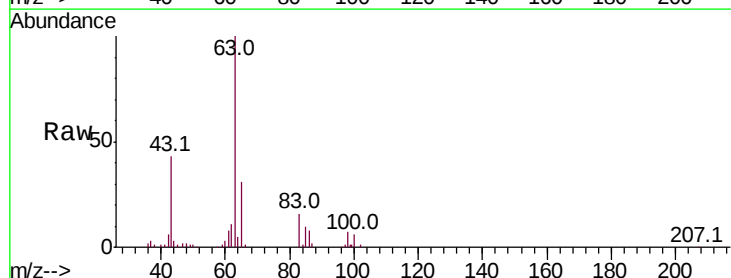
Tgt Ion: 63 Resp: 201051

Ion Ratio Lower Upper

63 100

98 7.4 4.0 12.2

100 5.7 2.8 8.4



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 97.90 (97.60 to 98.60): VDC

Ion 99.90 (99.60 to 100.60): VDC

80000

60000

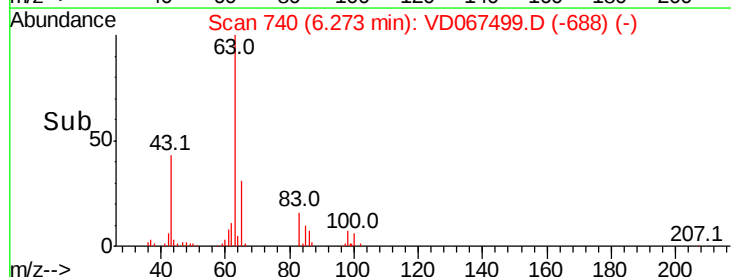
40000

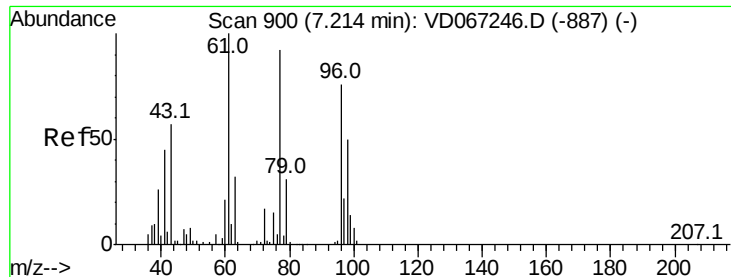
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 240.677 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

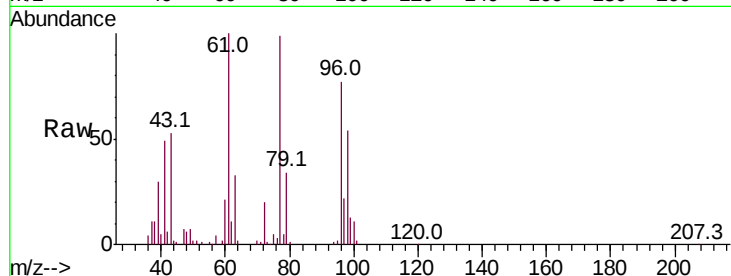
VSTDCCC050EC

Tot Ion: 43 Resp: 100888

Ion Ratio Lower Upper

43 100

72 37.0 23.7 35.5#



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

7.21

40000

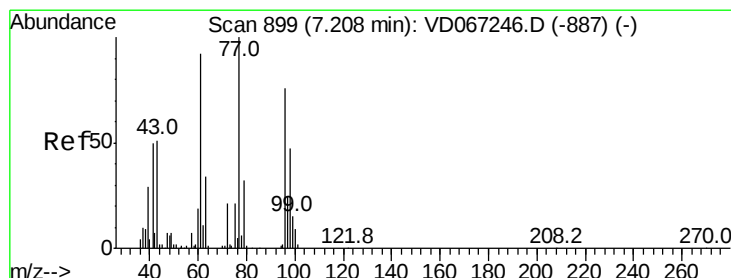
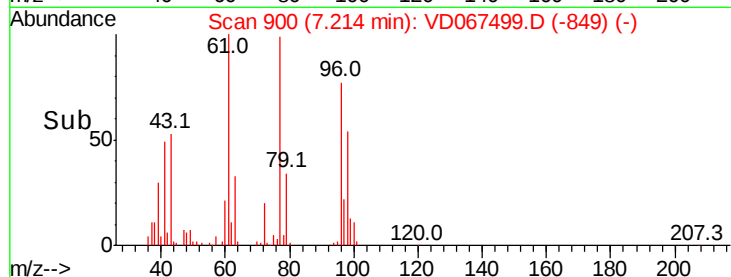
30000

20000

10000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#26

2,2-Dichloropropane

Concen: 50.426 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.01 min

Lab File: VD067499.D

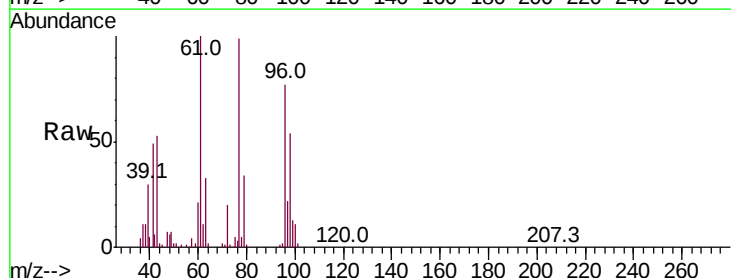
Acq: 02 Nov 2020 18:41

Tgt Ion: 77 Resp: 201330

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2



Abundance Ion 76.90 (76.60 to 77.60): VDC

Ion 96.90 (96.60 to 97.60): VDC

80000

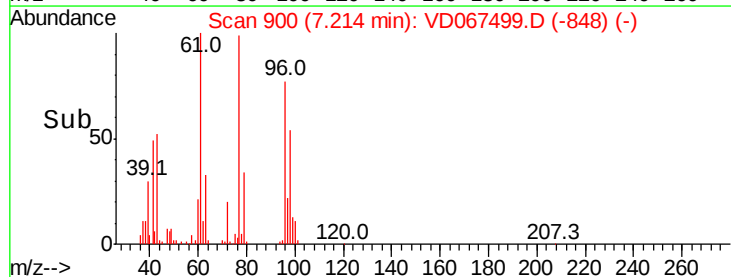
60000

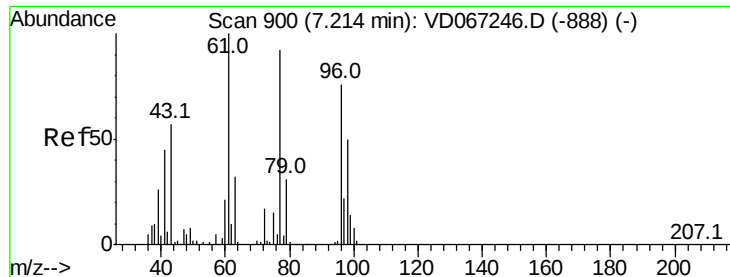
40000

20000

0

Time--> 7.10 7.20 7.30



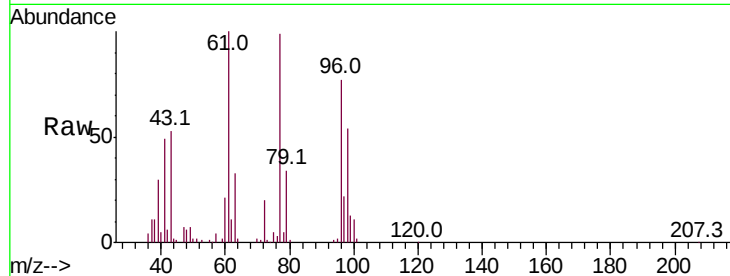


#27

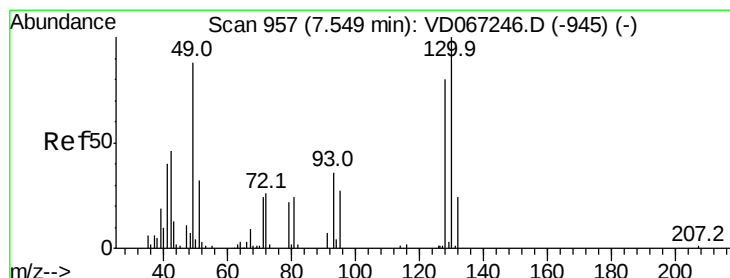
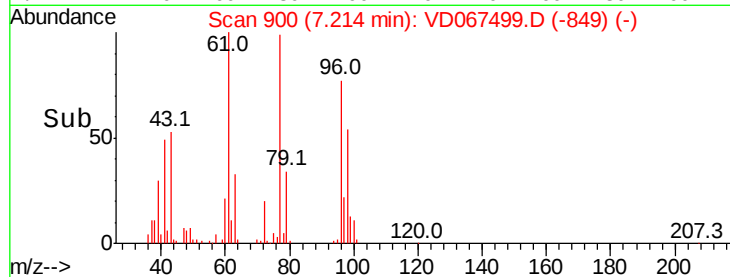
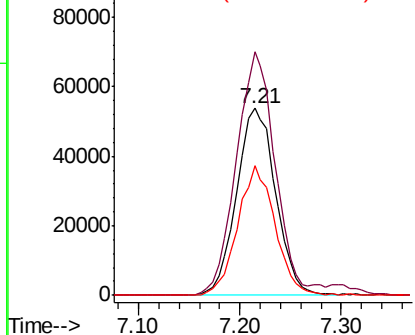
cis-1,2-Dichloroethene
Concen: 52.990 ug/l
RT: 7.21 min Scan# 900
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion: 96 Resp: 144563
Ion Ratio Lower Upper
96 100
61 127.9 0.0 255.4
98 66.3 0.0 128.0



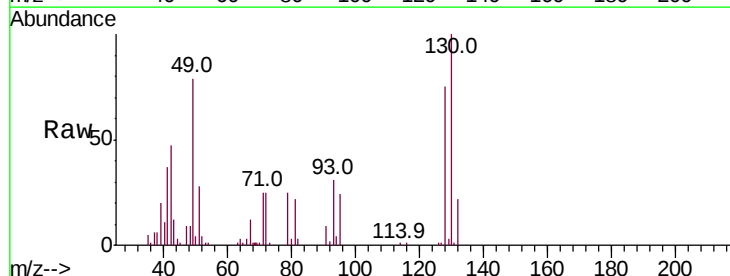
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



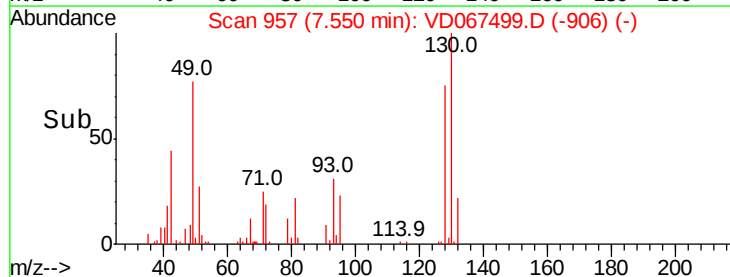
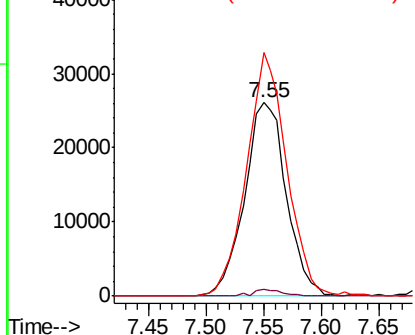
#28

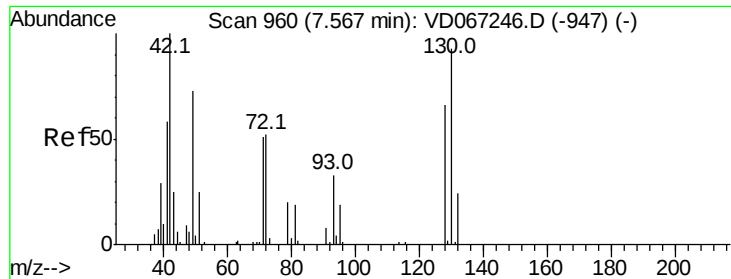
Bromochloromethane
Concen: 49.705 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 49 Resp: 65672
Ion Ratio Lower Upper
49 100
129 2.4 0.0 1.6#
130 120.5 91.0 136.6



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

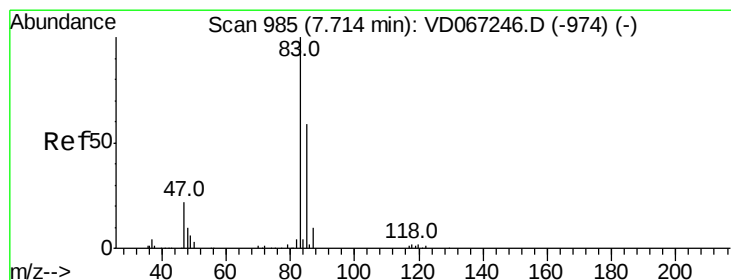
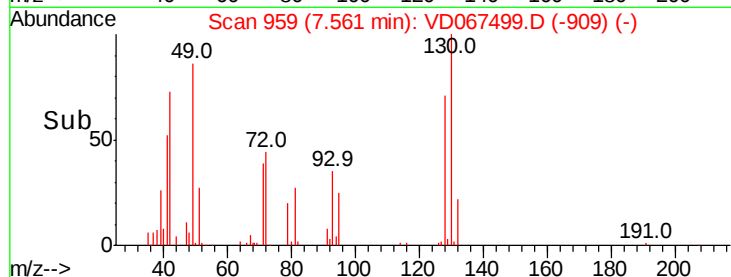
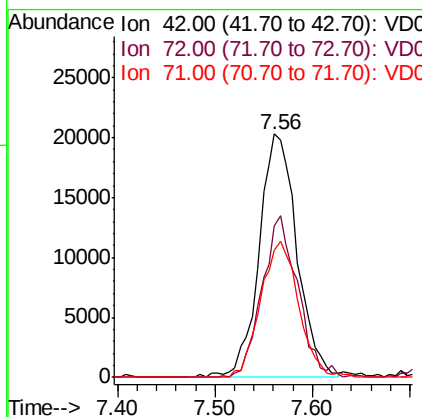
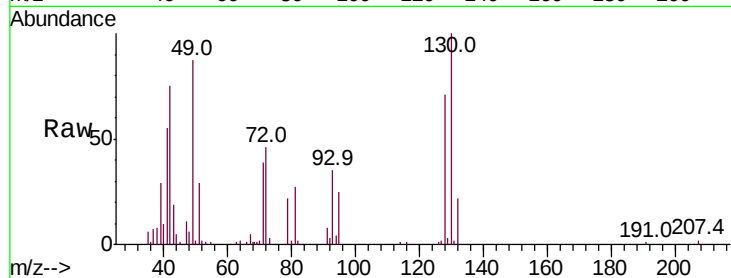




#29
Tetrahydrofuran
Concen: 236.563 ug/l
RT: 7.56 min Scan# 959
Delta R.T. -0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

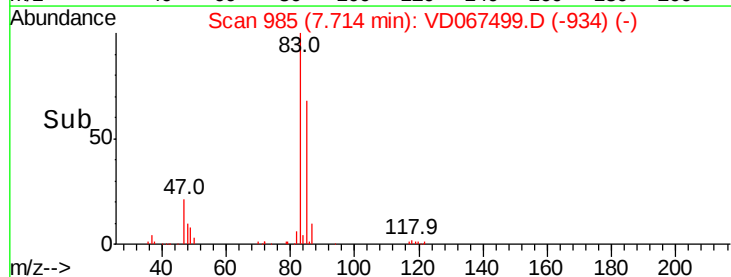
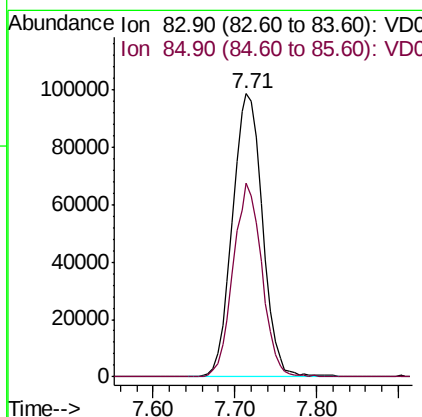
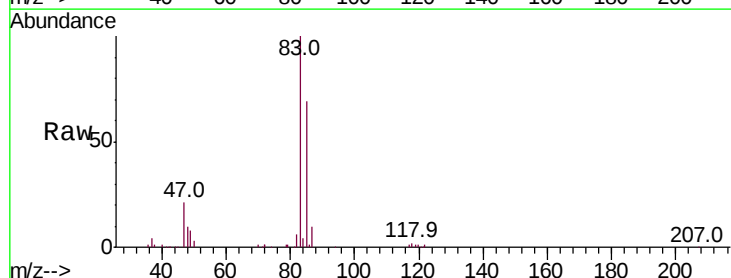
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

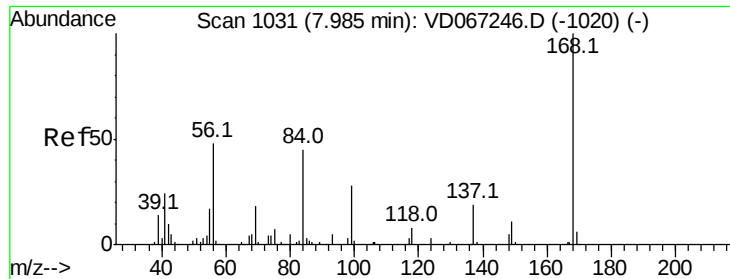
Tot Ion: 42 Resp: 55123
Ion Ratio Lower Upper
42 100
72 62.6 43.2 64.8
71 56.1 39.4 59.0



#30
Chloroform
Concen: 54.633 ug/l
RT: 7.71 min Scan# 985
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 83 Resp: 252808
Ion Ratio Lower Upper
83 100
85 68.6 47.3 70.9

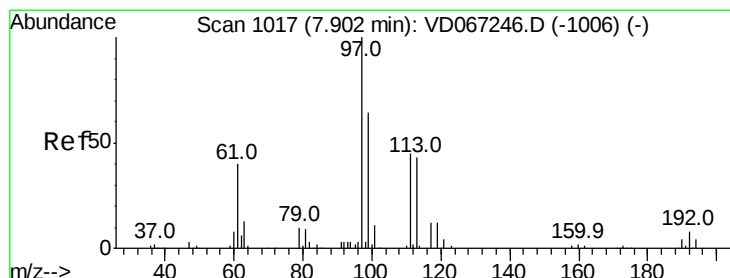
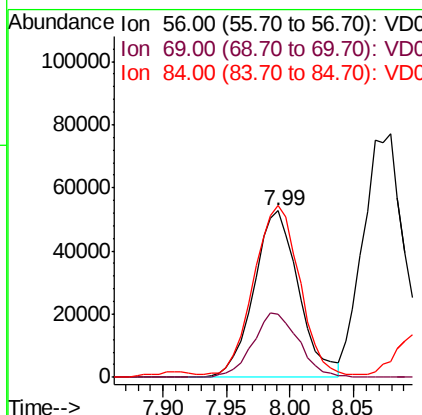
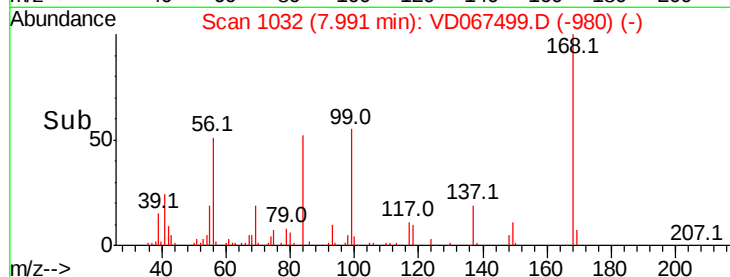
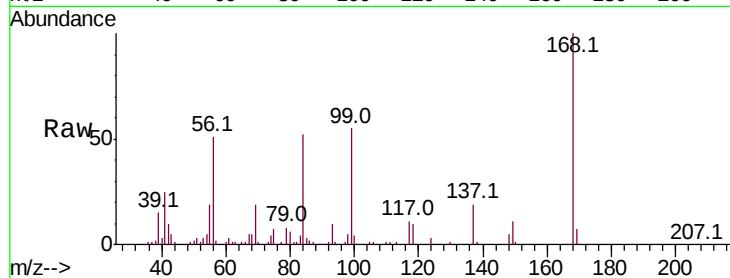




#31
Cyclohexane
Concen: 42.896 ug/l
RT: 7.99 min Scan# 1032
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

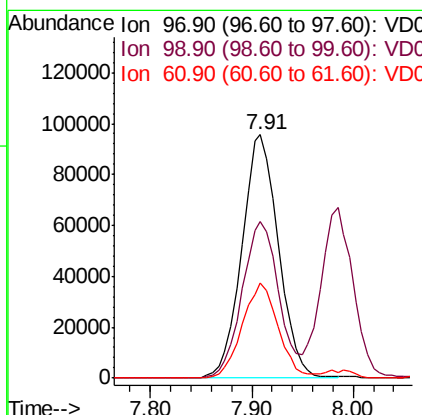
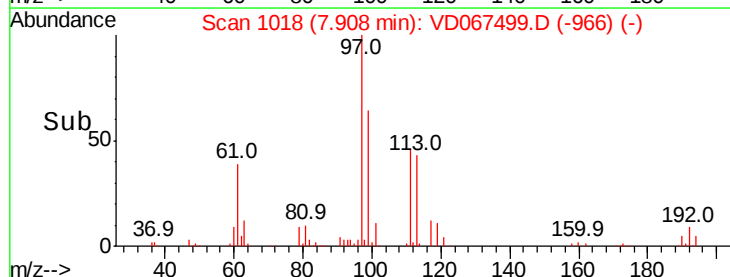
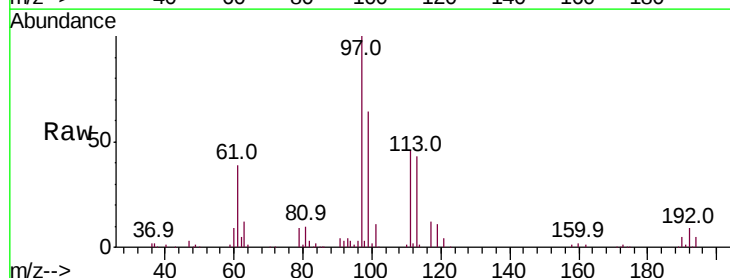
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

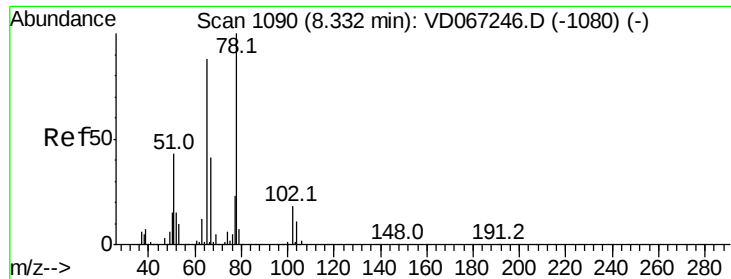
Tot Ion: 56 Resp: 129732
Ion Ratio Lower Upper
56 100
69 37.9 29.8 44.6
84 100.6 76.6 114.8



#32
1,1,1-Trichloroethane
Concen: 52.654 ug/l
RT: 7.91 min Scan# 1018
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 97 Resp: 239058
Ion Ratio Lower Upper
97 100
99 65.2 50.2 75.4
61 38.2 30.5 45.7





