

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD102920\
 Data File : VD067445.D
 Acq On : 29 Oct 2020 11:35
 Operator : VA/SY
 Sample : VSTDCCC050
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

Quant Time: Oct 30 02:25:20 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	334948	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	473457	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	437648	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	225573	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	145540	43.37	ug/l	0.00
Spiked Amount						
			Recovery	=	86.74%	
35) Dibromofluoromethane	7.92	113	153417	48.69	ug/l	0.00
Spiked Amount						
			Recovery	=	97.38%	
50) Toluene-d8	10.34	98	552712	48.47	ug/l	0.00
Spiked Amount						
			Recovery	=	96.94%	
62) 4-Bromofluorobenzene	12.64	95	193520	48.81	ug/l	0.00
Spiked Amount						
			Recovery	=	97.62%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	120374	44.271	ug/l	100
3) Chloromethane	2.21	50	85211	40.423	ug/l	98
4) Vinyl Chloride	2.34	62	102048	44.121	ug/l	91
5) Bromomethane	2.77	94	76277	47.263	ug/l	99
6) Chloroethane	2.92	64	63574	44.135	ug/l	92
7) Trichlorofluoromethane	3.27	101	297329	51.051	ug/l	100
8) Diethyl Ether	3.71	74	63224	47.440	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	4.09	101	160813	51.970	ug/l	98
10) Methyl Iodide	4.30	142	153582	53.805	ug/l	99
11) Tert butyl alcohol	5.21	59	46360	269.237	ug/l #	81
12) 1,1-Dichloroethene	4.07	96	140943	50.985	ug/l	93
13) Acrolein	3.92	56	40882	207.844	ug/l	92
14) Allyl chloride	4.71	41	161089	50.885	ug/l	99
15) Acrylonitrile	5.42	53	118893	267.362	ug/l	99
16) Acetone	4.16	43	143686	305.739	ug/l	98
17) Carbon Disulfide	4.41	76	343595	43.599	ug/l	97
18) Methyl Acetate	4.73	43	56811	52.999	ug/l	97
19) Methyl tert-butyl Ether	5.47	73	298940	54.385	ug/l	99
20) Methylene Chloride	4.97	84	157853	52.677	ug/l	89
21) trans-1,2-Dichloroethene	5.47	96	163896	51.520	ug/l	97
22) Diisopropyl ether	6.36	45	311348	53.838	ug/l	99
23) Vinyl Acetate	6.31	43	923886	280.808	ug/l	97
24) 1,1-Dichloroethane	6.27	63	256308	51.776	ug/l	98
25) 2-Butanone	7.21	43	146941	274.292	ug/l	95
26) 2,2-Dichloropropane	7.21	77	281249	55.120	ug/l	100
27) cis-1,2-Dichloroethene	7.21	96	184727	52.984	ug/l	99
28) Bromochloromethane	7.55	49	81448	48.237	ug/l	99
29) Tetrahydrofuran	7.56	42	81860	274.891	ug/l	96
30) Chloroform	7.71	83	313192	52.961	ug/l	91
31) Cyclohexane	7.98	56	189339	48.988	ug/l	96
32) 1,1,1-Trichloroethane	7.90	97	310842	53.572	ug/l	99
36) 1,1-Dichloropropene	8.11	75	225685	56.240	ug/l	99
37) Ethyl Acetate	7.30	43	68912	58.368	ug/l #	93
38) Carbon Tetrachloride	8.10	117	293065	57.141	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.36	83	240267	57.273	ug/l	98
40) Benzene	8.36	78	608675	55.290	ug/l	99
41) Methacrylonitrile	7.52	41	42090	65.971	ug/l #	82
42) 1,2-Dichloroethane	8.43	62	189410	54.978	ug/l	98
43) Isopropyl Acetate	8.46	43	131380	56.080	ug/l	99
44) Trichloroethene	9.11	130	196946	55.875	ug/l	96
45) 1,2-Dichloropropane	9.39	63	140852	55.206	ug/l	100
46) Dibromomethane	9.48	93	87041	54.755	ug/l	97
47) Bromodichloromethane	9.67	83	241042	56.596	ug/l	98
48) Methyl methacrylate	9.46	41	64942	57.042	ug/l	93
49) 1,4-Dioxane	9.46	88	17398	1135.055	ug/l	99
51) 4-Methyl-2-Pentanone	10.23	43	335644	287.248	ug/l	99
52) Toluene	10.41	92	426117	56.830	ug/l	99
53) t-1,3-Dichloropropene	10.63	75	212381	56.766	ug/l	95
54) cis-1,3-Dichloropropene	10.09	75	243871	55.697	ug/l	98
55) 1,1,2-Trichloroethane	10.80	97	123054	56.767	ug/l	93
56) Ethyl methacrylate	10.67	69	129505	57.606	ug/l	99
57) 1,3-Dichloropropane	10.95	76	193540	56.103	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.95	63	324860	281.681	ug/l	98
59) 2-Hexanone	10.99	43	246487	308.703	ug/l	99
60) Dibromochloromethane	11.14	129	173468	54.873	ug/l	98
61) 1,2-Dibromoethane	11.25	107	116922	54.712	ug/l	98
64) Tetrachloroethene	10.88	164	171660	54.136	ug/l	96
65) Chlorobenzene	11.67	112	465324	55.446	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.75	131	188561	56.531	ug/l	99
67) Ethyl Benzene	11.75	91	828264	57.574	ug/l	99
68) m/p-Xylenes	11.86	106	645492	116.517	ug/l	97
69) o-Xylene	12.18	106	288405	56.220	ug/l	97
70) Styrene	12.20	104	498433	56.442	ug/l	98
71) Bromoform	12.37	173	101830	56.827	ug/l #	99
73) Isopropylbenzene	12.48	105	840616	58.717	ug/l	100
74) N-amyl acetate	12.29	43	118512	54.810	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.74	83	119522	54.487	ug/l	98
76) 1,2,3-Trichloropropane	12.78	75	163954	104.868	ug/l #	100
77) Bromobenzene	12.77	156	200278	56.113	ug/l	97
78) n-propylbenzene	12.83	91	970399	58.502	ug/l	99
79) 2-Chlorotoluene	12.91	91	538939	56.027	ug/l	99
80) 1,3,5-Trimethylbenzene	12.97	105	720081	57.880	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.53	75	39724	57.618	ug/l	94
82) 4-Chlorotoluene	13.01	91	569945	55.825	ug/l	99
83) tert-Butylbenzene	13.23	119	627373	59.699	ug/l	98
84) 1,2,4-Trimethylbenzene	13.27	105	709111	57.669	ug/l	100
85) sec-Butylbenzene	13.41	105	845984	58.668	ug/l	100
86) p-Isopropyltoluene	13.52	119	796326	58.508	ug/l	100
87) 1,3-Dichlorobenzene	13.52	146	378265	55.061	ug/l	99
88) 1,4-Dichlorobenzene	13.60	146	378003	55.537	ug/l	100
89) n-Butylbenzene	13.85	91	702370	58.659	ug/l	99
90) Hexachloroethane	14.12	117	134939	56.814	ug/l	98
91) 1,2-Dichlorobenzene	13.90	146	328989	54.818	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.51	75	21411	53.727	ug/l	95

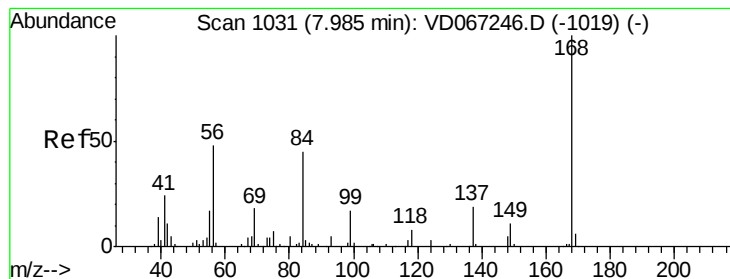
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	15.17	180	236767	58.514	ug/l	99
94) Hexachlorobutadiene	15.27	225	150257	59.798	ug/l	97
95) Naphthalene	15.41	128	394804	59.428	ug/l	99
96) 1,2,3-Trichlorobenzene	15.60	180	205606	58.817	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: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

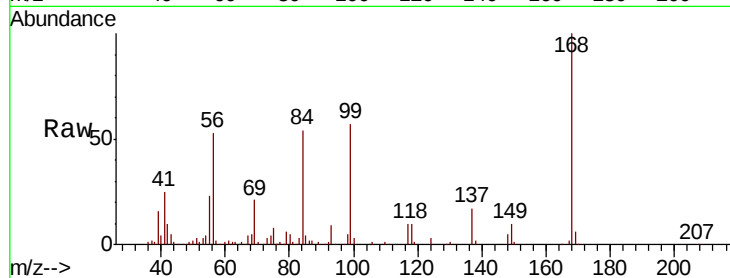
VSTDCCC050

Tot Ion:168 Resp: 334948

Ion Ratio Lower Upper

168 100

99 56.8 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

150000

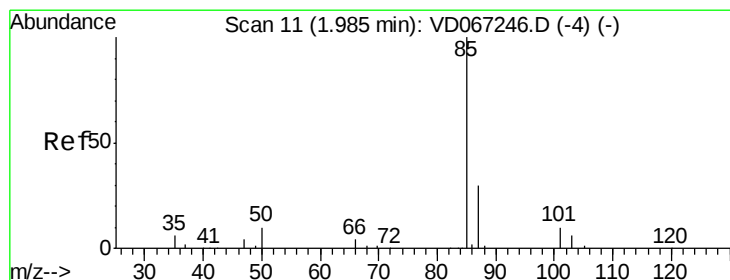
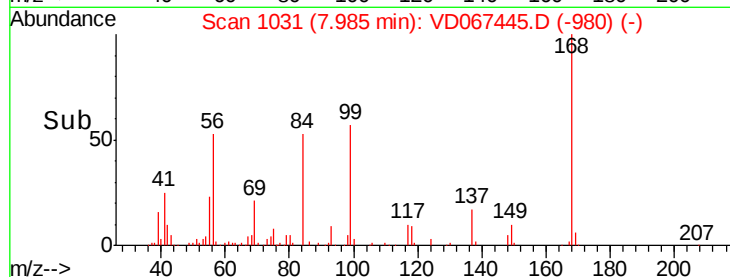
100000

50000

0

7.90 8.00 8.10

Time-->



#2

Dichlorodifluoromethane

Concen: 44.271 ug/l

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067445.D

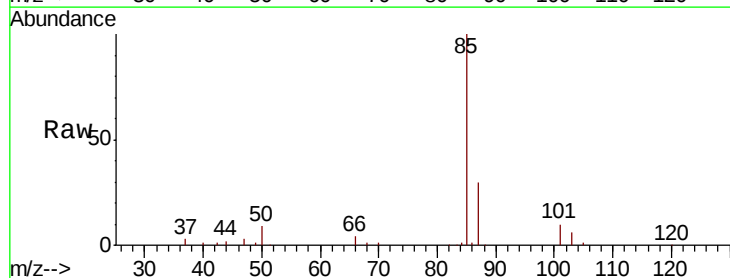
Acq: 29 Oct 2020 11:35

Tgt Ion: 85 Resp: 120374

Ion Ratio Lower Upper

85 100

87 30.3 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

100000

80000

60000

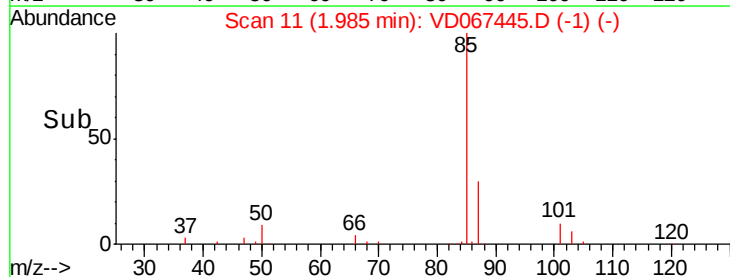
40000

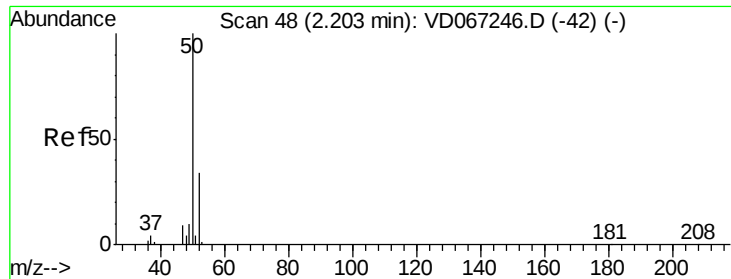
20000

0

1.90 1.95 2.00 2.05 2.10

Time-->





#3

Chloromethane

Concen: 40.423 ug/l

RT: 2.21 min Scan# 49

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

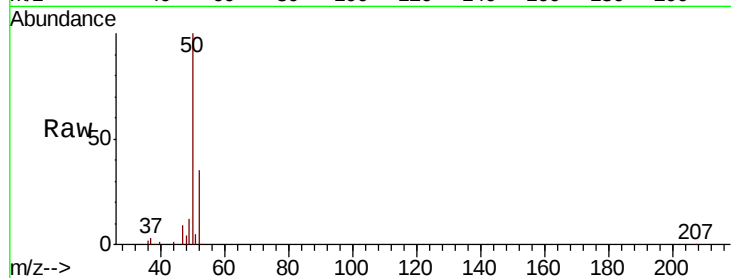
VSTDCCC050

Tot Ion: 50 Resp: 85211

Ion Ratio Lower Upper

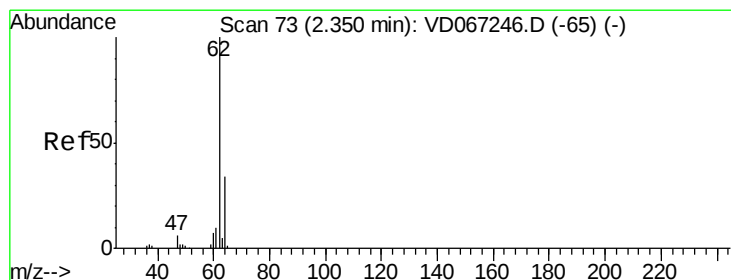
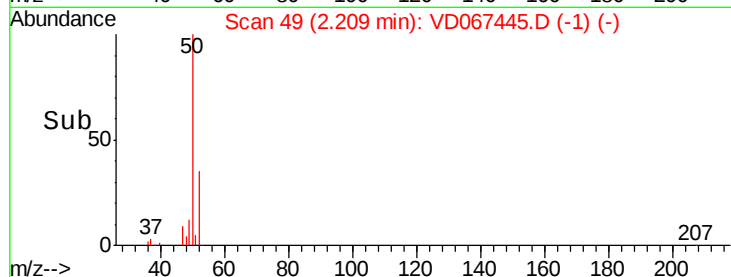
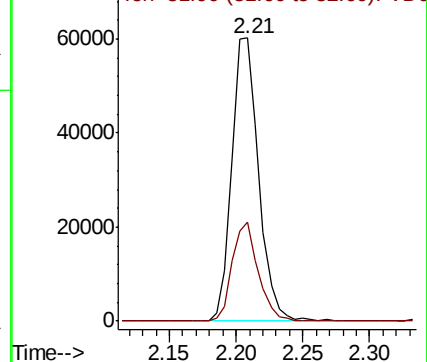
50 100

52 35.2 27.1 40.7



Abundance Ion 49.90 (49.60 to 50.60): VDC

Ion 51.90 (51.60 to 52.60): VDC



#4

Vinyl Chloride

Concen: 44.121 ug/l

RT: 2.34 min Scan# 72

Delta R.T. -0.01 min

Lab File: VD067445.D

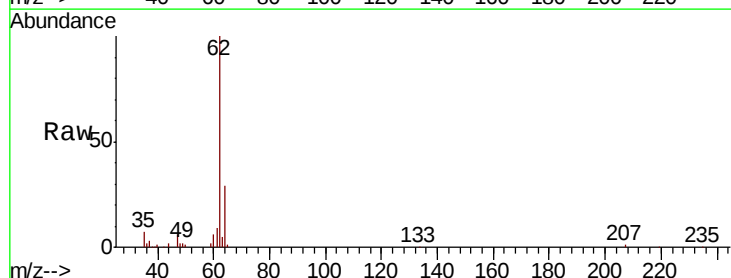
Acq: 29 Oct 2020 11:35

Tgt Ion: 62 Resp: 102048

Ion Ratio Lower Upper

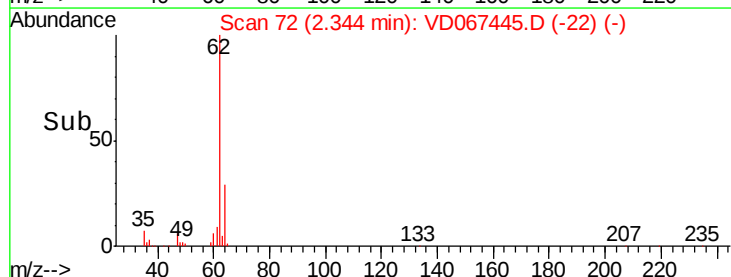
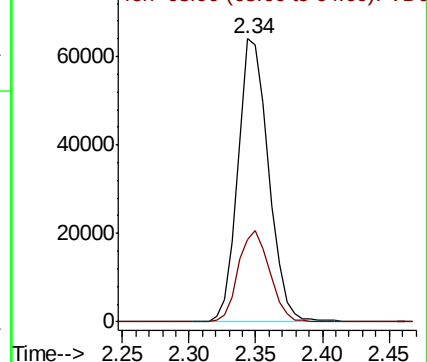
62 100

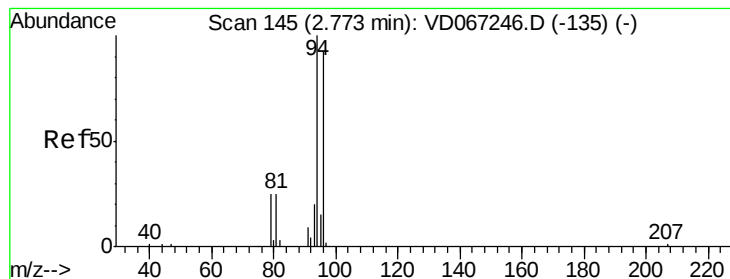
64 29.2 27.4 41.0



Abundance Ion 61.90 (61.60 to 62.60): VDC

Ion 63.90 (63.60 to 64.60): VDC





#5

Bromomethane

Concen: 47.263 ug/l

RT: 2.77 min Scan# 144

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

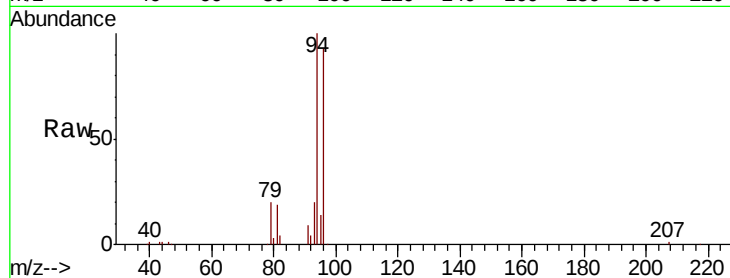
VSTDCCC050

Tot Ion: 94 Resp: 76277

Ion Ratio Lower Upper

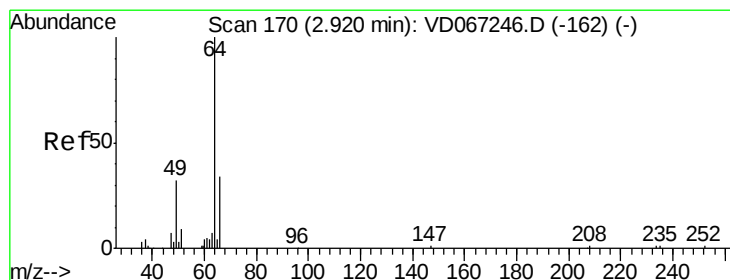
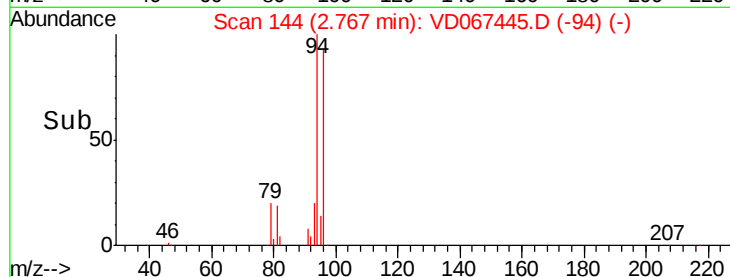
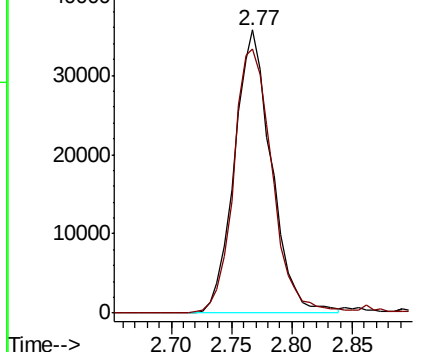
94 100

96 93.3 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: 44.135 ug/l

RT: 2.92 min Scan# 170

Delta R.T. 0.00 min

Lab File: VD067445.D

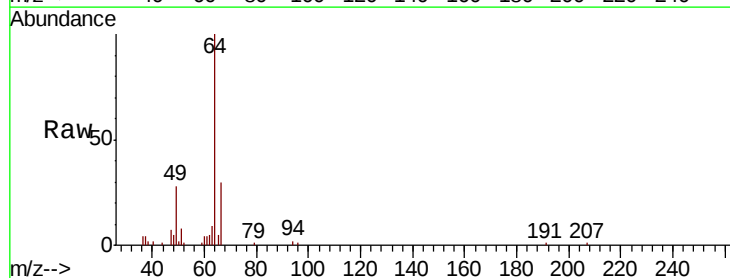
Acq: 29 Oct 2020 11:35

Tgt Ion: 64 Resp: 63574

Ion Ratio Lower Upper

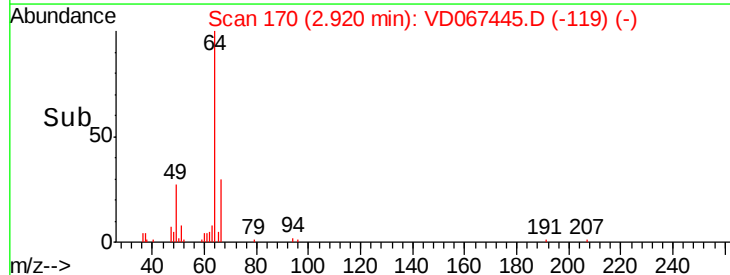
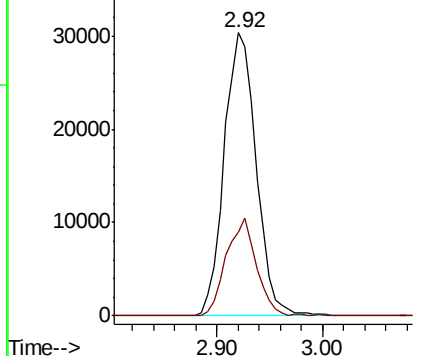
64 100

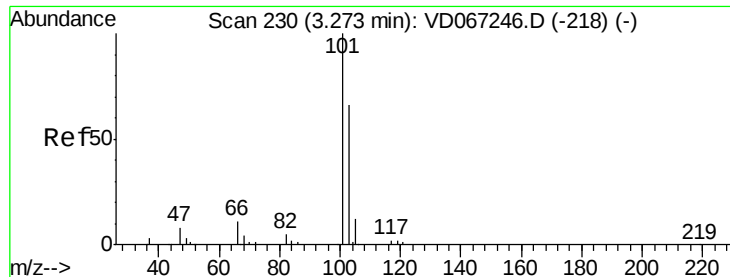
66 29.7 27.4 41.0



Abundance Ion 63.90 (63.60 to 64.60): VDC

Ion 65.90 (65.60 to 66.60): VDC



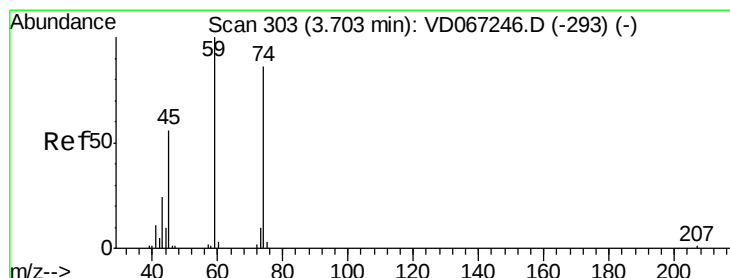
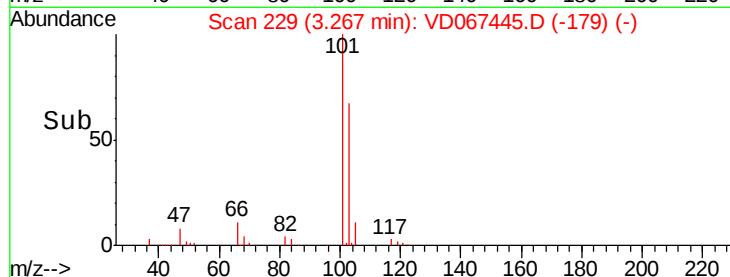
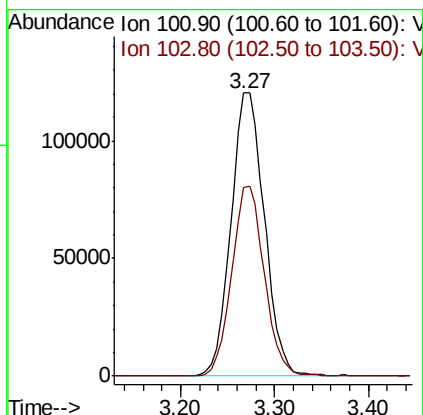
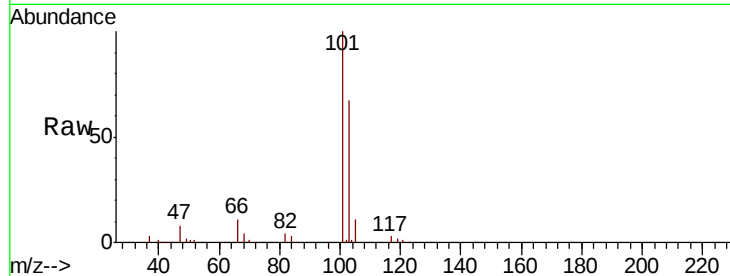


#7

Trichlorofluoromethane
Concen: 51.051 ug/l
RT: 3.27 min Scan# 229
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
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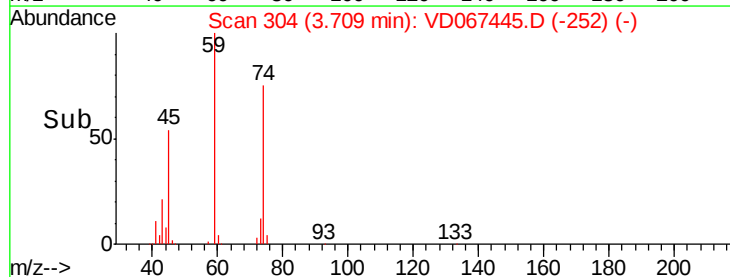
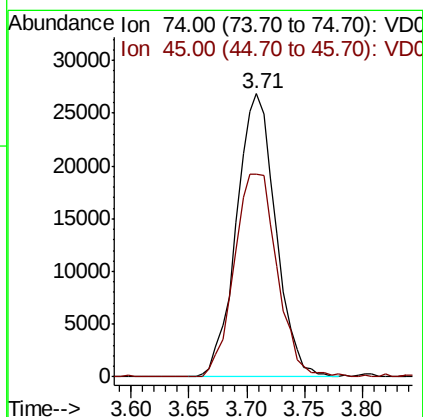
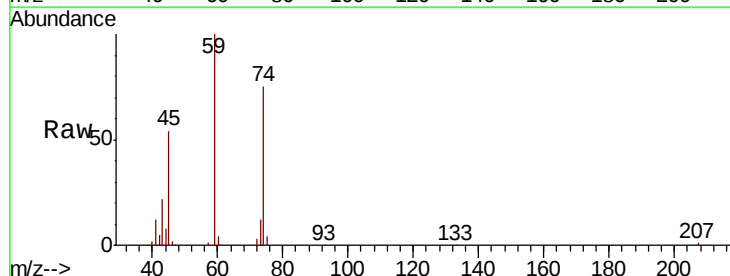
Tot Ion:101 Resp: 297329
Ion Ratio Lower Upper
101 100
103 66.7 53.1 79.7

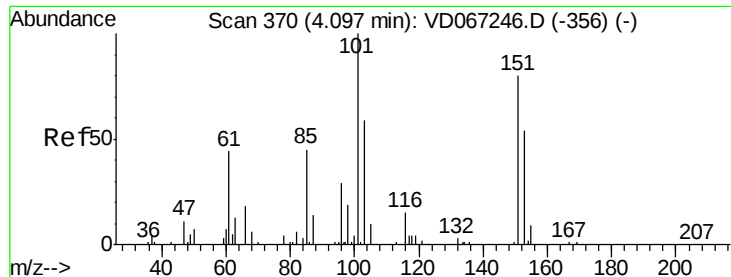


#8

Diethyl Ether
Concen: 47.440 ug/l
RT: 3.71 min Scan# 304
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 74 Resp: 63224
Ion Ratio Lower Upper
74 100
45 78.3 37.0 111.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 51.970 ug/l