#33

1,2-Dichloroethane-d4

Concen: 49.586 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

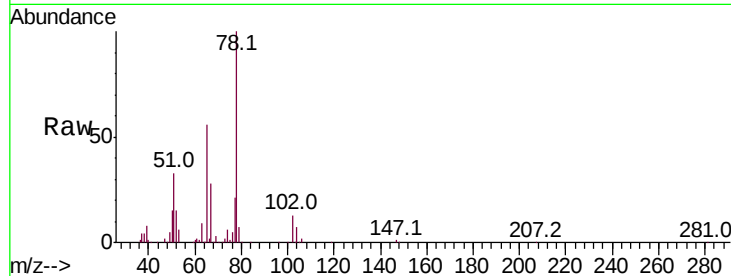
VSTDCCC050EC

Tot Ion: 65 Resp: 130201

Ion Ratio Lower Upper

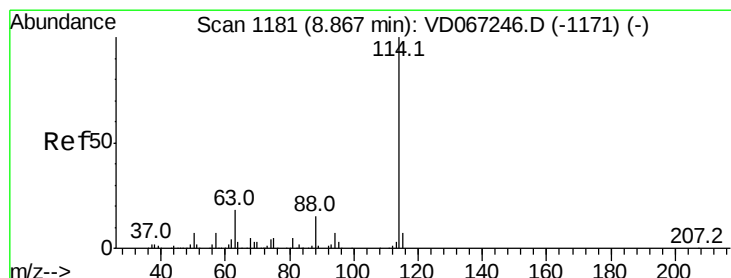
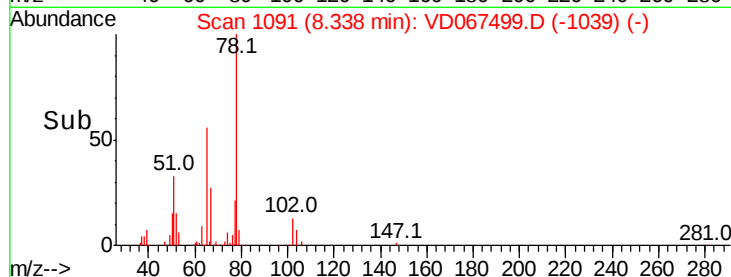
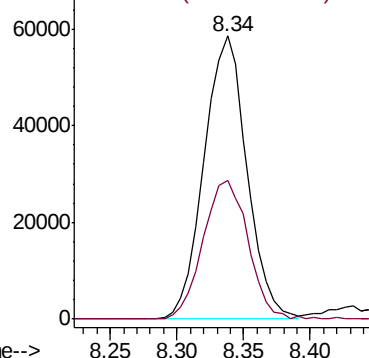
65 100

67 51.4 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1181

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

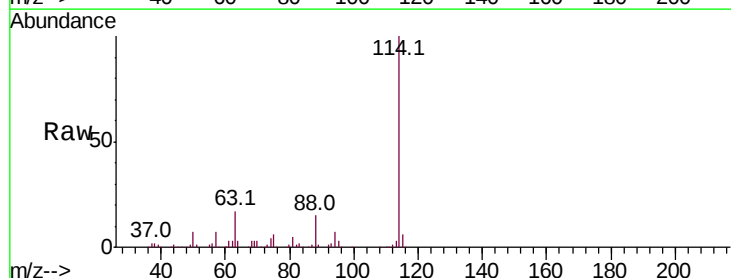
Tgt Ion: 114 Resp: 404435

Ion Ratio Lower Upper

114 100

63 16.5 0.0 35.0

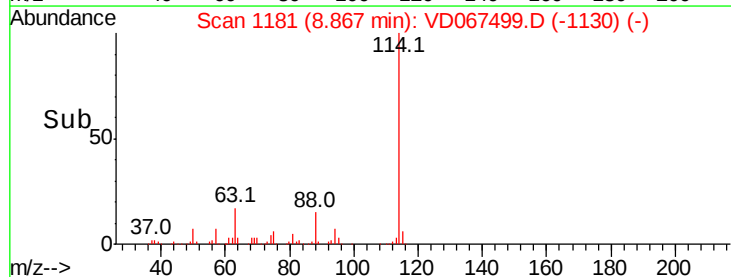
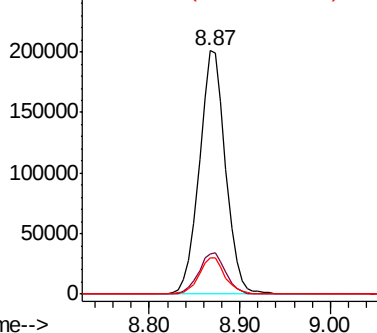
88 14.7 0.0 30.6

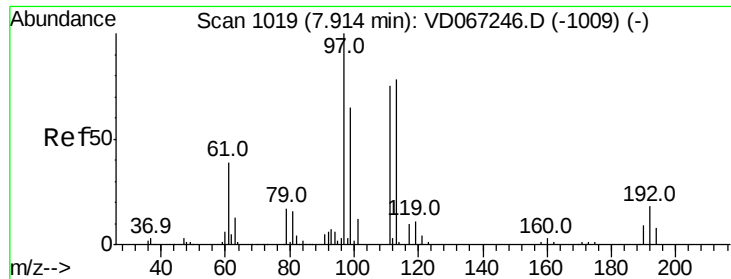


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

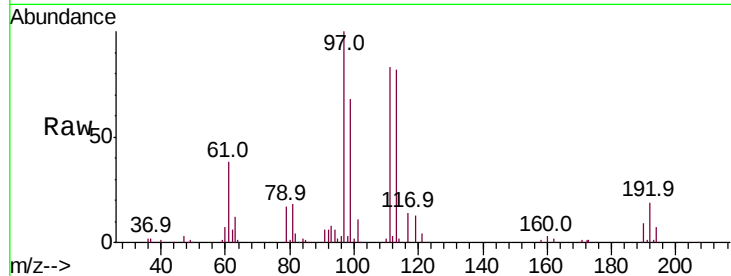




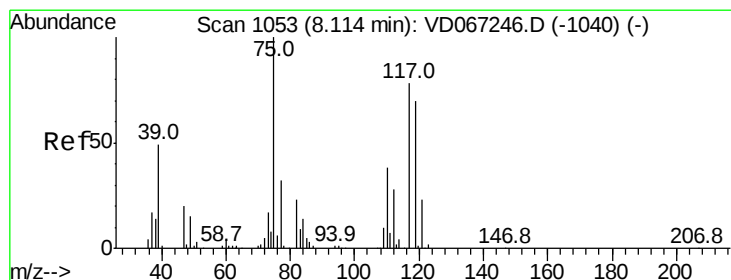
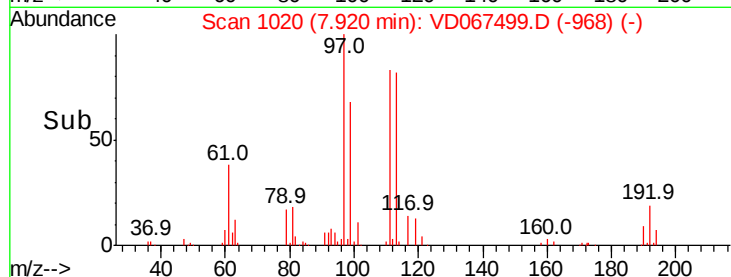
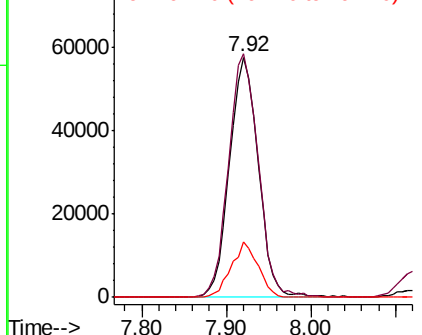
#35
Dibromofluoromethane
Concen: 50.194 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:113 Resp: 135097
Ion Ratio Lower Upper
113 100
111 104.3 81.6 122.4
192 21.4 17.0 25.4

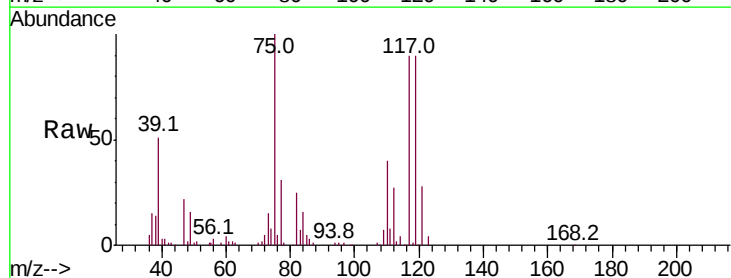


Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V

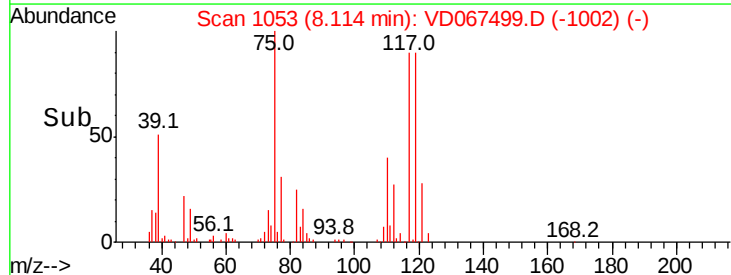
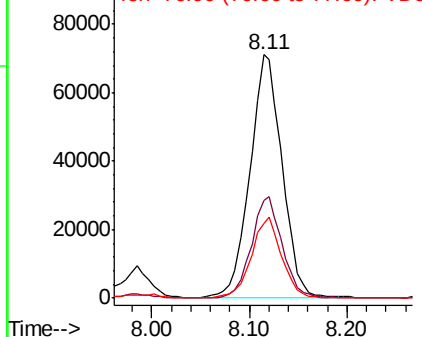


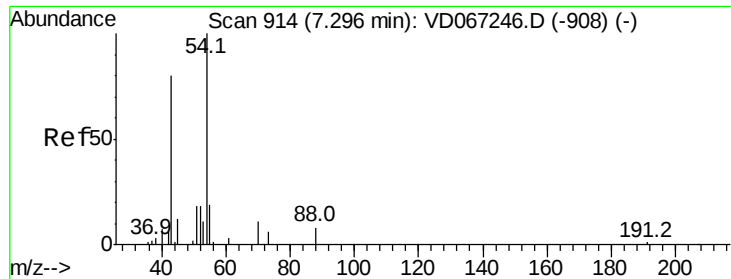
#36
1,1-Dichloropropene
Concen: 48.126 ug/l
RT: 8.11 min Scan# 1053
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 75 Resp: 164970
Ion Ratio Lower Upper
75 100
110 39.8 19.6 58.7
77 31.2 24.6 37.0



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

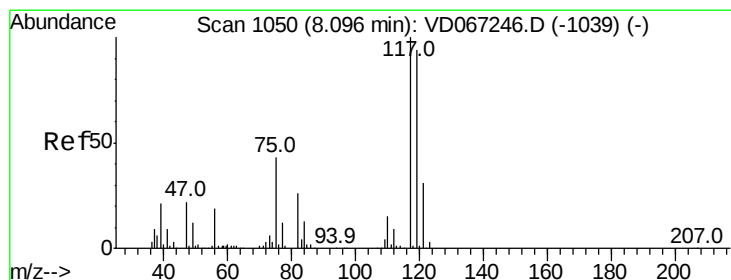
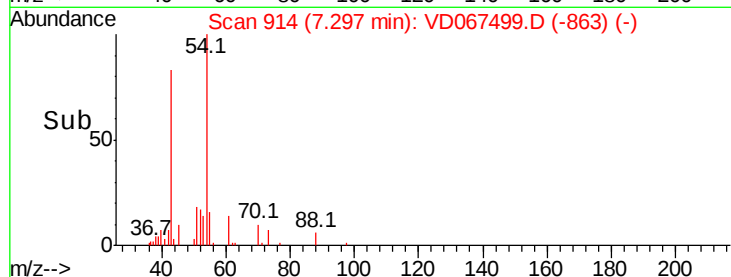
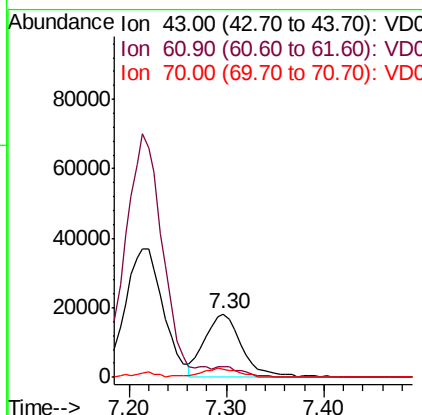
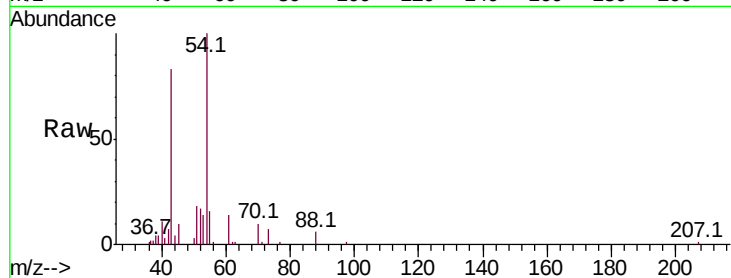




#37
Ethyl Acetate
Concen: 47.830 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

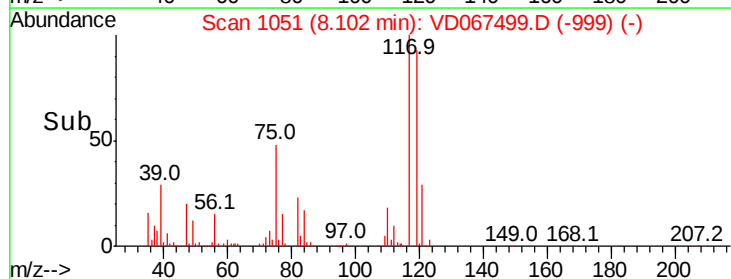
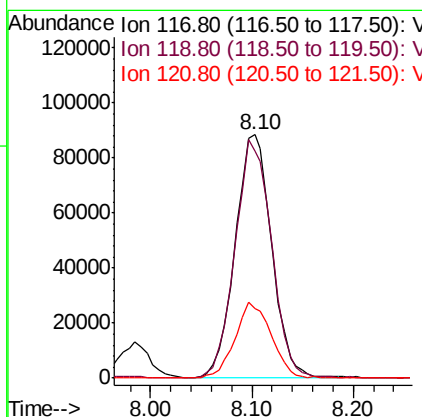
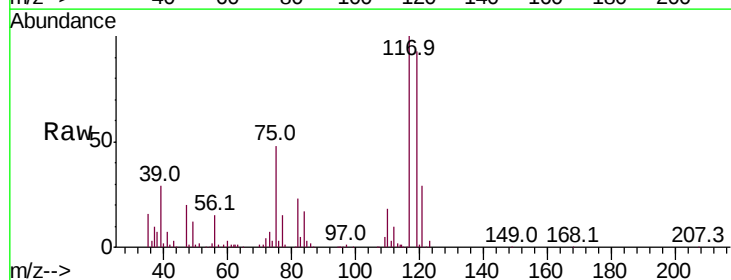
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

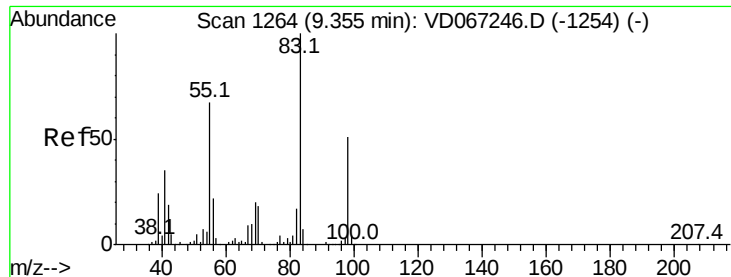
Tot Ion: 43 Resp: 48238
Ion Ratio Lower Upper
43 100
61 0.0 15.6 23.4#
70 13.7 10.4 15.6



#38
Carbon Tetrachloride
Concen: 50.421 ug/l
RT: 8.10 min Scan# 1051
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 117 Resp: 220900
Ion Ratio Lower Upper
117 100
119 93.0 75.0 112.4
121 28.5 24.9 37.3

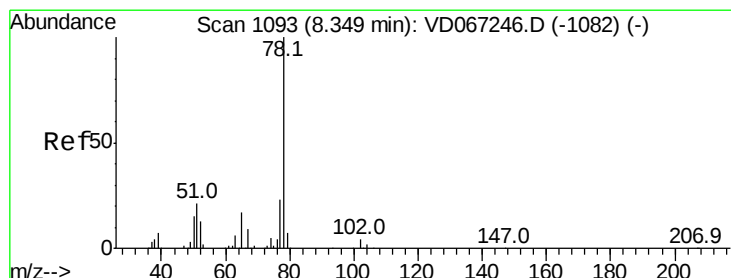
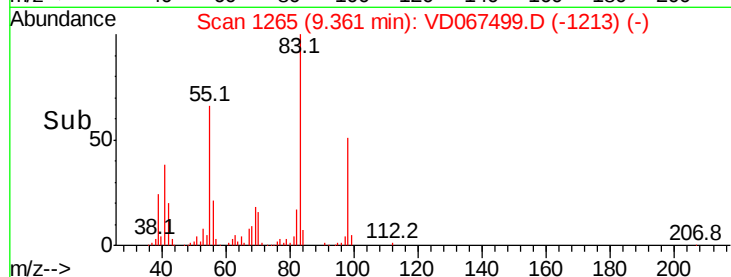
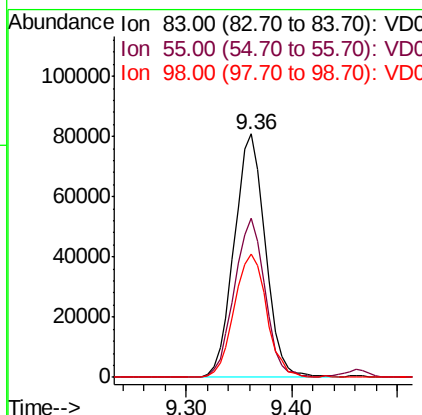
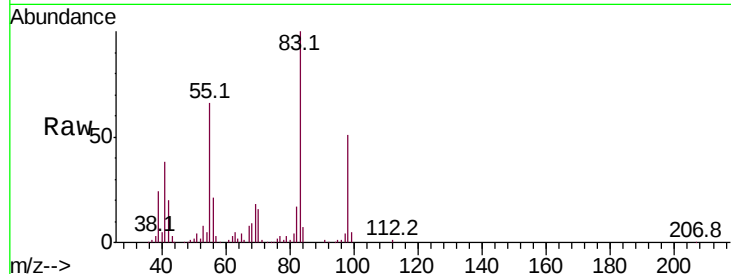




#39
Methvlcvclohexane
Concen: 46.054 ug/l
RT: 9.36 min Scan# 1265
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

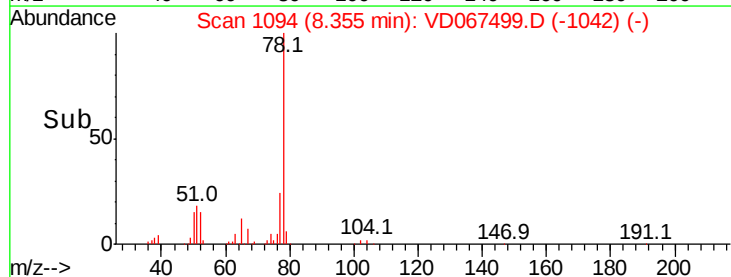
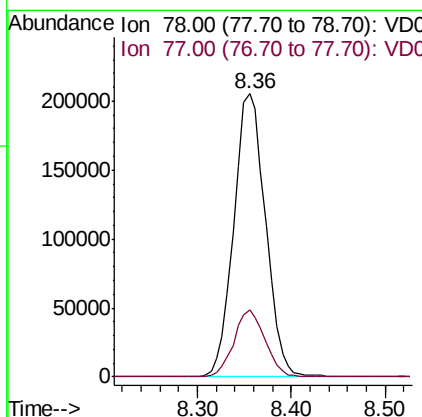
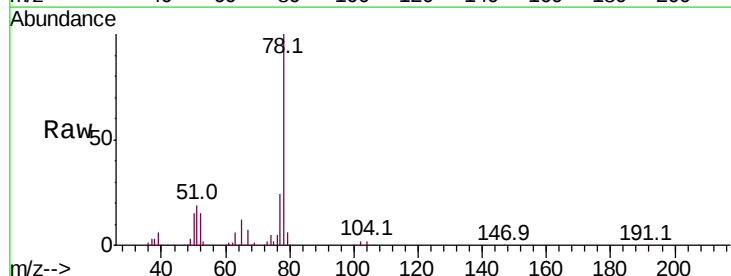
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

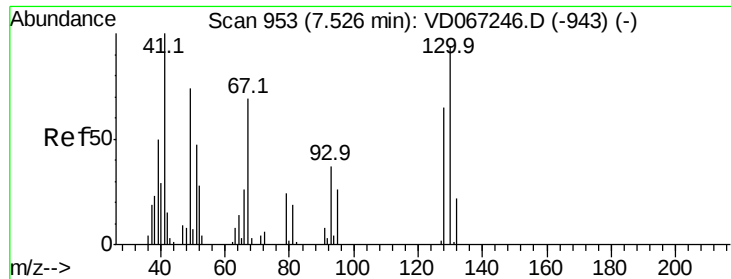
Tot Ion	83	Resp	165037
Ion	Ratio	Lower	Upper
83	100		
55	65.6	53.3	79.9
98	50.8	41.0	61.4



#40
Benzene
Concen: 51.147 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion	78	Resp	480982
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.3	27.5

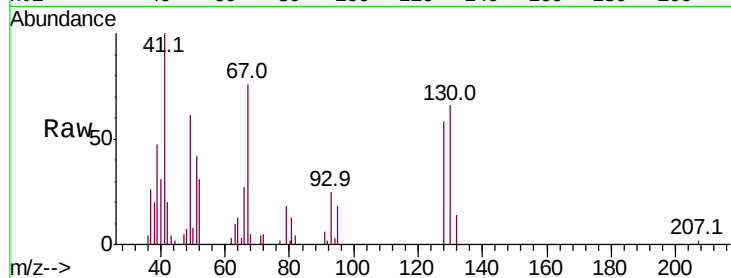




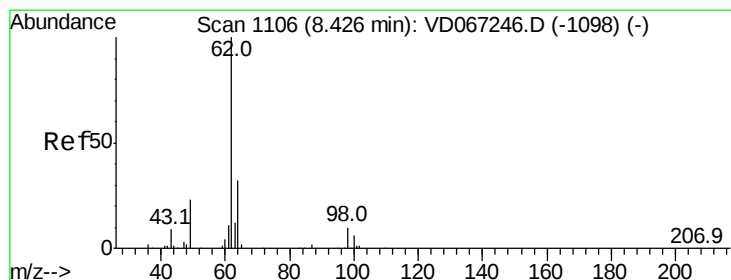
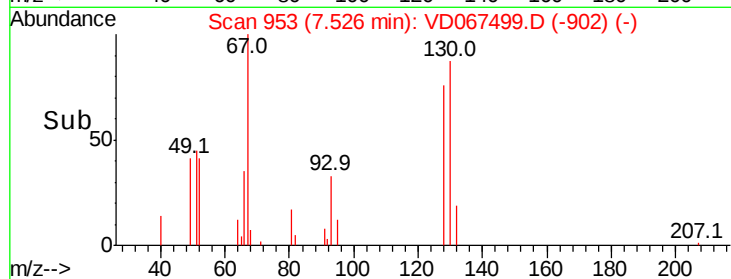
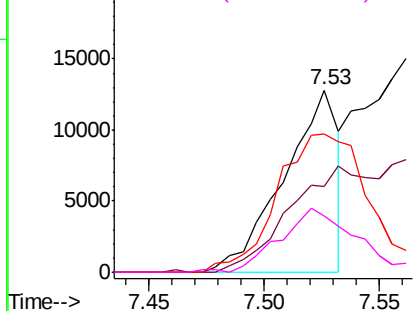
#41
Methacrylonitrile
Concen: 38.681 ug/l
RT: 7.53 min Scan# 953
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:	41	Resp:	21081
Ion	Ratio	Lower	Upper
41	100		
39	90.9	60.0	90.0#
67	128.0	88.9	133.3
52	50.5	36.9	55.3

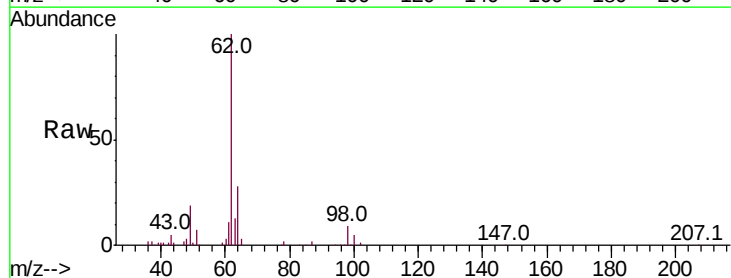


Abundance Ion 41.00 (40.70 to 41.70): VDC
Ion 39.00 (38.70 to 39.70): VDC
Ion 67.00 (66.70 to 67.70): VDC
Ion 52.00 (51.70 to 52.70): VDC

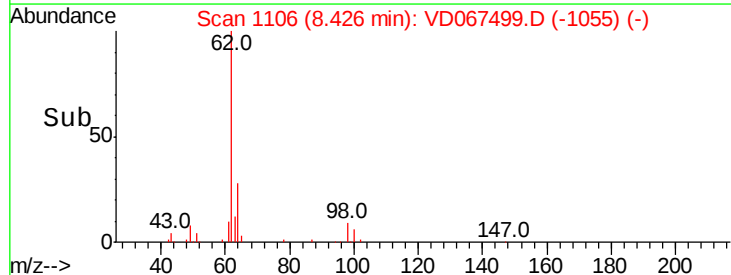
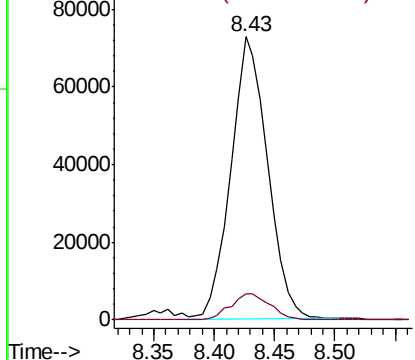


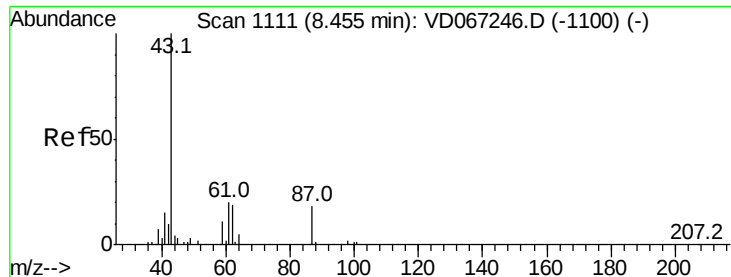
#42
1,2-Dichloroethane
Concen: 52.378 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion:	62	Resp:	154144
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VDC
Ion 97.90 (97.60 to 98.60): VDC





#43

Isopropyl Acetate

Concen: 48.159 ug/l

RT: 8.46 min Scan# 1111

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

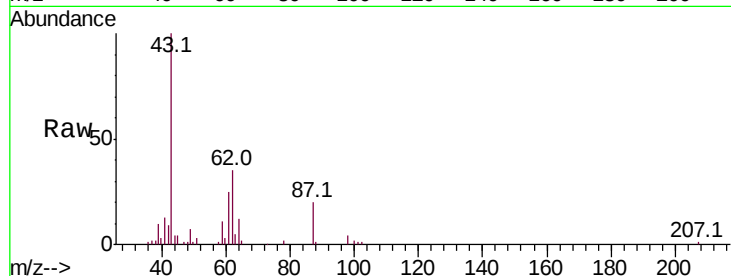
Tot Ion: 43 Resp: 96376

Ion Ratio Lower Upper

43 100

61 38.0 29.5 44.3

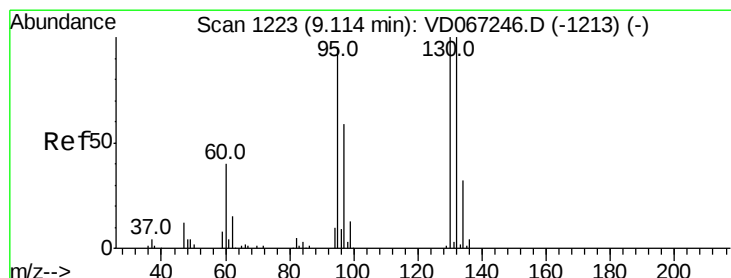
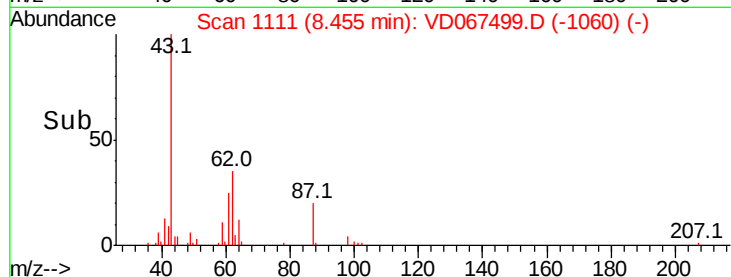
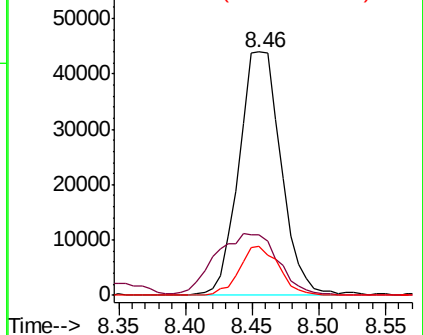
87 18.8 14.2 21.4



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 61.00 (60.70 to 61.70): VDC

Ion 87.00 (86.70 to 87.70): VDC



#44

Trichloroethene

Concen: 51.312 ug/l

RT: 9.12 min Scan# 1224

Delta R.T. 0.01 min

Lab File: VD067499.D

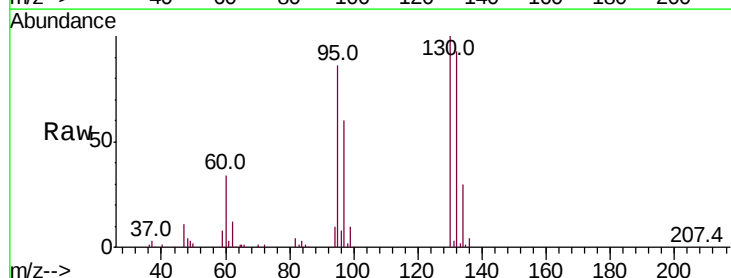
Acq: 02 Nov 2020 18:41

Tgt Ion:130 Resp: 154497

Ion Ratio Lower Upper

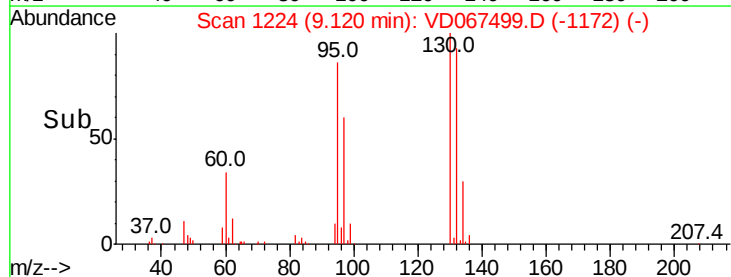
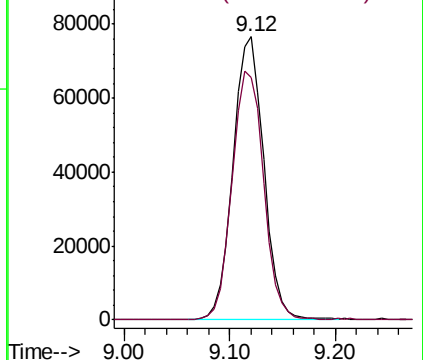
130 100

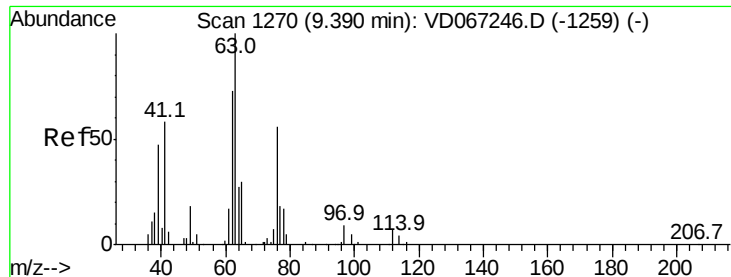
95 85.8 0.0 190.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VDC





#45

1,2-Dichloropropane

Concen: 49.584 ug/l

RT: 9.39 min Scan# 1270

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

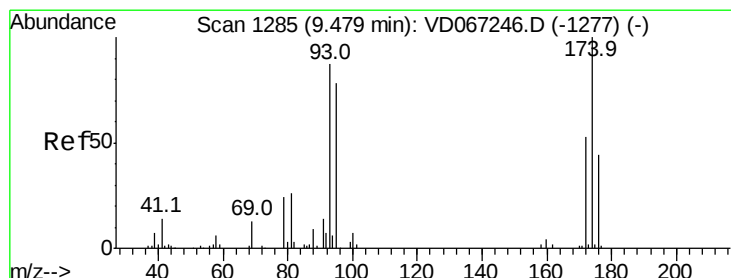
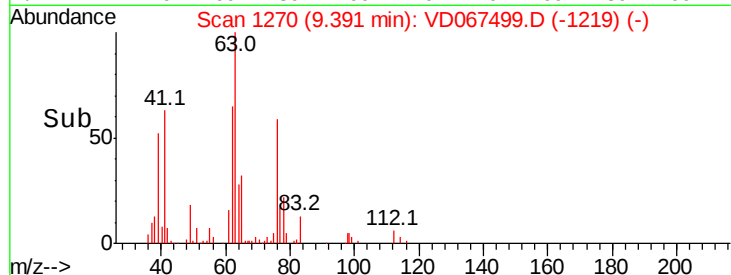
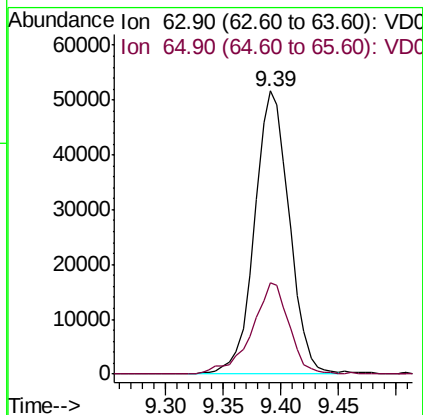
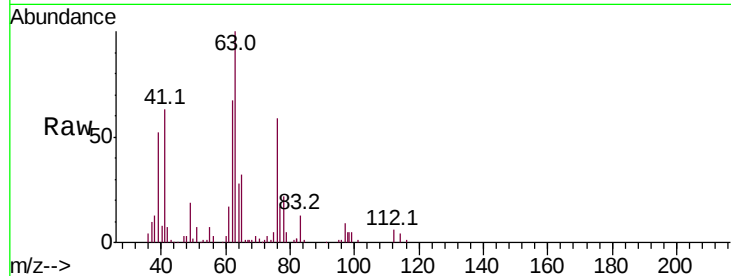
VSTDCCC050EC

Tot Ion: 63 Resp: 108066

Ion Ratio Lower Upper

63 100

65 32.1 24.6 36.8



#46

Dibromomethane

Concen: 50.557 ug/l

RT: 9.48 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

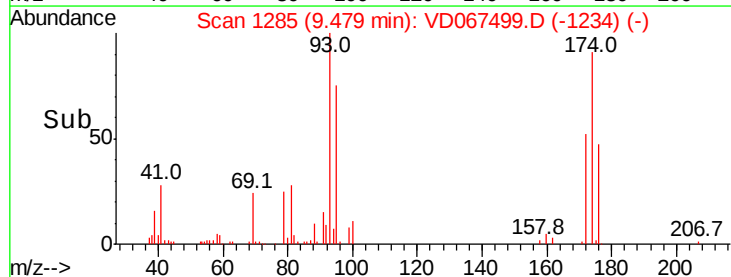
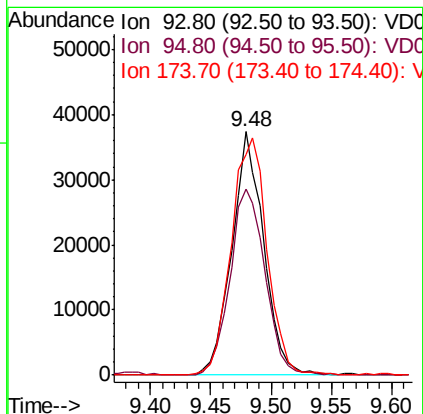
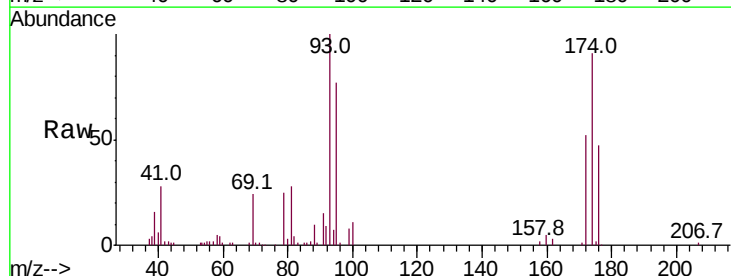
Tgt Ion: 93 Resp: 68651

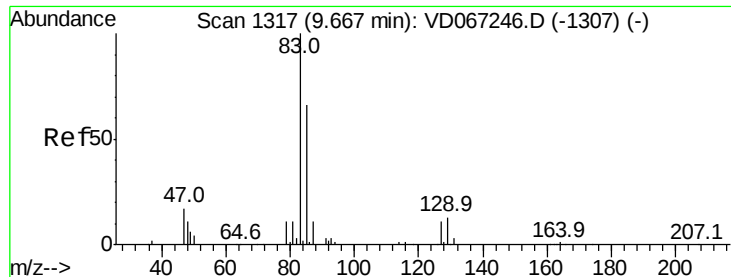
Ion Ratio Lower Upper

93 100

95 83.9 68.0 102.0

174 110.0 91.8 137.6





#47

Bromodichloromethane

Concen: 52.875 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

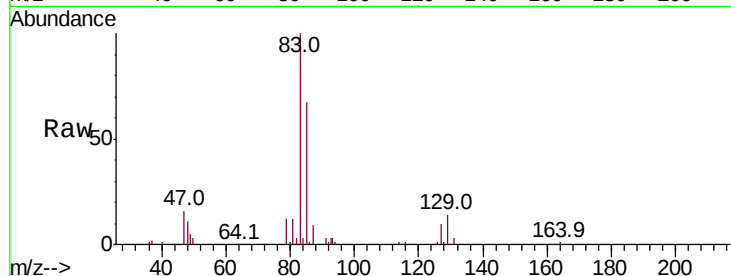
Tot Ion: 83 Resp: 192367

Ion Ratio Lower Upper

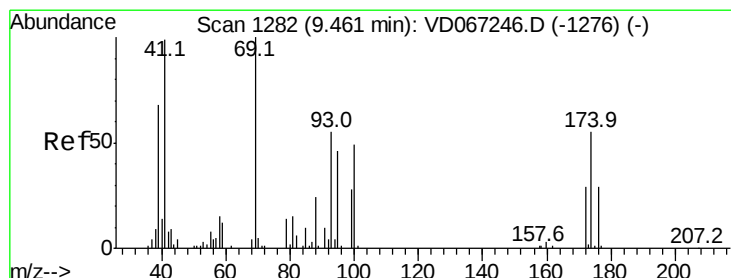
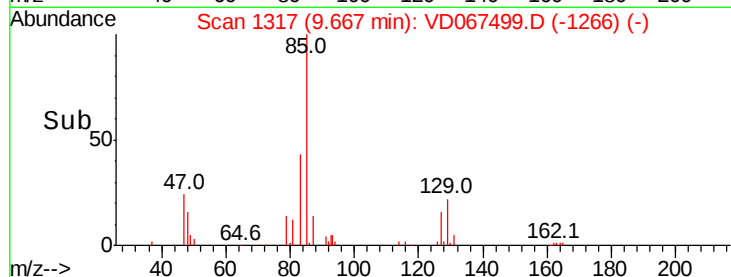
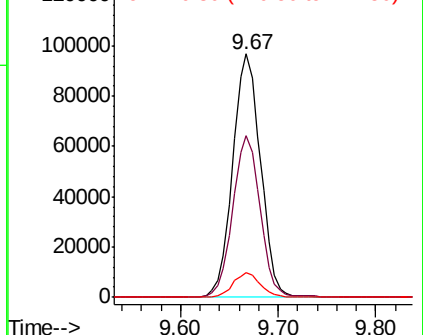
83 100

85 66.6 53.1 79.7

127 10.3 8.6 13.0



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: 48.169 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

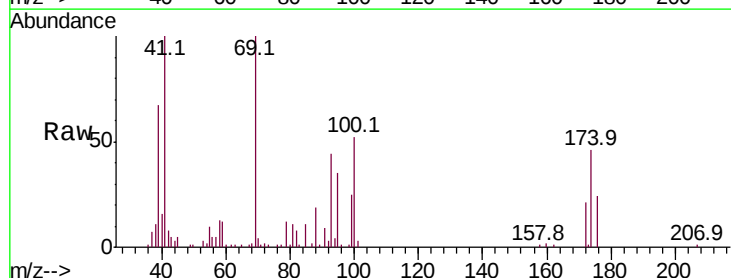
Tgt Ion: 41 Resp: 46845

Ion Ratio Lower Upper

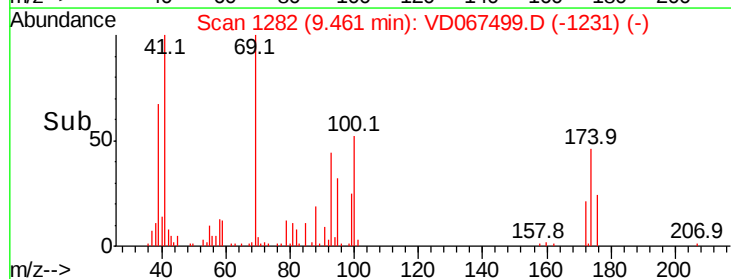
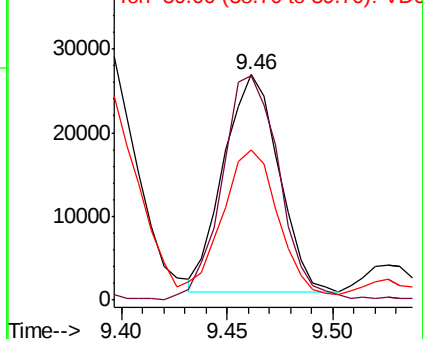
41 100

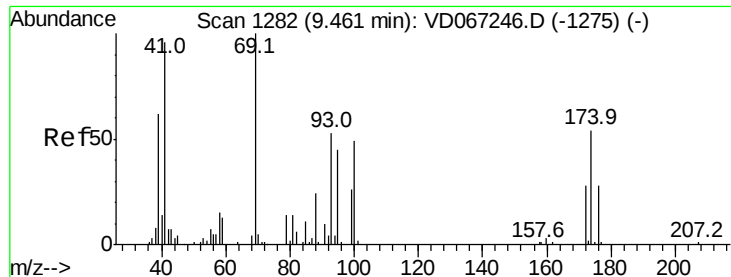
69 108.2 89.0 133.6

39 73.4 60.2 90.2



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: 897.280 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

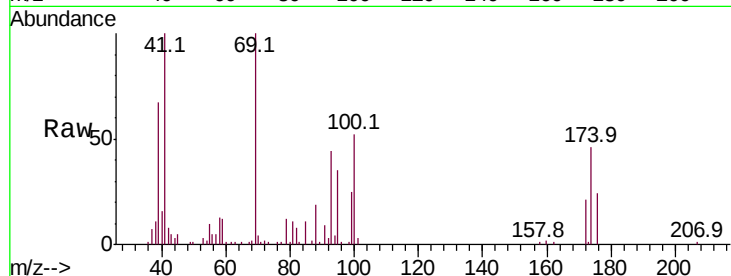
Tot Ion: 88 Resp: 11832

Ion Ratio Lower Upper

88 100

43 30.4 23.9 35.9

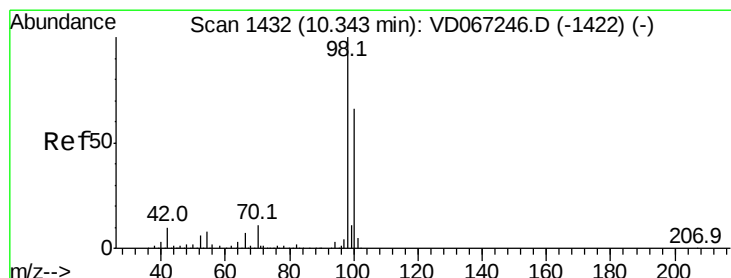
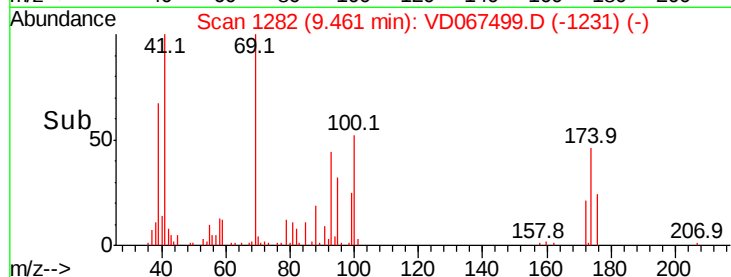
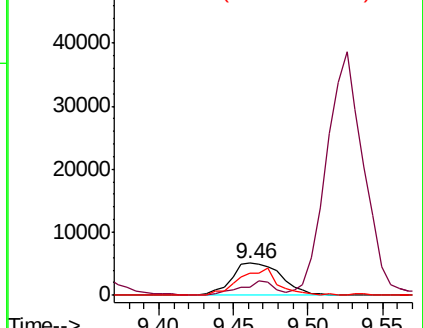
58 65.6 51.0 76.6



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.647 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067499.D

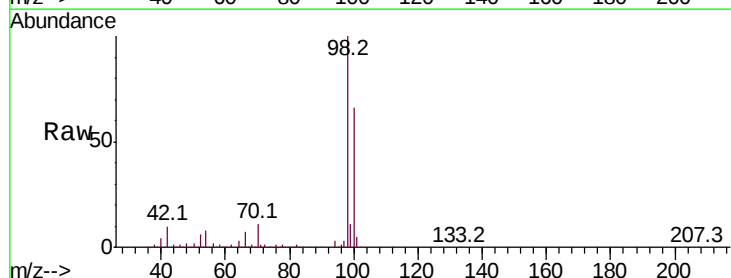
Acq: 02 Nov 2020 18:41

Tgt Ion: 98 Resp: 473840

Ion Ratio Lower Upper

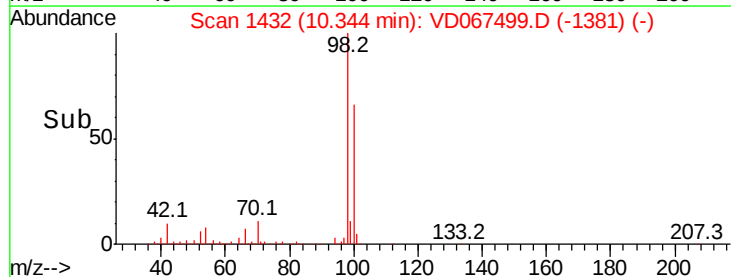
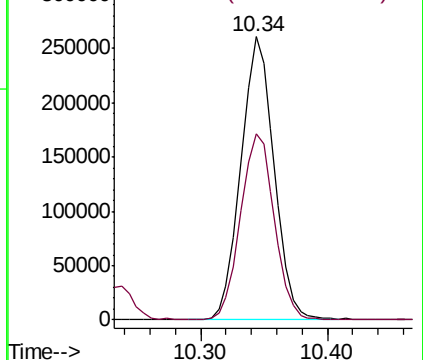
98 100

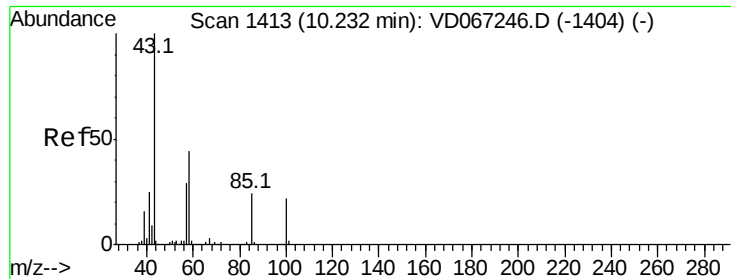
100 66.8 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