RT: 4.09 min Scan# 369

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

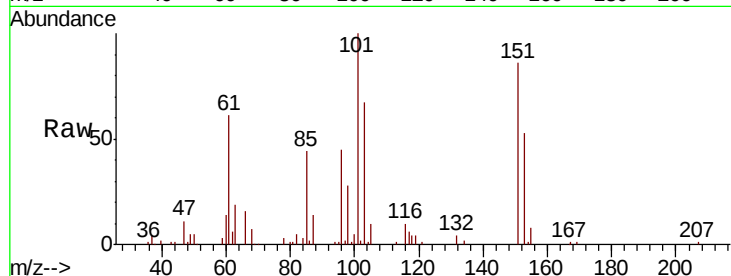
Tot Ion:101 Resp: 160813

Ion Ratio Lower Upper

101 100

85 43.7 34.2 51.4

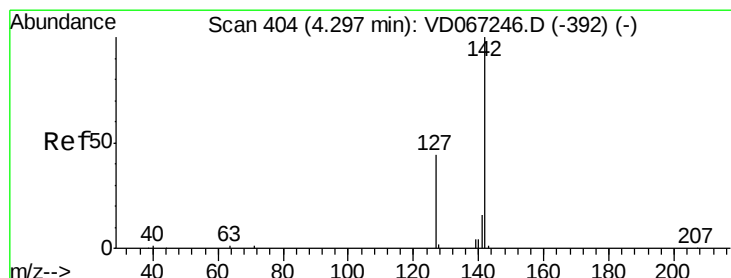
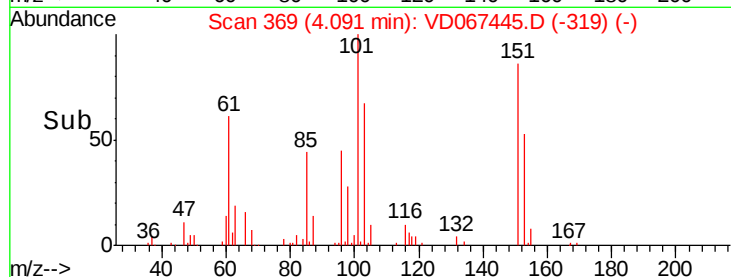
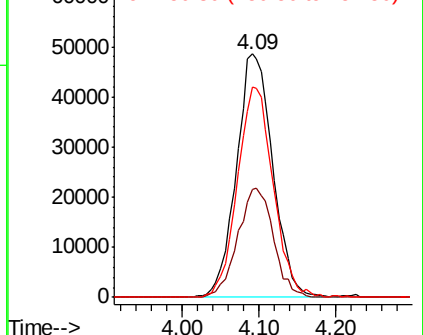
151 84.8 66.3 99.5



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: 53.805 ug/l

RT: 4.30 min Scan# 405

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

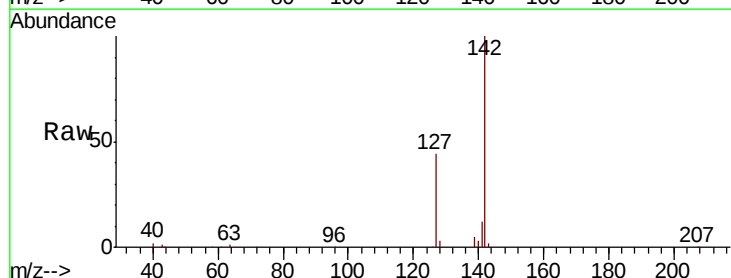
Tgt Ion:142 Resp: 153582

Ion Ratio Lower Upper

142 100

127 48.6 38.4 57.6

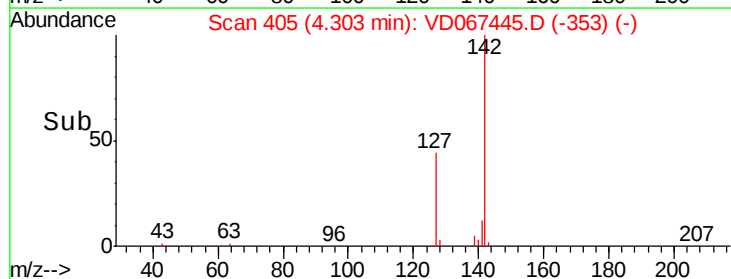
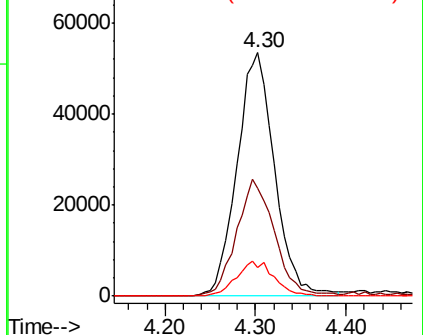
141 14.5 11.6 17.4

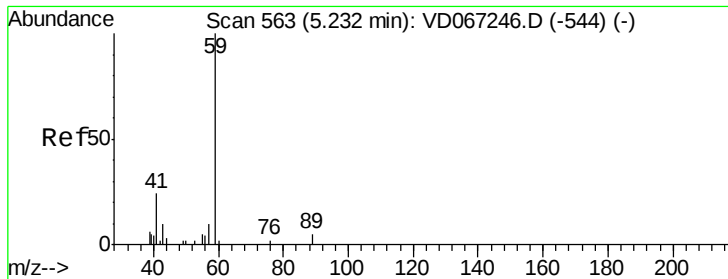


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

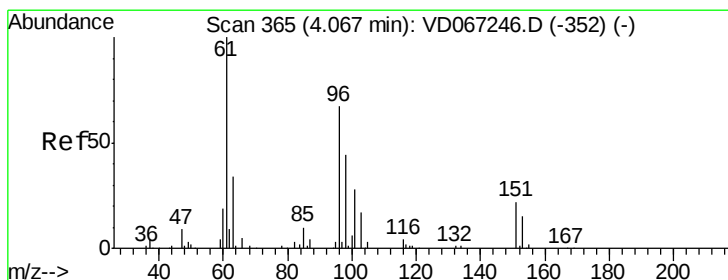
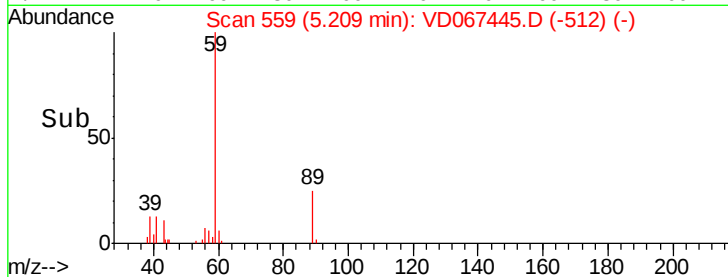
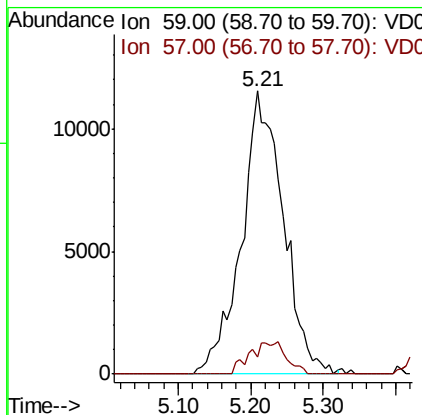
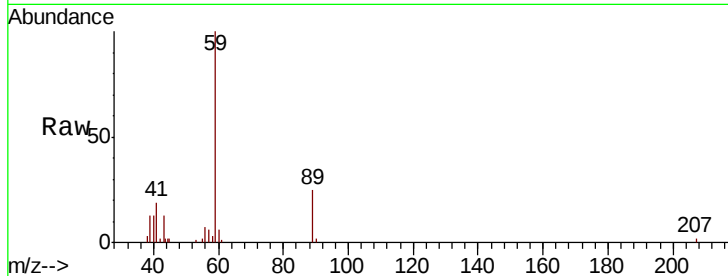




#11
Tert butyl alcohol
Concen: 269.237 ug/l
RT: 5.21 min Scan# 559
Delta R.T. -0.02 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

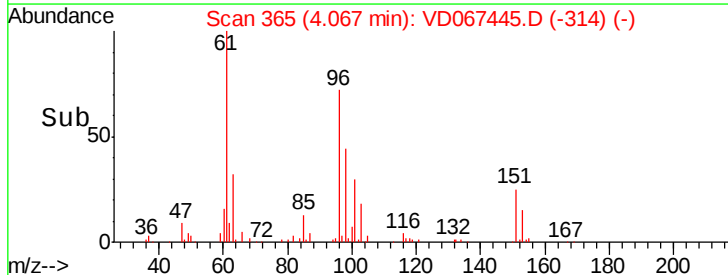
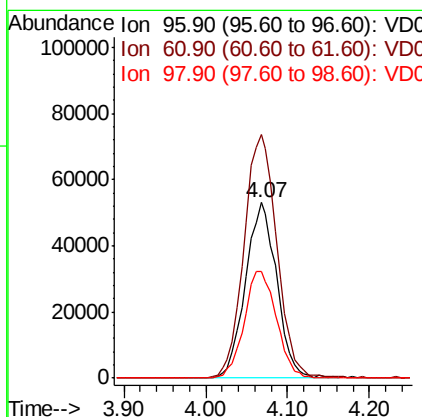
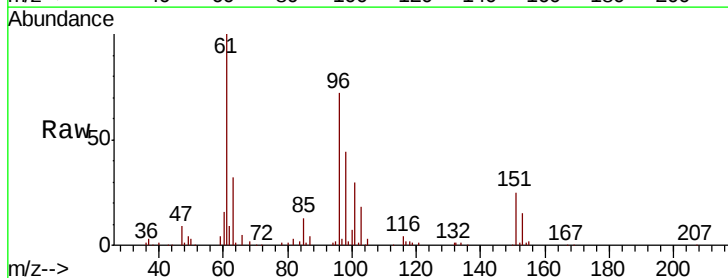
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

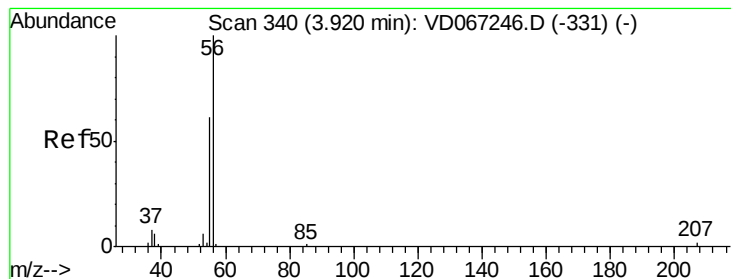
Tot Ion: 59 Resp: 46360
Ion Ratio Lower Upper
59 100
57 0.0 5.1 7.7#



#12
1,1-Dichloroethene
Concen: 50.985 ug/l
RT: 4.07 min Scan# 365
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 96 Resp: 140943
Ion Ratio Lower Upper
96 100
61 138.8 118.6 177.8
98 60.9 51.8 77.6





#13

Acrolein

Concen: 207.844 ug/l

RT: 3.92 min Scan# 340

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

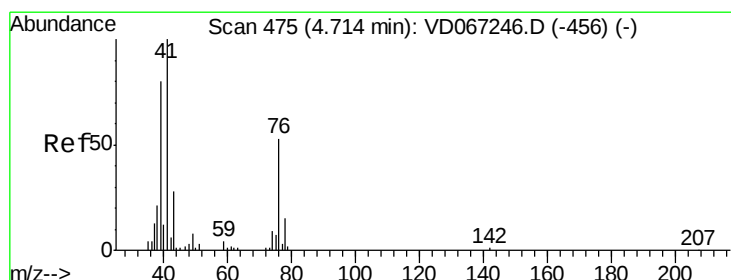
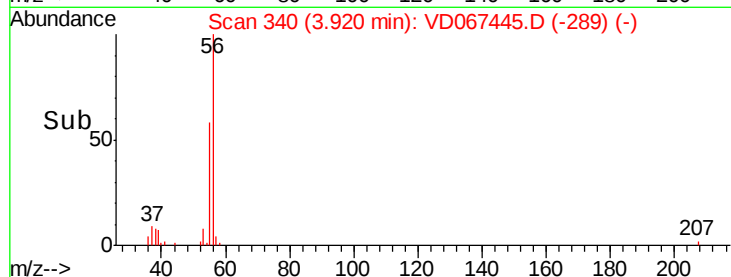
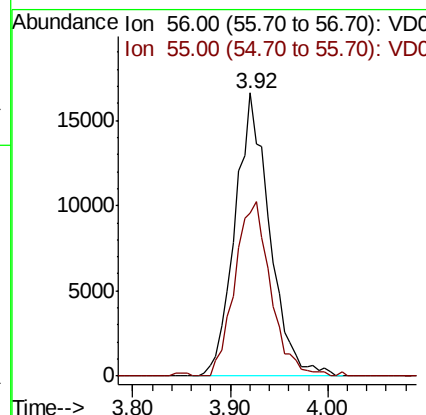
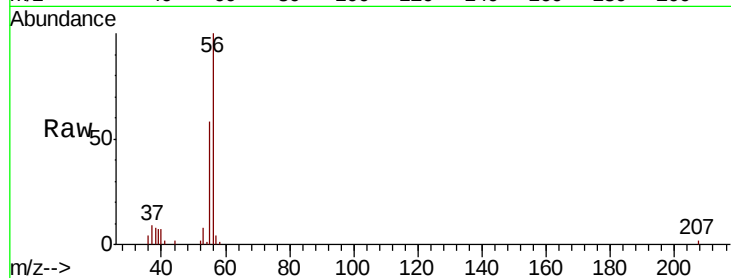
VSTDCCC050

Tot Ion: 56 Resp: 40882

Ion Ratio Lower Upper

56 100

55 63.5 56.0 84.0



#14

Allyl chloride

Concen: 50.885 ug/l

RT: 4.71 min Scan# 475

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

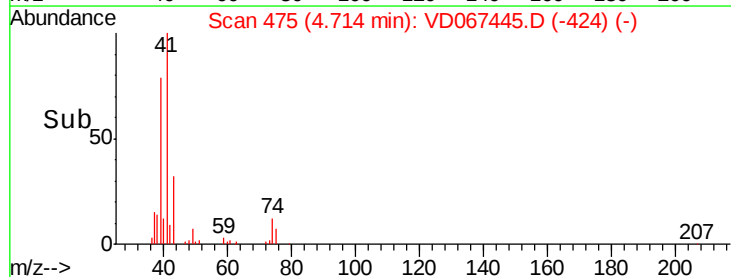
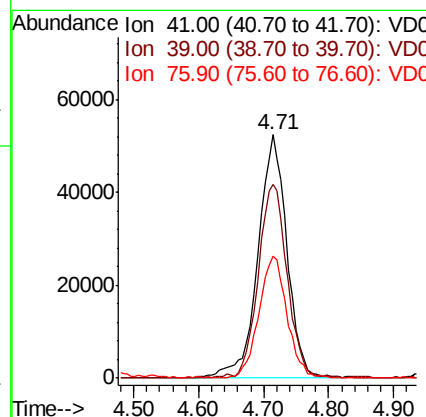
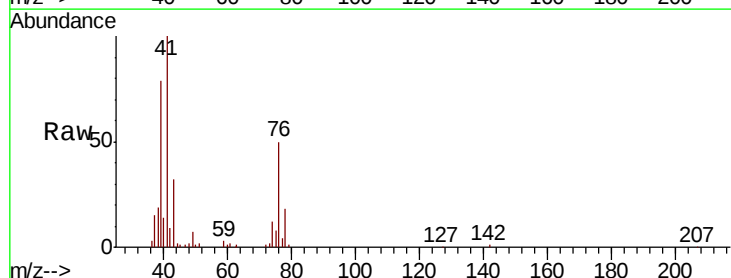
Tgt Ion: 41 Resp: 161089

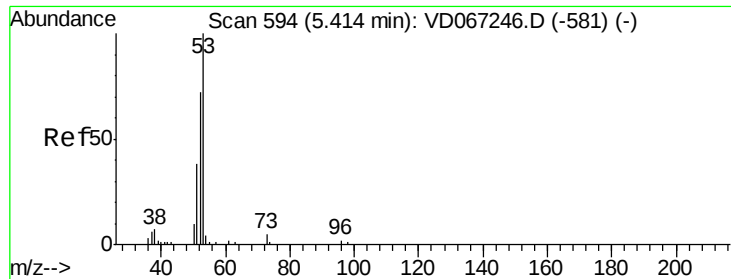
Ion Ratio Lower Upper

41 100

39 79.5 63.8 95.6

76 48.7 40.4 60.6





#15

Acrylonitrile

Concen: 267.362 ug/l

RT: 5.42 min Scan# 595

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleID :

VSTDCCC050

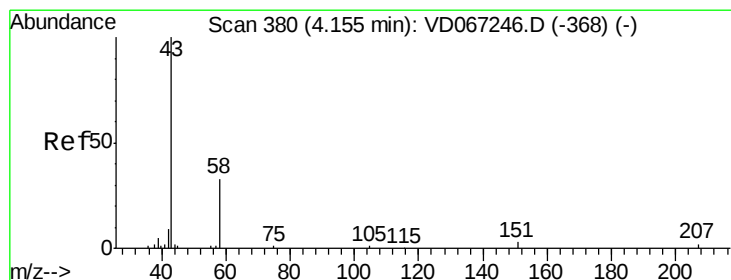
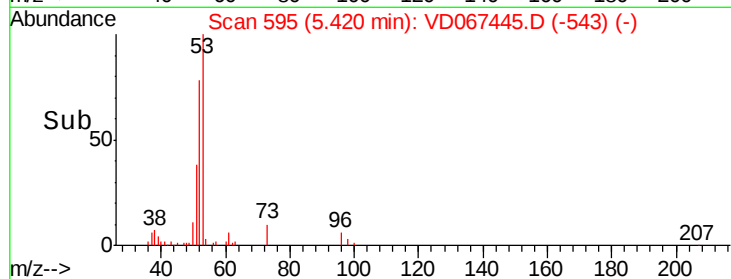
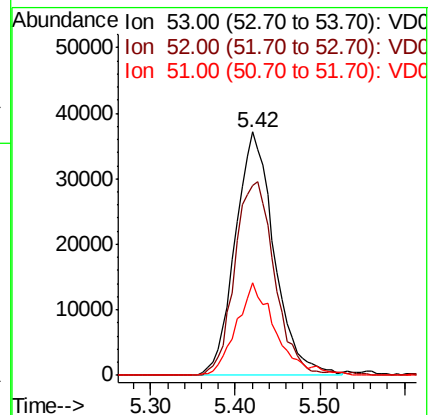
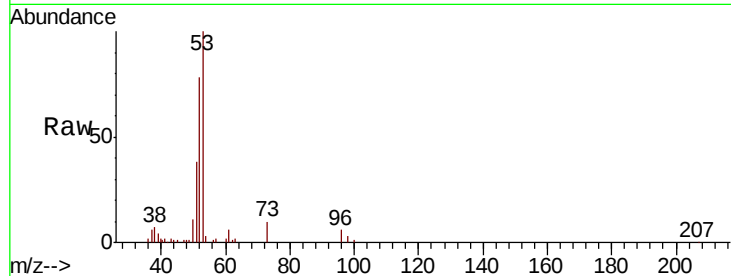
Tot Ion: 53 Resp: 118893

Ion Ratio Lower Upper

53 100

52 80.6 65.6 98.4

51 38.3 30.8 46.2



#16

Acetone

Concen: 305.739 ug/l

RT: 4.16 min Scan# 380

Delta R.T. 0.00 min

Lab File: VD067445.D

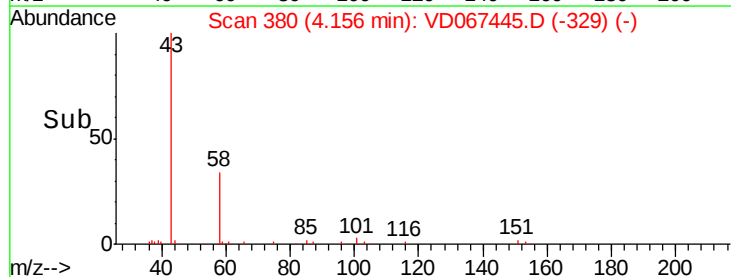
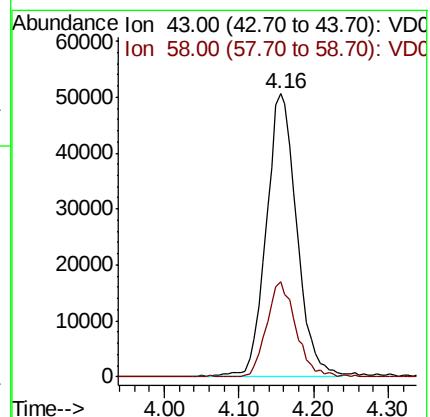
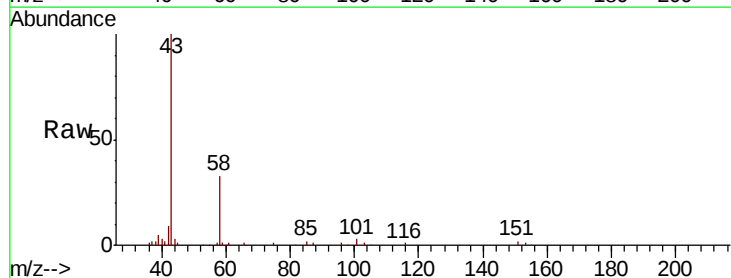
Acq: 29 Oct 2020 11:35

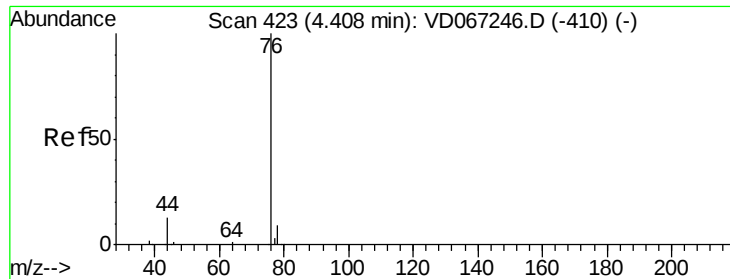
Tgt Ion: 43 Resp: 143686

Ion Ratio Lower Upper

43 100

58 33.5 26.1 39.1

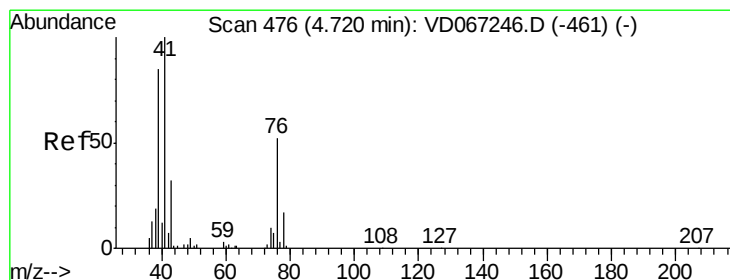
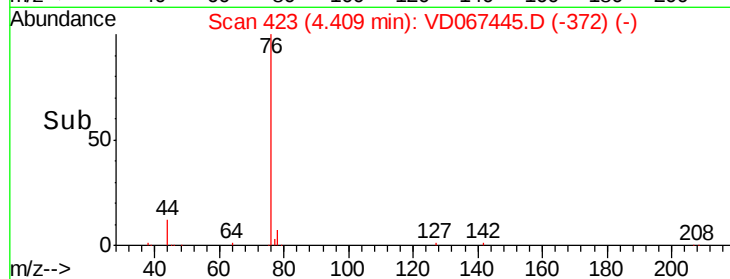
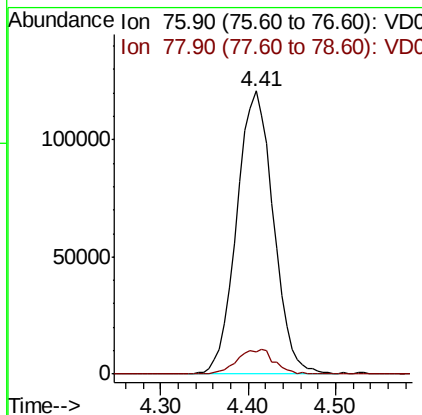
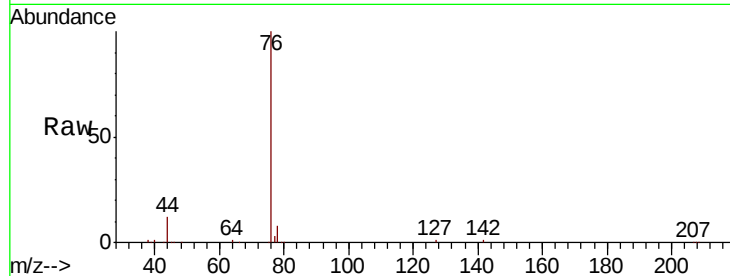




#17
Carbon Disulfide
Concen: 43.599 ug/l
RT: 4.41 min Scan# 423
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

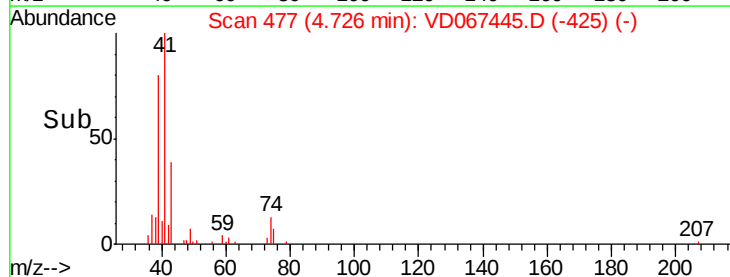
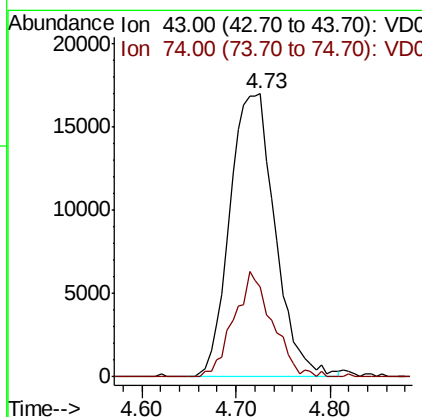
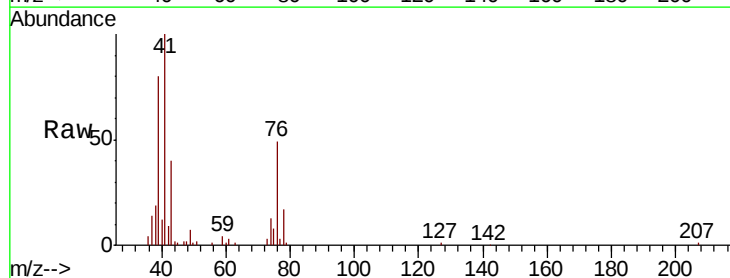
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

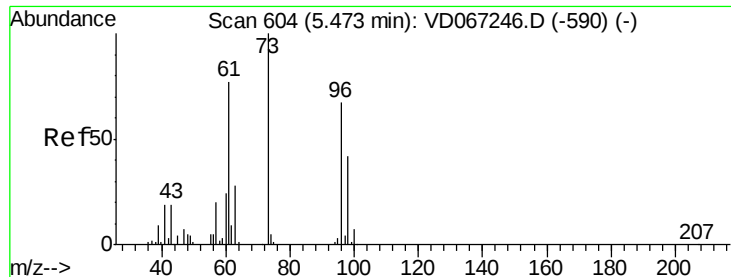
Tot Ion: 76 Resp: 343595
Ion Ratio Lower Upper
76 100
78 8.1 7.4 11.0



#18
Methyl Acetate
Concen: 52.999 ug/l
RT: 4.73 min Scan# 477
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 43 Resp: 56811
Ion Ratio Lower Upper
43 100
74 31.5 26.6 39.8

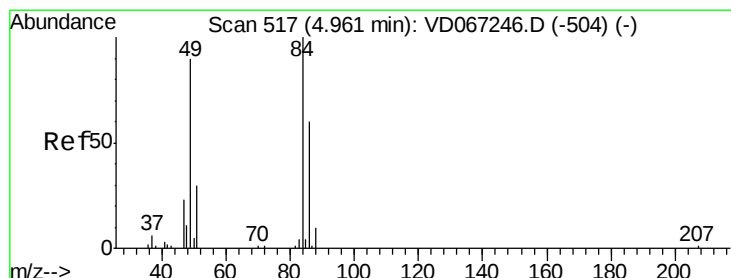
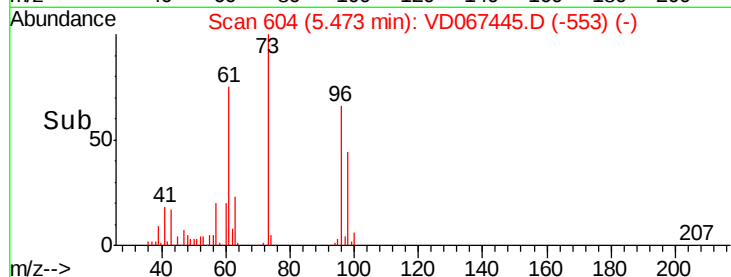
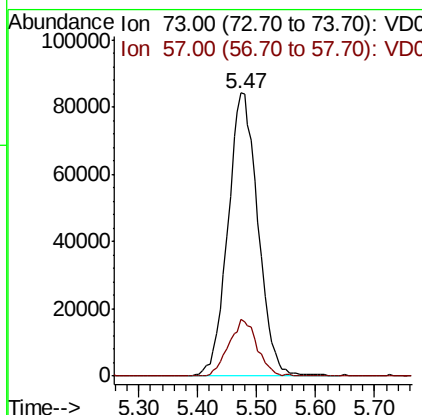
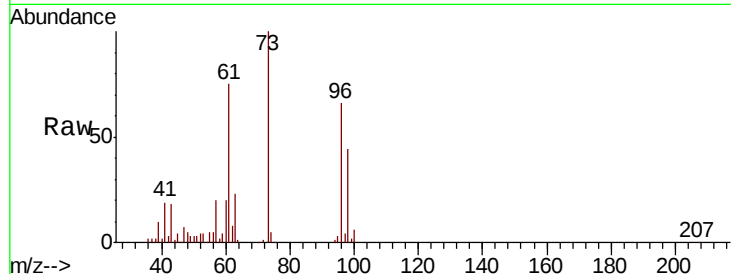




#19
Methyl tert-butyl Ether
Concen: 54.385 ug/l
RT: 5.47 min Scan# 604
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

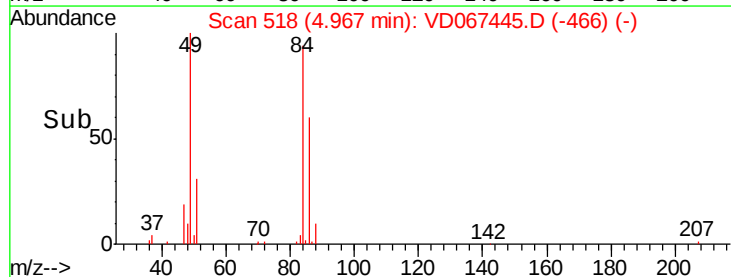
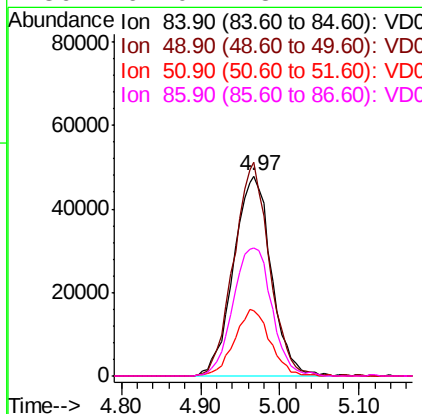
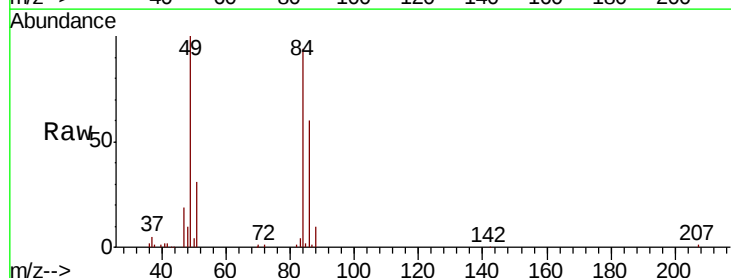
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

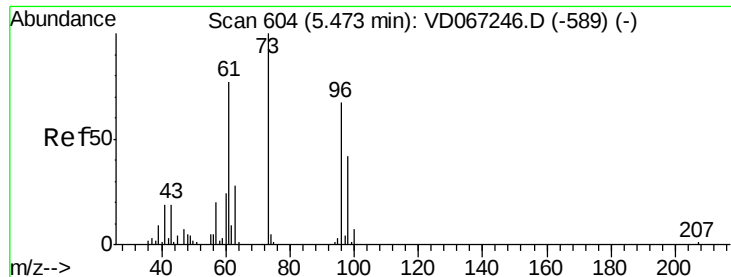
Tot Ion: 73 Resp: 298940
Ion Ratio Lower Upper
73 100
57 20.0 15.7 23.5



#20
Methylene Chloride
Concen: 52.677 ug/l
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 84 Resp: 157853
Ion Ratio Lower Upper
84 100
49 106.9 72.2 108.2
51 32.8 23.8 35.8
86 64.0 48.2 72.4





#21

trans-1,2-Dichloroethene

Concen: 51.520 ug/l

RT: 5.47 min Scan# 604

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

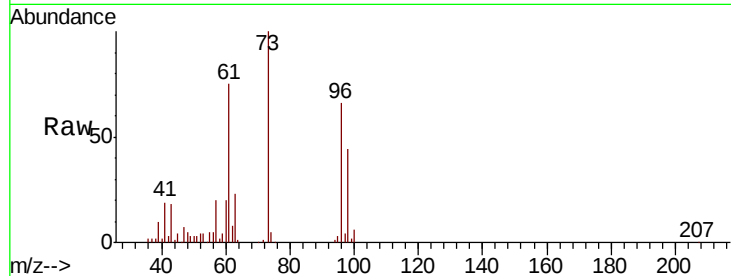
Tot Ion: 96 Resp: 163896

Ion Ratio Lower Upper

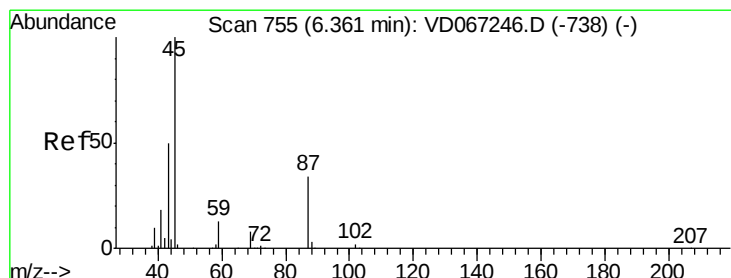
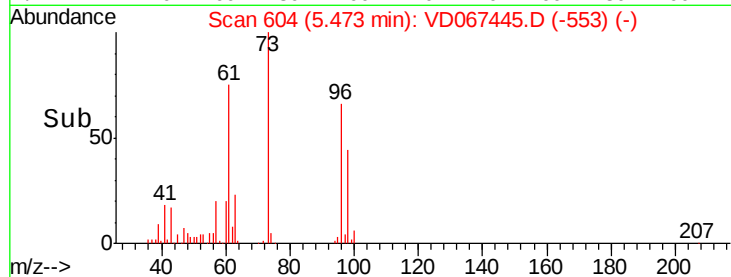
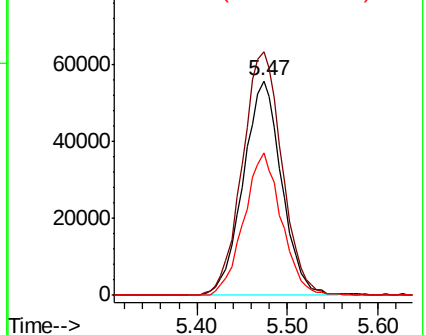
96 100

61 113.6 92.0 138.0

98 66.7 49.8 74.8



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



#22

Diisopropyl ether

Concen: 53.838 ug/l

RT: 6.36 min Scan# 755

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion: 45 Resp: 311348

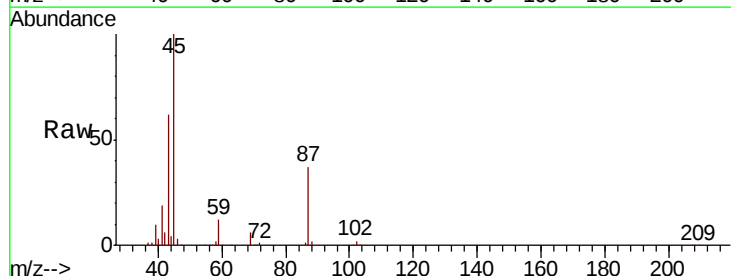
Ion Ratio Lower Upper

45 100

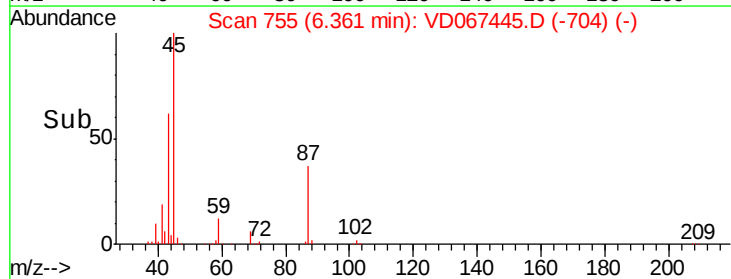
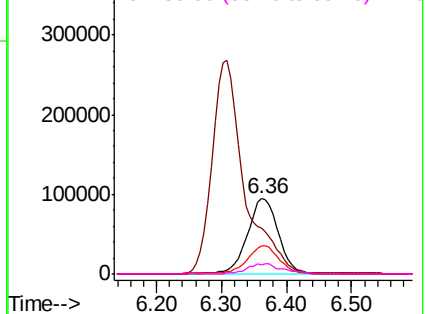
43 60.4 48.0 72.0

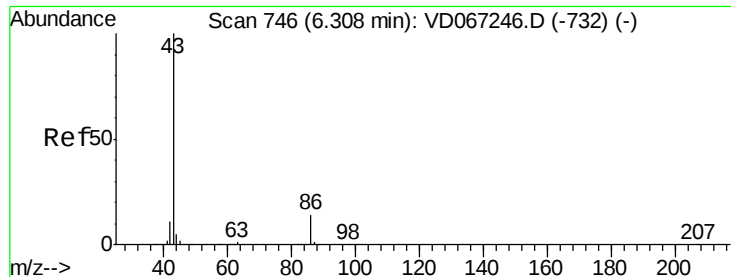
87 36.8 28.5 42.7

59 11.7 10.5 15.7



Abundance Ion 45.00 (44.70 to 45.70): VDC
Ion 43.00 (42.70 to 43.70): VDC
Ion 87.00 (86.70 to 87.70): VDC
Ion 59.00 (58.70 to 59.70): VDC





#23

Vinyl Acetate

Concen: 280.808 ug/l

RT: 6.31 min Scan# 746

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

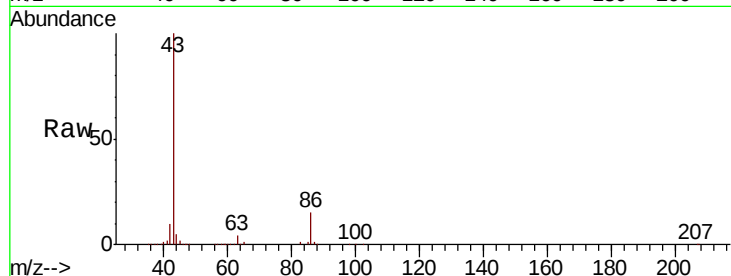
VSTDCCC050

Tot Ion: 43 Resp: 923886

Ion Ratio Lower Upper

43 100

86 14.9 11.0 16.6



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 86.00 (85.70 to 86.70): VDC

6.31

300000

250000

200000

150000

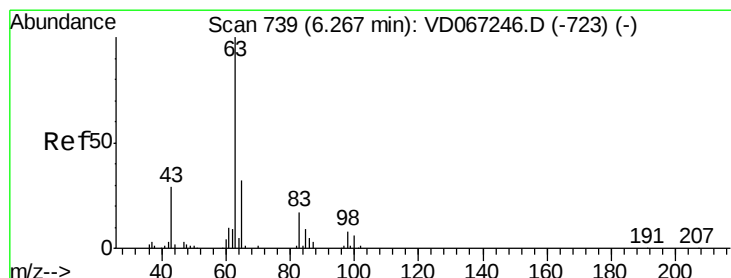
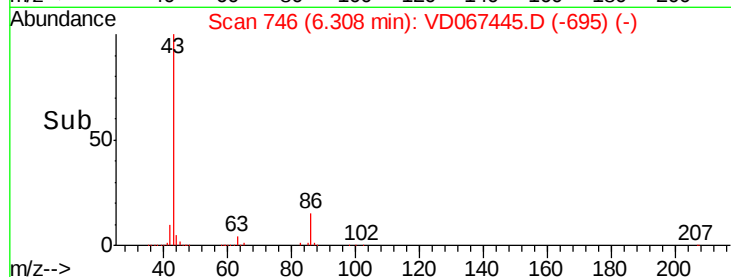
100000

50000

0

6.20 6.30 6.40 6.50

Time-->



#24

1,1-Dichloroethane

Concen: 51.776 ug/l

RT: 6.27 min Scan# 739

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

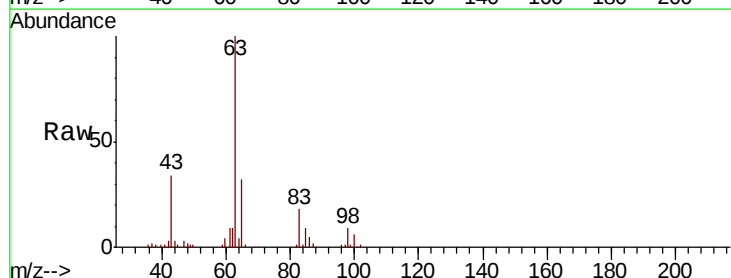
Tgt Ion: 63 Resp: 256308

Ion Ratio Lower Upper

63 100

98 9.2 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

6.27

100000

80000

60000

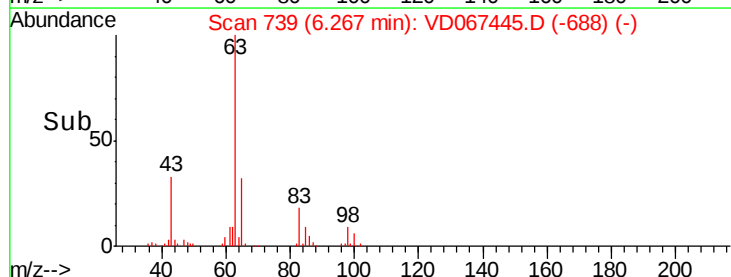
40000

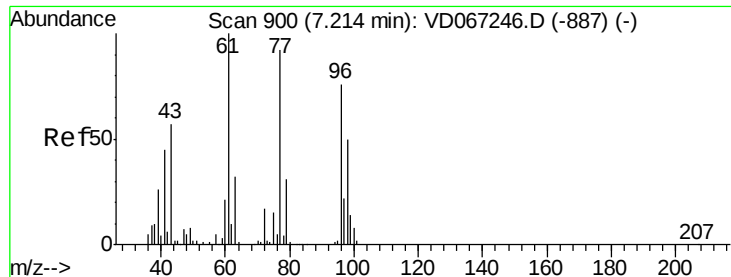
20000

0

6.10 6.20 6.30 6.40

Time-->





#25

2-Butanone

Concen: 274.292 ug/l

RT: 7.21 min Scan# 900

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

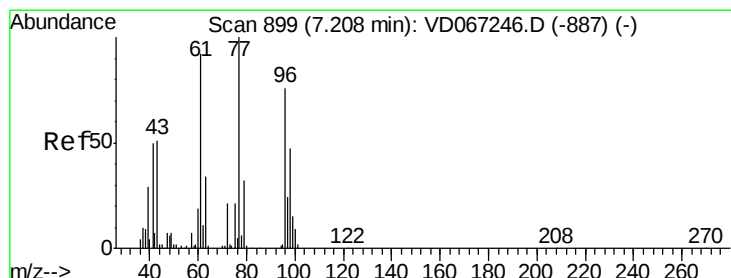
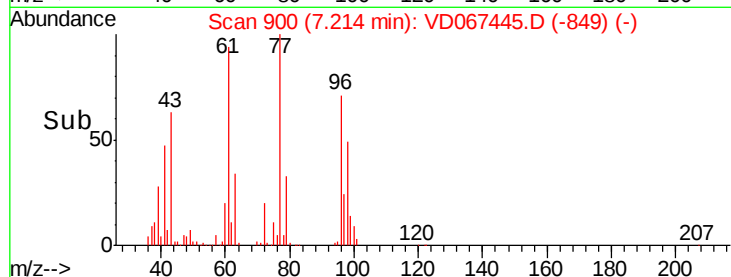
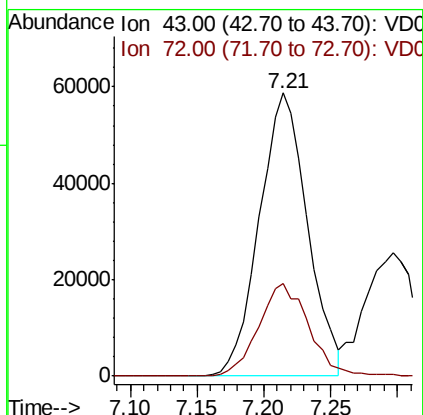
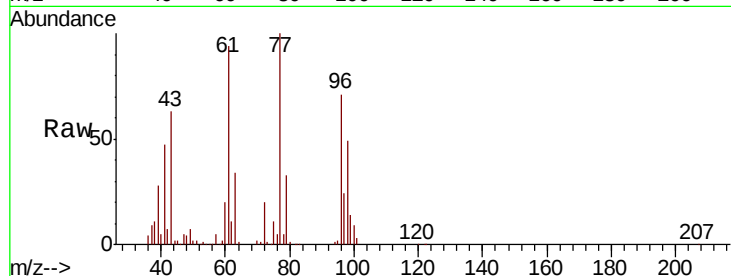
VSTDCCC050

Tot Ion: 43 Resp: 146941

Ion Ratio Lower Upper

43 100

72 32.5 23.7 35.5



#26

2,2-Dichloropropane

Concen: 55.120 ug/l

RT: 7.21 min Scan# 899

Delta R.T. 0.00 min

Lab File: VD067445.D

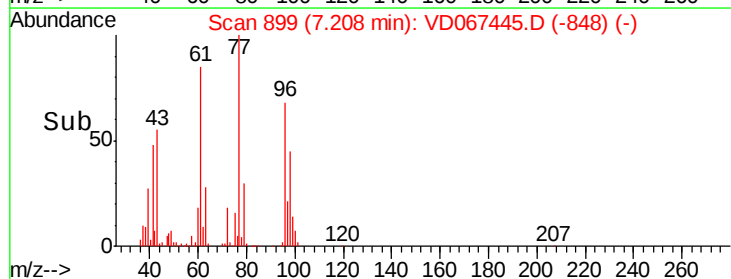
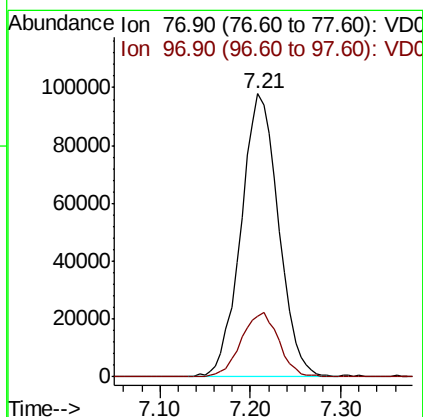
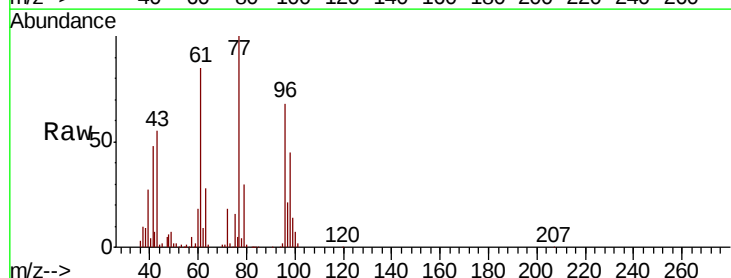
Acq: 29 Oct 2020 11:35

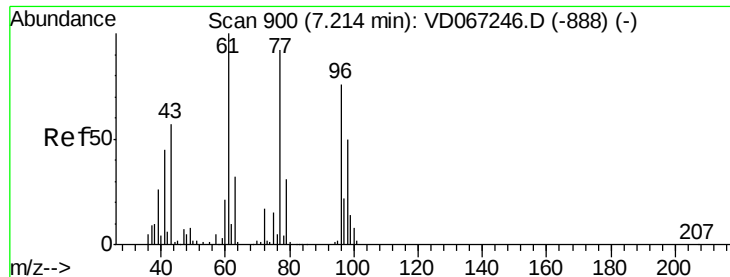
Tgt Ion: 77 Resp: 281249

Ion Ratio Lower Upper

77 100

97 23.0 11.4 34.2



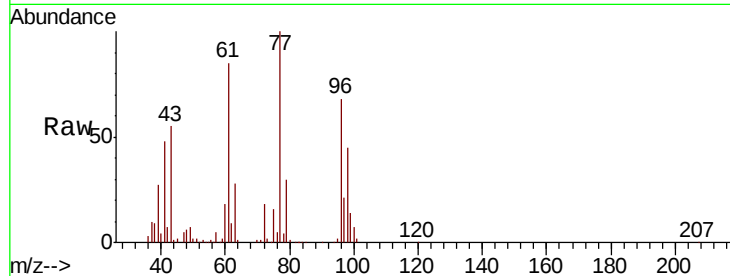


#27

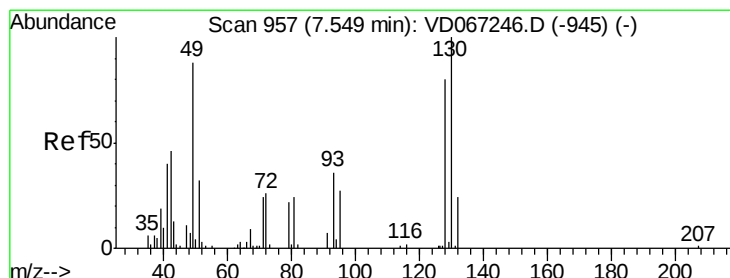
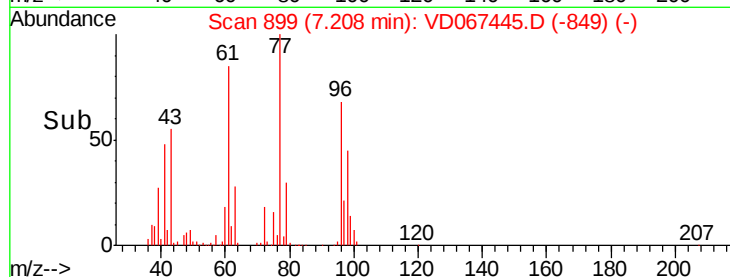
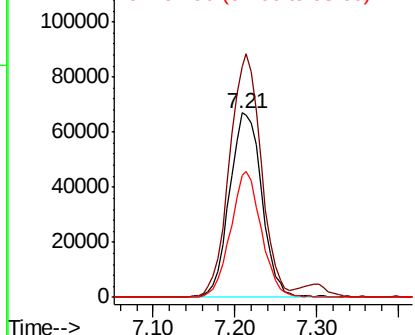
cis-1,2-Dichloroethene
Concen: 52.984 ug/l
RT: 7.21 min Scan# 899
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion: 96 Resp: 184727
Ion Ratio Lower Upper
96 100
61 128.8 0.0 255.4
98 64.7 0.0 128.0



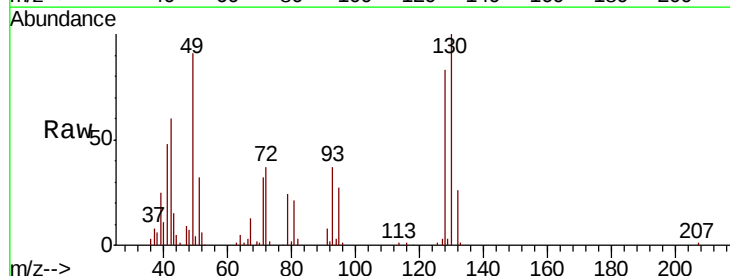
Abundance Ion 95.90 (95.60 to 96.60): VDC
Ion 60.90 (60.60 to 61.60): VDC
Ion 97.90 (97.60 to 98.60): VDC



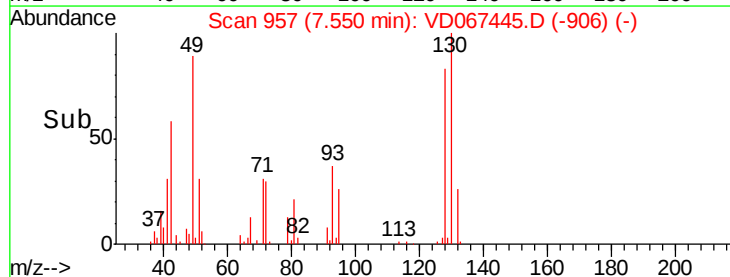
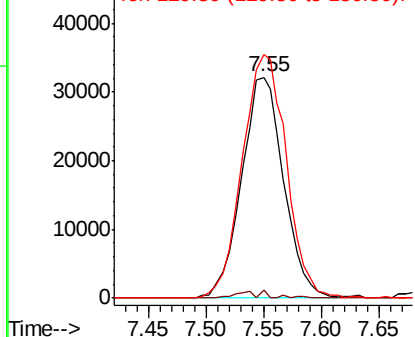
#28

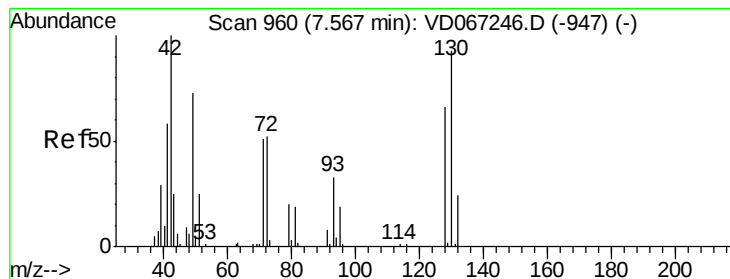
Bromochloromethane
Concen: 48.237 ug/l
RT: 7.55 min Scan# 957
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 49 Resp: 81448
Ion Ratio Lower Upper
49 100
129 1.1 0.0 1.6
130 115.3 91.0 136.6



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





#29

Tetrahydrofuran

Concen: 274.891 ug/l

RT: 7.56 min Scan# 959

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

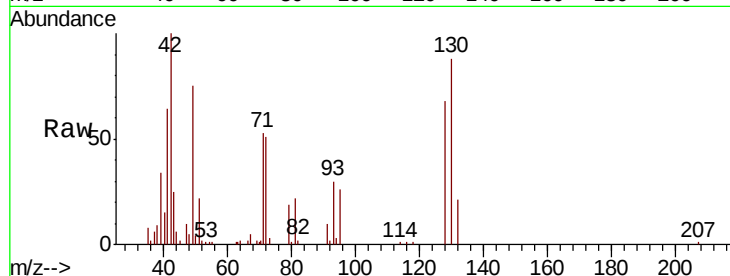
Tot Ion: 42 Resp: 81860

Ion Ratio Lower Upper

42 100

72 55.0 43.2 64.8

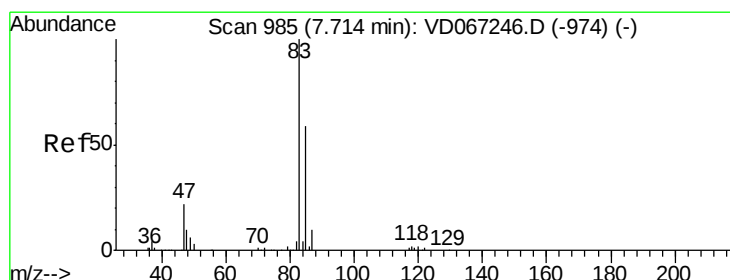
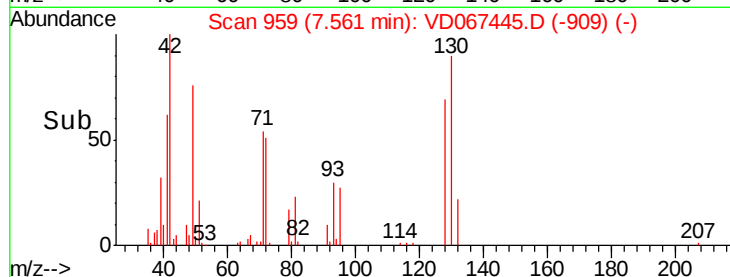
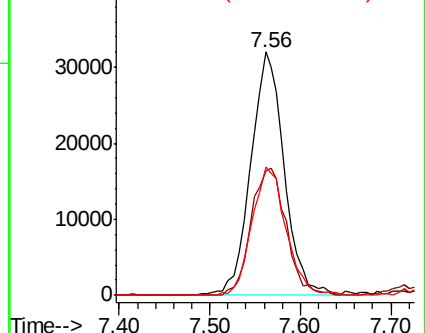
71 54.0 39.4 59.0



Abundance Ion 42.00 (41.70 to 42.70): VDC

Ion 72.00 (71.70 to 72.70): VDC

Ion 71.00 (70.70 to 71.70): VDC



#30

Chloroform

Concen: 52.961 ug/l

RT: 7.71 min Scan# 985

Delta R.T. 0.00 min

Lab File: VD067445.D

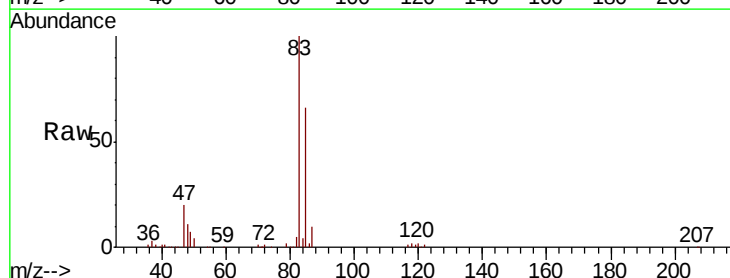
Acq: 29 Oct 2020 11:35

Tgt Ion: 83 Resp: 313192

Ion Ratio Lower Upper

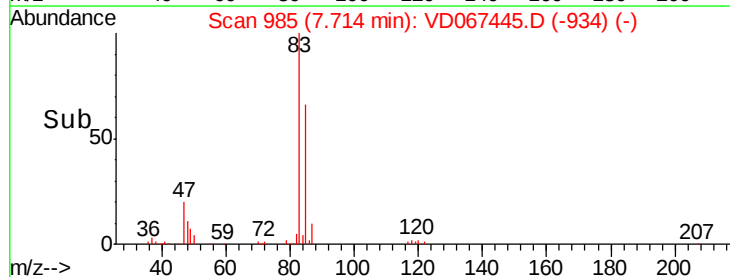
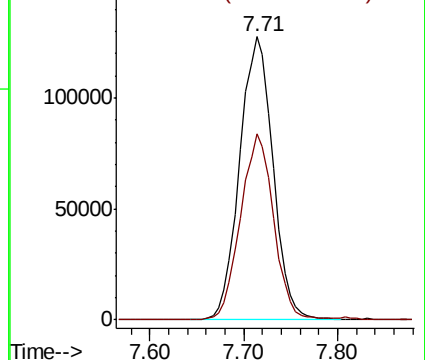
83 100

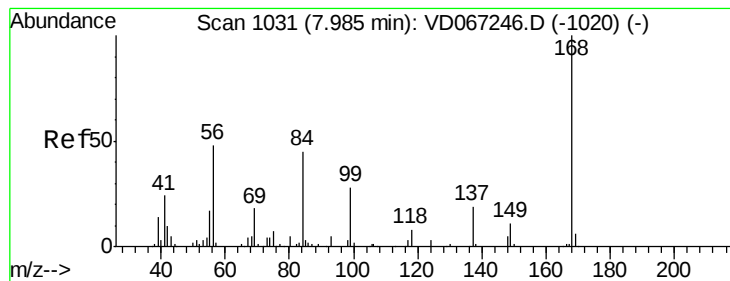
85 65.7 47.3 70.9



Abundance Ion 82.90 (82.60 to 83.60): VDC

Ion 84.90 (84.60 to 85.60): VDC





#31

Cyclohexane

Concen: 48.988 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

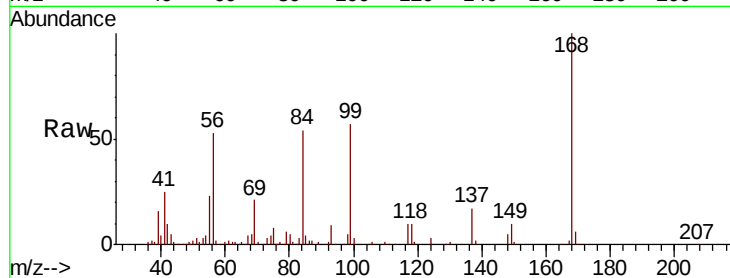
Tot Ion: 56 Resp: 189339

Ion Ratio Lower Upper

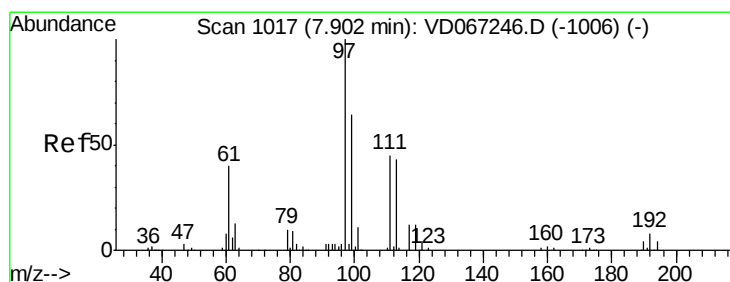
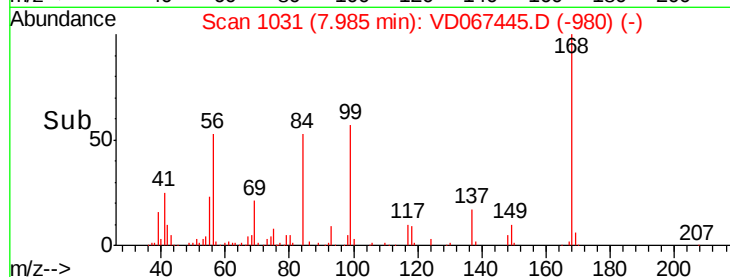
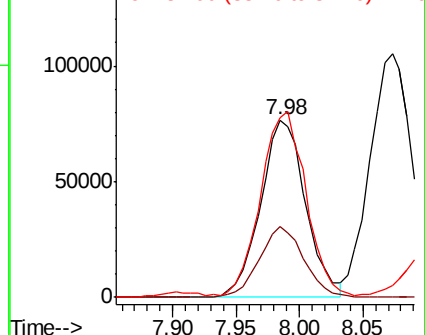
56 100