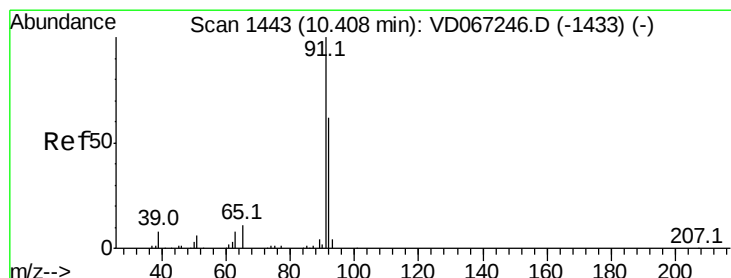
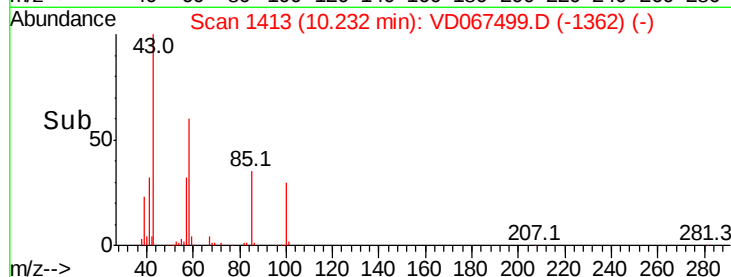
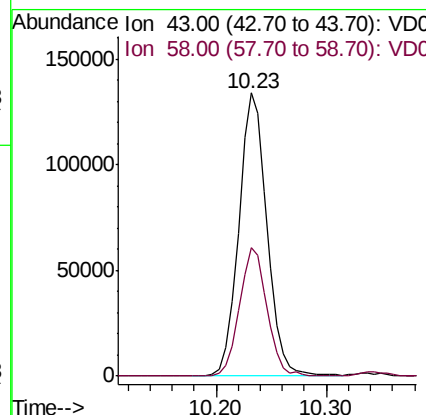
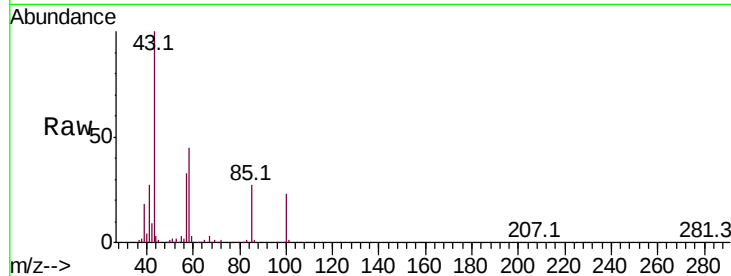




#51
 4-Methyl-2-Pentanone
 Concen: 240.369 ug/l
 RT: 10.23 min Scan# 1413
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

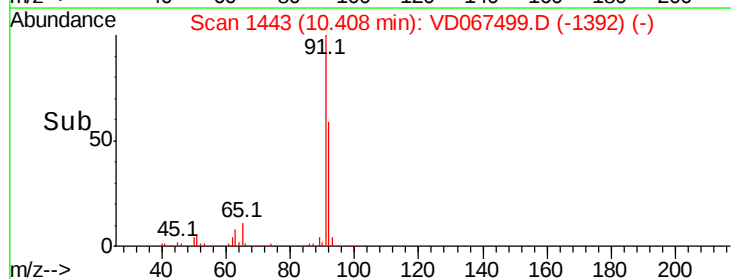
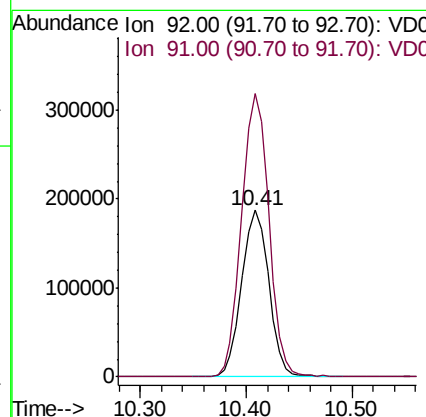
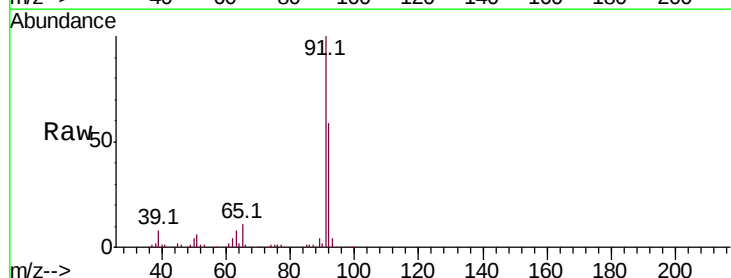
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

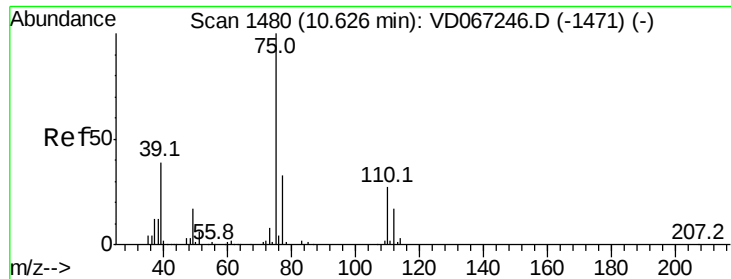
Tot Ion: 43 Resp: 239921
 Ion Ratio Lower Upper
 43 100
 58 44.3 35.7 53.5



#52
 Toluene
 Concen: 52.498 ug/l
 RT: 10.41 min Scan# 1443
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion: 92 Resp: 336249
 Ion Ratio Lower Upper
 92 100
 91 170.1 133.8 200.8

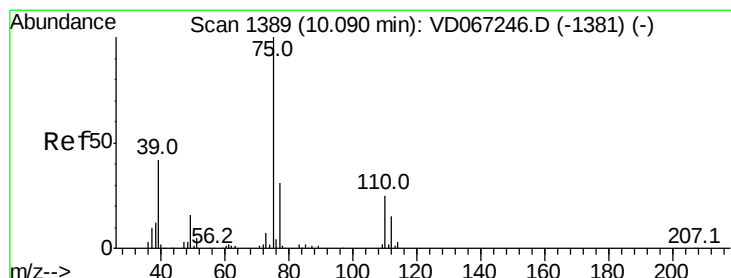
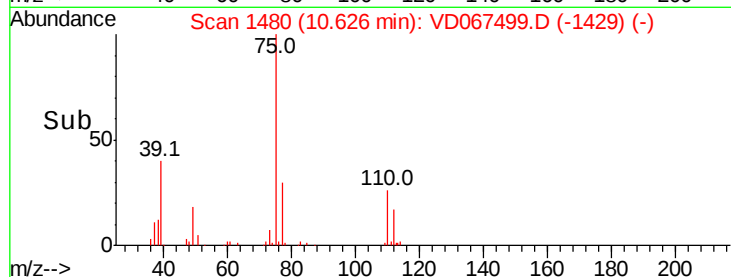
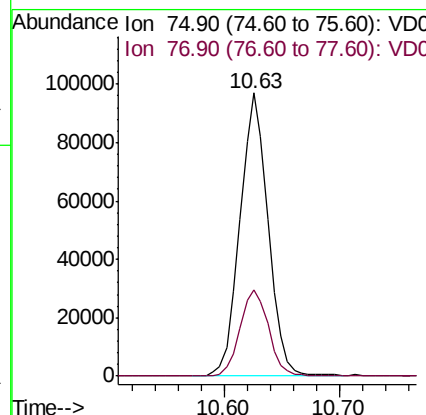
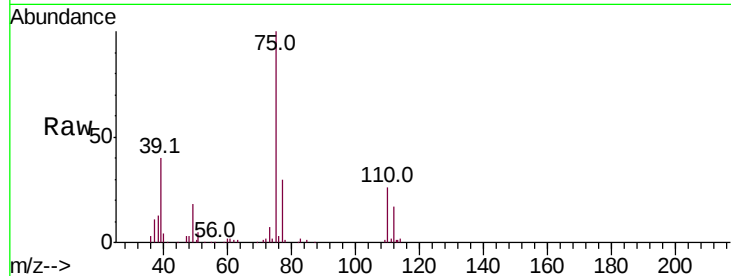




#53
t-1,3-Dichloropropene
Concen: 51.279 ug/l
RT: 10.63 min Scan# 1480
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

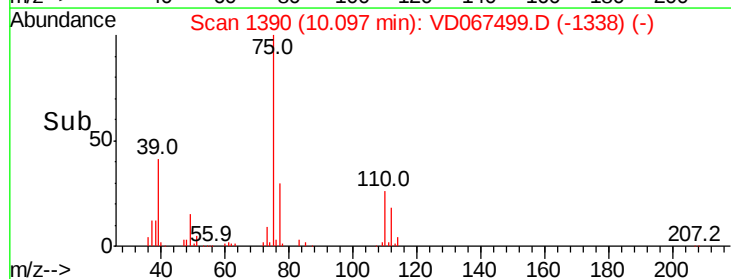
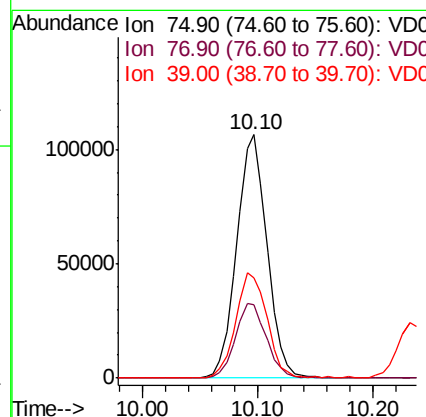
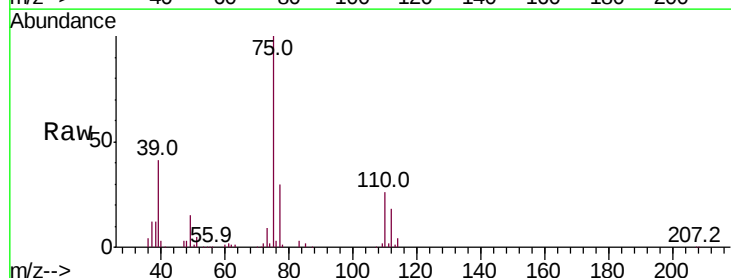
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

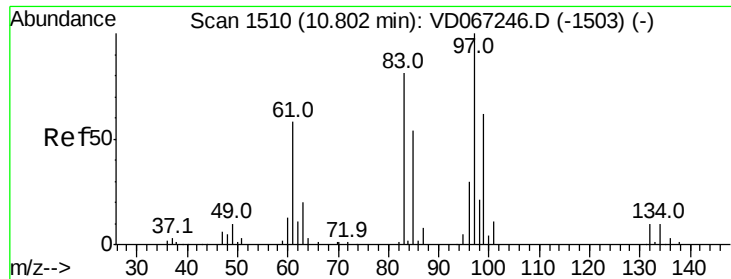
Tot Ion: 75 Resp: 163883
Ion Ratio Lower Upper
75 100
77 30.5 26.5 39.7



#54
cis-1,3-Dichloropropene
Concen: 51.825 ug/l
RT: 10.10 min Scan# 1390
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 75 Resp: 193838
Ion Ratio Lower Upper
75 100
77 30.1 24.5 36.7
39 41.3 33.7 50.5

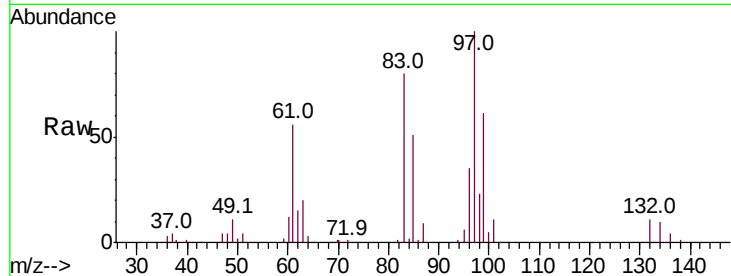




#55
 1,1,2-Trichloroethane
 Concen: 51.787 ug/l
 RT: 10.81 min Scan# 1511
 Delta R.T. 0.01 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion:	97	Resp:	95893
Ion	Ratio	Lower	Upper
97	100		
83	80.0	64.9	97.3
85	50.7	43.3	64.9
99	61.4	49.1	73.7



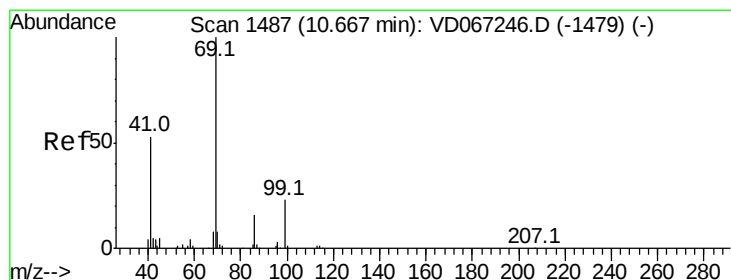
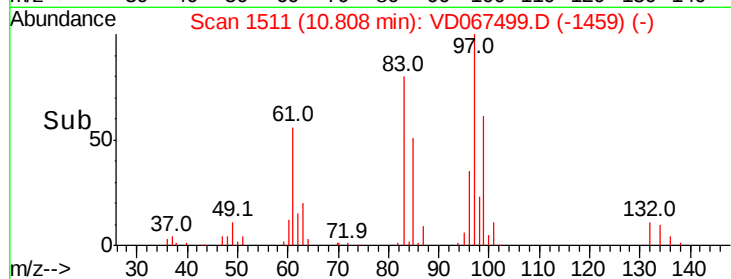
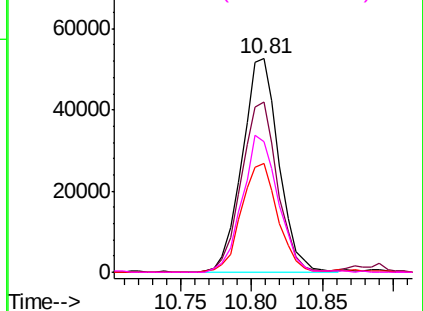
Abundance

Ion 96.90 (96.60 to 97.60): VDC

Ion 82.90 (82.60 to 83.60): VDC

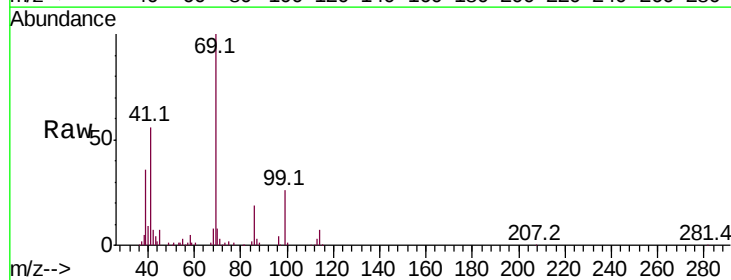
Ion 84.90 (84.60 to 85.60): VDC

Ion 98.90 (98.60 to 99.60): VDC



#56
 Ethyl methacrylate
 Concen: 50.459 ug/l
 RT: 10.67 min Scan# 1487
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion:	69	Resp:	96902
Ion	Ratio	Lower	Upper
69	100		
41	56.2	44.7	67.1
39	35.4	26.2	39.2

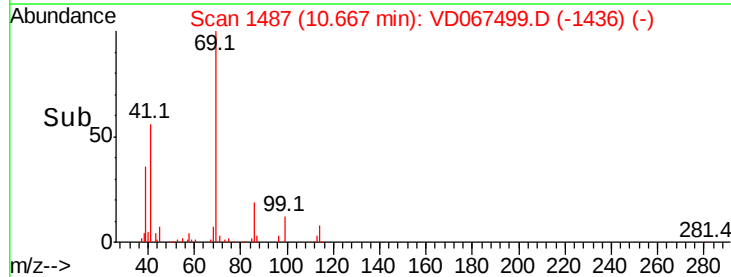
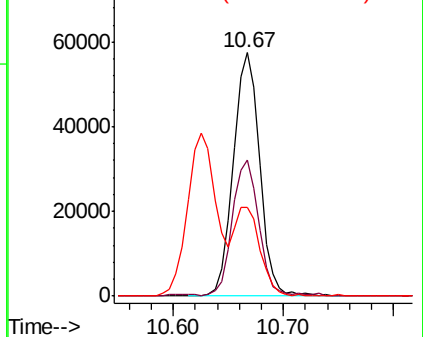


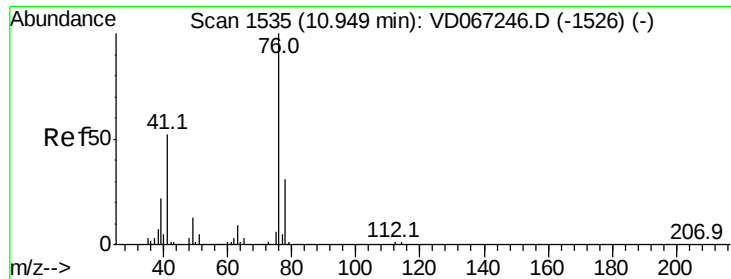
Abundance

Ion 69.00 (68.70 to 69.70): VDC

Ion 41.00 (40.70 to 41.70): VDC

Ion 39.00 (38.70 to 39.70): VDC





#57

1,3-Dichloropropane

Concen: 51.068 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

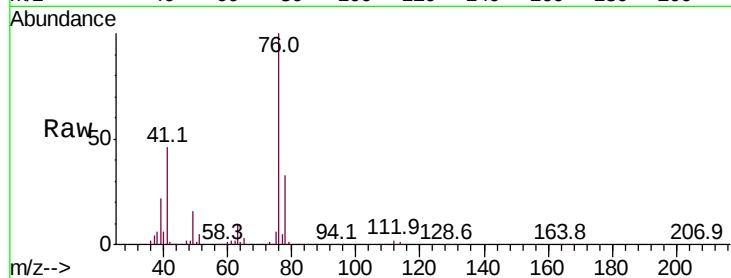
VSTDCCC050EC

Tot Ion: 76 Resp: 150488

Ion Ratio Lower Upper

76 100

78 32.7 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC

10.95

80000

60000

40000

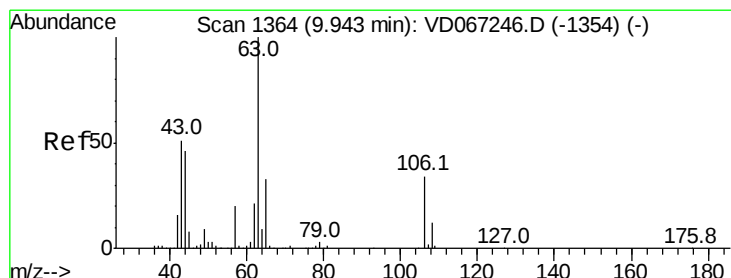
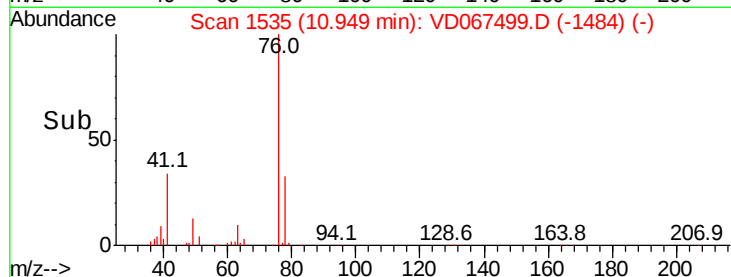
20000

0

Time-->

10.90

11.00



#58

2-Chloroethyl Vinyl ether

Concen: 248.534 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067499.D

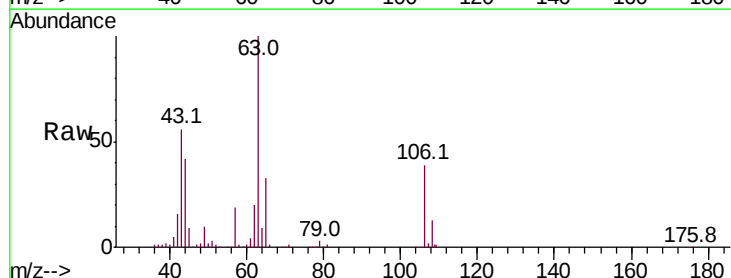
Acq: 02 Nov 2020 18:41

Tgt Ion: 63 Resp: 244846

Ion Ratio Lower Upper

63 100

106 37.7 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

150000

100000

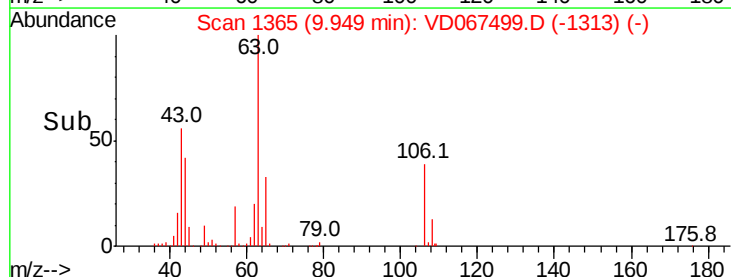
50000

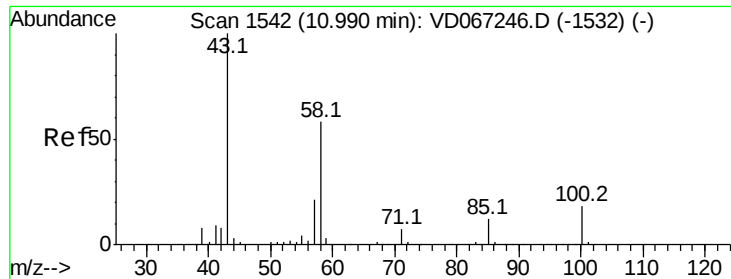
0

Time-->

9.90

10.00

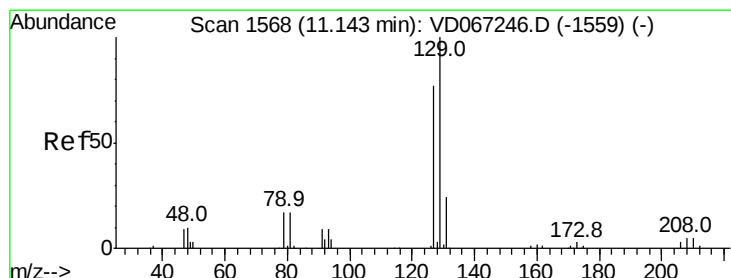
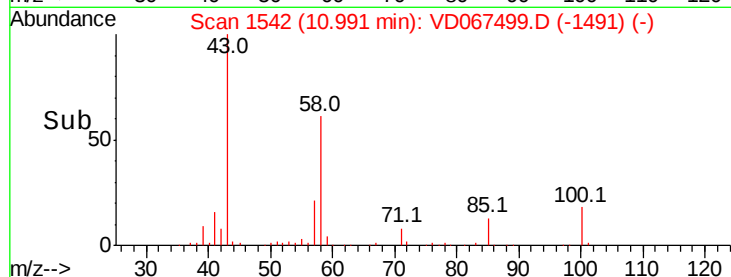
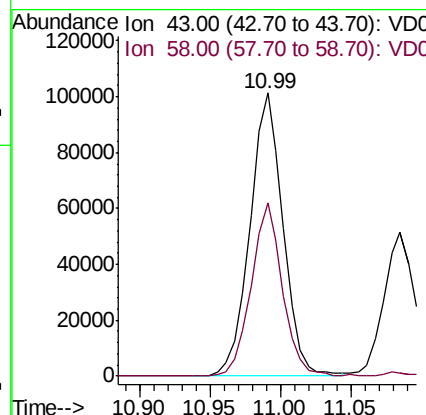
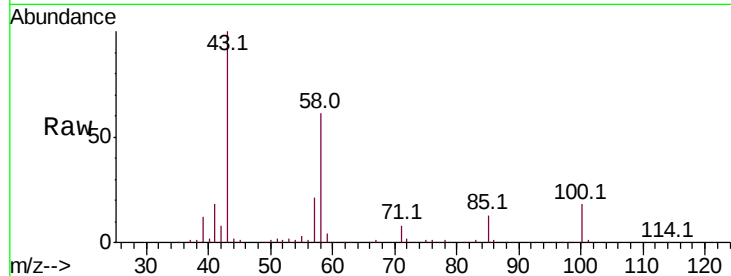




#59
2-Hexanone
Concen: 244.189 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

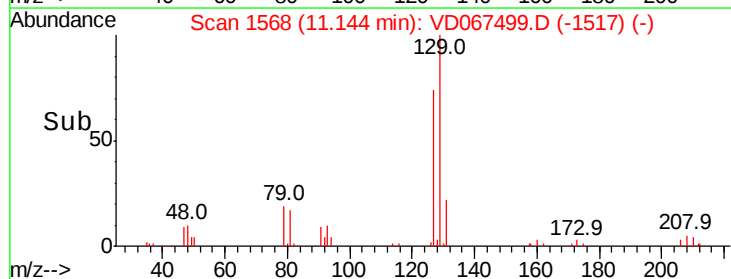
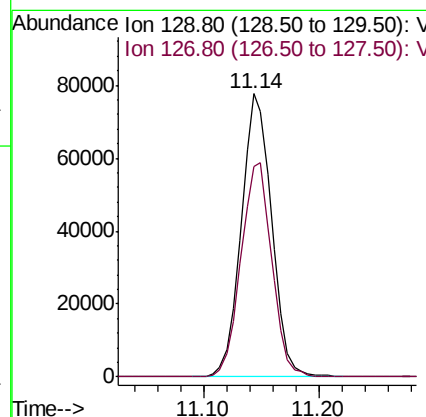
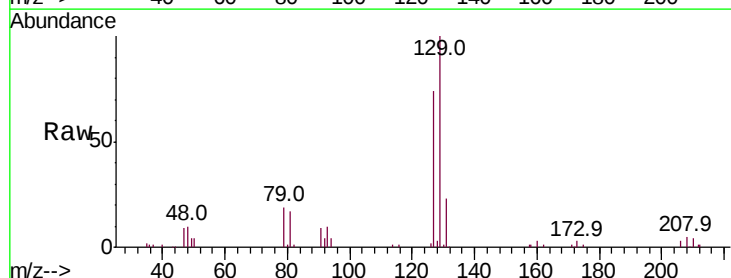
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

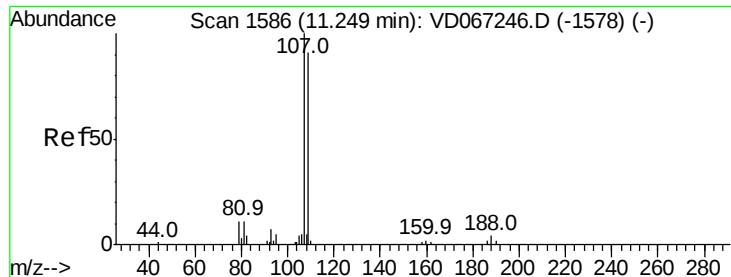
Tot Ion: 43 Resp: 166551
Ion Ratio Lower Upper
43 100
58 57.6 29.3 87.9



#60
Dibromochloromethane
Concen: 52.375 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 129 Resp: 141434
Ion Ratio Lower Upper
129 100
127 76.7 38.3 114.8

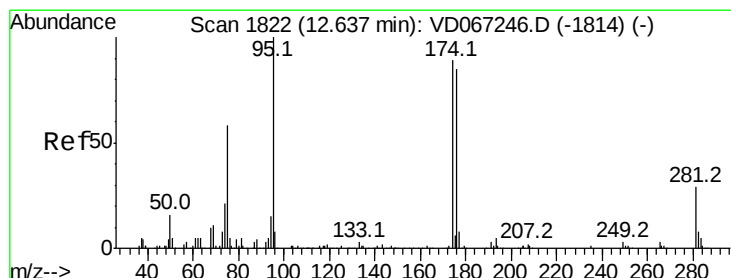
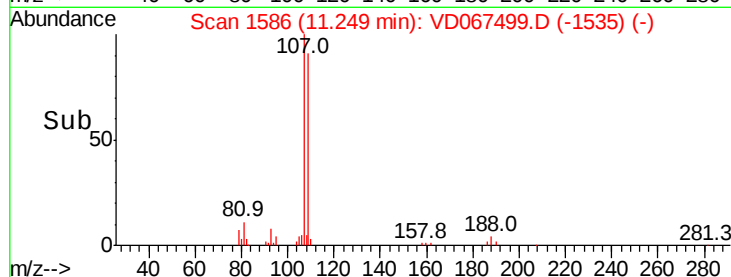
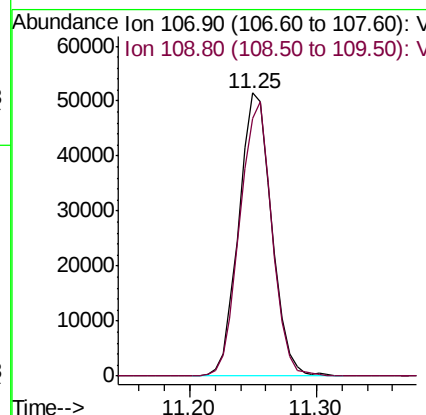
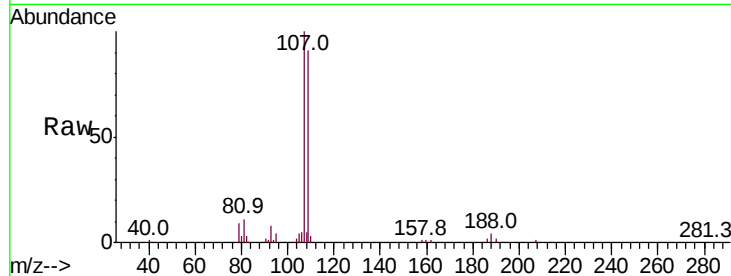




#61
 1,2-Dibromoethane
 Concen: 50.569 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

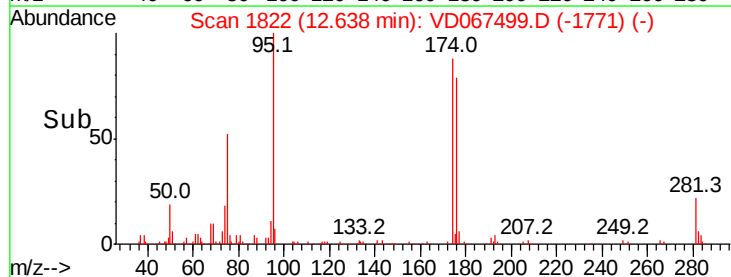
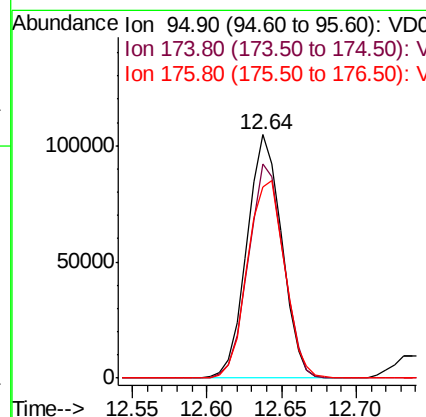
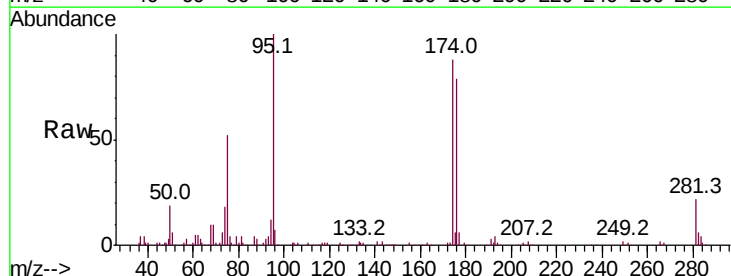
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

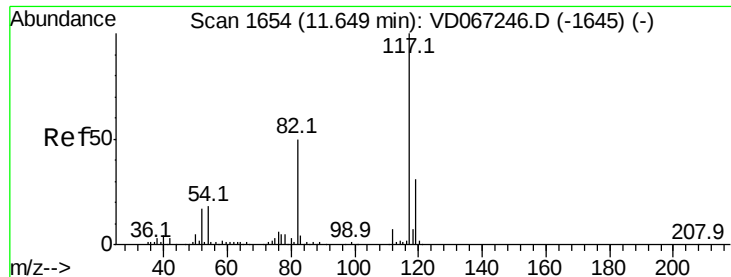
Tot Ion:107 Resp: 92314
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 49.865 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion: 95 Resp: 168889
 Ion Ratio Lower Upper
 95 100
 174 89.0 0.0 175.2
 176 86.9 0.0 168.6

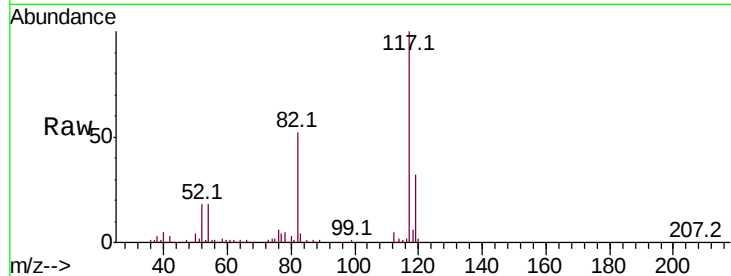




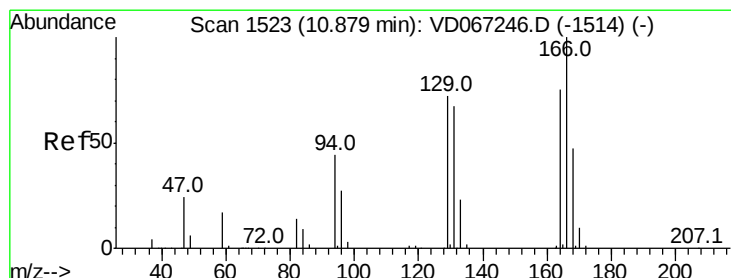
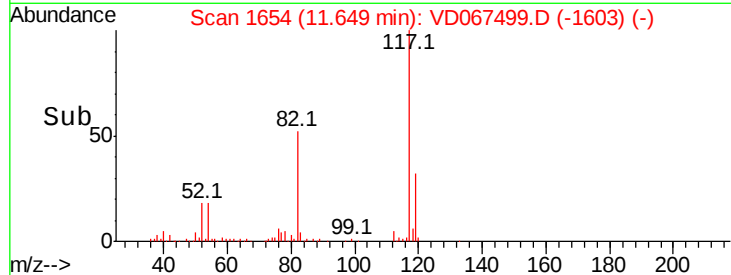
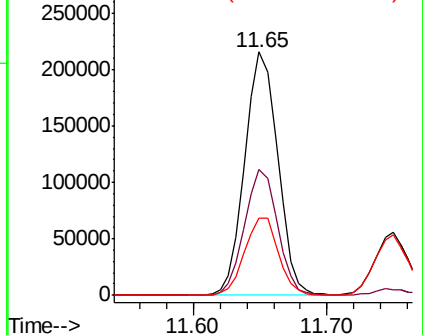
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:117 Resp: 369302
Ion Ratio Lower Upper
117 100
82 51.7 39.9 59.9
119 31.9 24.9 37.3

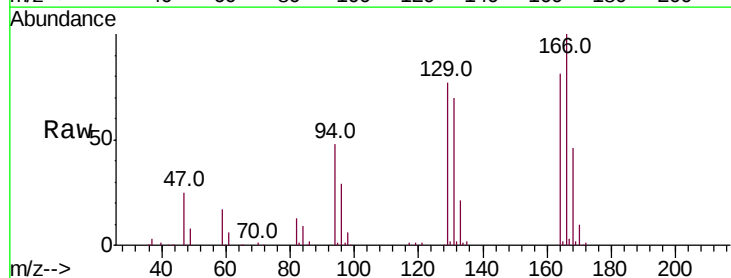


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

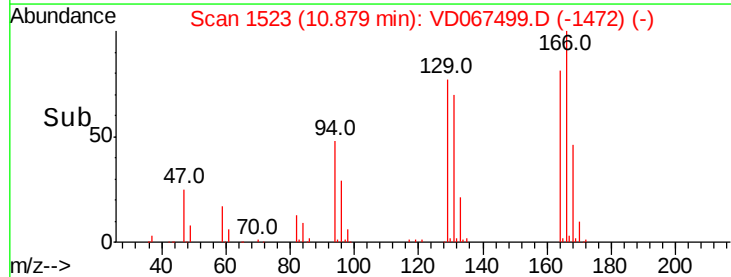
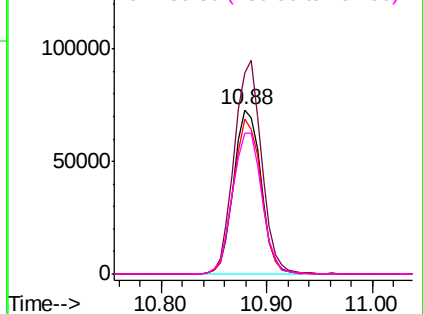


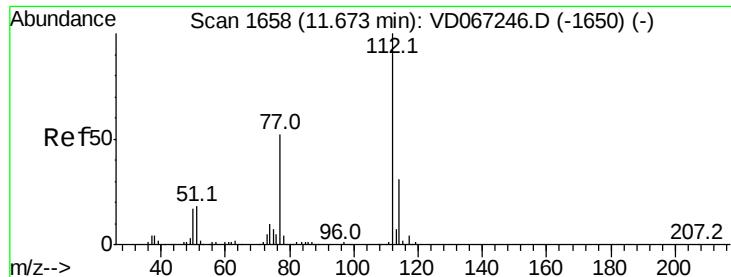
#64
Tetrachloroethene
Concen: 49.050 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion:164 Resp: 131243
Ion Ratio Lower Upper
164 100
166 122.8 107.3 160.9
129 94.4 77.3 115.9
131 85.6 71.4 107.2



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

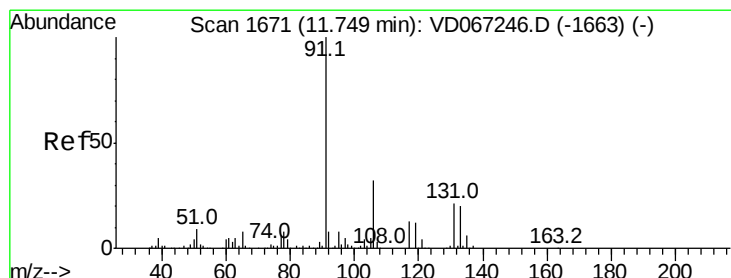
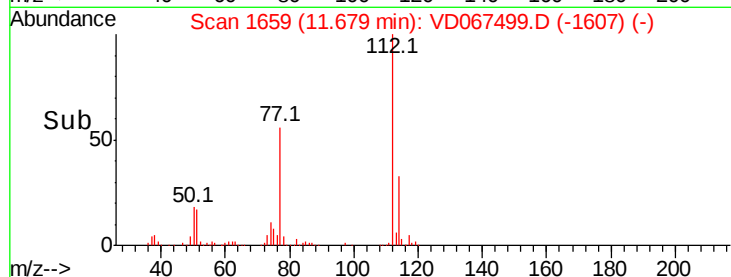
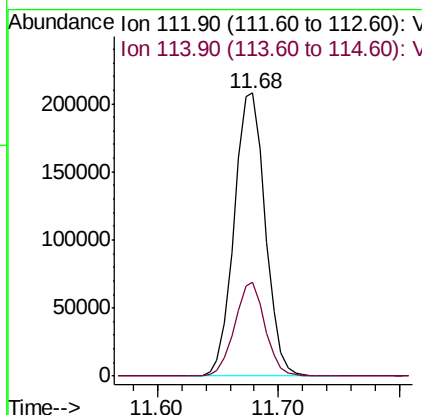
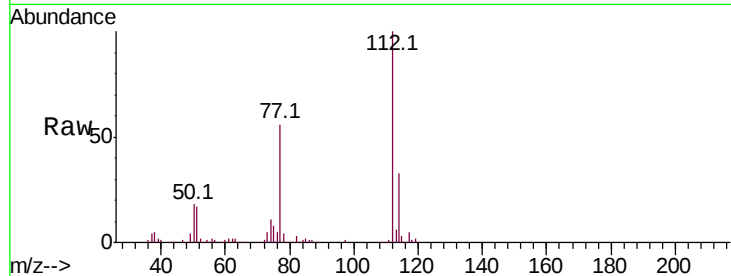




#65
Chlorobenzene
Concen: 52.841 ug/l
RT: 11.68 min Scan# 1659
Delta R.T. 0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

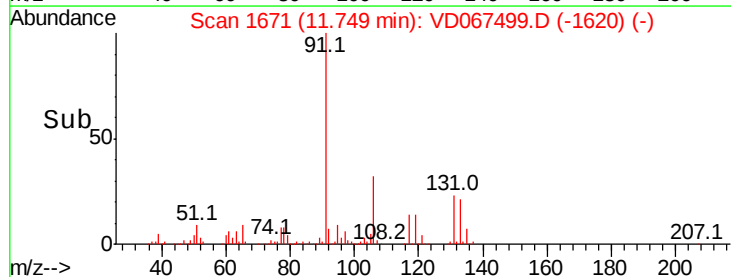
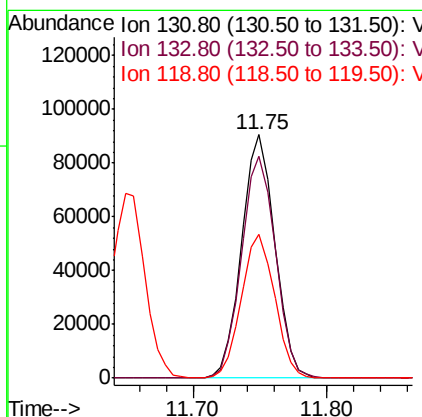
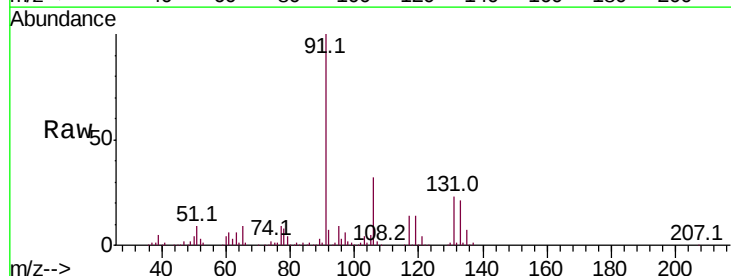
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

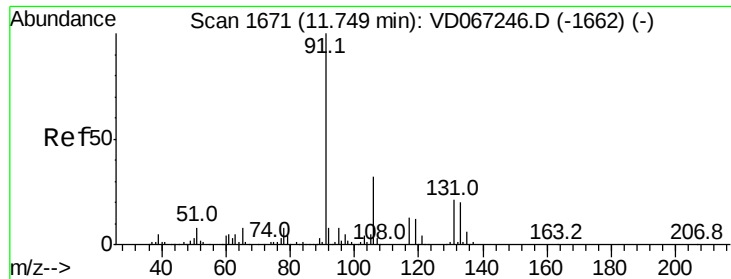
Tot Ion:112 Resp: 374205
Ion Ratio Lower Upper
112 100
114 33.2 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 55.304 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion:131 Resp: 155658
Ion Ratio Lower Upper
131 100
133 93.4 48.1 144.3
119 59.7 30.0 90.0





#67

Ethyl Benzene

Concen: 53.533 ug/l

RT: 11.75 min Scan# 1671

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

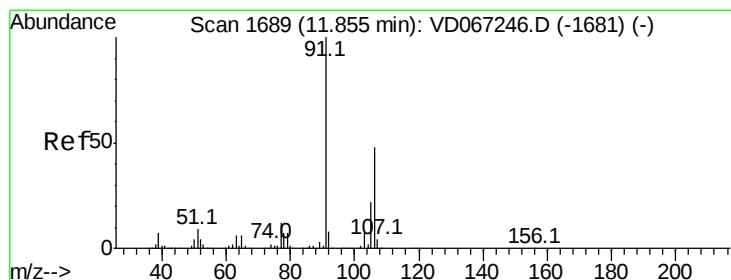
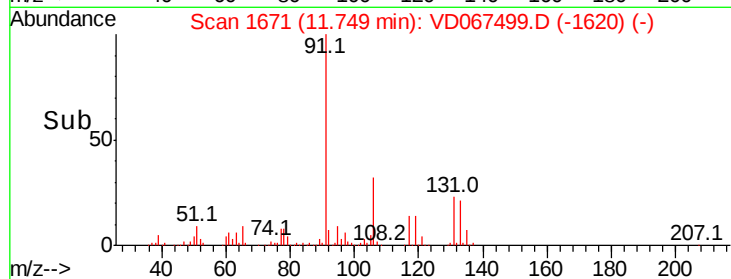
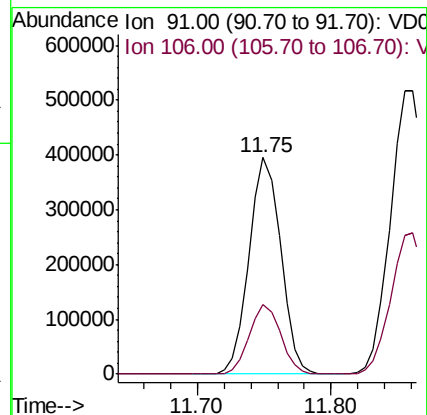
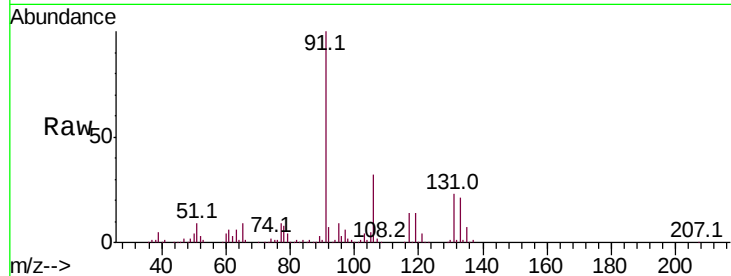
VSTDCCC050EC

Tot Ion: 91 Resp: 649860

Ion Ratio Lower Upper

91 100

106 32.1 25.4 38.0



#68

m/p-Xylenes

Concen: 106.998 ug/l

RT: 11.86 min Scan# 1690

Delta R.T. 0.01 min

Lab File: VD067499.D

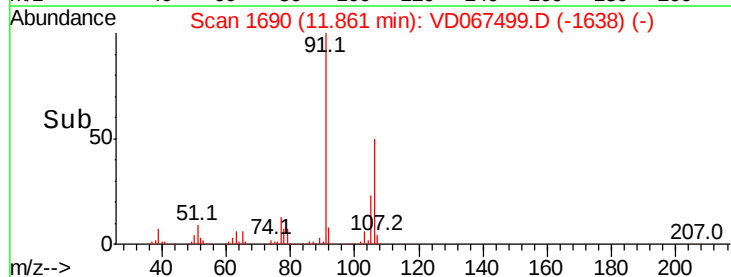
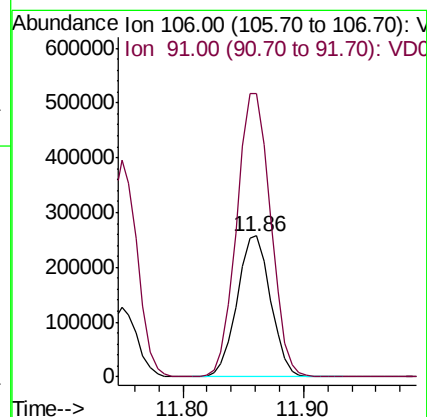
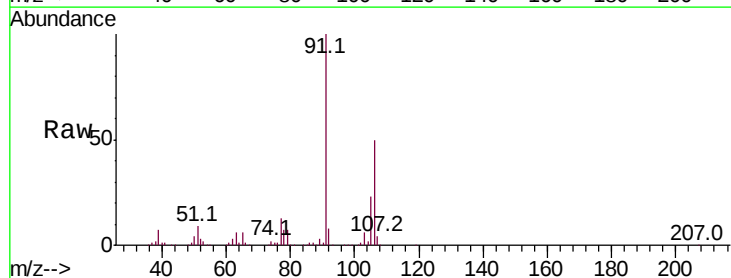
Acq: 02 Nov 2020 18:41