69 39.8 29.8 44.6

84 99.4 76.6 114.8



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



#32

1,1,1-Trichloroethane

Concen: 53.572 ug/l

RT: 7.90 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

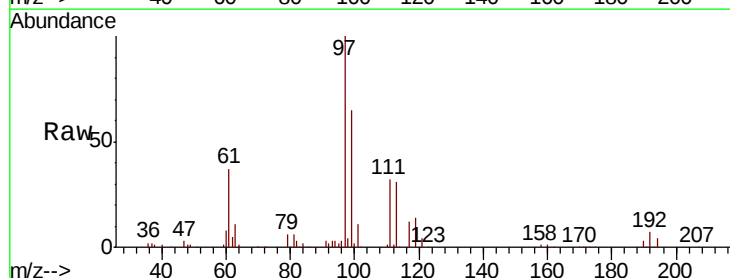
Tgt Ion: 97 Resp: 310842

Ion Ratio Lower Upper

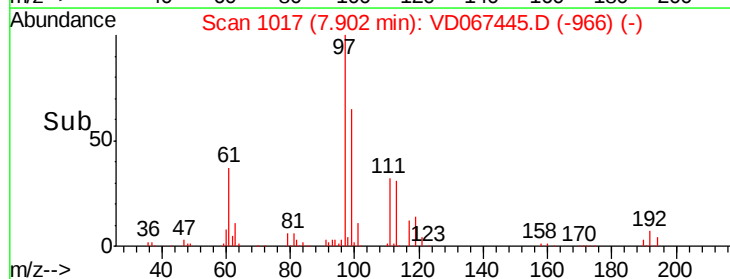
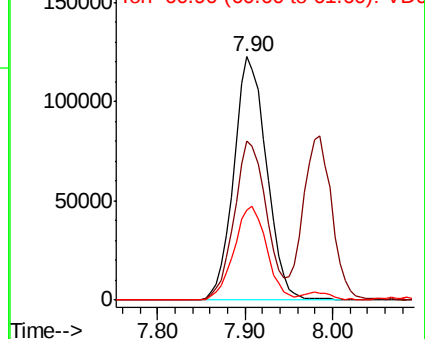
97 100

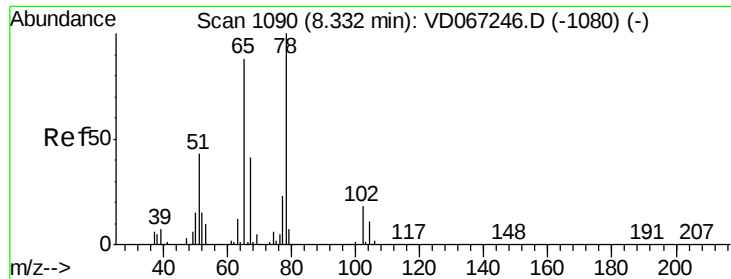
99 64.1 50.2 75.4

61 38.4 30.5 45.7



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





#33

1,2-Dichloroethane-d4

Concen: 43.371 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

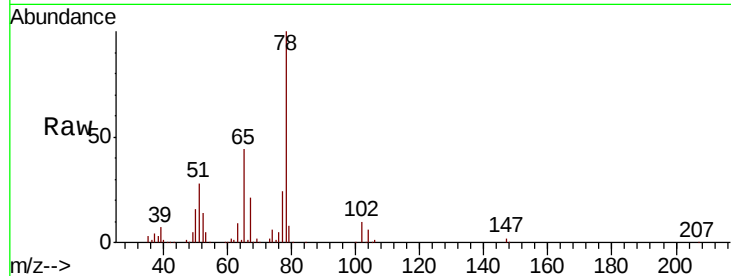
VSTDCCC050

Tot Ion: 65 Resp: 145540

Ion Ratio Lower Upper

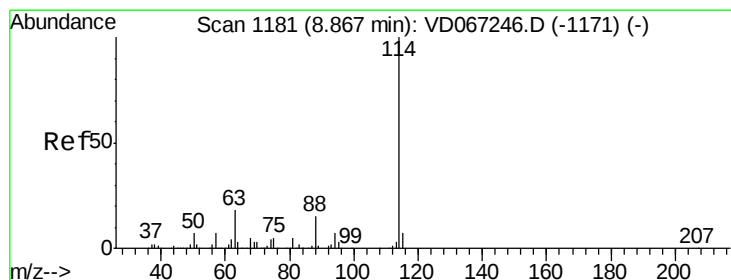
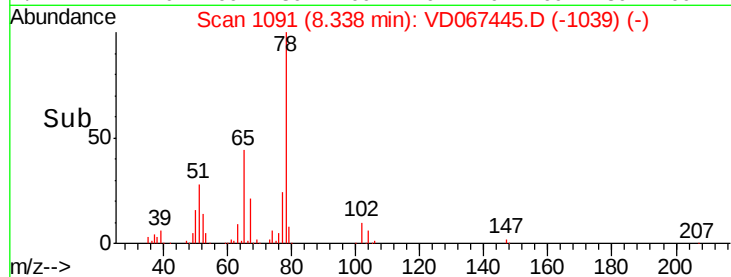
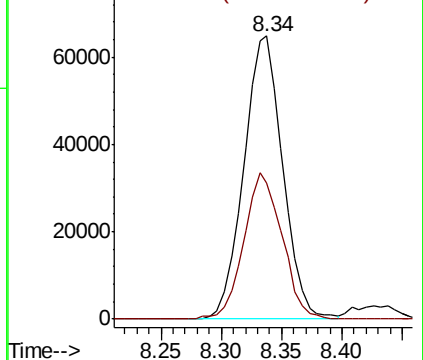
65 100

67 50.9 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: VD067445.D

Acq: 29 Oct 2020 11:35

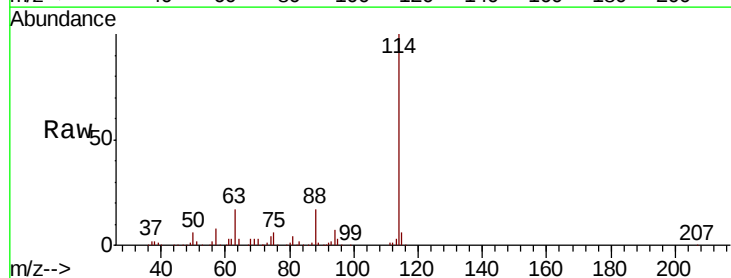
Tgt Ion: 114 Resp: 473457

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

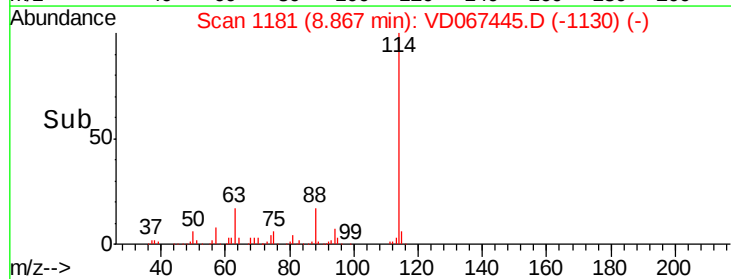
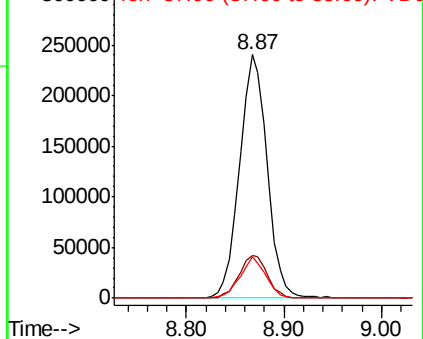
88 17.0 0.0 30.6

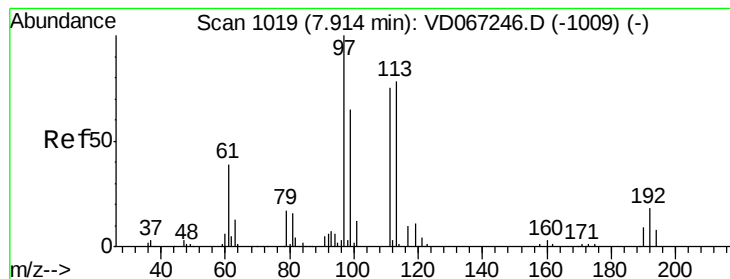


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC





#35

Dibromofluoromethane

Concen: 48.690 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

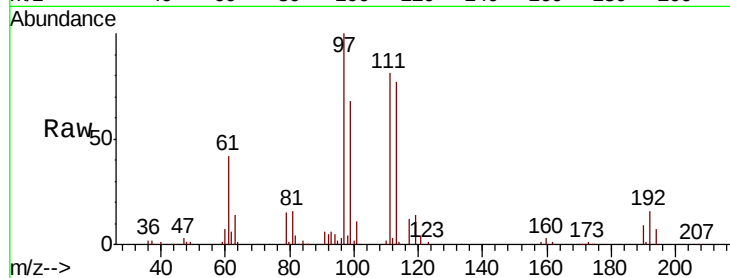
Tot Ion:113 Resp: 153417

Ion Ratio Lower Upper

113 100

111 101.5 81.6 122.4

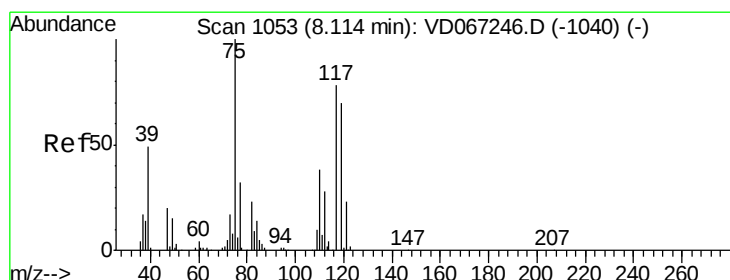
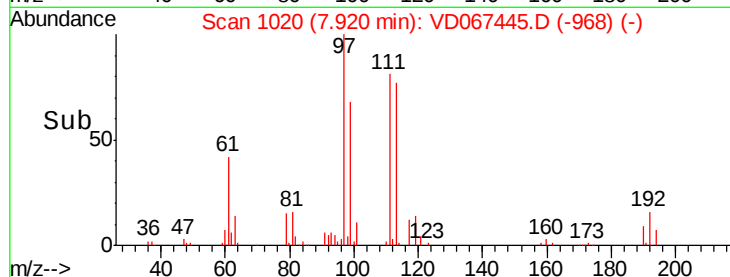
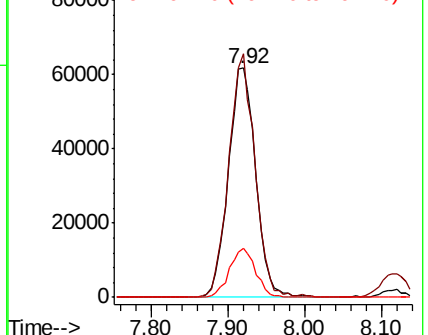
192 20.4 17.0 25.4



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: 56.240 ug/l

RT: 8.11 min Scan# 1053

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

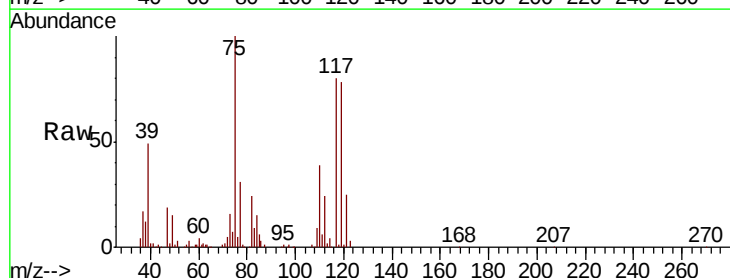
Tgt Ion: 75 Resp: 225685

Ion Ratio Lower Upper

75 100

110 38.8 19.6 58.7

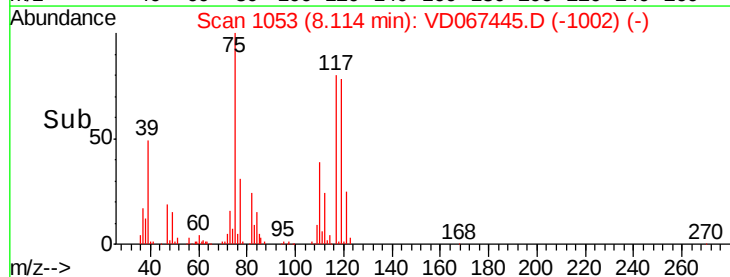
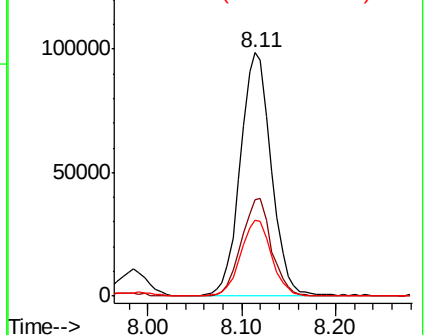
77 31.2 24.6 37.0

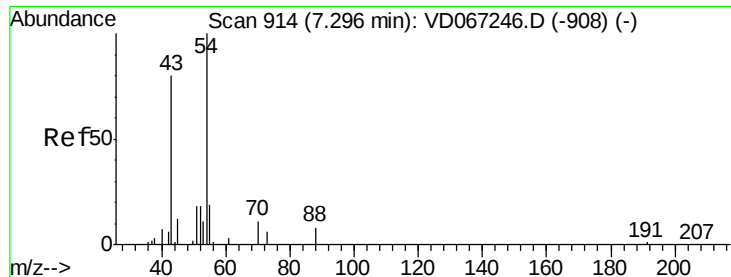


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

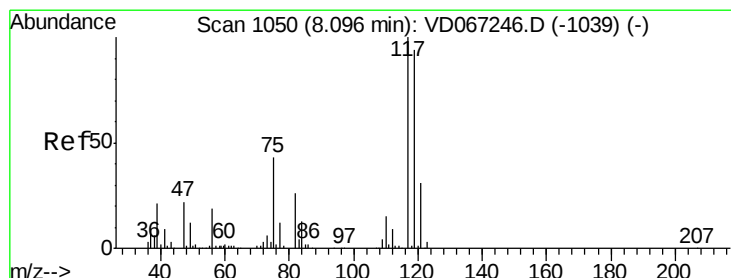
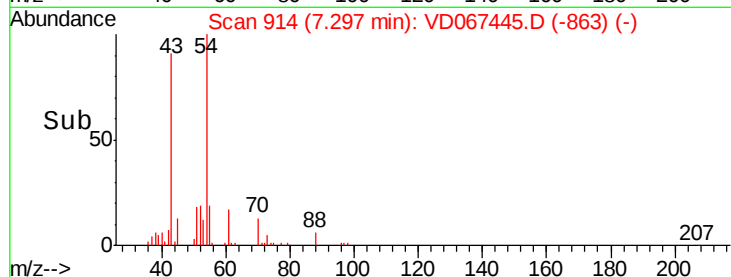
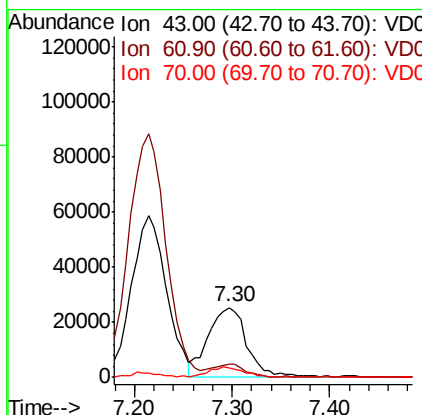
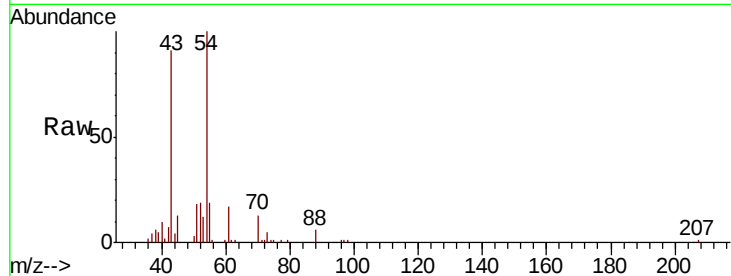




#37
Ethyl Acetate
Concen: 58.368 ug/l
RT: 7.30 min Scan# 914
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

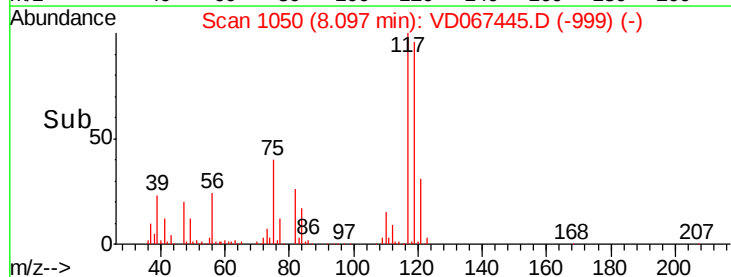
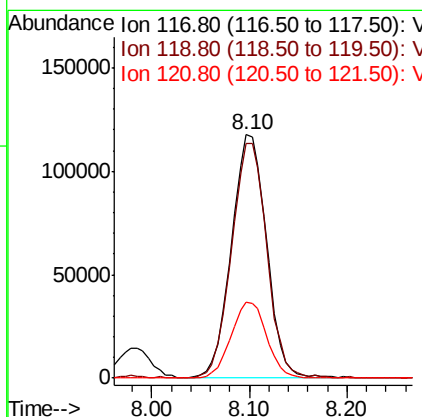
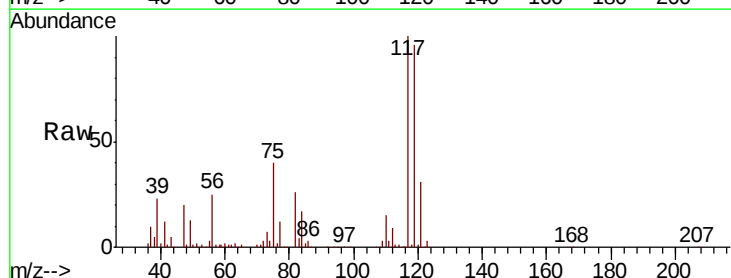
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

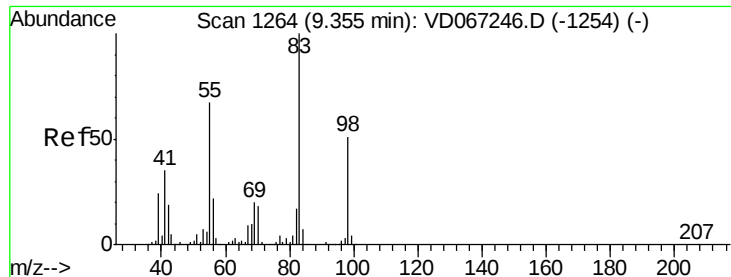
Tot Ion: 43 Resp: 68912
Ion Ratio Lower Upper
43 100
61 14.3 15.6 23.4#
70 13.2 10.4 15.6



#38
Carbon Tetrachloride
Concen: 57.141 ug/l
RT: 8.10 min Scan# 1050
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 117 Resp: 293065
Ion Ratio Lower Upper
117 100
119 96.3 75.0 112.4
121 31.0 24.9 37.3

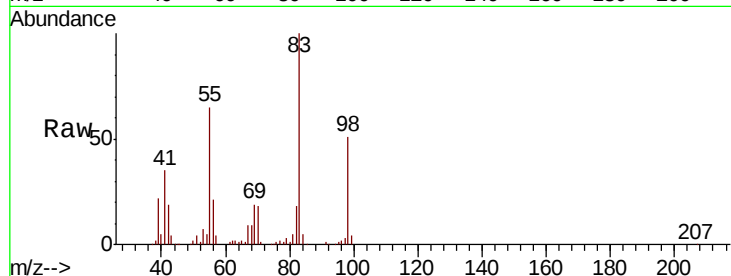




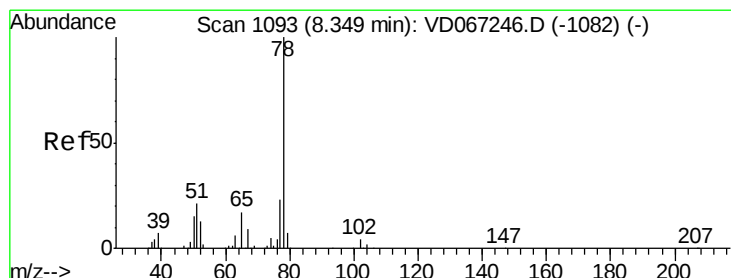
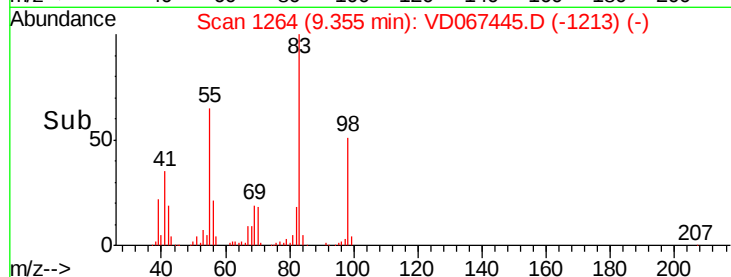
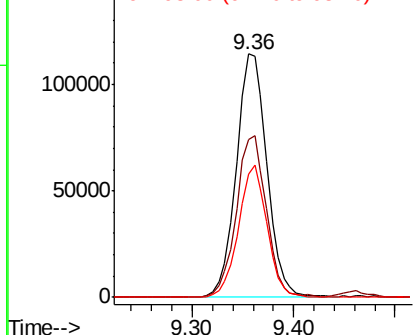
#39
Methvlcvclohexane
Concen: 57.273 ug/l
RT: 9.36 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion	83	Resp	240267
Ion Ratio	Lower	Upper	
83	100		
55	65.0	53.3	79.9
98	50.5	41.0	61.4

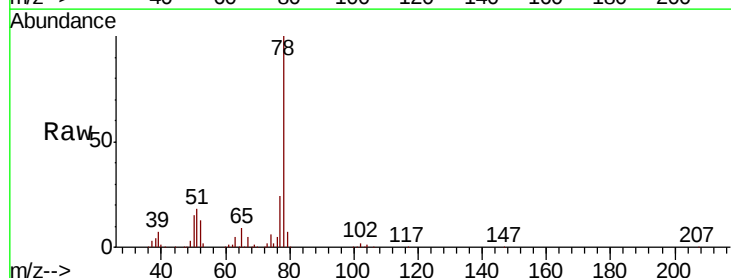


Abundance Ion 83.00 (82.70 to 83.70): VDC
Ion 55.00 (54.70 to 55.70): VDC
Ion 98.00 (97.70 to 98.70): VDC

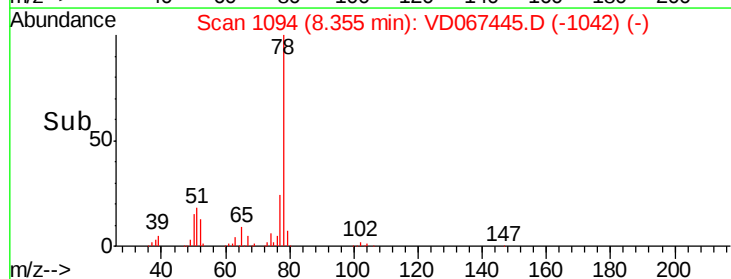
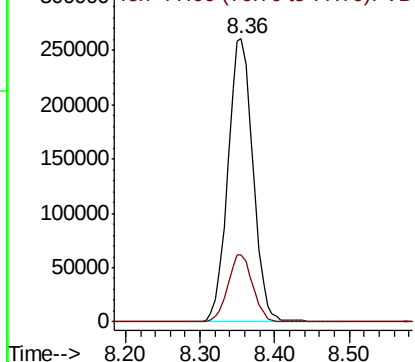


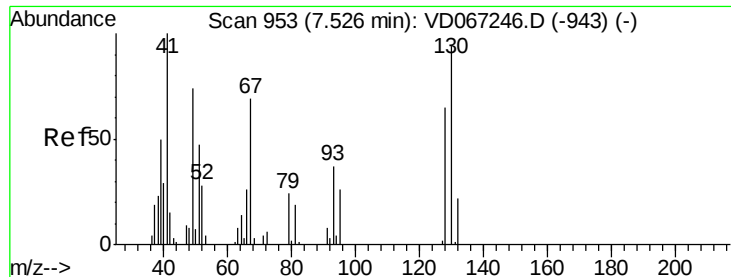
#40
Benzene
Concen: 55.290 ug/l
RT: 8.36 min Scan# 1094
Delta R.T. 0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion	78	Resp	608675
Ion Ratio	Lower	Upper	
78	100		
77	23.6	18.3	27.5



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

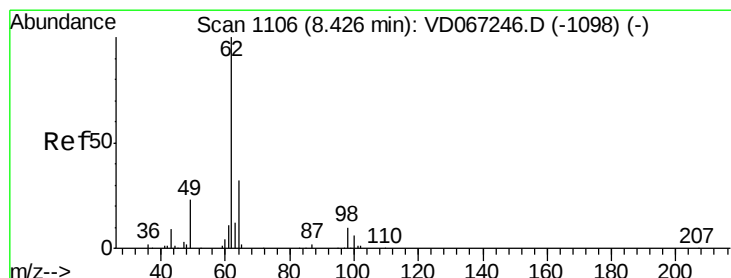
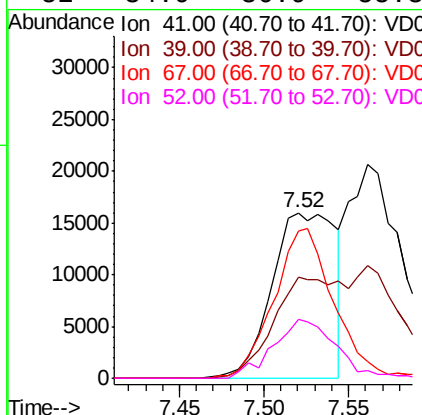
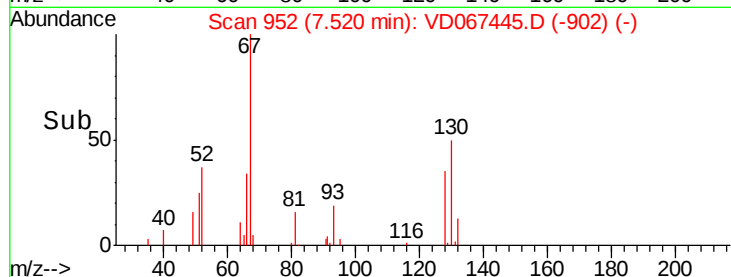
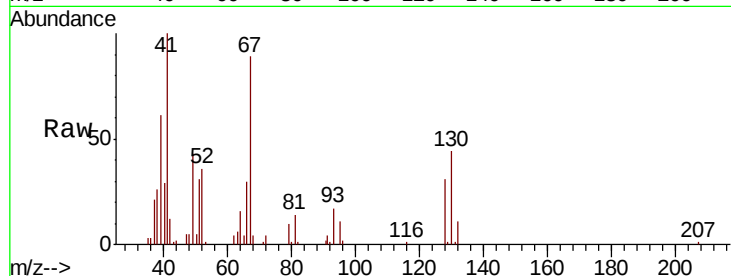




#41
Methacrylonitrile
Concen: 65.971 ug/l
RT: 7.52 min Scan# 952
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

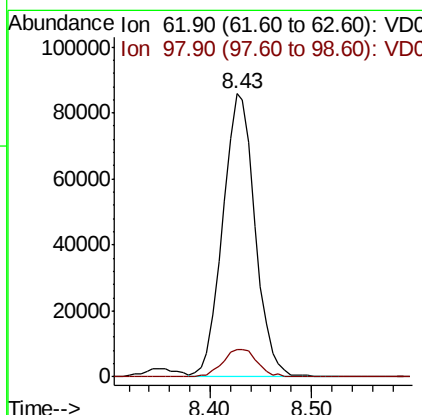
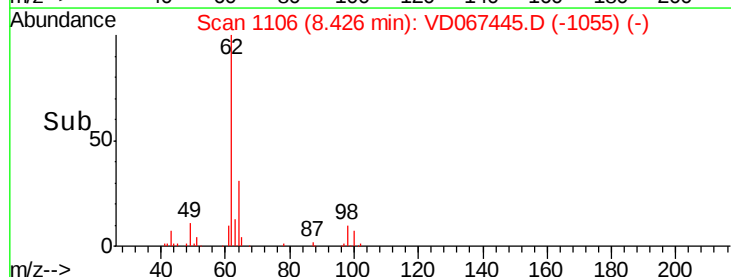
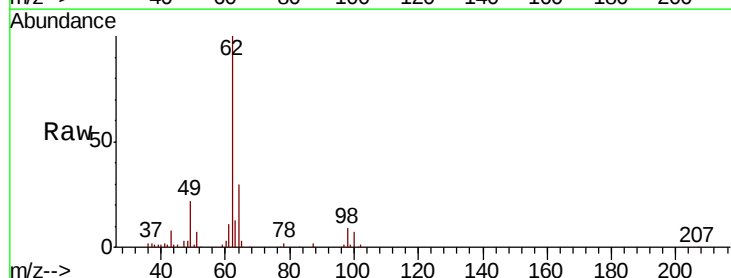
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

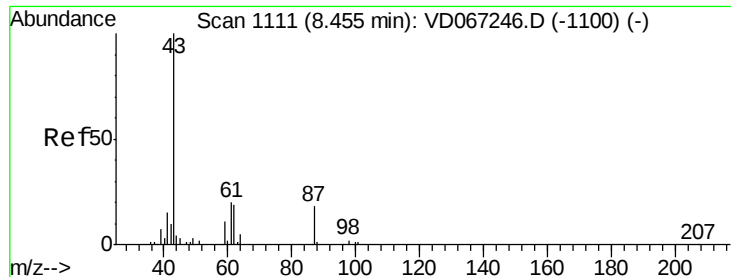
Tot Ion: 41 Resp: 42090
Ion Ratio Lower Upper
41 100
39 67.3 60.0 90.0
67 84.6 88.9 133.3#
52 34.9 36.9 55.3#



#42
1,2-Dichloroethane
Concen: 54.978 ug/l
RT: 8.43 min Scan# 1106
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 62 Resp: 189410
Ion Ratio Lower Upper
62 100
98 10.4 0.0 19.4



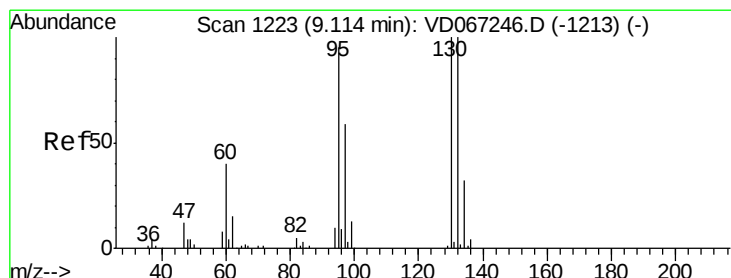
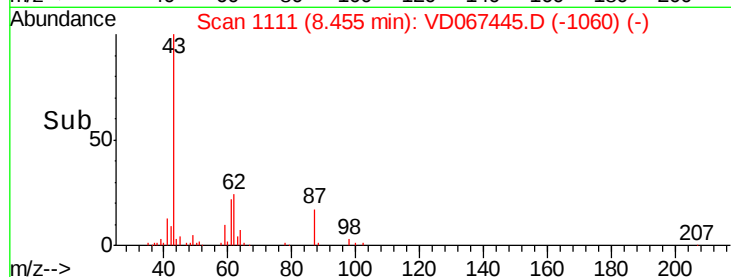
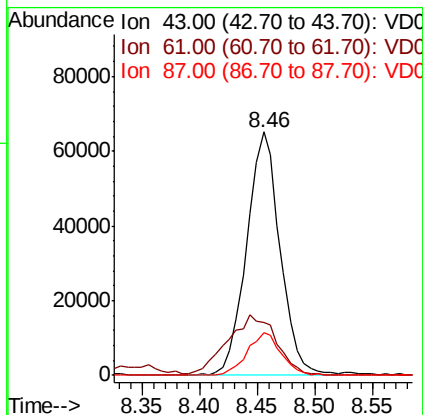
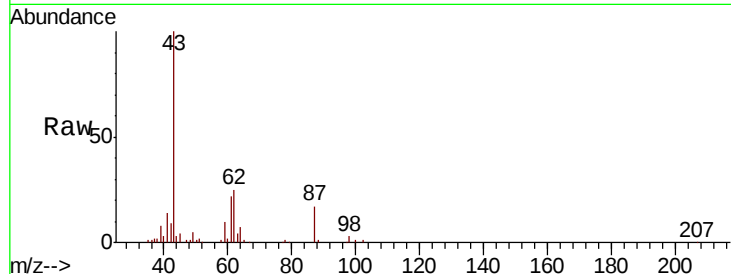


#43

Isopropyl Acetate
 Concen: 56.080 ug/l
 RT: 8.46 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

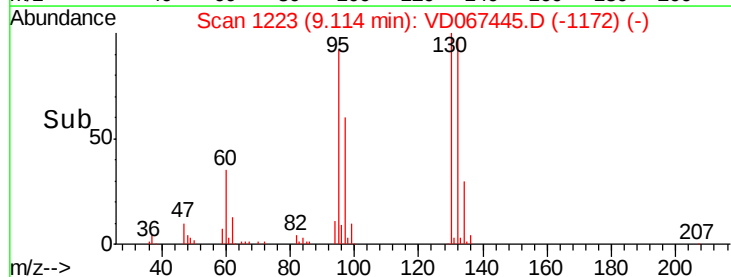
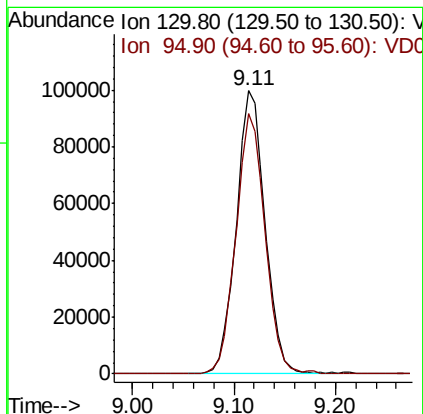
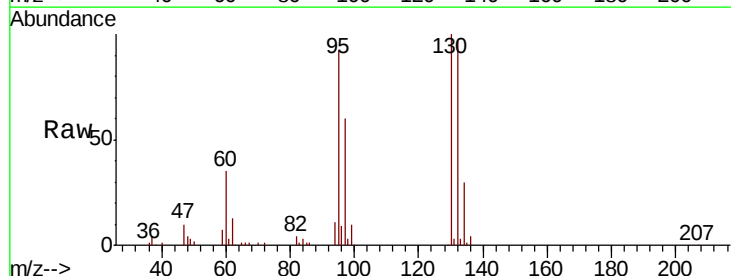
Tot Ion: 43 Resp: 131380
 Ion Ratio Lower Upper
 43 100
 61 36.1 29.5 44.3
 87 17.8 14.2 21.4

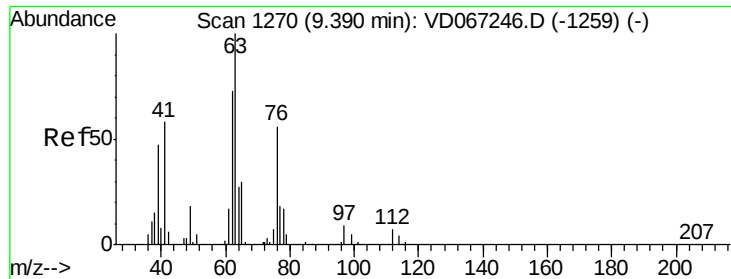


#44

Trichloroethene
 Concen: 55.875 ug/l
 RT: 9.11 min Scan# 1223
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion:130 Resp: 196946
 Ion Ratio Lower Upper
 130 100
 95 91.8 0.0 190.6

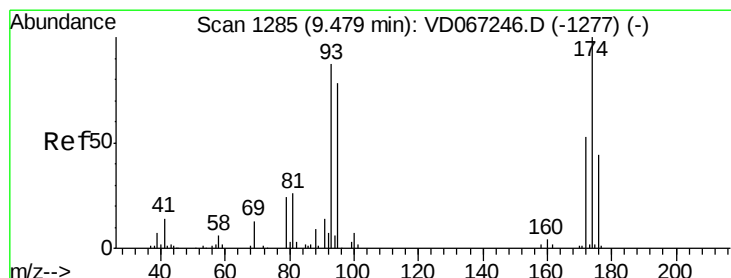
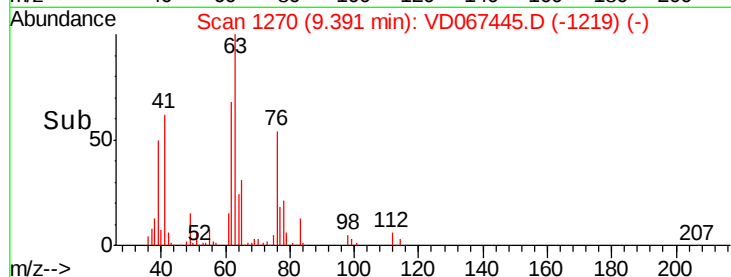
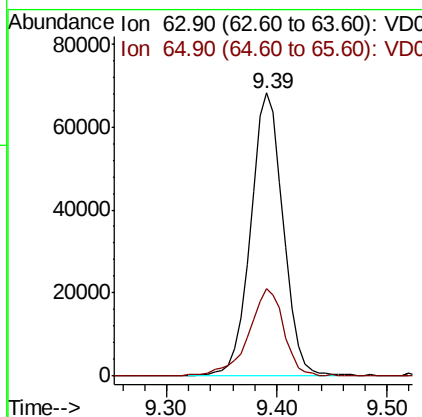
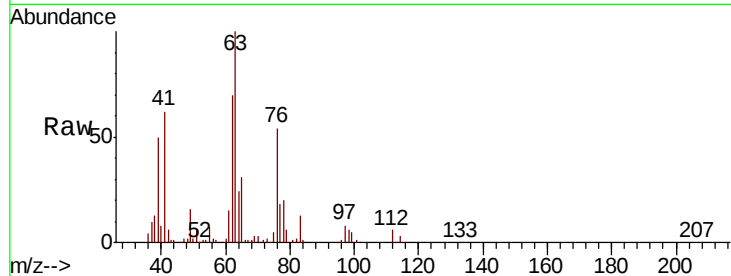




#45
 1,2-Dichloropropane
 Concen: 55.206 ug/l
 RT: 9.39 min Scan# 1270
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

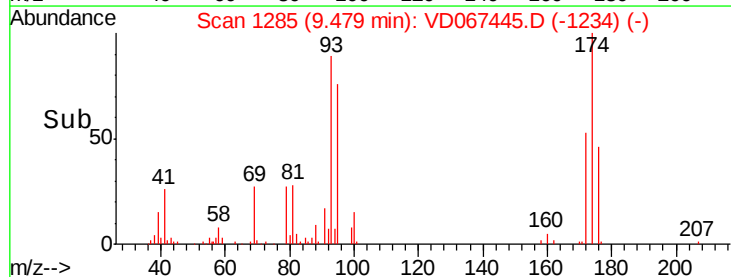
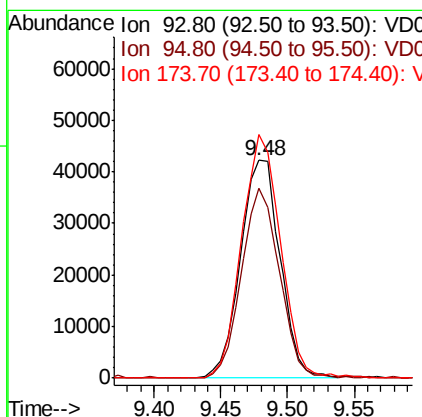
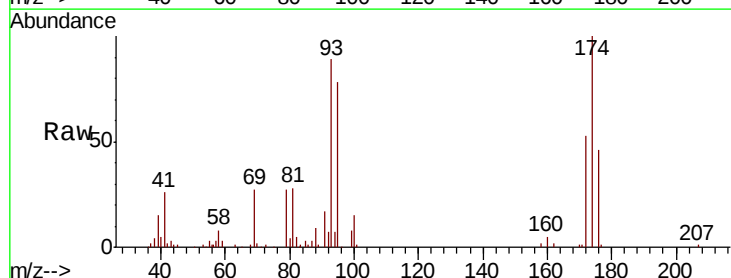
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

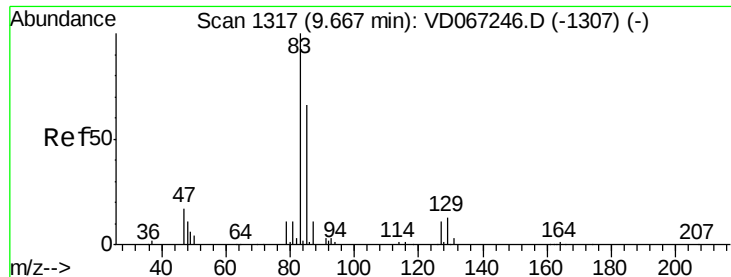
Tot Ion: 63 Resp: 140852
 Ion Ratio Lower Upper
 63 100
 65 30.5 24.6 36.8



#46
 Dibromomethane
 Concen: 54.755 ug/l
 RT: 9.48 min Scan# 1285
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion: 93 Resp: 87041
 Ion Ratio Lower Upper
 93 100
 95 83.3 68.0 102.0
 174 109.7 91.8 137.6





#47

Bromodichloromethane

Concen: 56.596 ug/l

RT: 9.67 min Scan# 1317

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

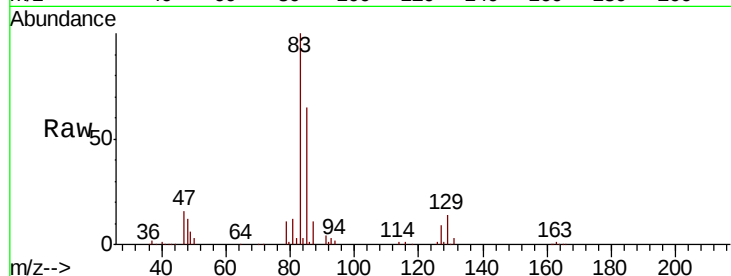
Tot Ion: 83 Resp: 241042

Ion Ratio Lower Upper

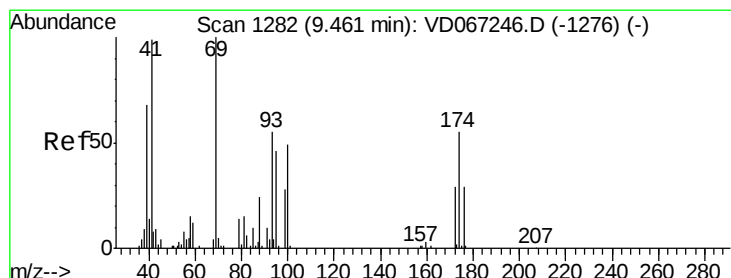
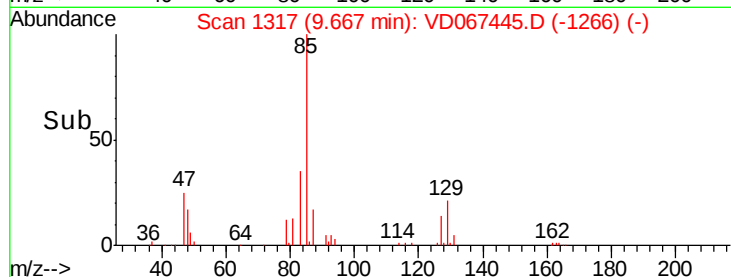
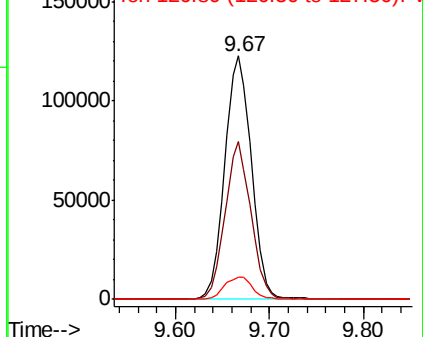
83 100

85 65.0 53.1 79.7

127 9.1 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: 57.042 ug/l

RT: 9.46 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

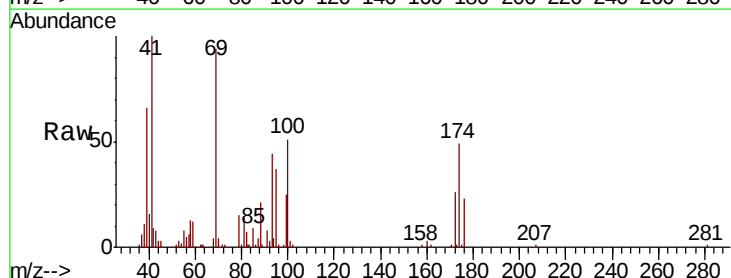
Tgt Ion: 41 Resp: 64942

Ion Ratio Lower Upper

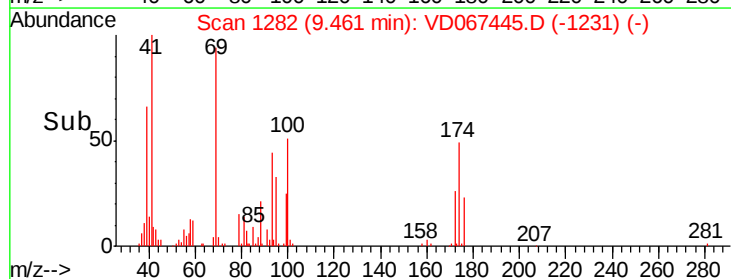
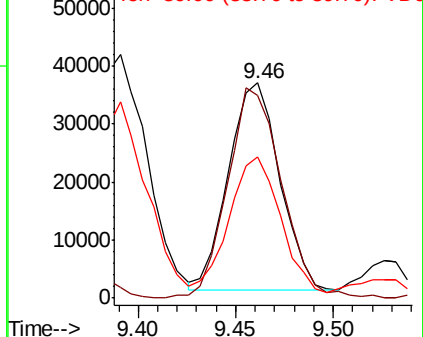
41 100

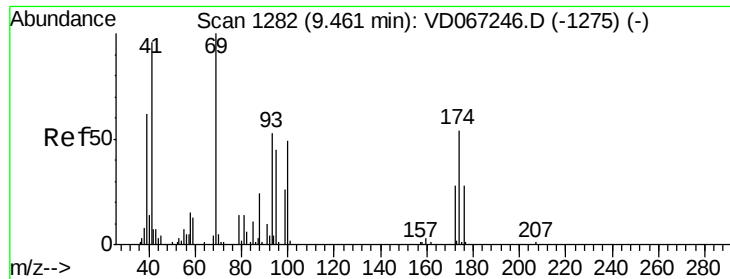
69 107.5 89.0 133.6

39 64.7 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

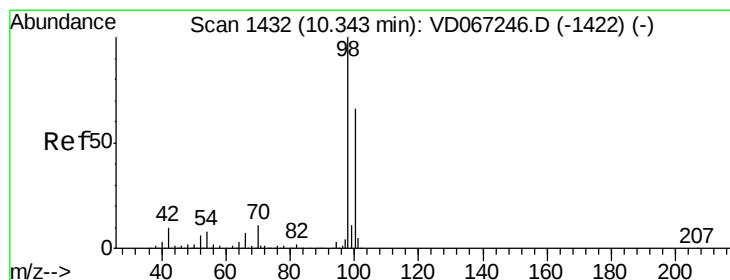
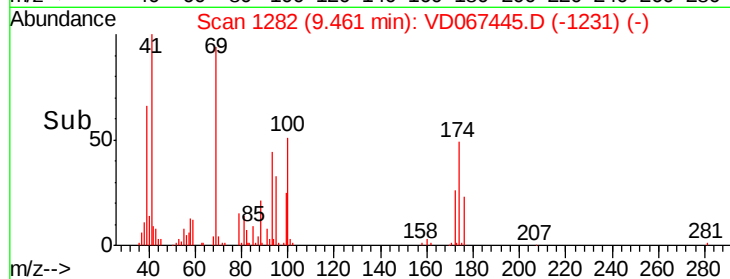
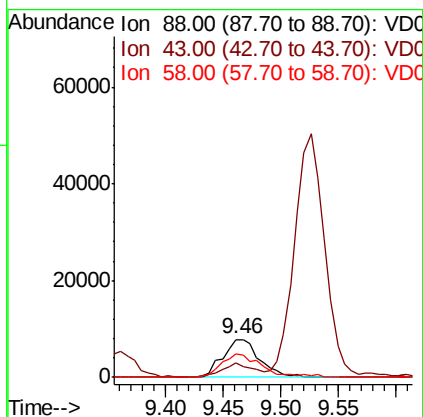
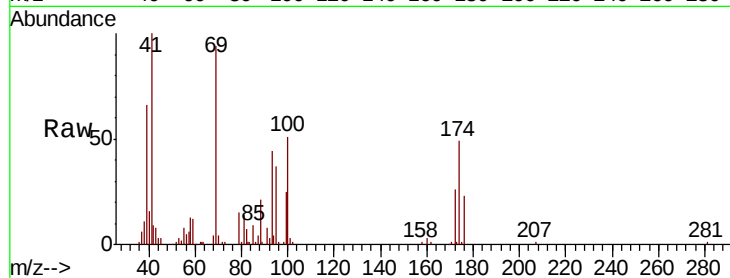




#49
1,4-Dioxane
Concen: 1135.055 ug/l
RT: 9.46 min Scan# 1282
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

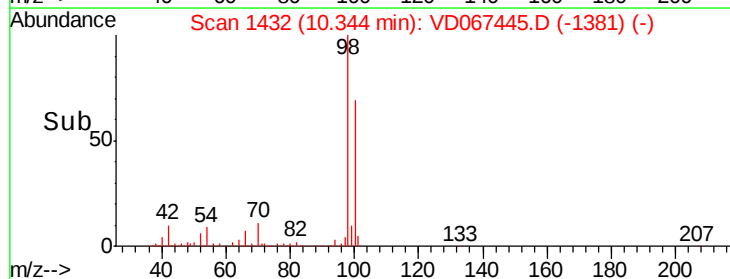
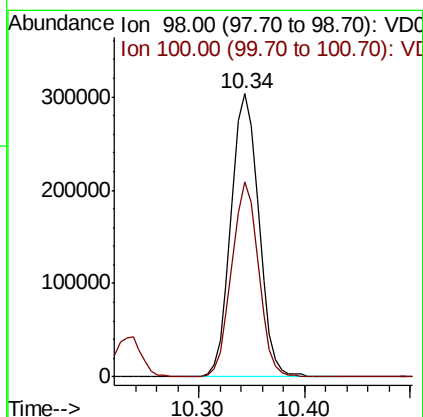
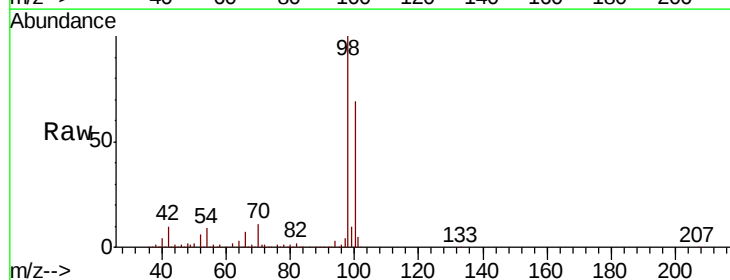
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

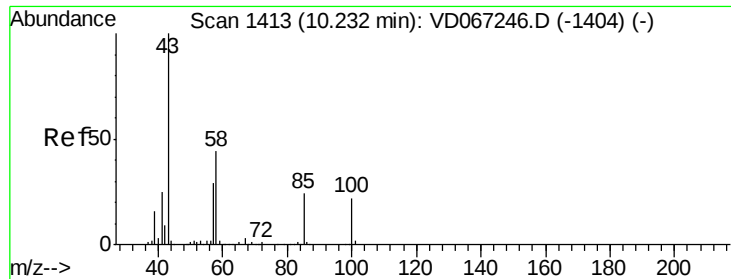
Tot Ion: 88 Resp: 17398
Ion Ratio Lower Upper
88 100
43 31.2 23.9 35.9
58 64.0 51.0 76.6



#50
Toluene-d8
Concen: 48.472 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 98 Resp: 552712
Ion Ratio Lower Upper
98 100
100 66.7 53.1 79.7





#51

4-Methyl-2-Pentanone

Concen: 287.248 ug/l

RT: 10.23 min Scan# 1413

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

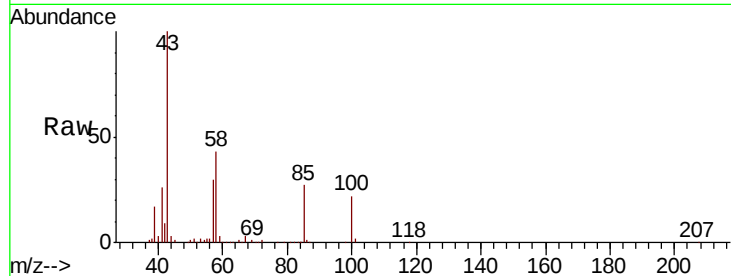
VSTDCCC050

Tot Ion: 43 Resp: 335644

Ion Ratio Lower Upper

43 100

58 44.1 35.7 53.5



Abundance Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC

10.23

200000

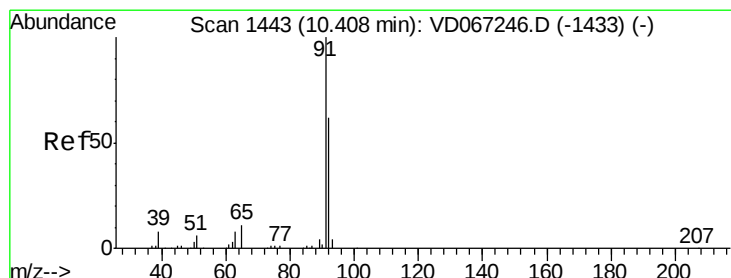
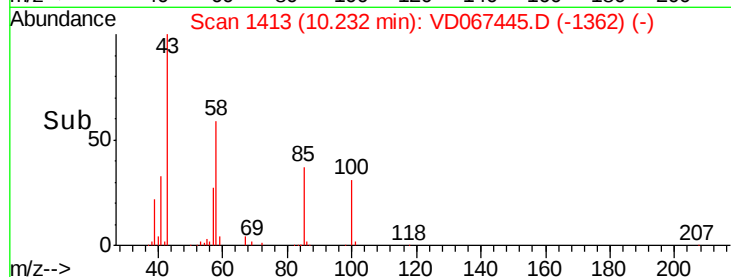
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 56.830 ug/l

RT: 10.41 min Scan# 1443

Delta R.T. 0.00 min

Lab File: VD067445.D

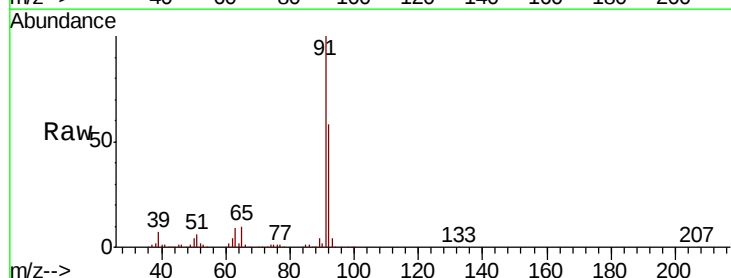
Acq: 29 Oct 2020 11:35

Tgt Ion: 92 Resp: 426117

Ion Ratio Lower Upper

92 100

91 169.3 133.8 200.8



Abundance Ion 92.00 (91.70 to 92.70): VDC

Ion 91.00 (90.70 to 91.70): VDC

400000

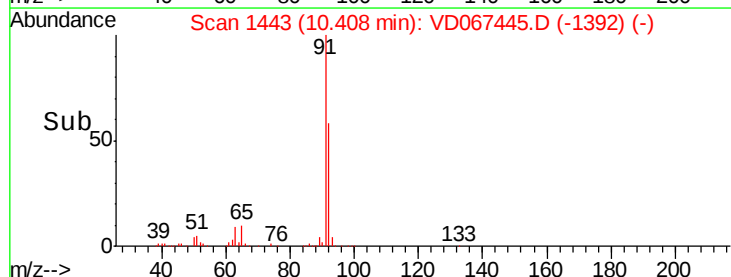
300000

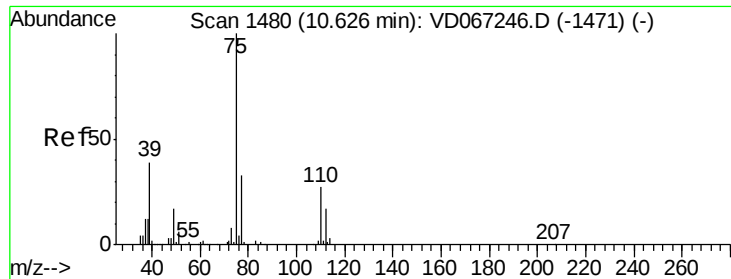
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 56.766 ug/l

RT: 10.63 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

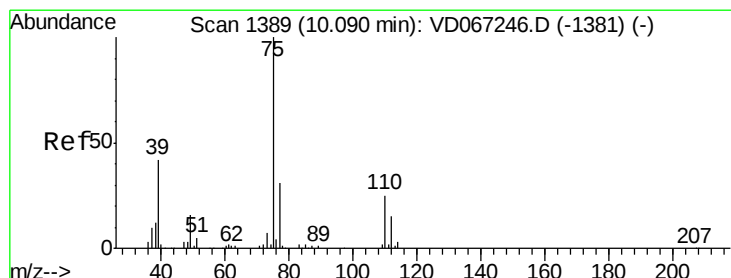
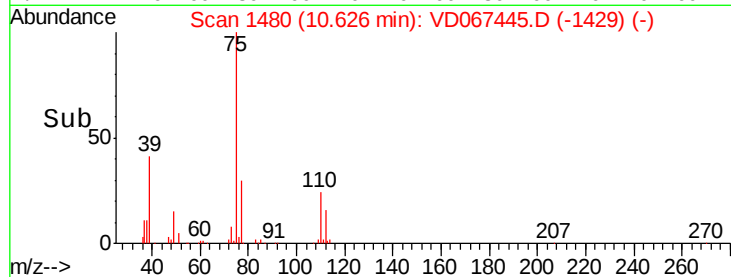
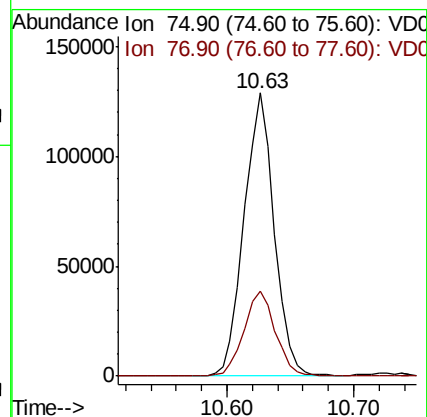
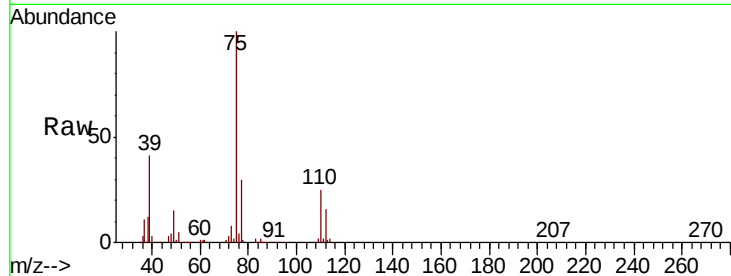
VSTDCCC050