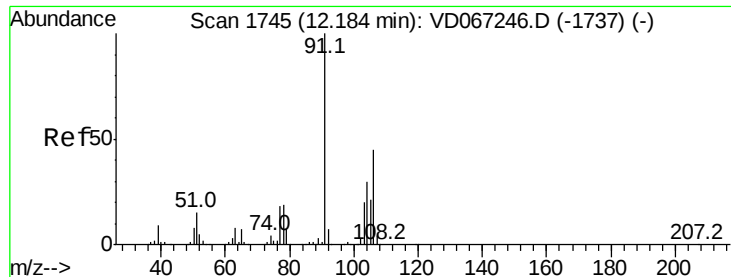
Tgt Ion: 106 Resp: 500185

Ion Ratio Lower Upper

106 100

91 203.1 163.8 245.8

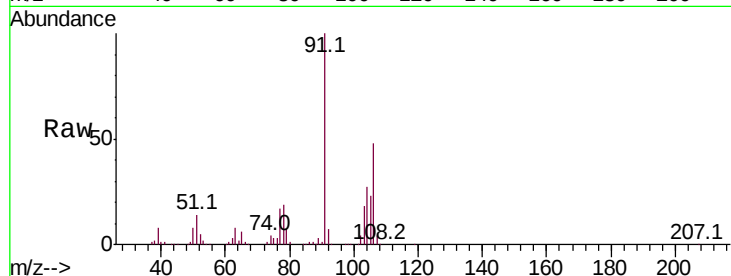




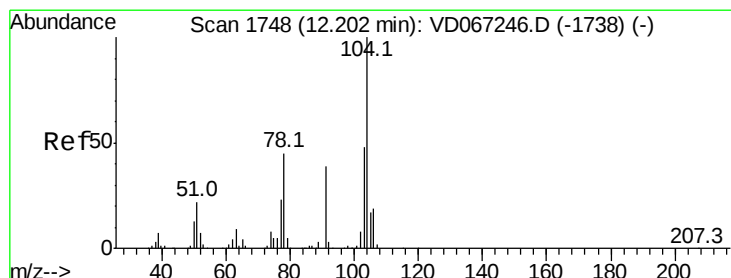
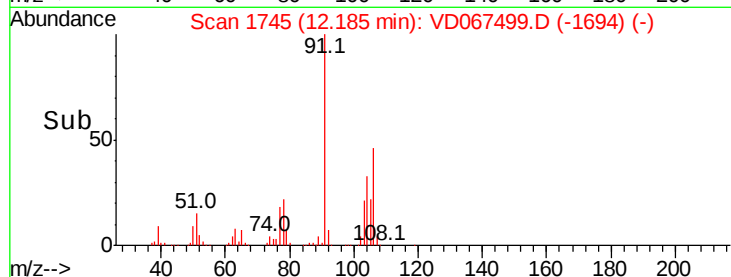
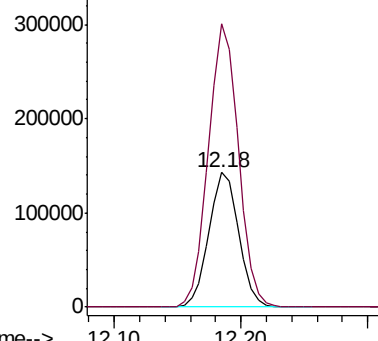
#69
o-Xylene
Concen: 53.706 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion:106 Resp: 232483
Ion Ratio Lower Upper
106 100
91 211.9 109.1 327.3

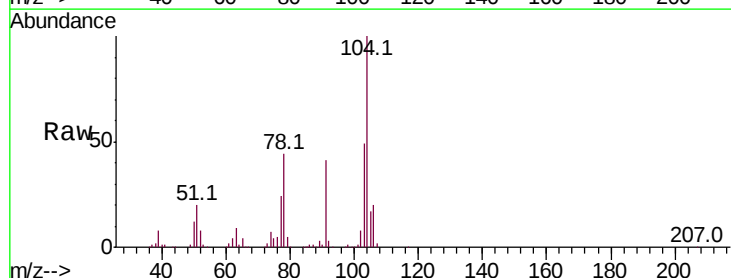


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VDC

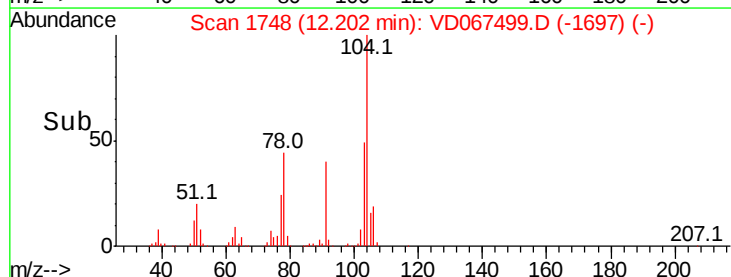
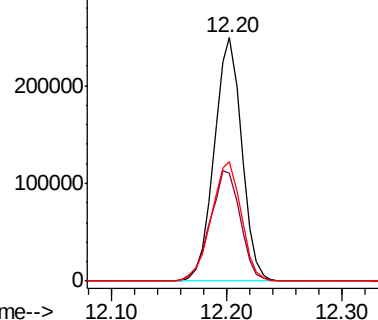


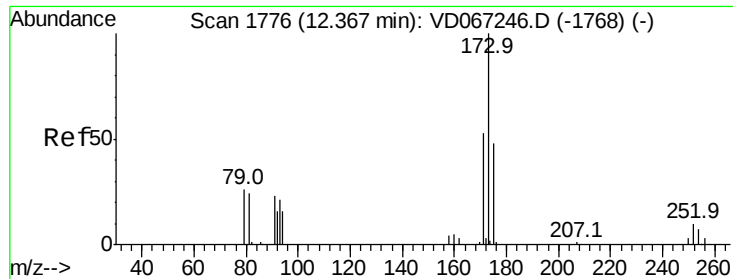
#70
Styrene
Concen: 55.296 ug/l
RT: 12.20 min Scan# 1748
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion:104 Resp: 412058
Ion Ratio Lower Upper
104 100
78 49.7 39.8 59.6
103 53.1 42.6 64.0



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





#71

Bromoform

Concen: 51.163 ug/l

RT: 12.37 min Scan# 1776

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

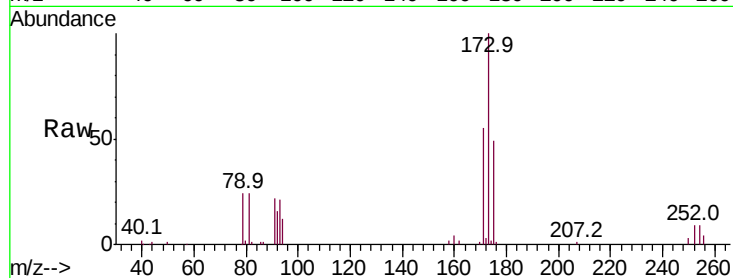
Tot Ion:173 Resp: 77362

Ion Ratio Lower Upper

173 100

175 50.6 24.2 72.6

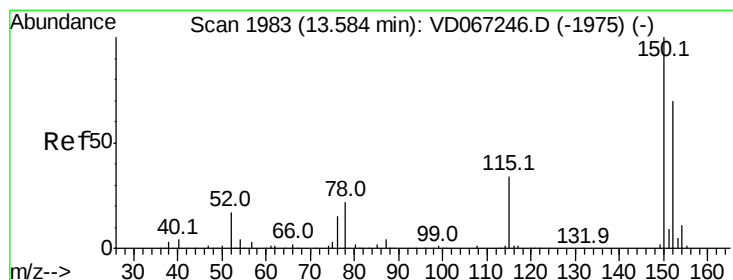
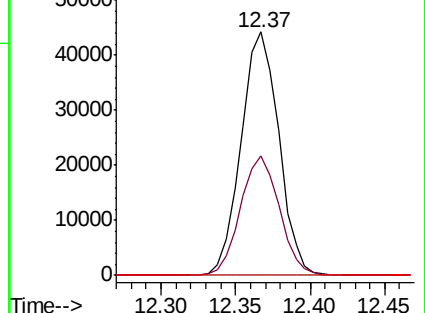
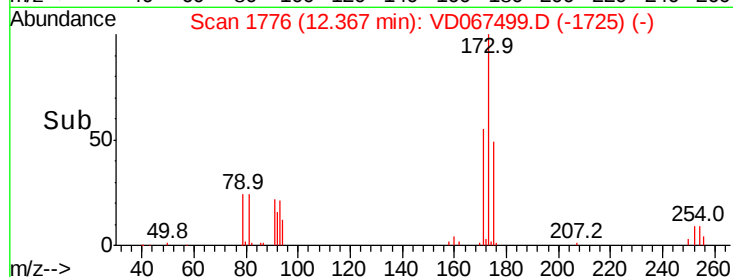
254 0.0 0.1 0.1#



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. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

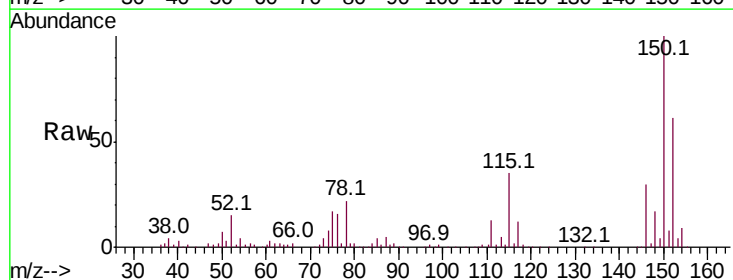
Tgt Ion:152 Resp: 191305

Ion Ratio Lower Upper

152 100

115 58.7 29.3 87.9

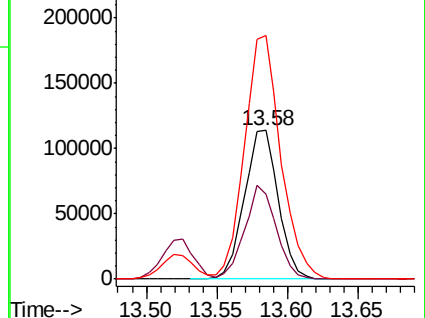
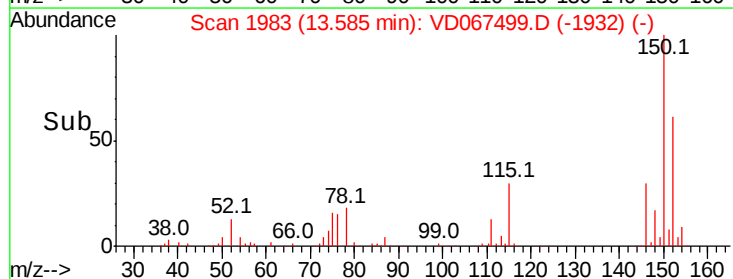
150 175.9 0.0 339.0

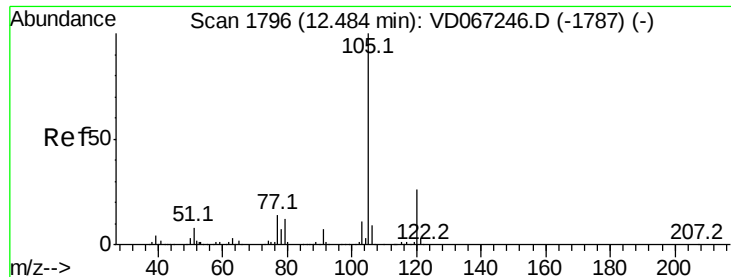


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 53.852 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

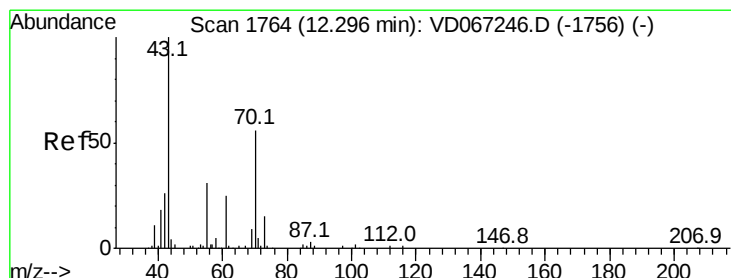
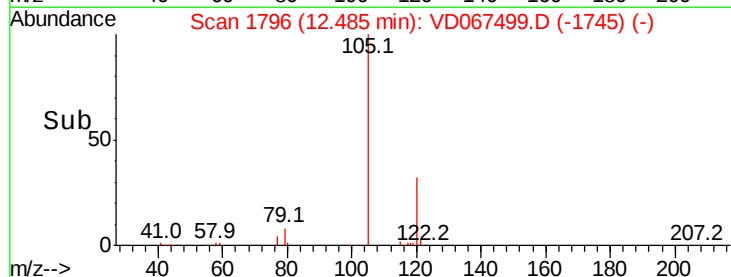
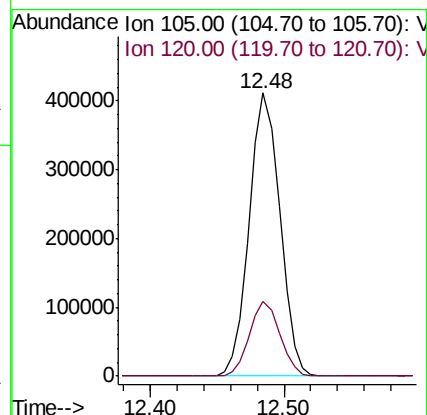
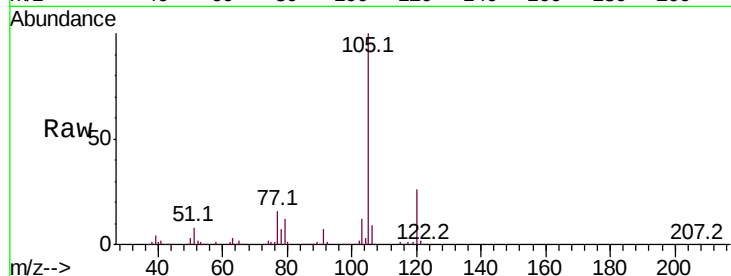
VSTDCCC050EC

Tot Ion:105 Resp: 653841

Ion Ratio Lower Upper

105 100

120 26.3 13.3 39.8



#74

N-ethyl acetate

Concen: 45.879 ug/l

RT: 12.30 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Tgt Ion: 43 Resp: 84132

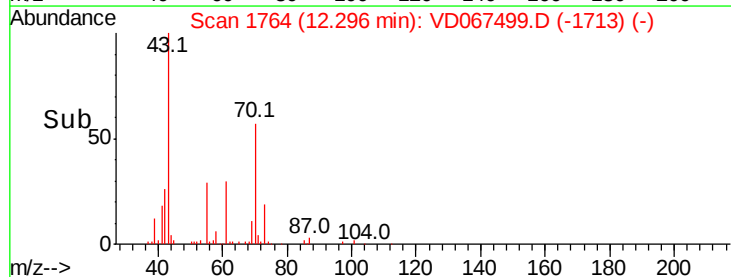
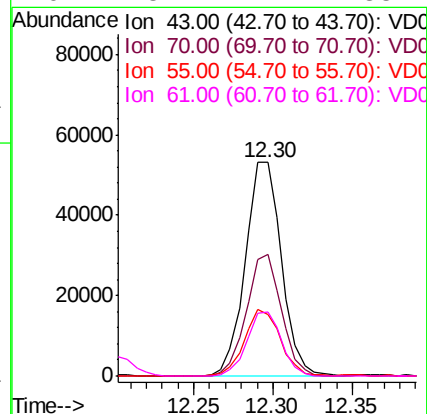
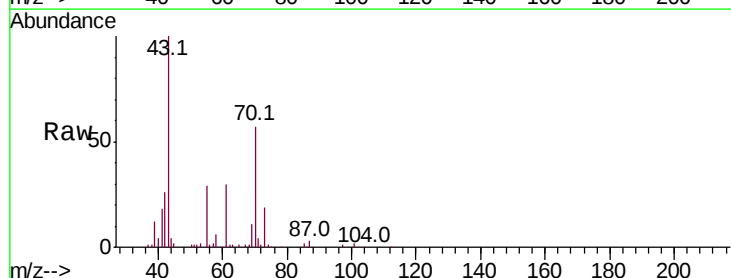
Ion Ratio Lower Upper

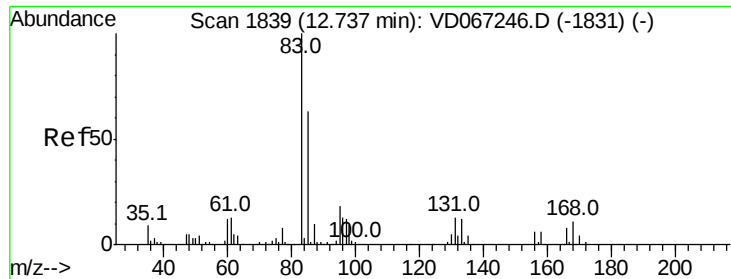
43 100

70 55.0 42.7 64.1

55 31.0 24.0 36.0

61 28.7 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 48.795 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

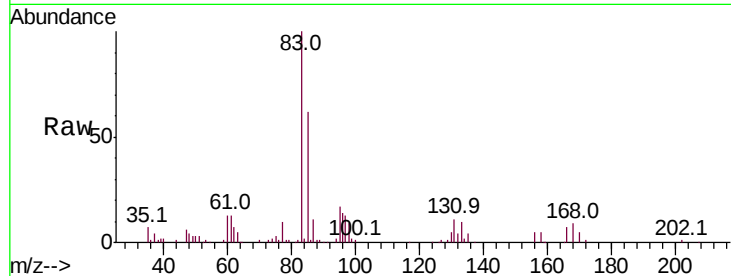
Tot Ion: 83 Resp: 90777

Ion Ratio Lower Upper

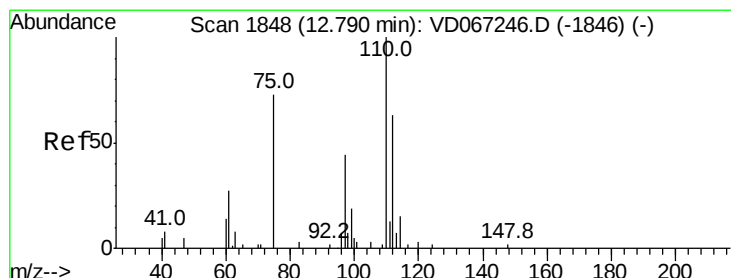
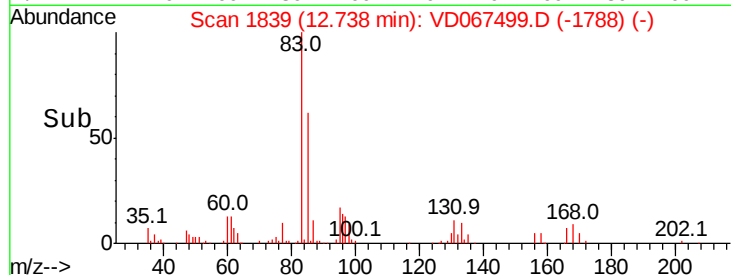
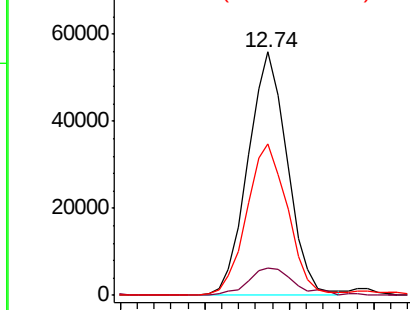
83 100

131 13.5 6.5 19.5

85 64.7 32.6 97.7



Abundance Ion 82.90 (82.60 to 83.60): VDC
Ion 130.80 (130.50 to 131.50): VDC
Ion 84.90 (84.60 to 85.60): VDC



#76

1,2,3-Trichloropropane

Concen: 91.689 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067499.D

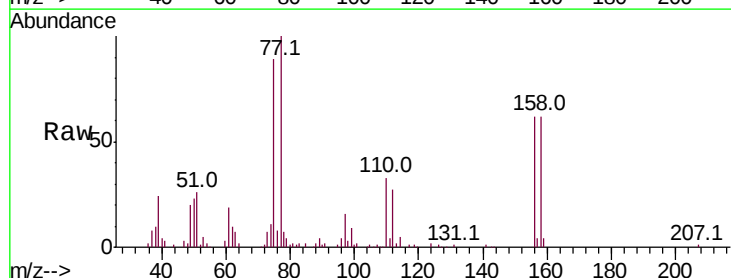
Acq: 02 Nov 2020 18:41

Tgt Ion: 75 Resp: 121573

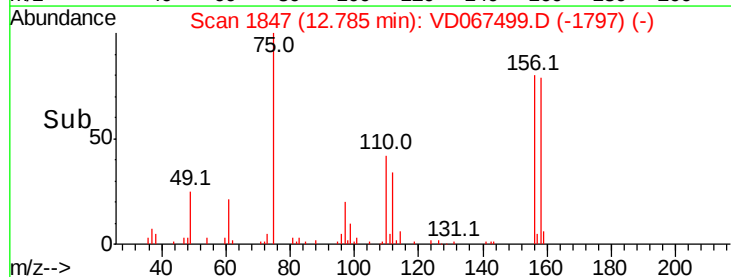
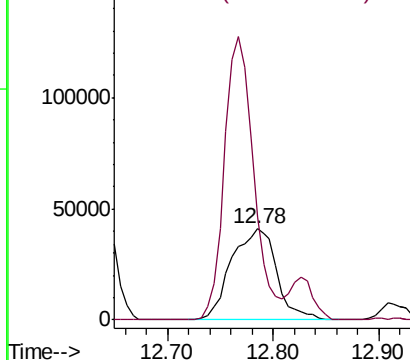
Ion Ratio Lower Upper

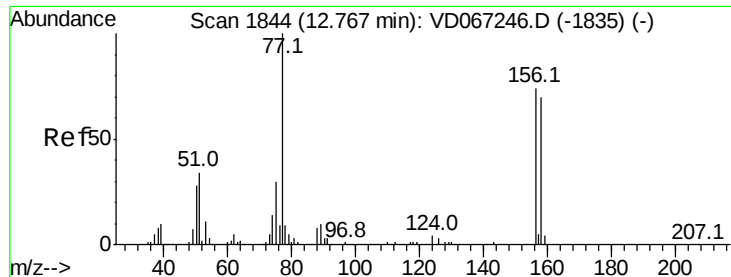
75 100

77 202.1 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: 53.176 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

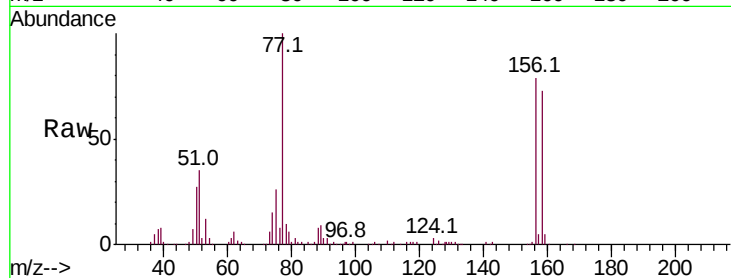
Tot Ion:156 Resp: 160963

Ion Ratio Lower Upper

156 100

77 152.7 78.0 233.8

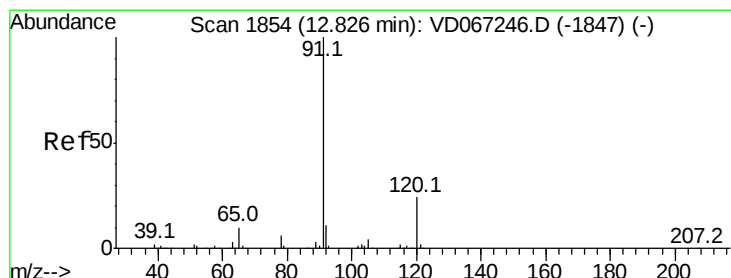
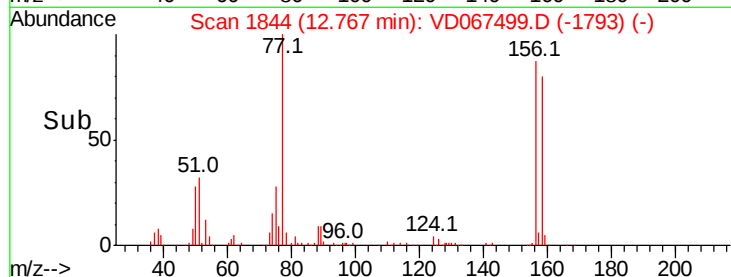
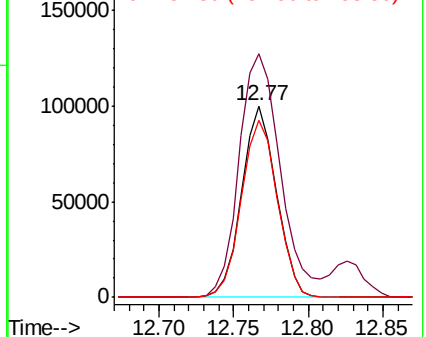
158 96.1 49.1 147.3



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: 52.035 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067499.D