Tot Ion: 75 Resp: 212381

Ion Ratio Lower Upper

75 100

77 30.2 26.5 39.7



#54

cis-1,3-Dichloropropene

Concen: 55.697 ug/l

RT: 10.09 min Scan# 1389

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

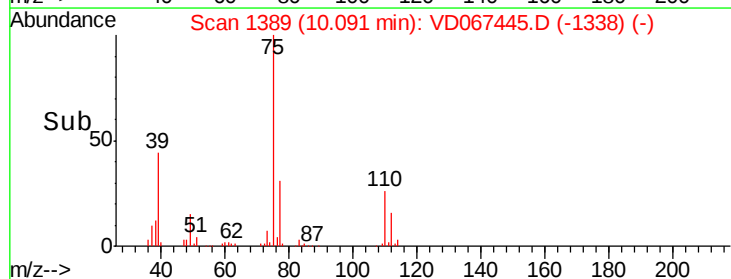
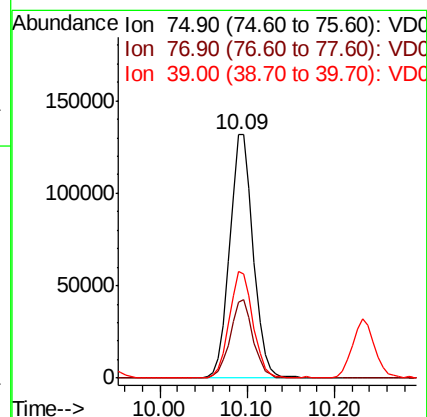
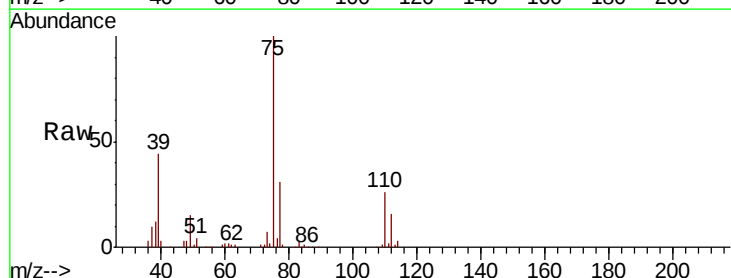
Tgt Ion: 75 Resp: 243871

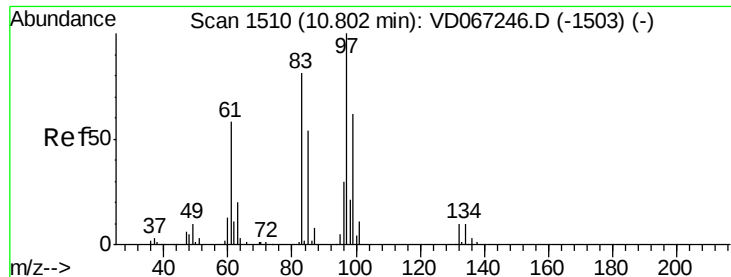
Ion Ratio Lower Upper

75 100

77 31.1 24.5 36.7

39 43.7 33.7 50.5





#55

1,1,2-Trichloroethane

Concen: 56.767 ug/l

RT: 10.80 min Scan# 1510

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

Tot Ion: 97 Resp: 123054

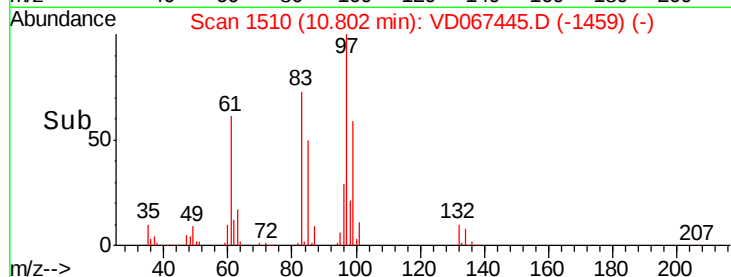
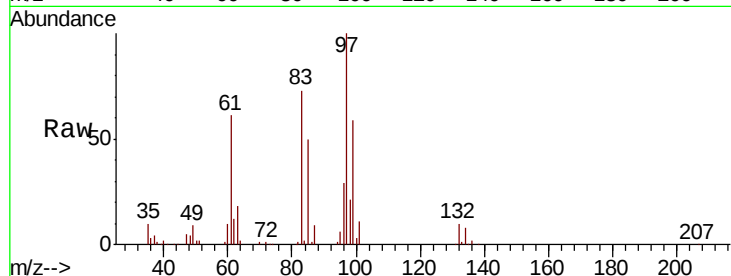
Ion	Ratio	Lower	Upper
97	100		
83	72.5	64.9	97.3
85	49.6	43.3	64.9
99	58.8	49.1	73.7

97 100

83 72.5 64.9 97.3

85 49.6 43.3 64.9

99 58.8 49.1 73.7



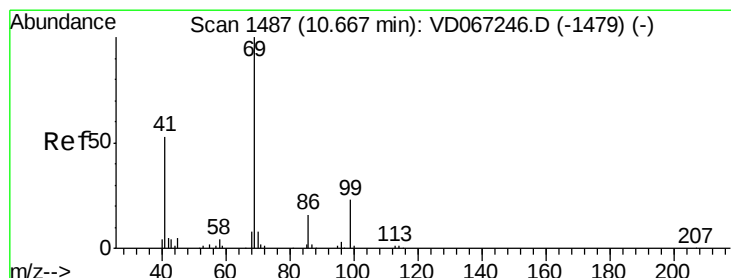
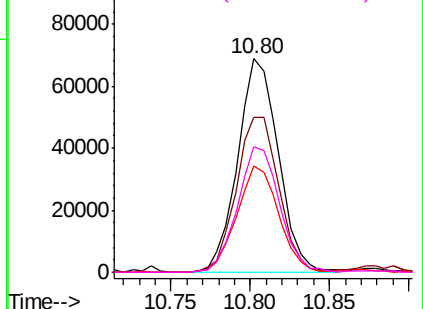
Abundance

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: 57.606 ug/l

RT: 10.67 min Scan# 1487

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

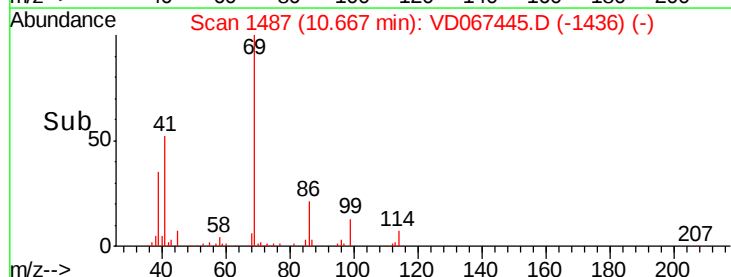
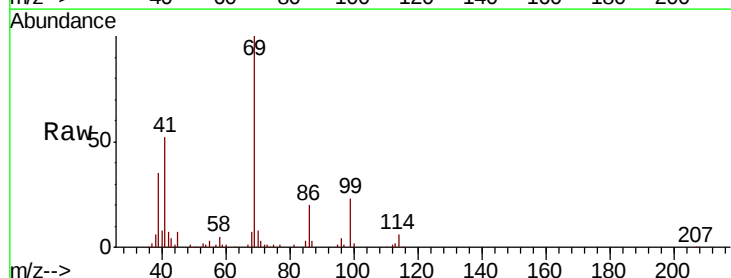
Tgt Ion: 69 Resp: 129505

Ion	Ratio	Lower	Upper
69	100		
41	55.9	44.7	67.1
39	33.5	26.2	39.2

69 100

41 55.9 44.7 67.1

39 33.5 26.2 39.2

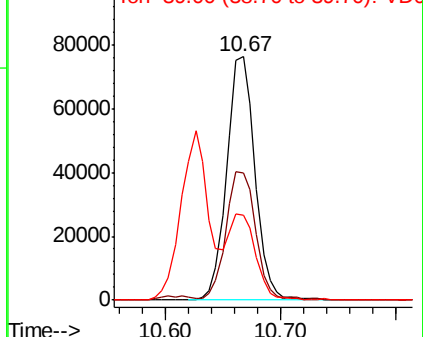


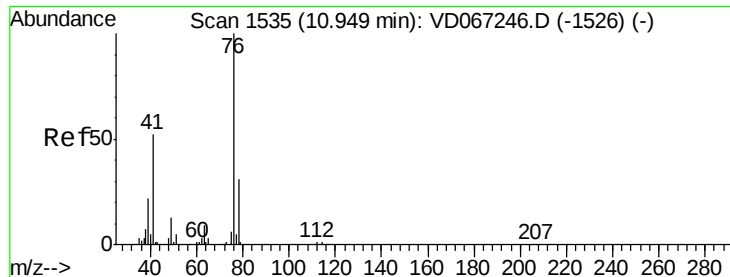
Abundance

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: 56.103 ug/l

RT: 10.95 min Scan# 1535

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

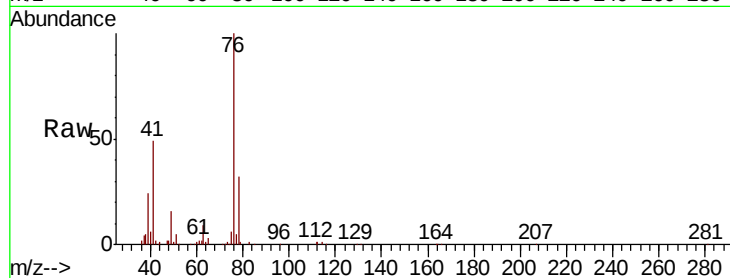
VSTDCCC050

Tot Ion: 76 Resp: 193540

Ion Ratio Lower Upper

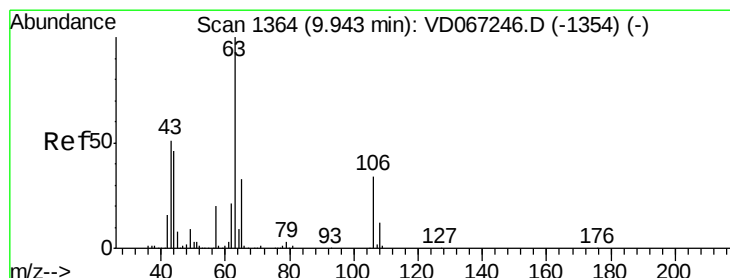
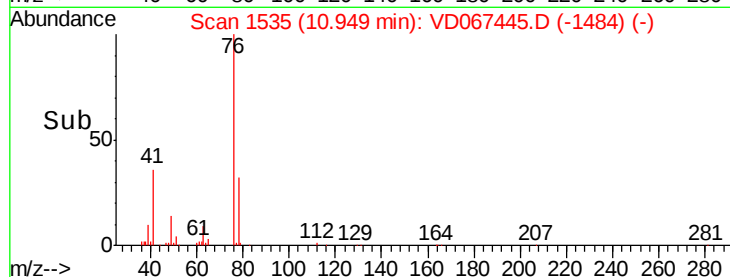
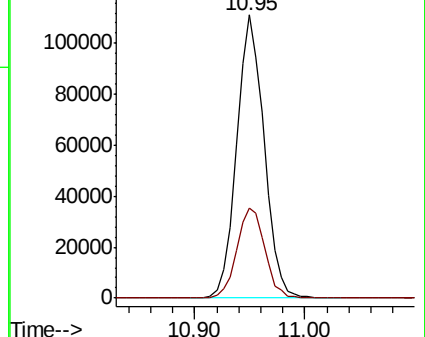
76 100

78 32.4 26.8 40.2



Abundance Ion 75.90 (75.60 to 76.60): VDC

Ion 77.90 (77.60 to 78.60): VDC



#58

2-Chloroethyl Vinyl ether

Concen: 281.681 ug/l

RT: 9.95 min Scan# 1365

Delta R.T. 0.01 min

Lab File: VD067445.D

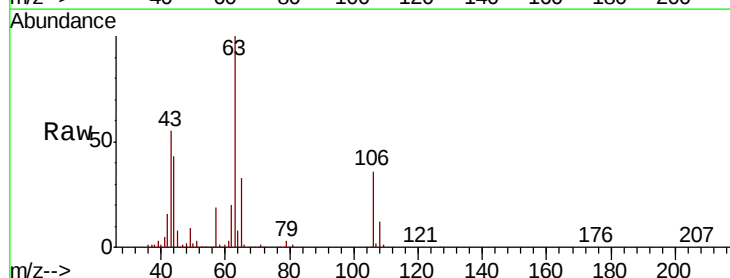
Acq: 29 Oct 2020 11:35

Tgt Ion: 63 Resp: 324860

Ion Ratio Lower Upper

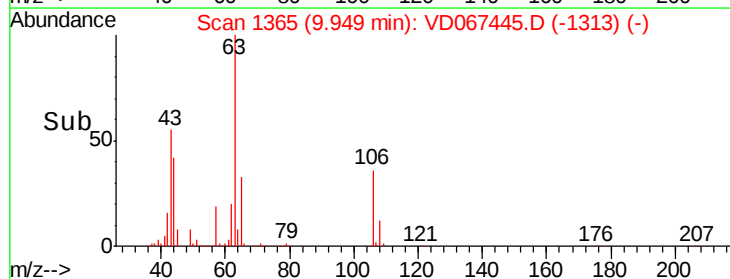
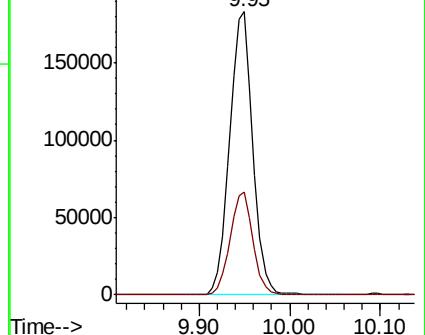
63 100

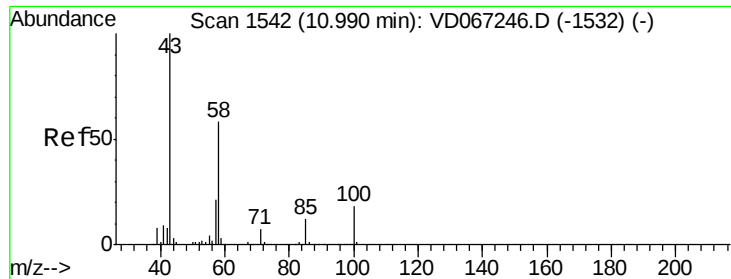
106 36.0 27.8 41.6



Abundance Ion 62.90 (62.60 to 63.60): VDC

Ion 105.90 (105.60 to 106.60): V

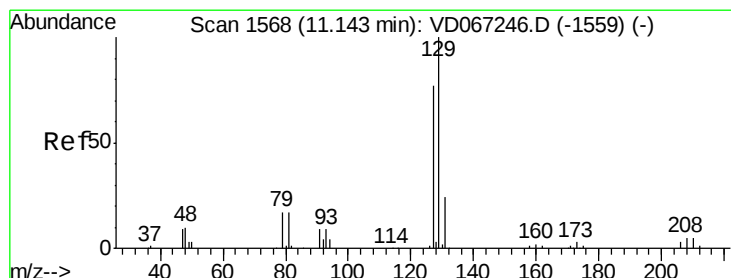
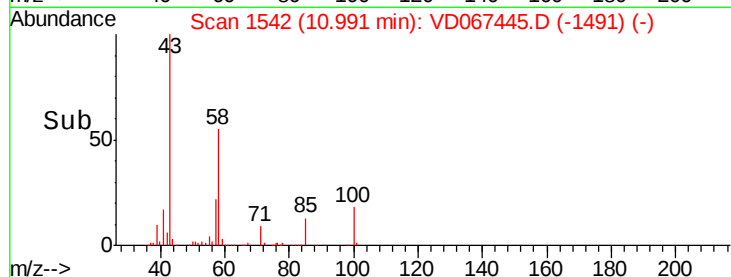
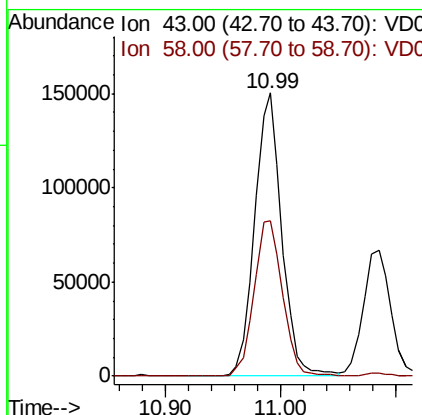
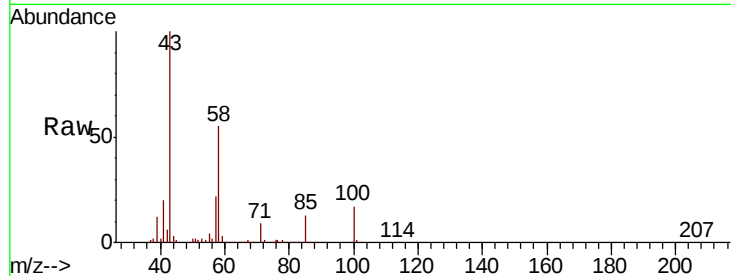




#59
2-Hexanone
Concen: 308.703 ug/l
RT: 10.99 min Scan# 1542
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

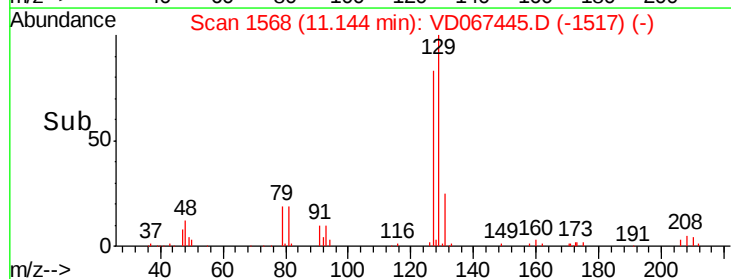
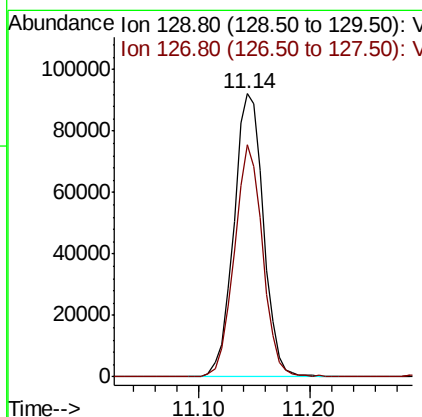
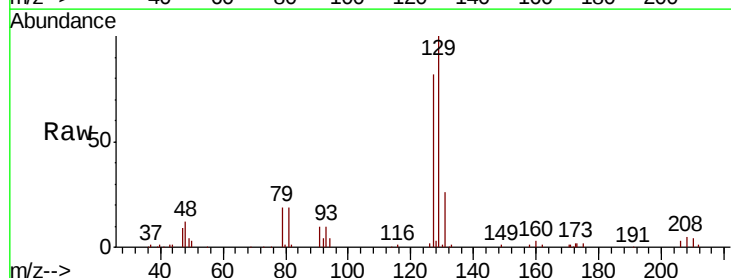
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

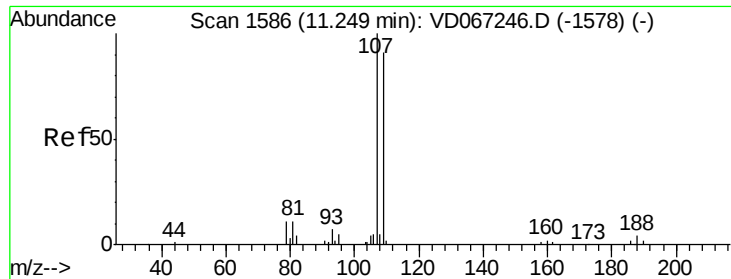
Tot Ion: 43 Resp: 246487
Ion Ratio Lower Upper
43 100
58 57.7 29.3 87.9



#60
Dibromochloromethane
Concen: 54.873 ug/l
RT: 11.14 min Scan# 1568
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 129 Resp: 173468
Ion Ratio Lower Upper
129 100
127 78.5 38.3 114.8

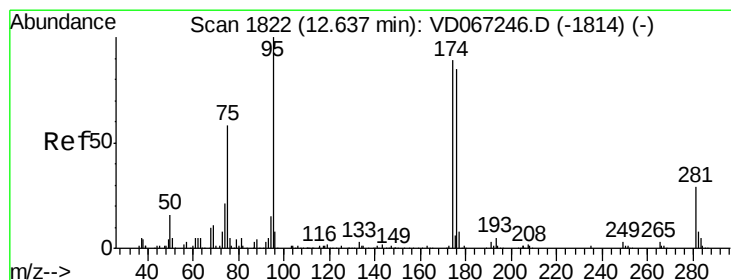
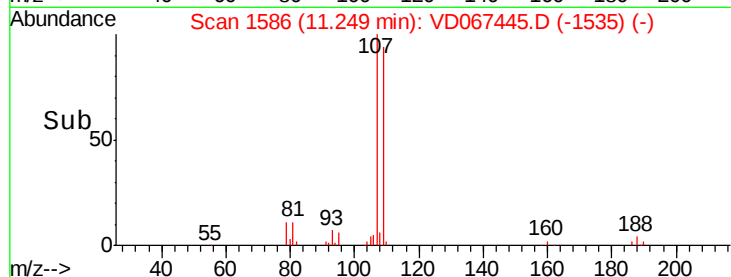
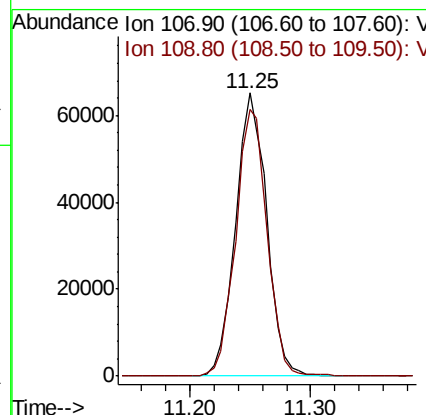
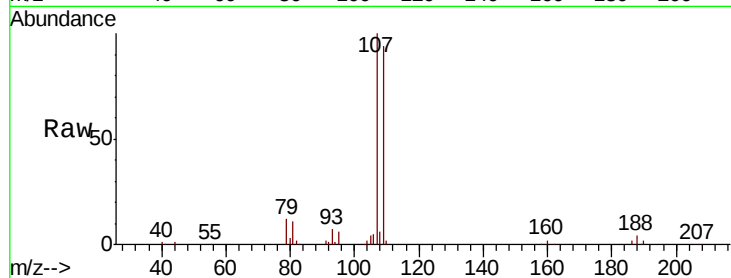




#61
 1,2-Dibromoethane
 Concen: 54.712 ug/l
 RT: 11.25 min Scan# 1586
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

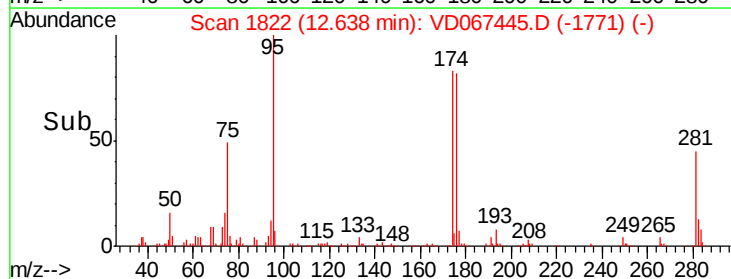
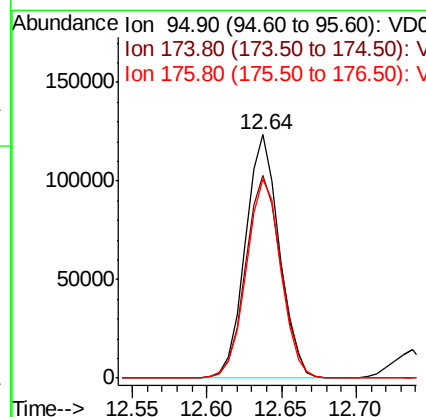
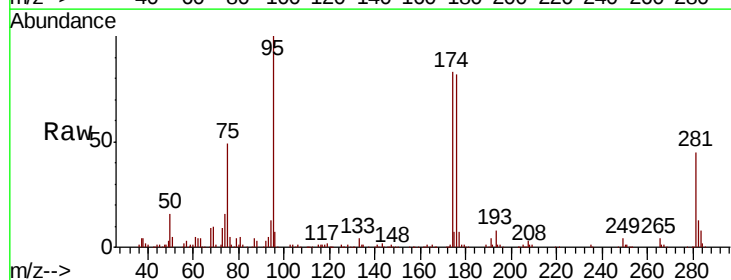
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

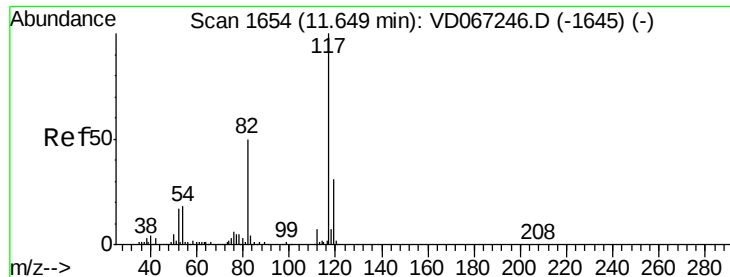
Tot Ion:107 Resp: 116922
 Ion Ratio Lower Upper
 107 100
 109 94.8 74.6 112.0



#62
 4-Bromofluorobenzene
 Concen: 48.808 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion: 95 Resp: 193520
 Ion Ratio Lower Upper
 95 100
 174 86.9 0.0 175.2
 176 83.4 0.0 168.6

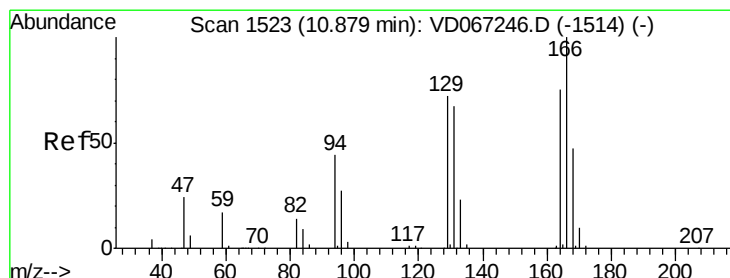
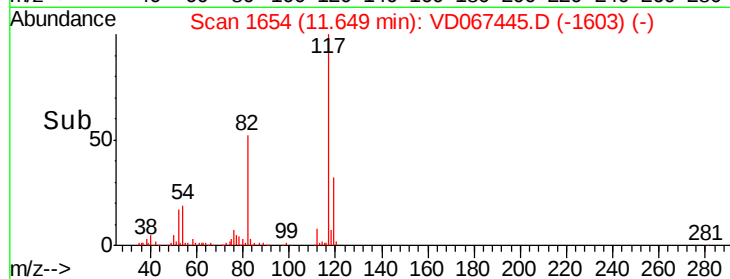
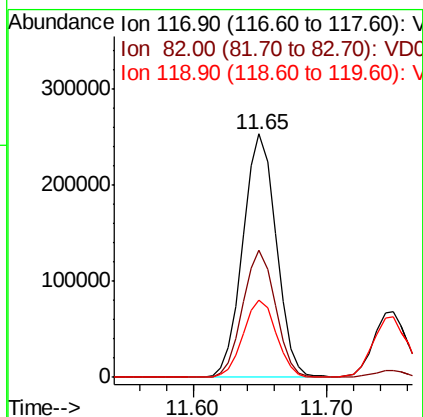
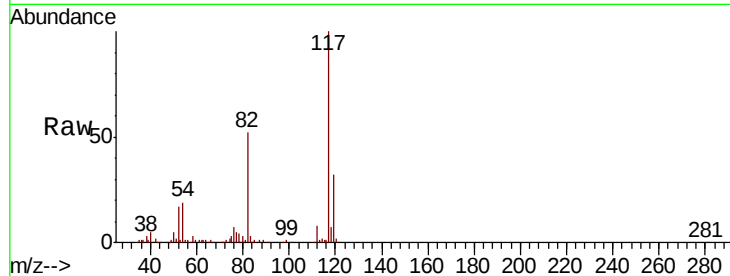




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

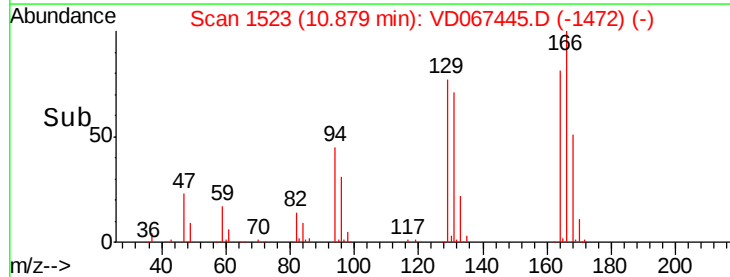
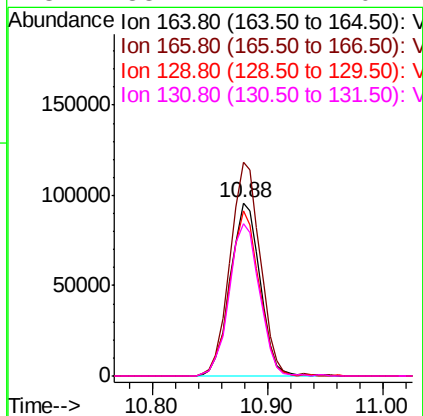
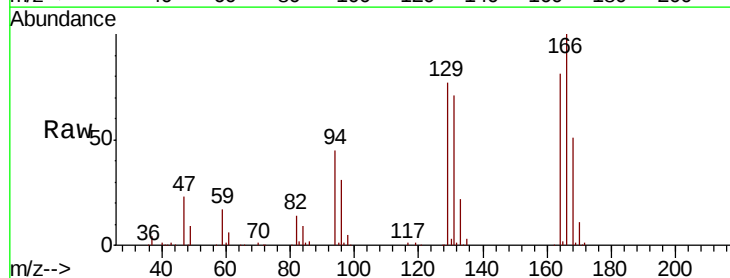
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

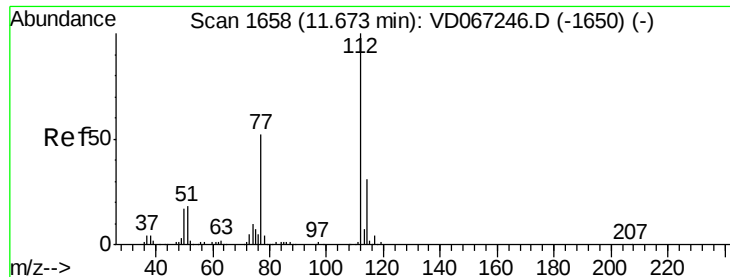
Tot Ion:117 Resp: 437648
Ion Ratio Lower Upper
117 100
82 52.4 39.9 59.9
119 31.8 24.9 37.3



#64
Tetrachloroethene
Concen: 54.136 ug/l
RT: 10.88 min Scan# 1523
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion:164 Resp: 171660
Ion Ratio Lower Upper
164 100
166 123.5 107.3 160.9
129 95.3 77.3 115.9
131 88.2 71.4 107.2

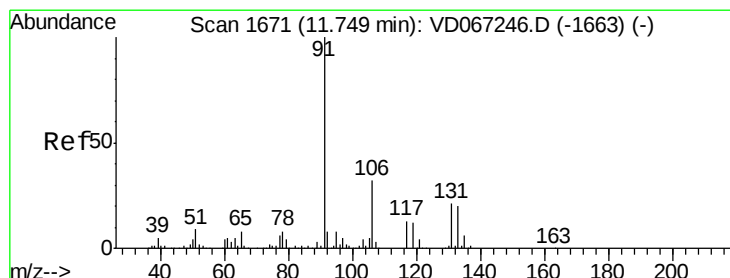
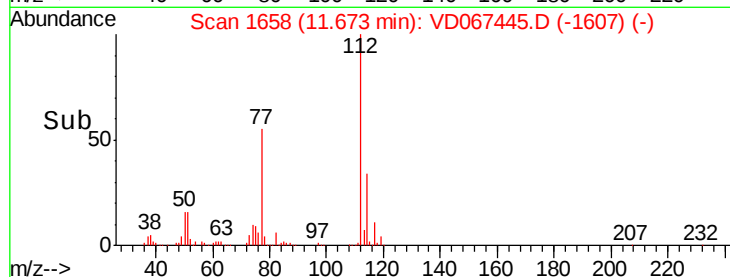
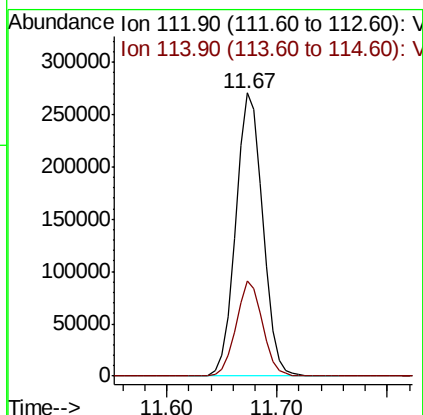
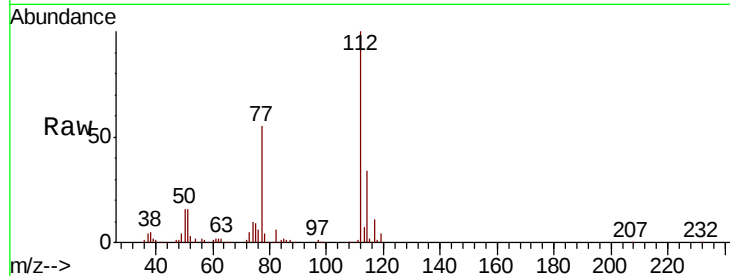




#65
Chlorobenzene
Concen: 55.446 ug/l
RT: 11.67 min Scan# 1658
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

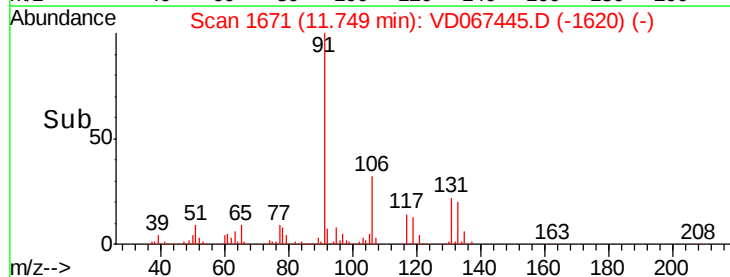
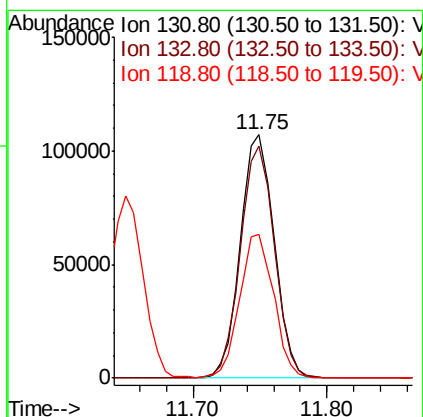
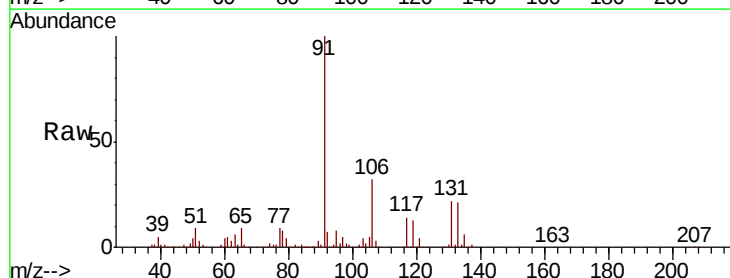
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

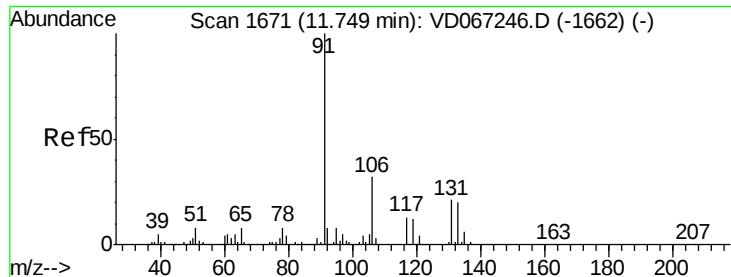
Tot Ion:112 Resp: 465324
Ion Ratio Lower Upper
112 100
114 33.7 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 56.531 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion:131 Resp: 188561
Ion Ratio Lower Upper
131 100
133 95.9 48.1 144.3
119 59.2 30.0 90.0

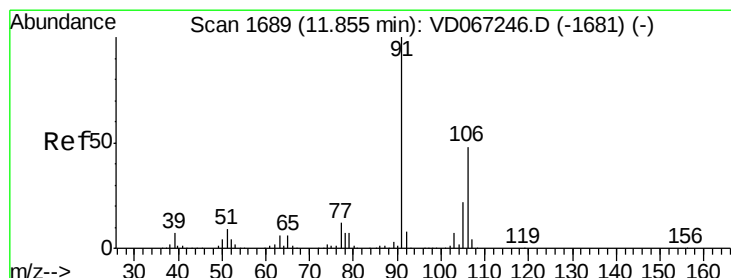
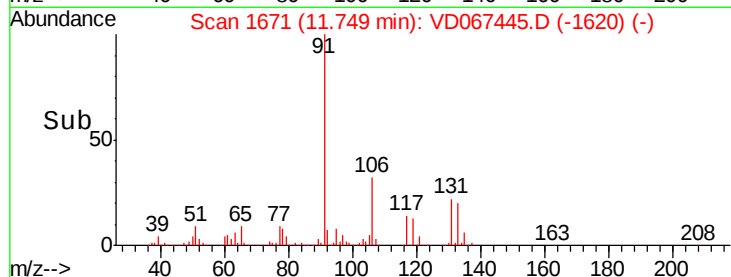
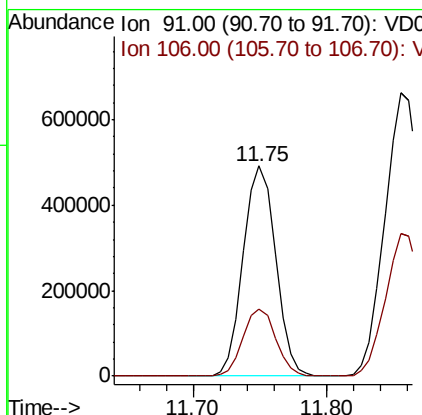
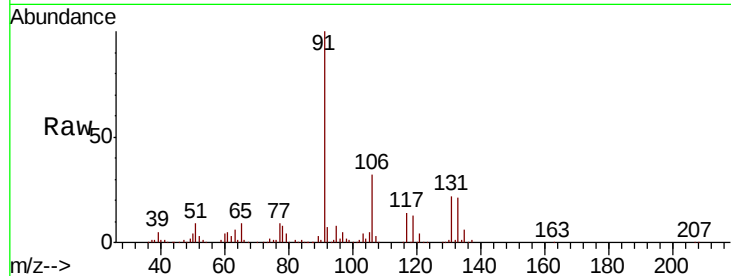




#67
Ethyl Benzene
Concen: 57.574 ug/l
RT: 11.75 min Scan# 1671
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

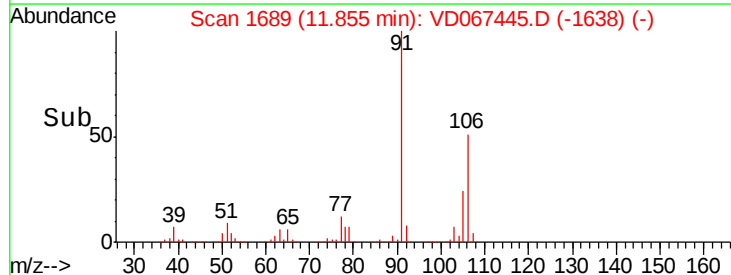
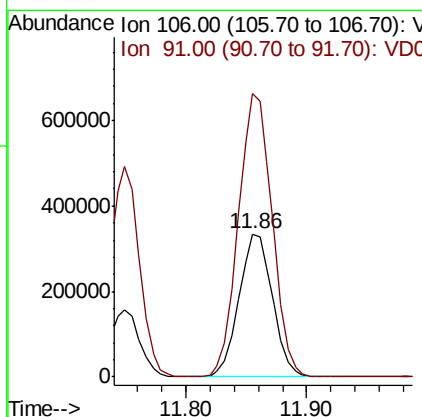
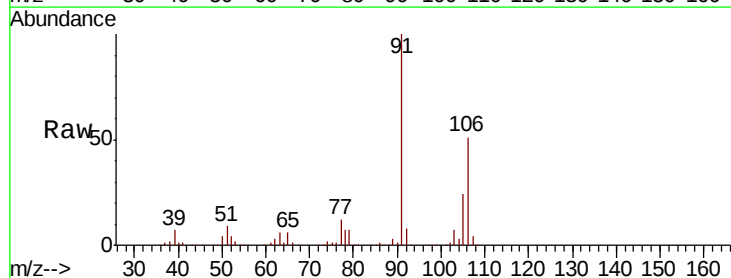
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

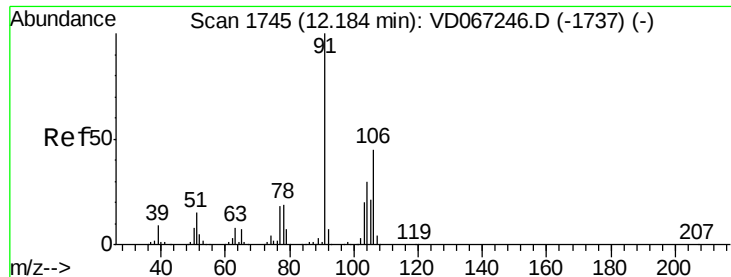
Tot Ion: 91 Resp: 828264
Ion Ratio Lower Upper
91 100
106 32.0 25.4 38.0



#68
m/p-Xylenes
Concen: 116.517 ug/l
RT: 11.86 min Scan# 1689
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 106 Resp: 645492
Ion Ratio Lower Upper
106 100
91 200.1 163.8 245.8

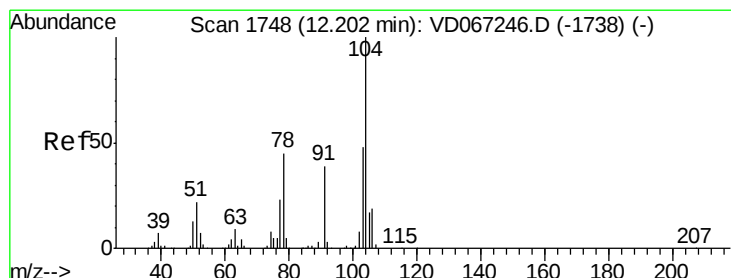
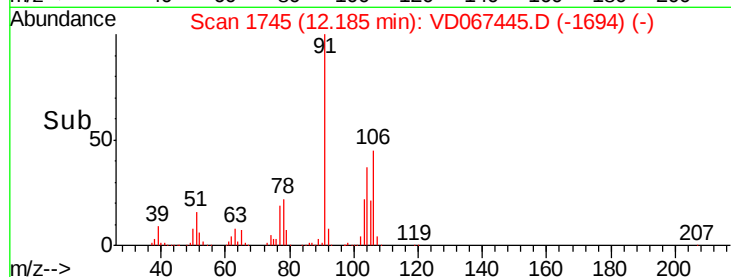
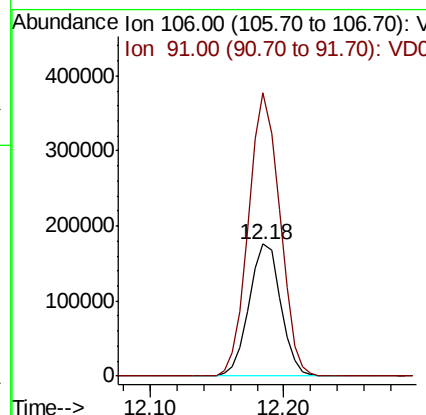
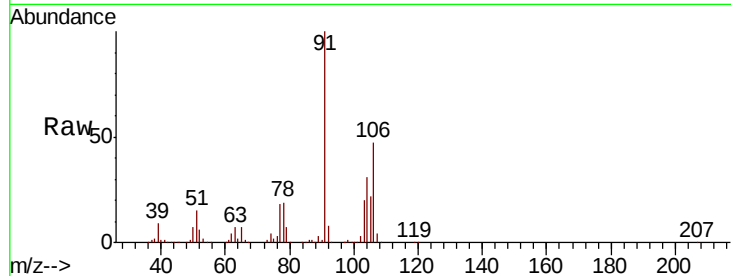




#69
o-Xylene
Concen: 56.220 ug/l
RT: 12.18 min Scan# 1745
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

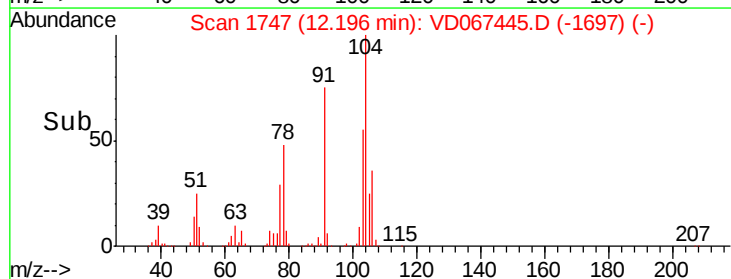
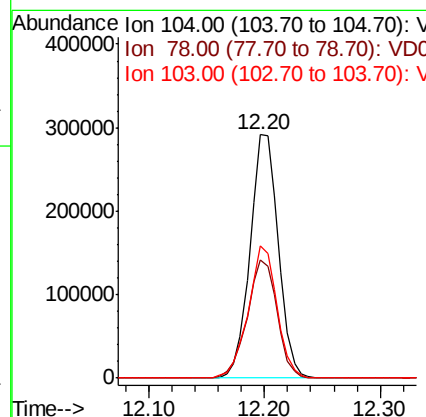
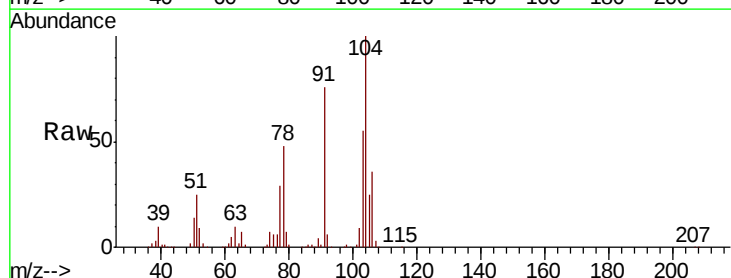
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

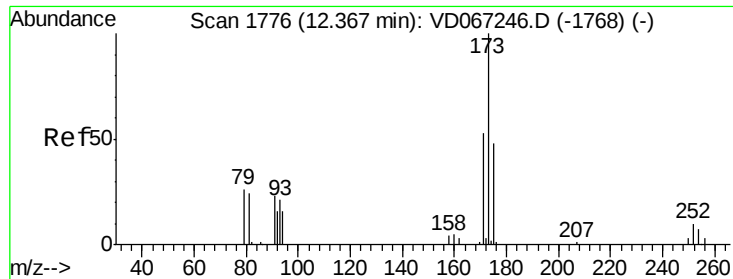
Tot Ion:106 Resp: 288405
Ion Ratio Lower Upper
106 100
91 212.7 109.1 327.3



#70
Styrene
Concen: 56.442 ug/l
RT: 12.20 min Scan# 1747
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion:104 Resp: 498433
Ion Ratio Lower Upper
104 100
78 51.2 39.8 59.6
103 54.9 42.6 64.0

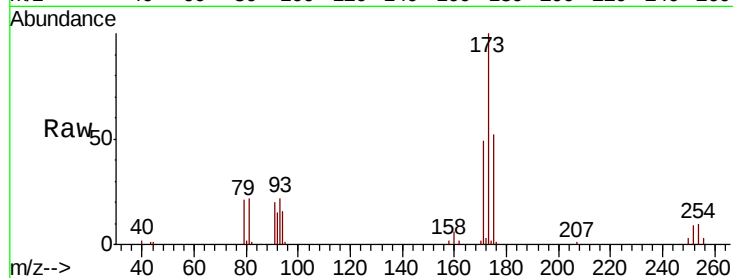




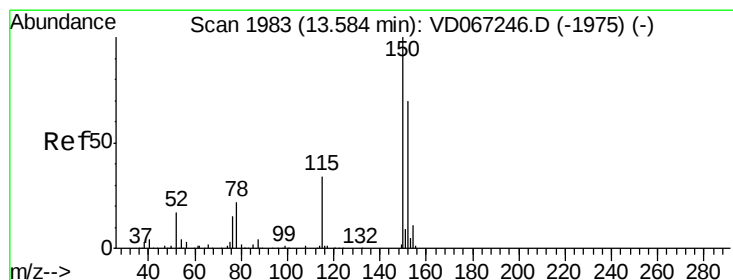
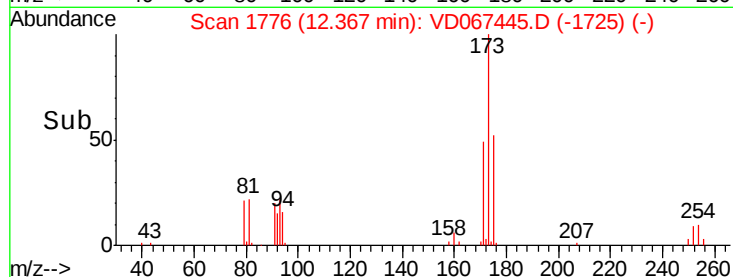
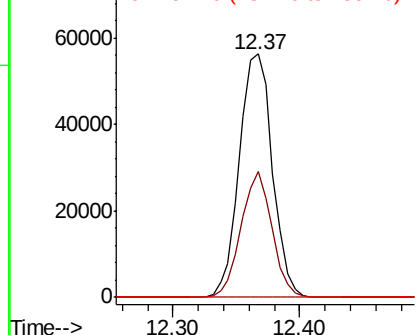
#71
Bromoform
Concen: 56.827 ug/l
RT: 12.37 min Scan# 1776
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:173 Resp: 101830
Ion Ratio Lower Upper
173 100
175 48.0 24.2 72.6
254 0.0 0.1 0.1#

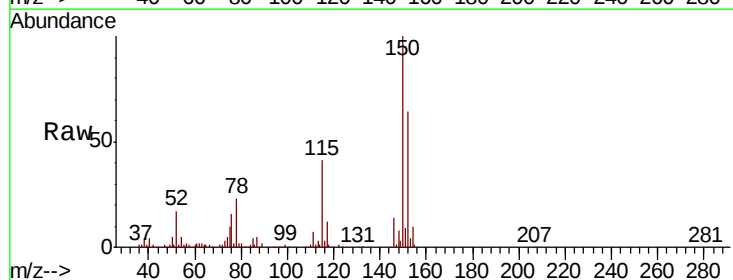


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

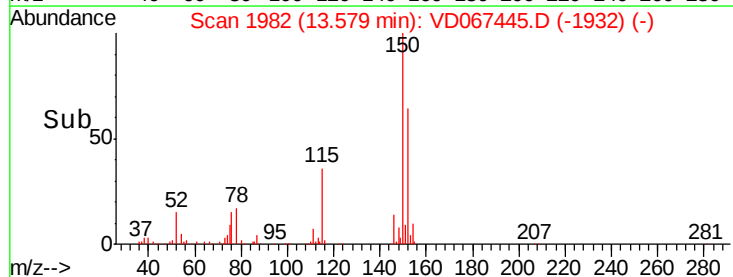
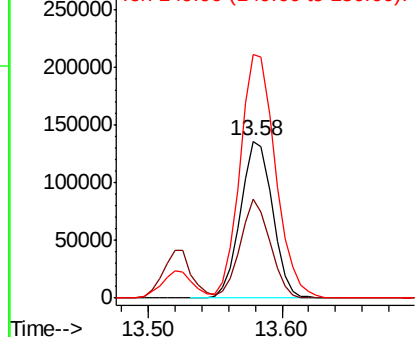


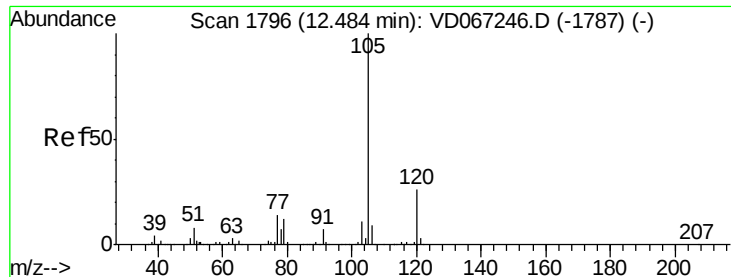
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion:152 Resp: 225573
Ion Ratio Lower Upper
152 100
115 59.0 29.3 87.9
150 171.0 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: 58.717 ug/l

RT: 12.48 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

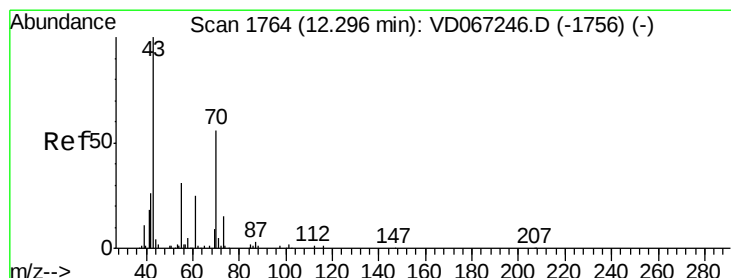
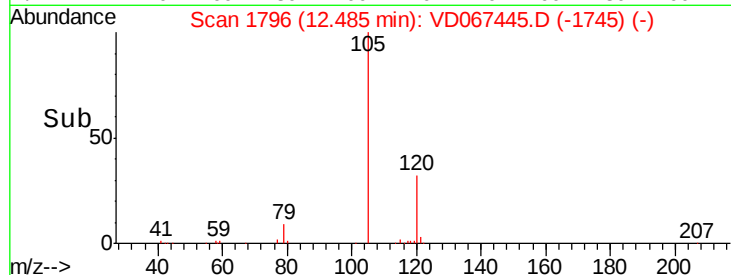
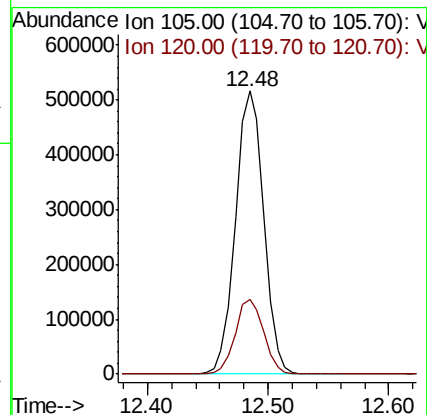
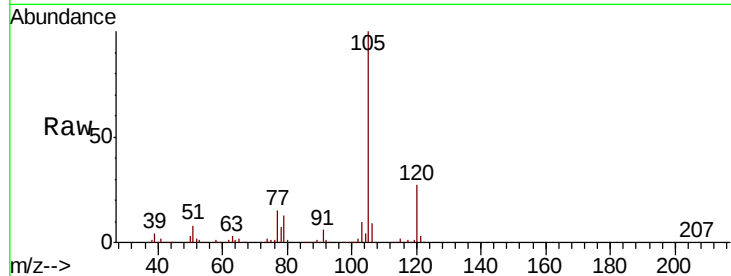
VSTDCCC050

Tot Ion:105 Resp: 840616

Ion Ratio Lower Upper

105 100

120 26.6 13.3 39.8



#74

N-ethyl acetate

Concen: 54.810 ug/l

RT: 12.29 min Scan# 1763

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Tgt Ion: 43 Resp: 118512

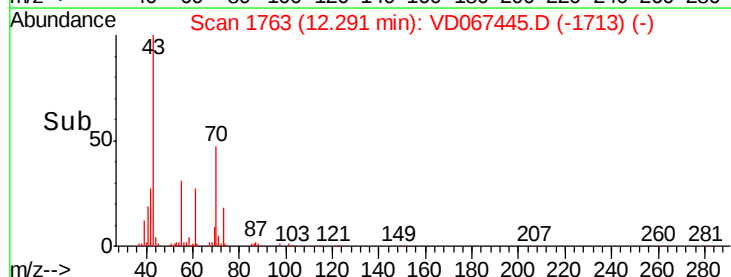
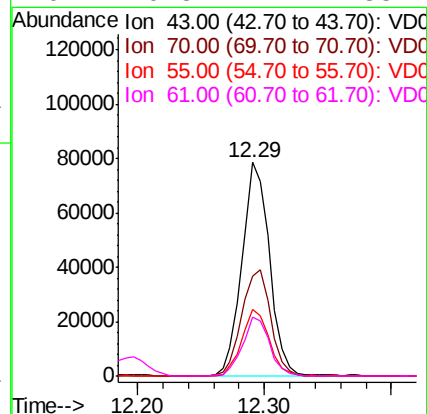
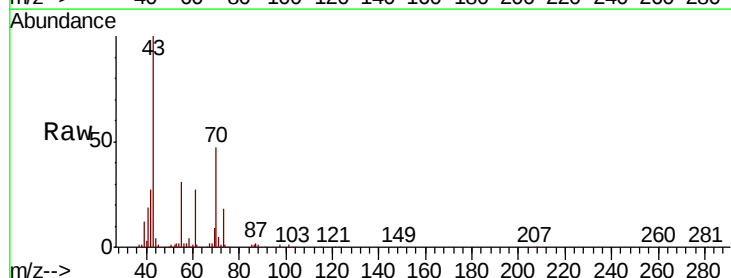
Ion Ratio Lower Upper

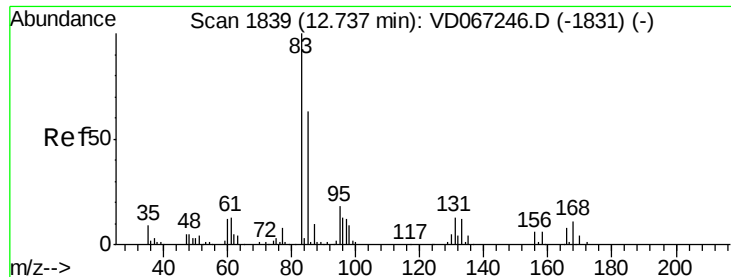
43 100

70 52.1 42.7 64.1

55 30.9 24.0 36.0

61 26.8 22.2 33.4





#75

1,1,2,2-Tetrachloroethane

Concen: 54.487 ug/l

RT: 12.74 min Scan# 1839

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

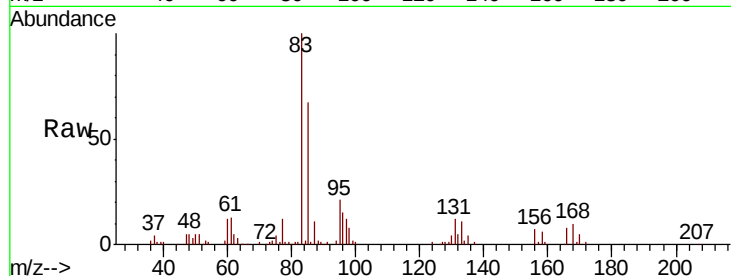
Tot Ion: 83 Resp: 119522

Ion Ratio Lower Upper

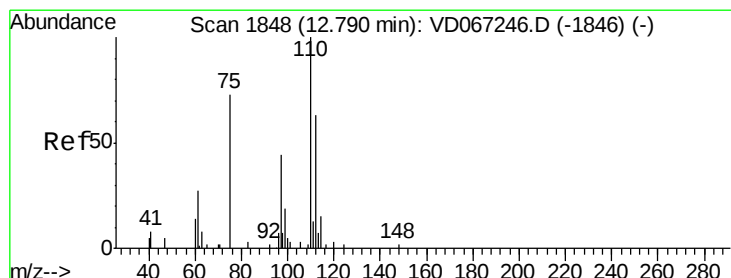
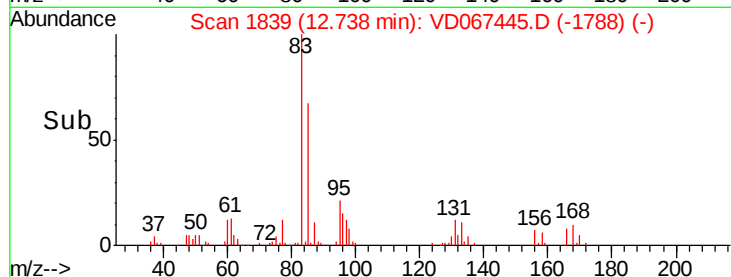
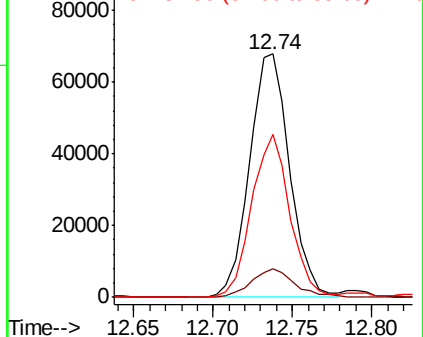
83 100