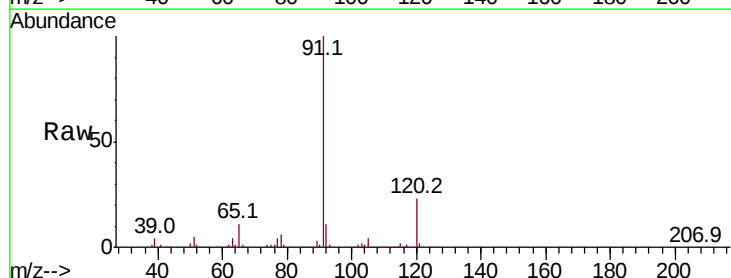
Acq: 02 Nov 2020 18:41

Tgt Ion: 91 Resp: 731996

Ion Ratio Lower Upper

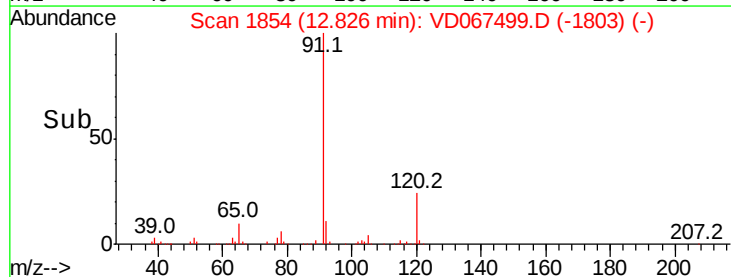
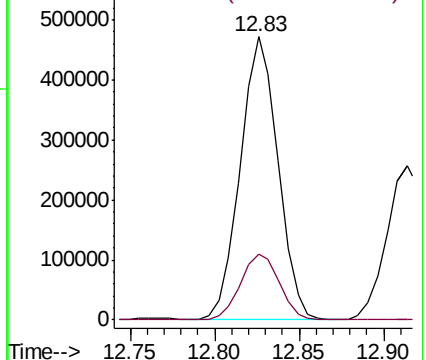
91 100

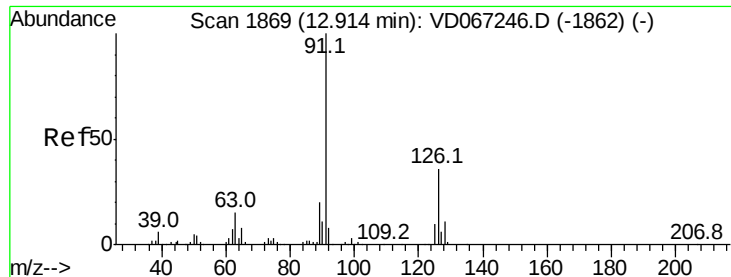
120 24.2 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

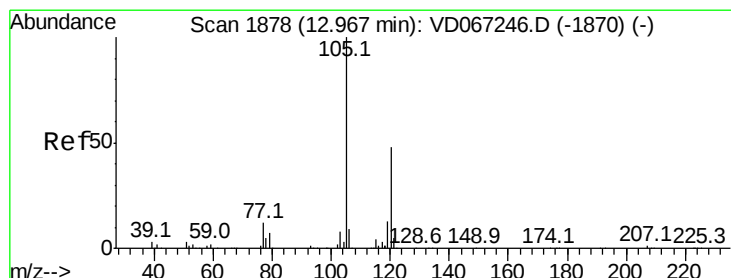
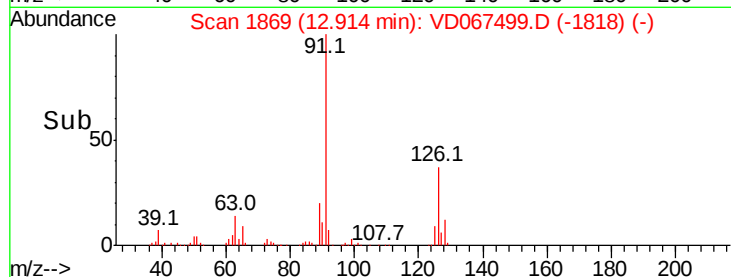
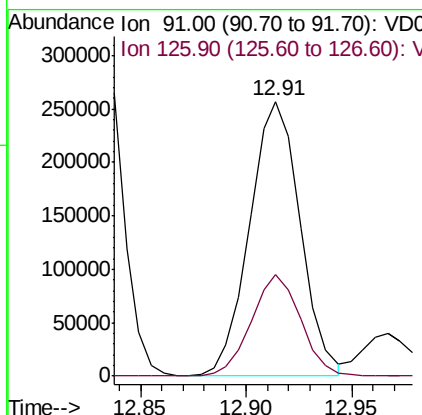
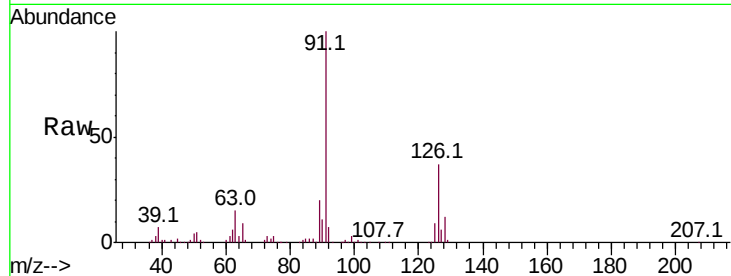




#79
 2-Chlorotoluene
 Concen: 52.330 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

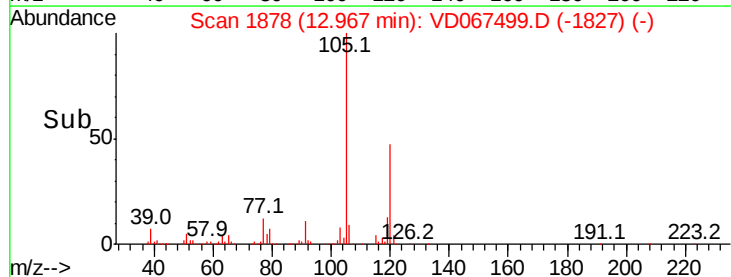
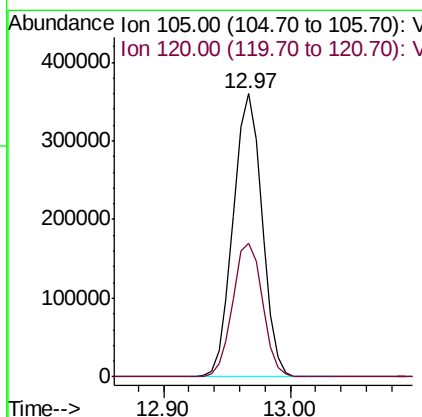
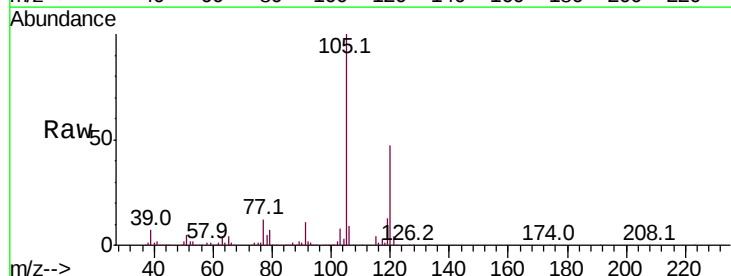
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

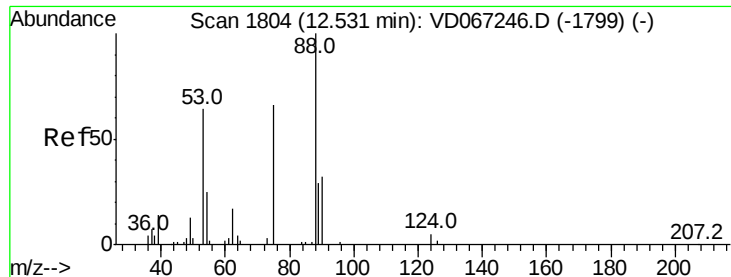
Tot Ion: 91 Resp: 426912
 Ion Ratio Lower Upper
 91 100
 126 36.2 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 53.815 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion: 105 Resp: 567796
 Ion Ratio Lower Upper
 105 100
 120 48.5 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 50.050 ug/l

RT: 12.54 min Scan# 1805

Delta R.T. 0.01 min

Lab File: VD067499.D

Acq: 02 Nov 2020 18:41

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050EC

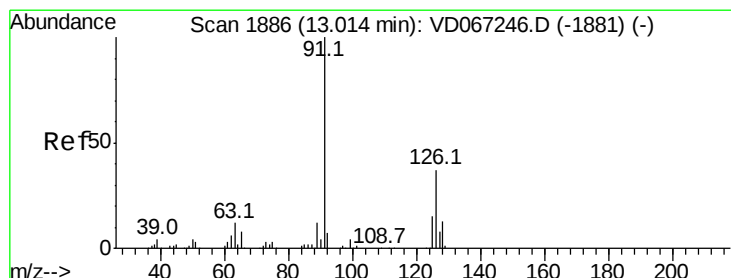
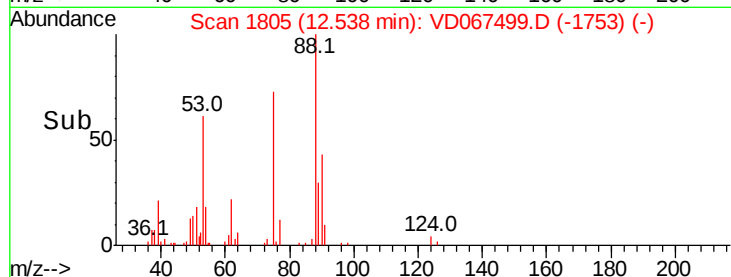
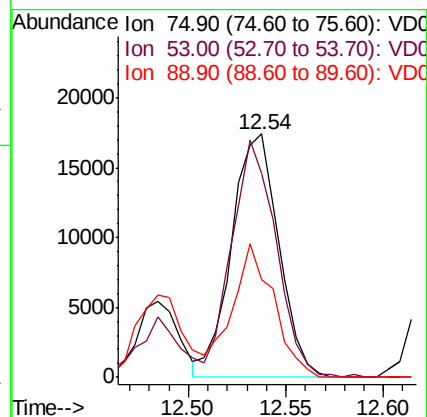
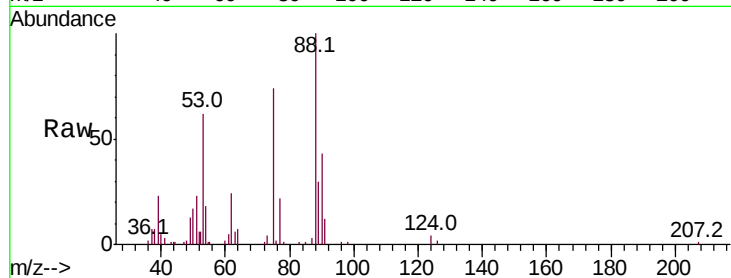
Tot Ion: 75 Resp: 29264

Ion	Ratio	Lower	Upper
75	100		
53	91.7	78.5	117.7
89	48.1	39.9	59.9

75 100

53 91.7 78.5 117.7

89 48.1 39.9 59.9



#82

4-Chlorotoluene

Concen: 52.603 ug/l

RT: 13.01 min Scan# 1886

Delta R.T. 0.00 min

Lab File: VD067499.D

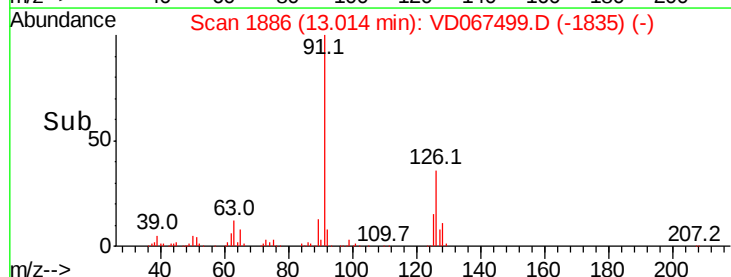
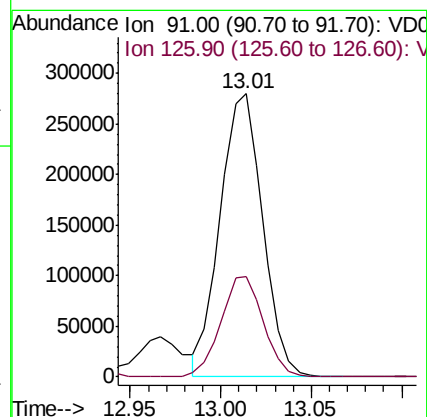
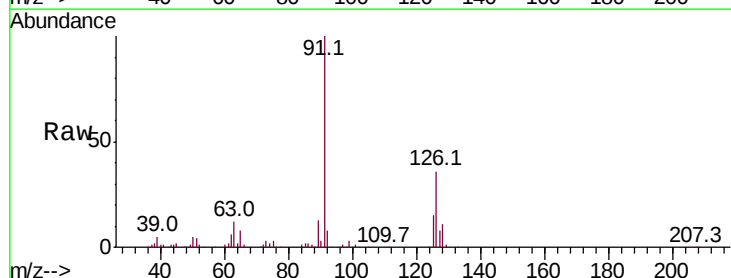
Acq: 02 Nov 2020 18:41

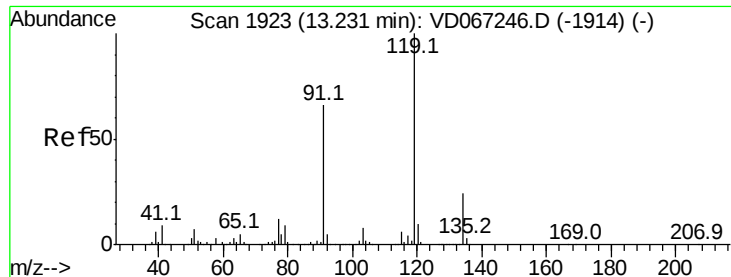
Tgt Ion: 91 Resp: 455463

Ion	Ratio	Lower	Upper
91	100		
126	35.6	17.8	53.5

91 100

126 35.6 17.8 53.5

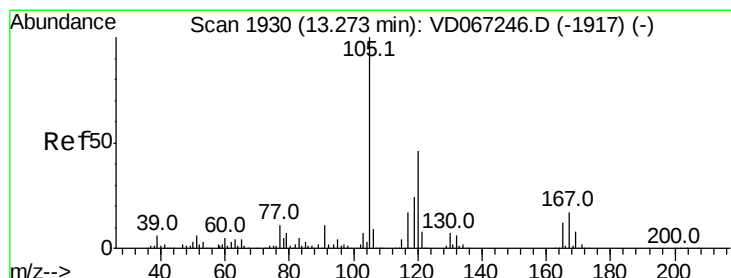
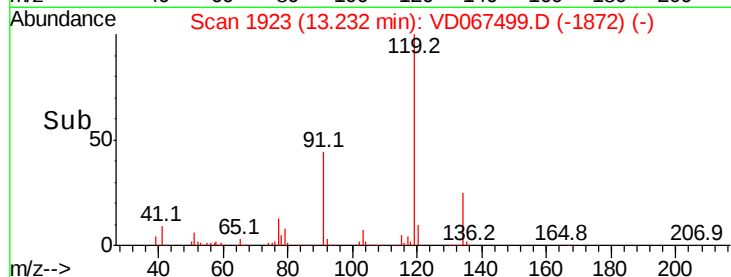
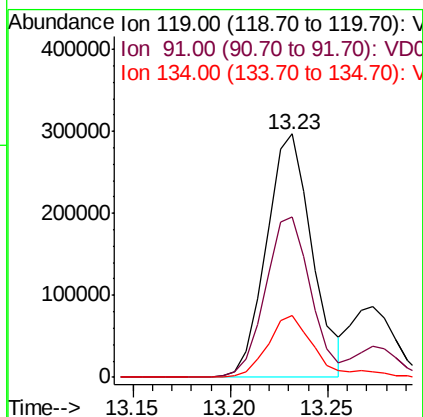
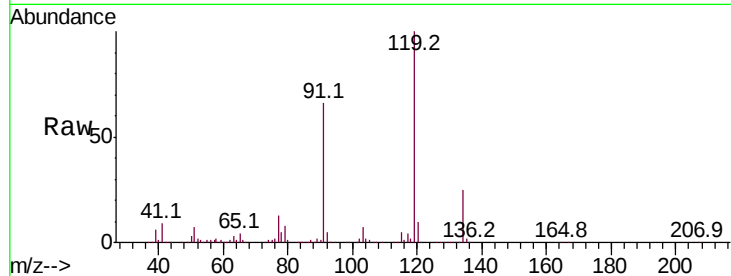




#83
tert-Butylbenzene
Concen: 54.057 ug/l
RT: 13.23 min Scan# 1923
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

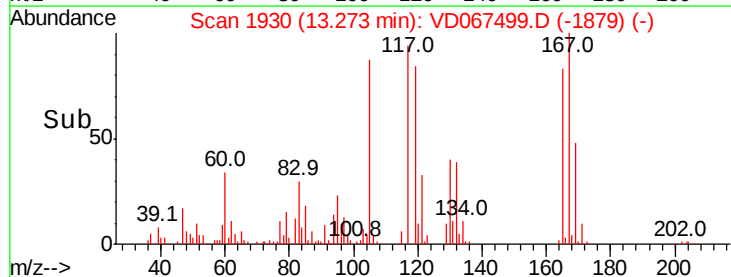
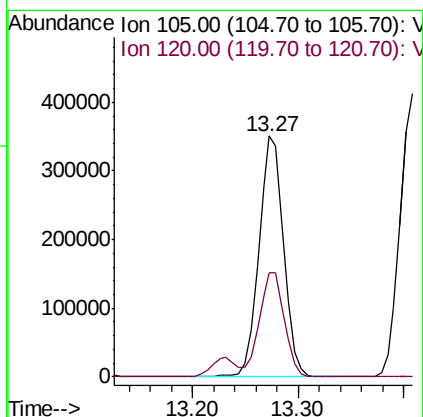
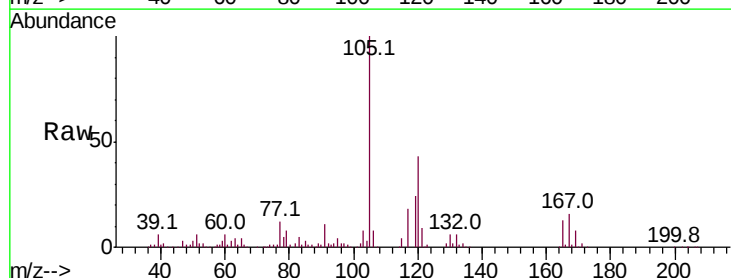
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

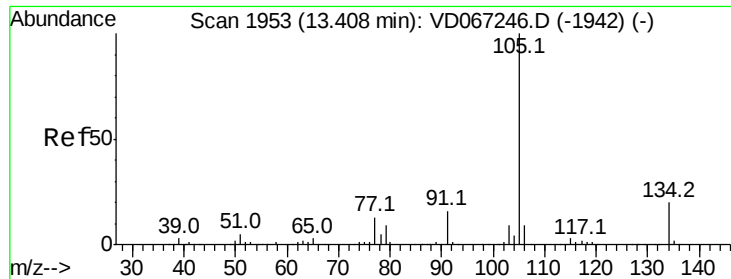
Tot Ion:119 Resp: 481778
Ion Ratio Lower Upper
119 100
91 65.3 33.1 99.2
134 26.6 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 54.639 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion:105 Resp: 569785
Ion Ratio Lower Upper
105 100
120 44.3 22.4 67.3

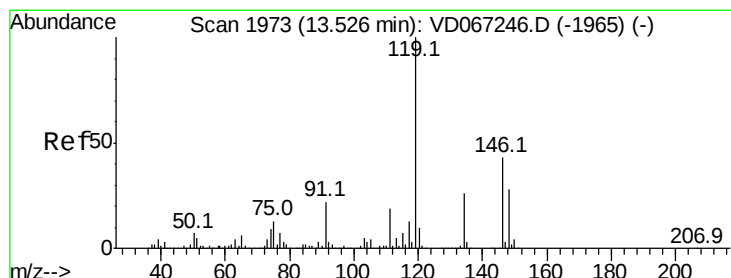
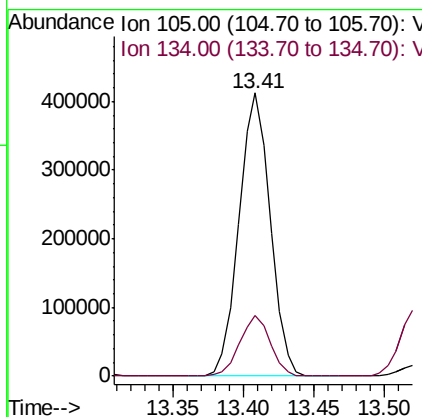
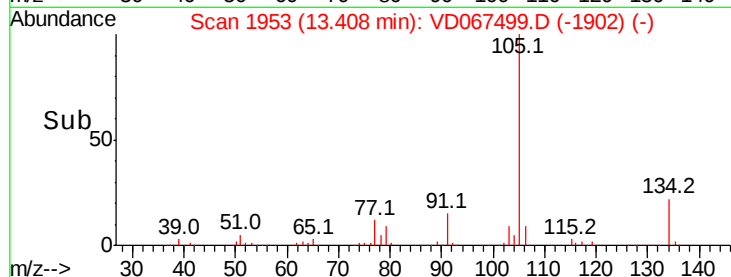
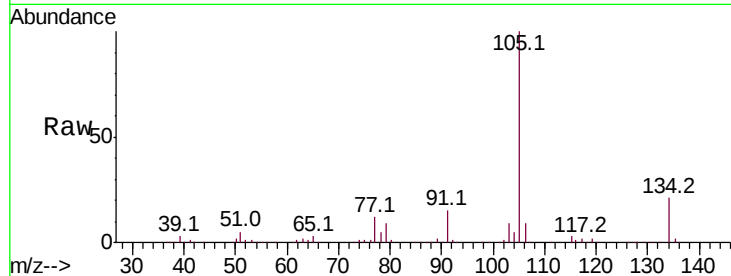




#85
 sec-Butylbenzene
 Concen: 52.106 ug/l
 RT: 13.41 min Scan# 1953
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

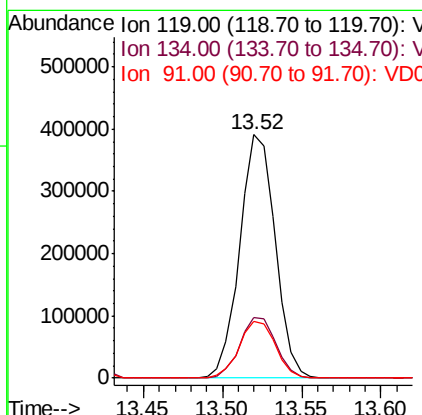
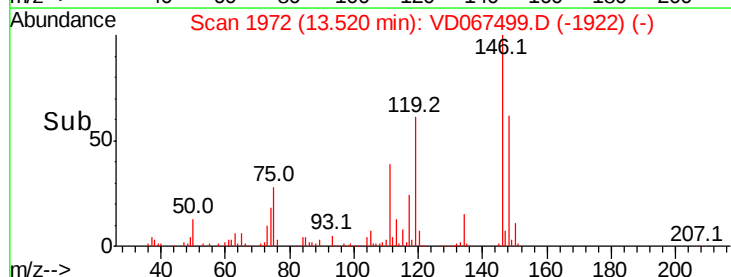
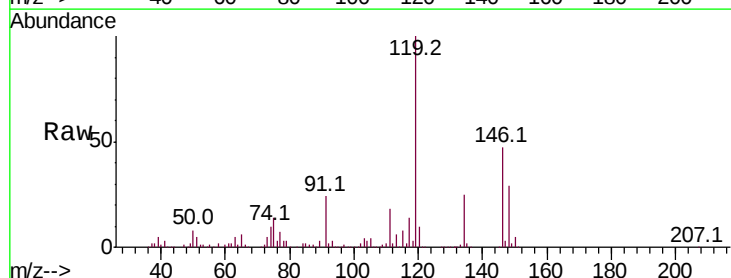
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

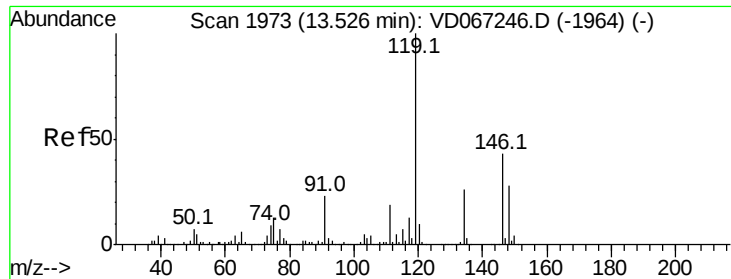
Tot Ion:105 Resp: 637221
 Ion Ratio Lower Upper
 105 100
 134 21.0 10.5 31.5



#86
 p-Isopropyltoluene
 Concen: 52.468 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion:119 Resp: 605625
 Ion Ratio Lower Upper
 119 100
 134 25.7 13.1 39.3
 91 24.1 11.9 35.9

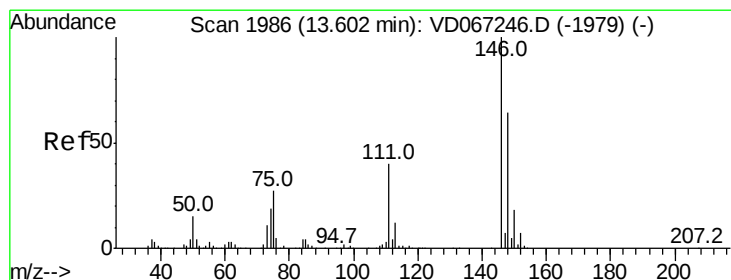
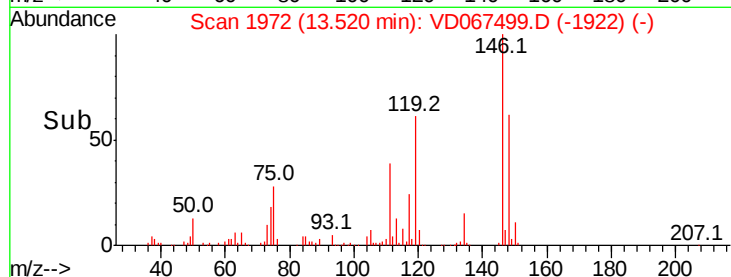
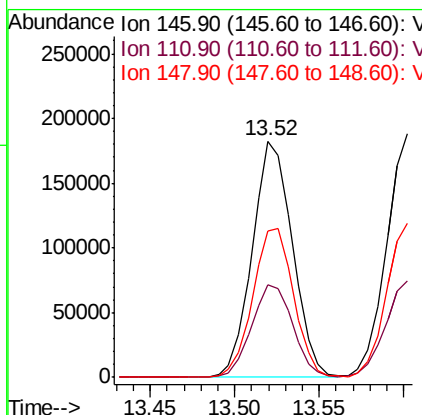
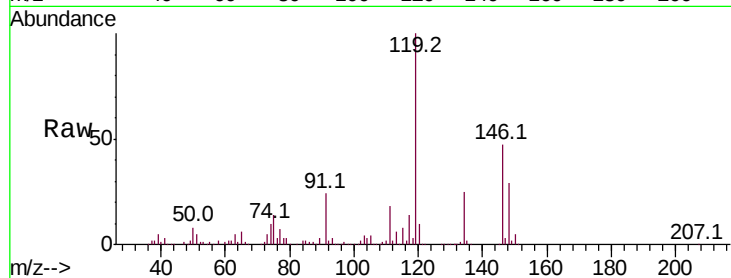




#87
 1,3-Dichlorobenzene
 Concen: 51.659 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

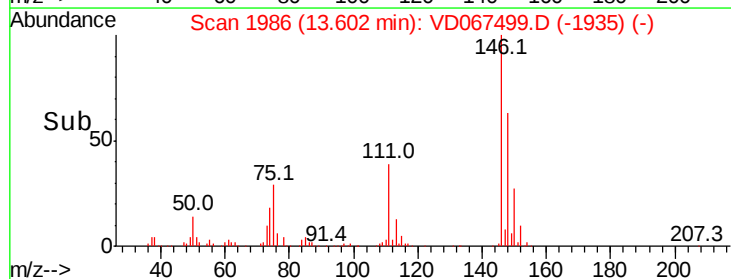
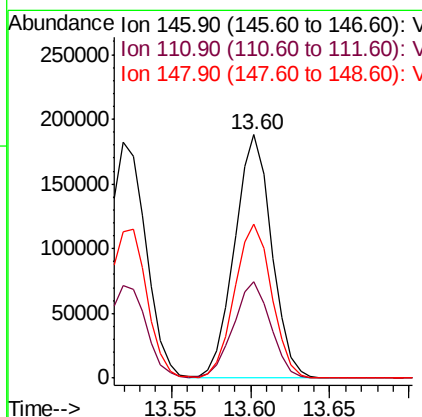
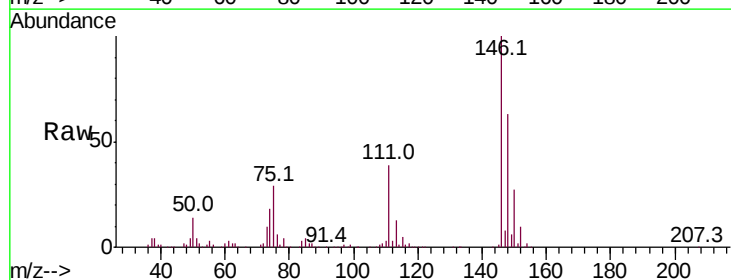
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

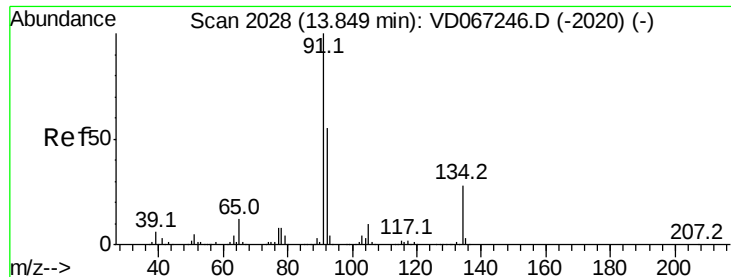
Tot Ion:146 Resp: 300977
 Ion Ratio Lower Upper
 146 100
 111 40.1 21.1 63.3
 148 64.0 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 52.910 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion:146 Resp: 305416
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.9 59.7
 148 63.2 31.9 95.9

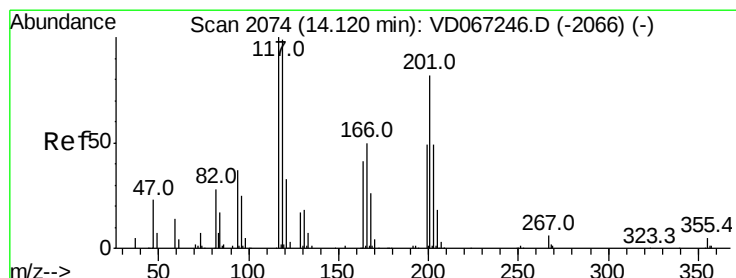
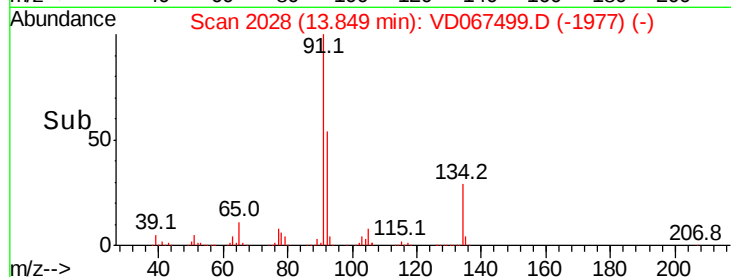
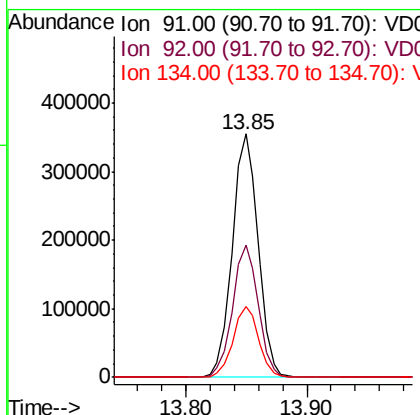
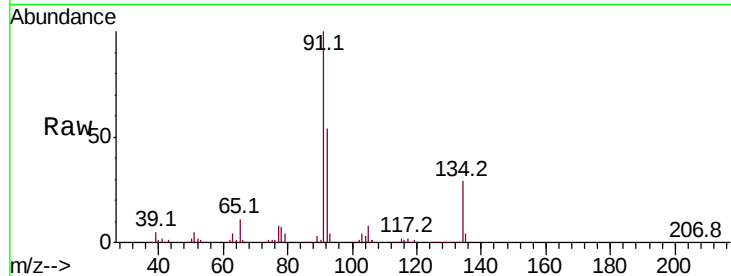




#89
n-Butylbenzene
Concen: 52.092 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

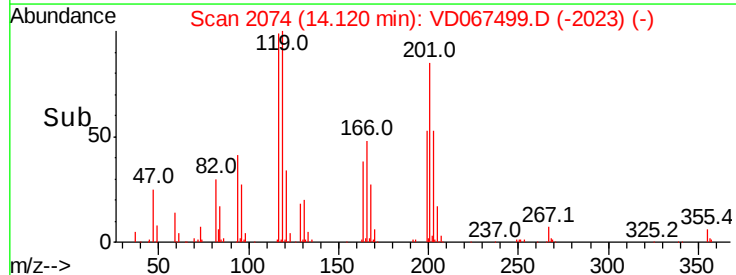
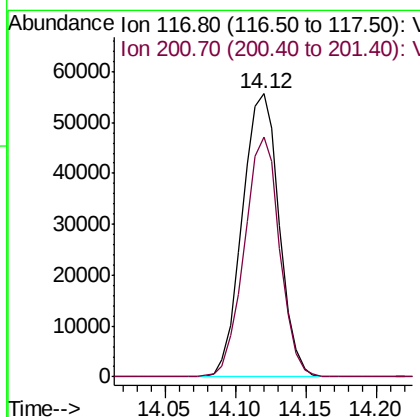
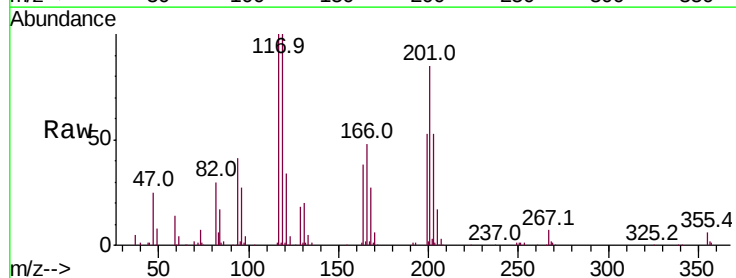
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

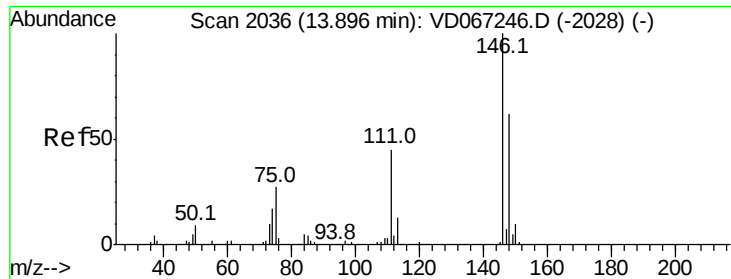
Tot Ion: 91 Resp: 528977
Ion Ratio Lower Upper
91 100
92 53.7 26.7 80.0
134 28.8 14.2 42.6



#90
Hexachloroethane
Concen: 50.534 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion: 117 Resp: 101789
Ion Ratio Lower Upper
117 100
201 81.5 40.8 122.2

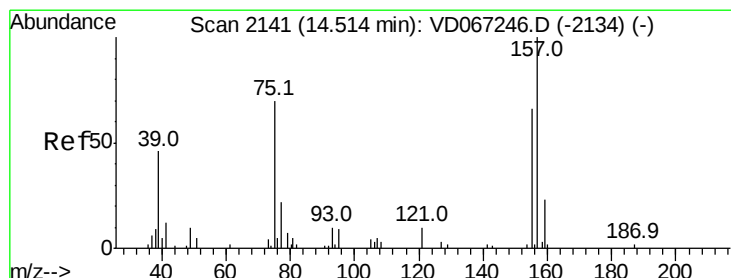
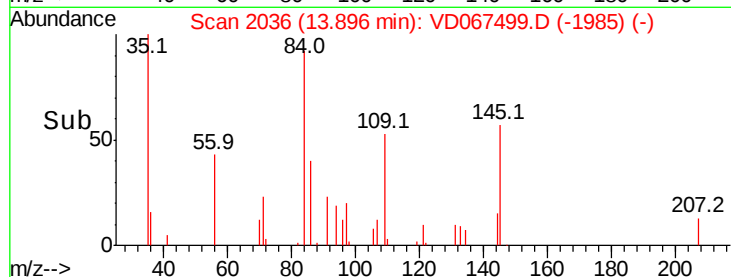
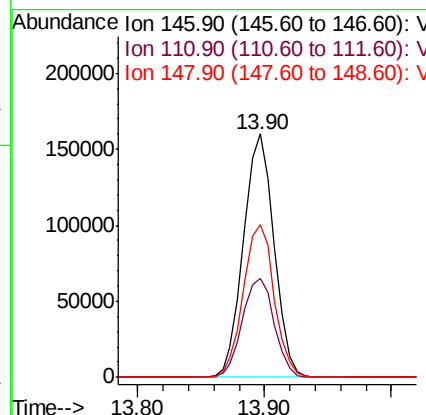
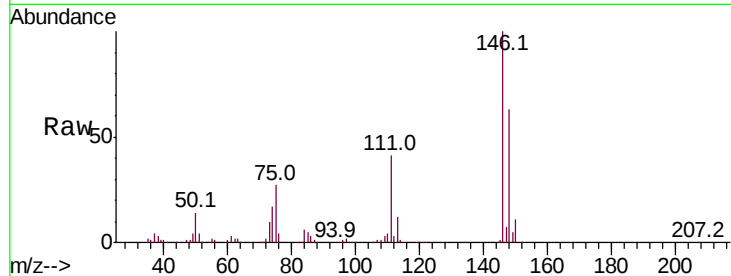




#91
 1,2-Dichlorobenzene
 Concen: 52.602 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

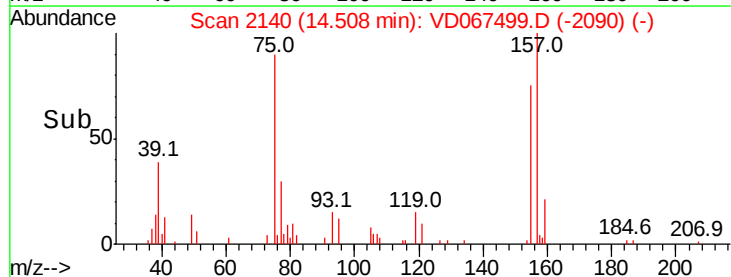
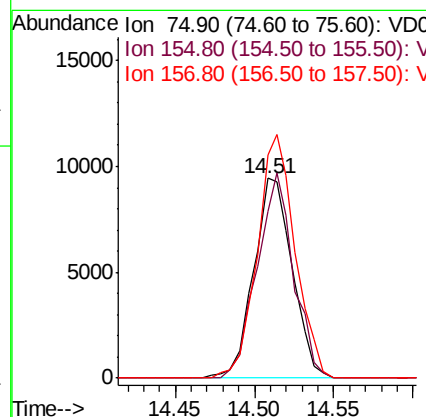
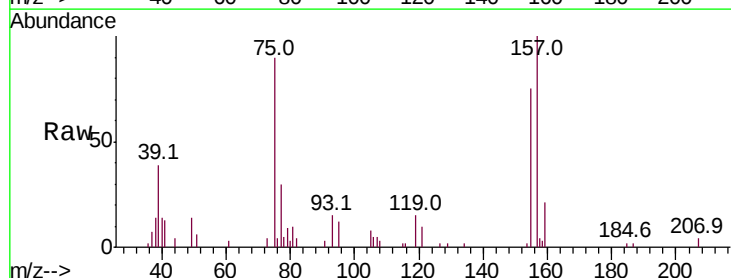
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

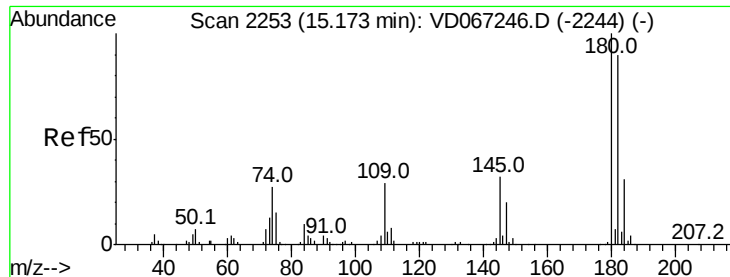
Tot Ion:146 Resp: 267734
 Ion Ratio Lower Upper
 146 100
 111 42.3 22.0 66.0
 148 63.4 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 47.158 ug/l
 RT: 14.51 min Scan# 2140
 Delta R.T. -0.01 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion: 75 Resp: 15938
 Ion Ratio Lower Upper
 75 100
 155 96.8 44.8 134.4
 157 119.5 62.5 187.4

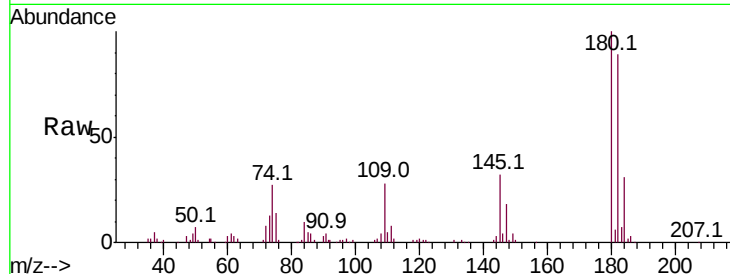




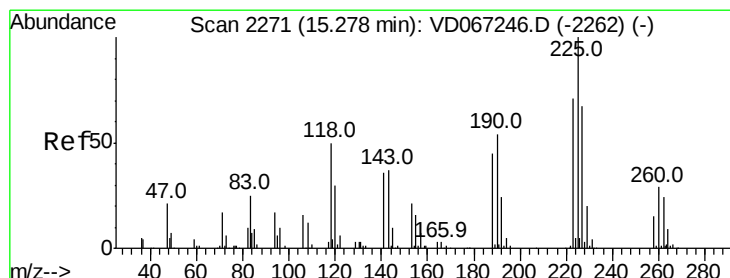
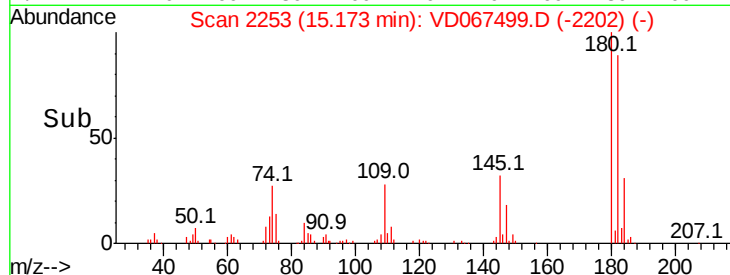
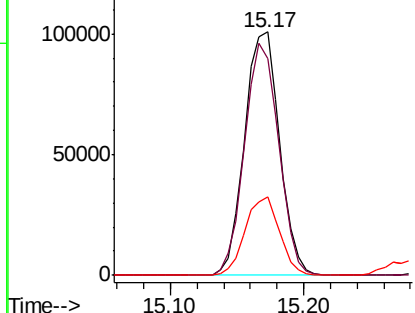
#93
 1,2,4-Trichlorobenzene
 Concen: 53.086 ug/l
 RT: 15.17 min Scan# 2253
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.4	48.1	144.4
145	31.5	16.3	48.9

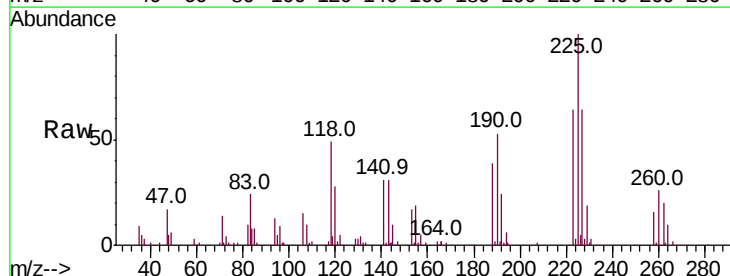


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

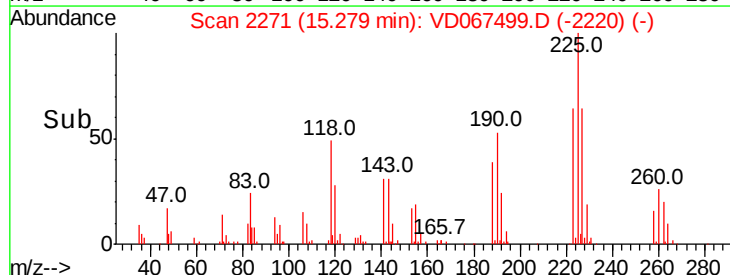
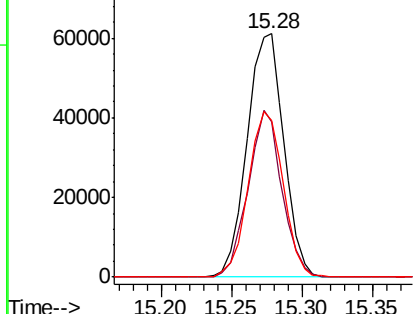


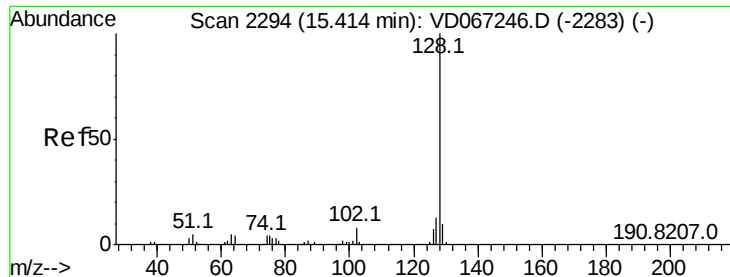
#94
 Hexachlorobutadiene
 Concen: 52.395 ug/l
 RT: 15.28 min Scan# 2271
 Delta R.T. 0.00 min
 Lab File: VD067499.D
 Acq: 02 Nov 2020 18:41

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	31.9	95.7
227	64.9	31.2	93.6



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

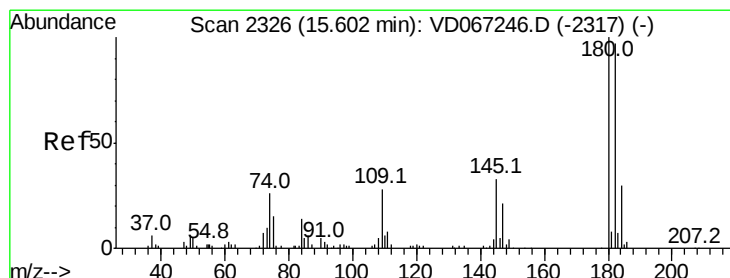
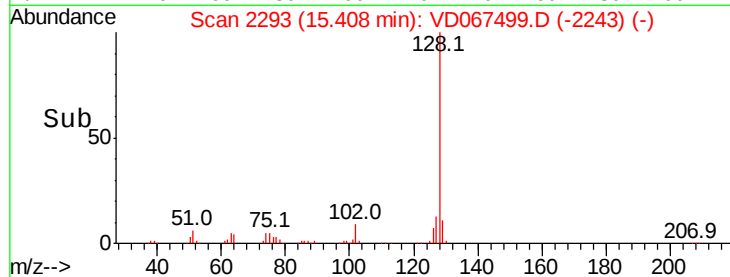
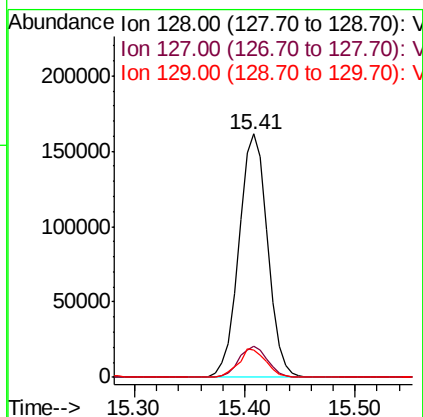
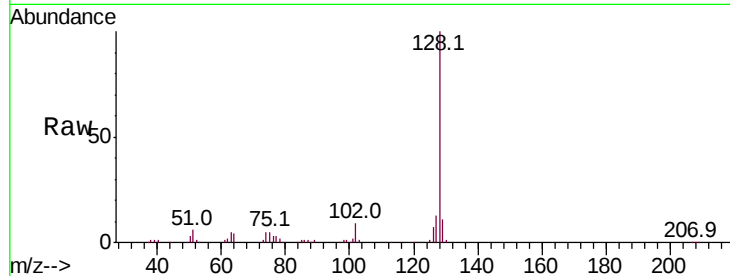




#95
Naphthalene
Concen: 52.270 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050EC

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.4	15.6
129	11.2	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 52.130 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067499.D
Acq: 02 Nov 2020 18:41

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	48.1	144.3
145	33.2	17.3	51.9