131 12.8 6.5 19.5

85 63.5 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: 104.868 ug/l

RT: 12.78 min Scan# 1847

Delta R.T. -0.01 min

Lab File: VD067445.D

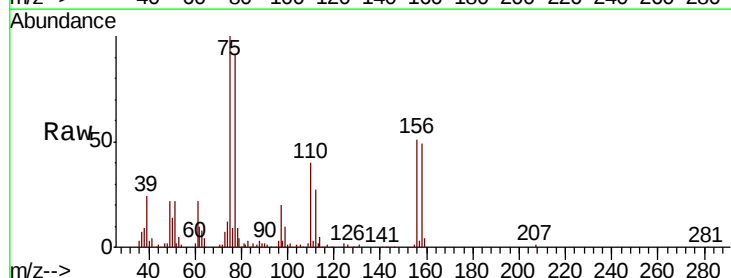
Acq: 29 Oct 2020 11:35

Tgt Ion: 75 Resp: 163954

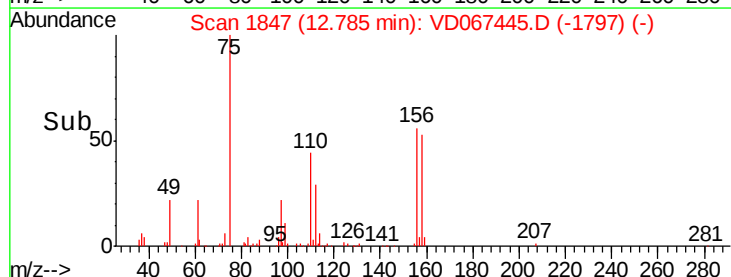
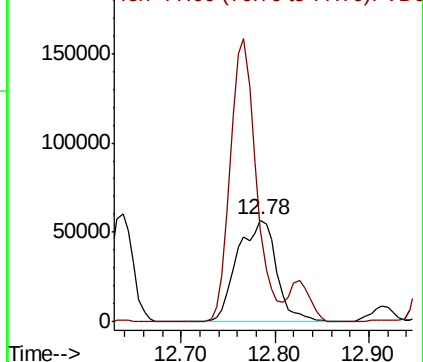
Ion Ratio Lower Upper

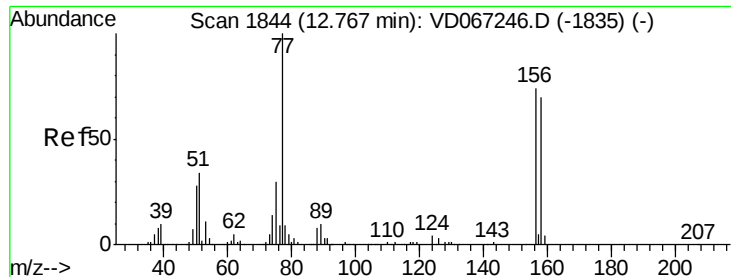
75 100

77 185.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC
Ion 77.00 (76.70 to 77.70): VDC





#77

Bromobenzene

Concen: 56.113 ug/l

RT: 12.77 min Scan# 1844

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

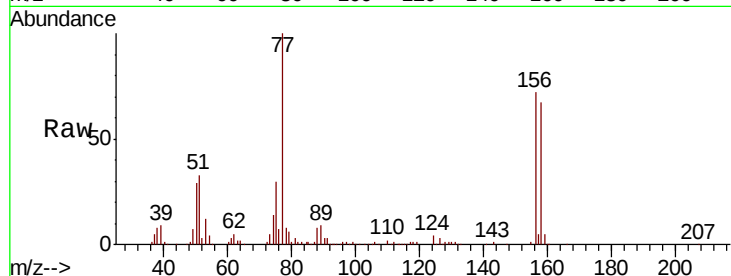
Tot Ion:156 Resp: 200278

Ion Ratio Lower Upper

156 100

77 152.0 78.0 233.8

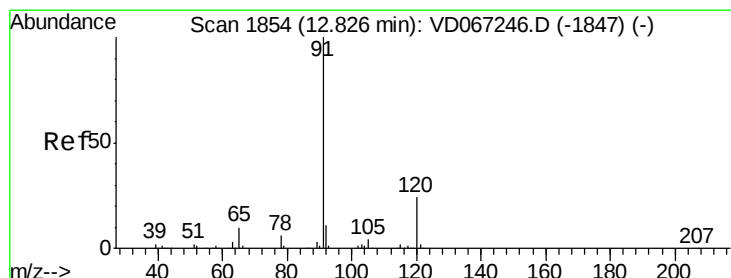
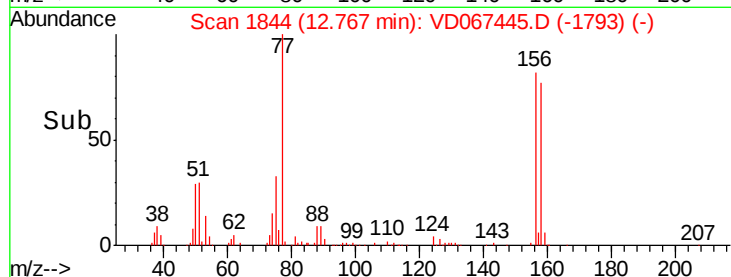
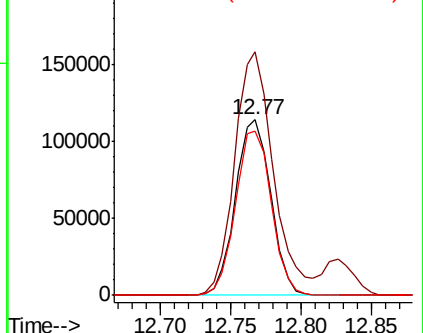
158 94.4 49.1 147.3



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: 58.502 ug/l

RT: 12.83 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VD067445.D

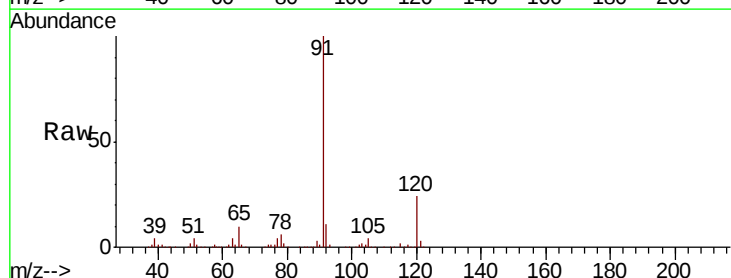
Acq: 29 Oct 2020 11:35

Tgt Ion: 91 Resp: 970399

Ion Ratio Lower Upper

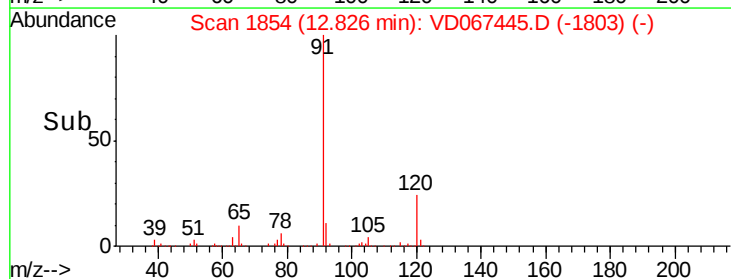
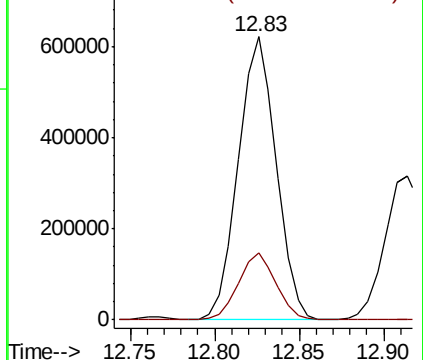
91 100

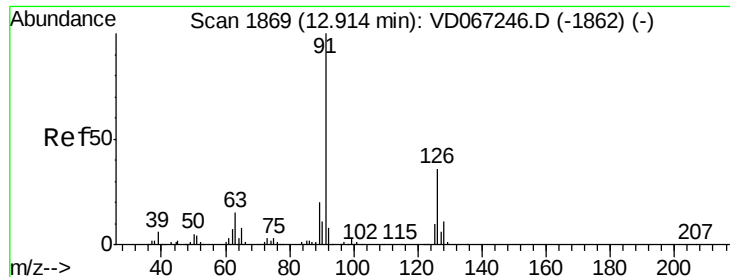
120 23.4 11.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VDC

Ion 120.00 (119.70 to 120.70): V

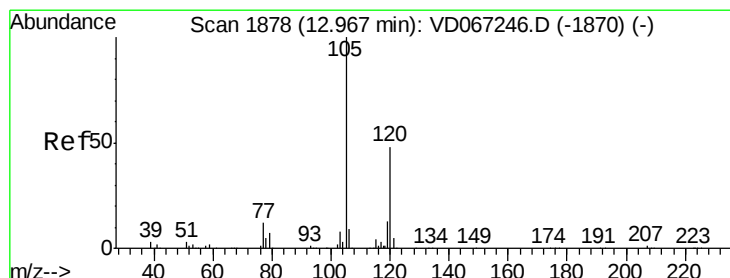
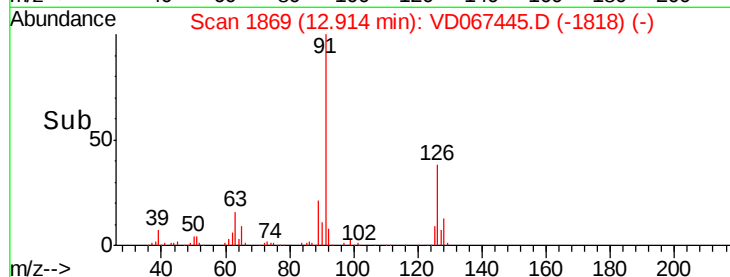
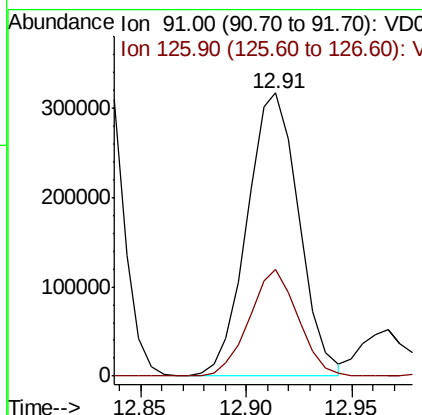
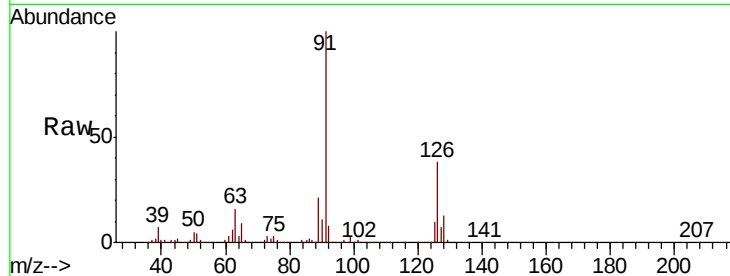




#79
 2-Chlorotoluene
 Concen: 56.027 ug/l
 RT: 12.91 min Scan# 1869
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

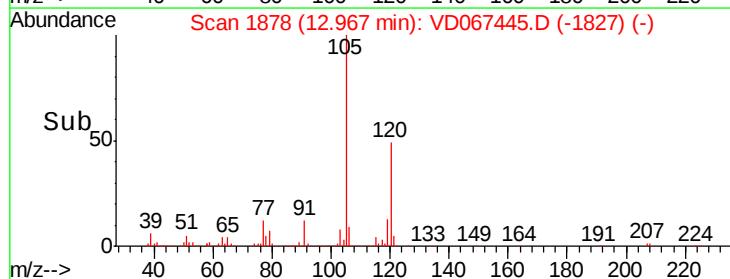
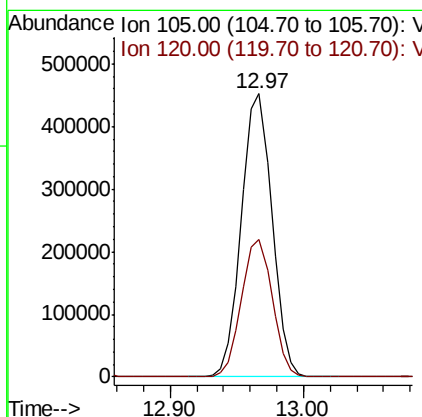
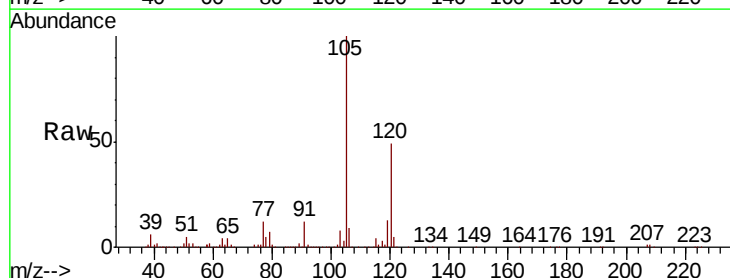
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

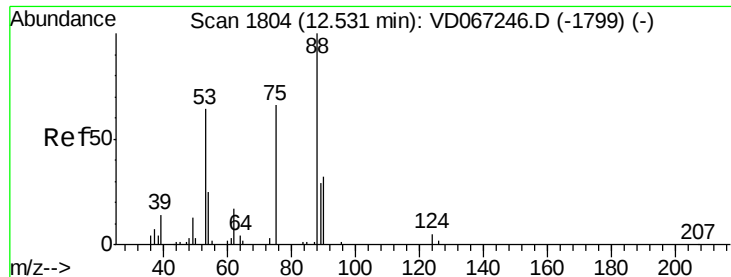
Tot Ion: 91 Resp: 538939
 Ion Ratio Lower Upper
 91 100
 126 35.6 17.6 52.8



#80
 1,3,5-Trimethylbenzene
 Concen: 57.880 ug/l
 RT: 12.97 min Scan# 1878
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion: 105 Resp: 720081
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.3 72.8





#81

trans-1,4-Dichloro-2-butene

Concen: 57.618 ug/l

RT: 12.53 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

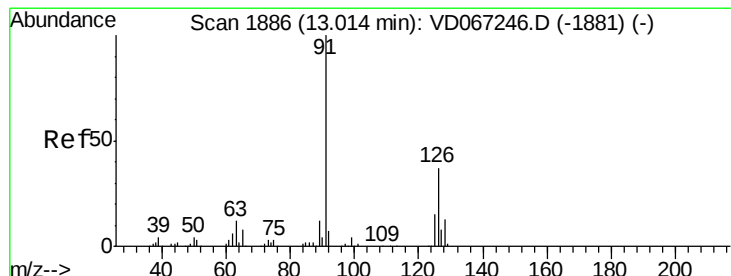
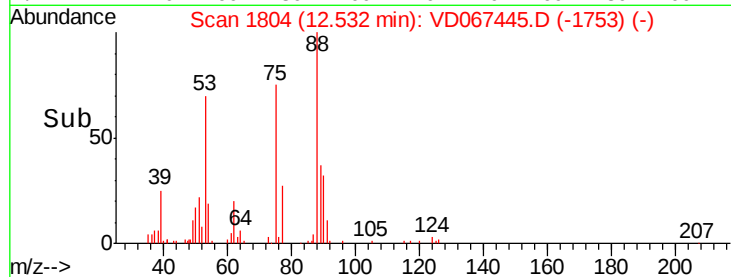
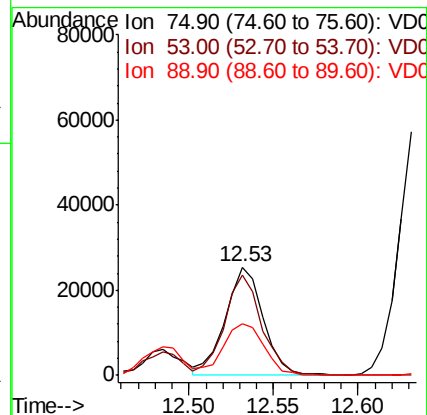
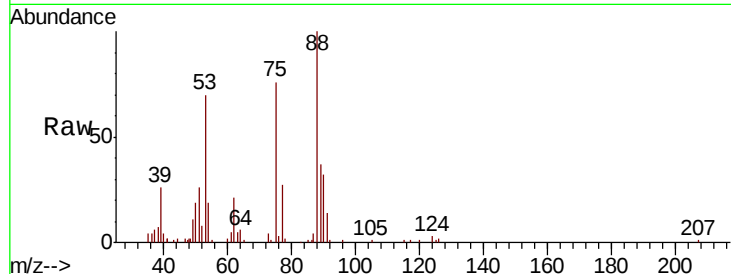
Tot Ion: 75 Resp: 39724

Ion Ratio Lower Upper

75 100

53 90.8 78.5 117.7

89 51.7 39.9 59.9



#82

4-Chlorotoluene

Concen: 55.825 ug/l

RT: 13.01 min Scan# 1885

Delta R.T. -0.01 min

Lab File: VD067445.D

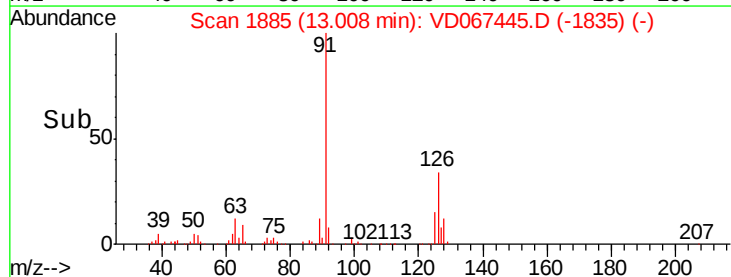
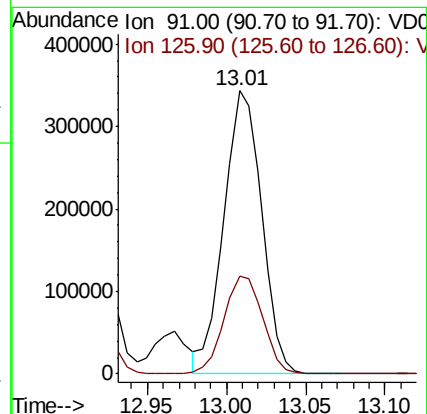
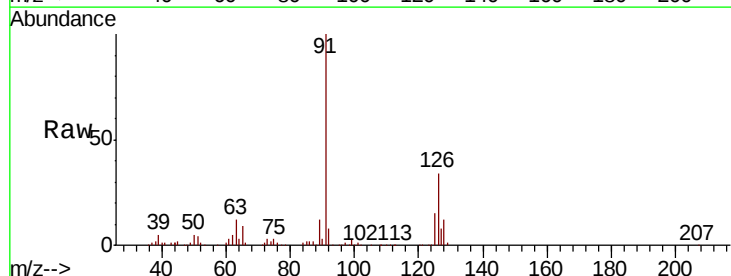
Acq: 29 Oct 2020 11:35

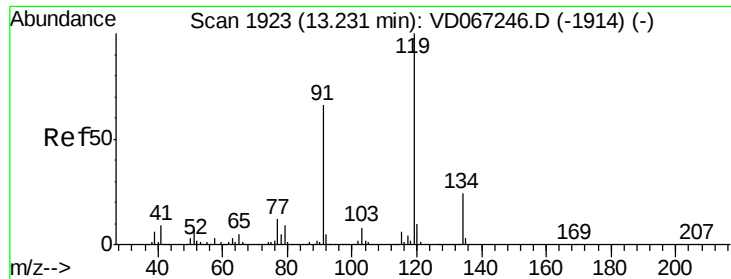
Tgt Ion: 91 Resp: 569945

Ion Ratio Lower Upper

91 100

126 35.4 17.8 53.5

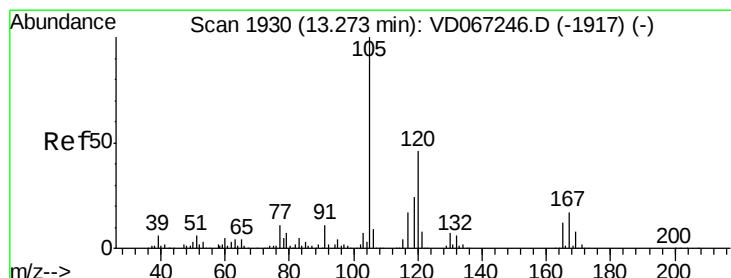
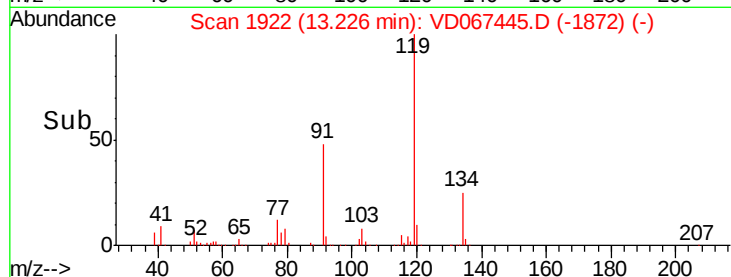
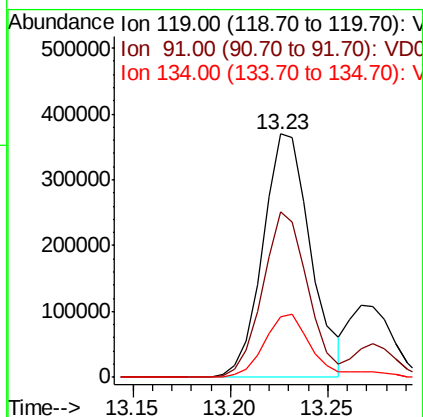
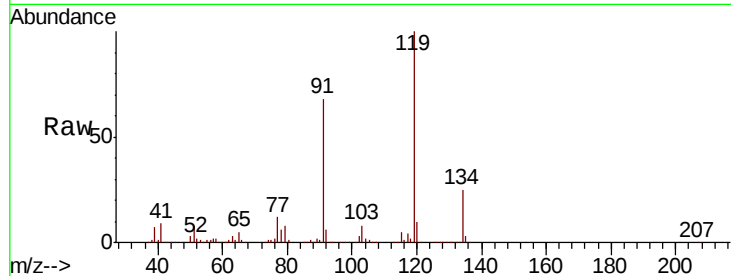




#83
tert-Butylbenzene
Concen: 59.699 ug/l
RT: 13.23 min Scan# 1922
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

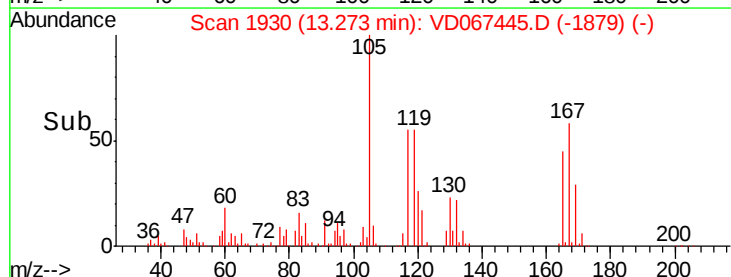
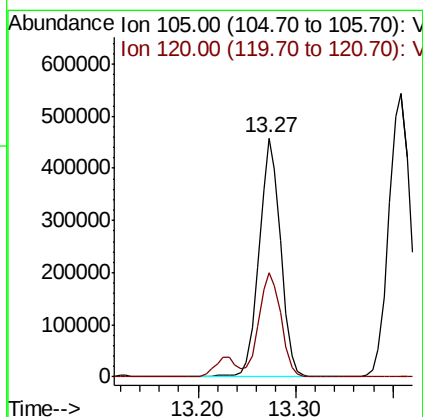
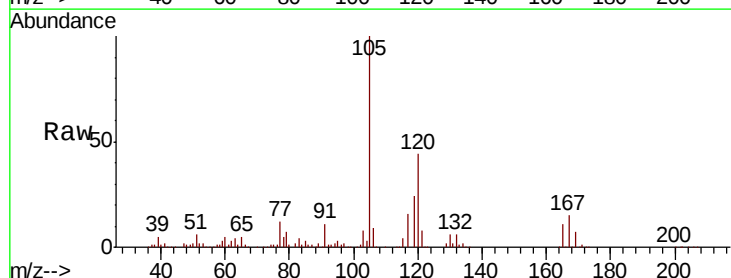
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

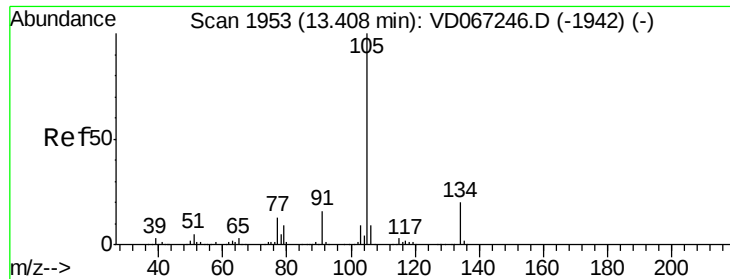
Tot Ion:119 Resp: 627373
Ion Ratio Lower Upper
119 100
91 64.1 33.1 99.2
134 26.4 13.3 39.9



#84
1,2,4-Trimethylbenzene
Concen: 57.669 ug/l
RT: 13.27 min Scan# 1930
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion:105 Resp: 709111
Ion Ratio Lower Upper
105 100
120 45.0 22.4 67.3





#85

sec-Butylbenzene

Concen: 58.668 ug/l

RT: 13.41 min Scan# 1953

Delta R.T. 0.00 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

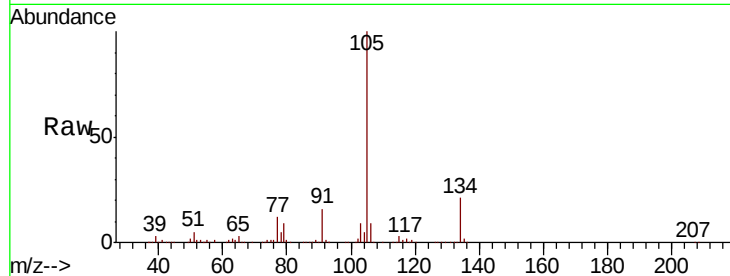
VSTDCCC050

Tot Ion:105 Resp: 845984

Ion Ratio Lower Upper

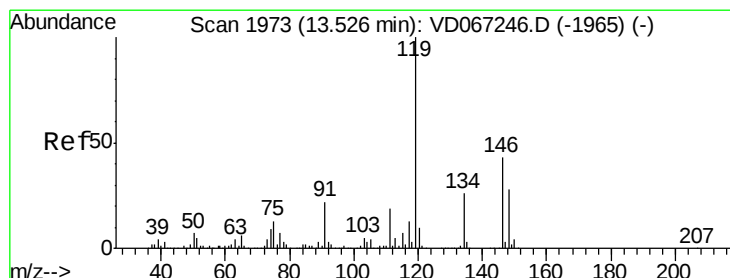
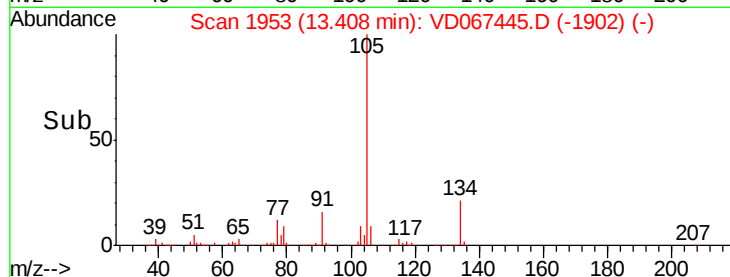
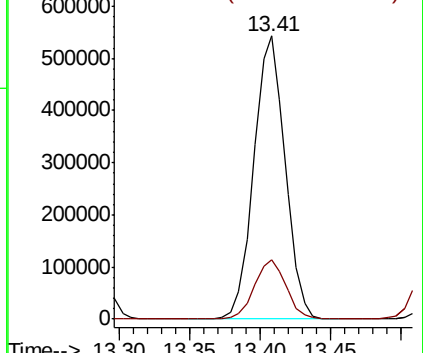
105 100

134 21.0 10.5 31.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 58.508 ug/l

RT: 13.52 min Scan# 1972

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

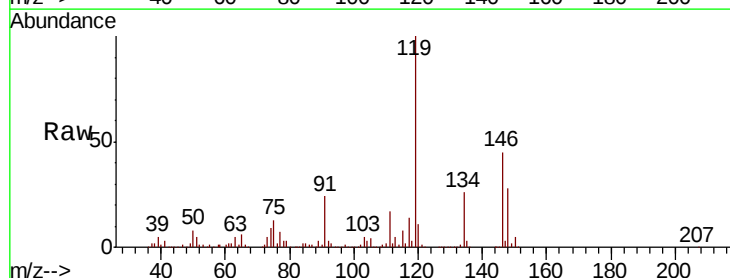
Tgt Ion:119 Resp: 796326

Ion Ratio Lower Upper

119 100

134 26.0 13.1 39.3

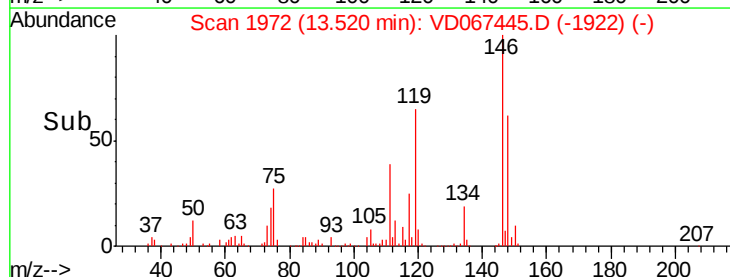
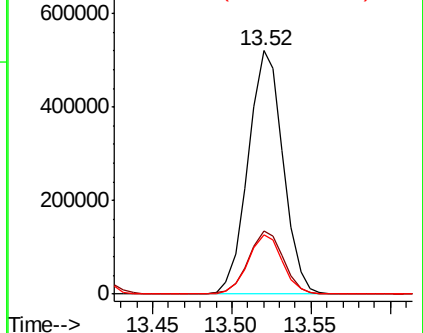
91 24.0 11.9 35.9

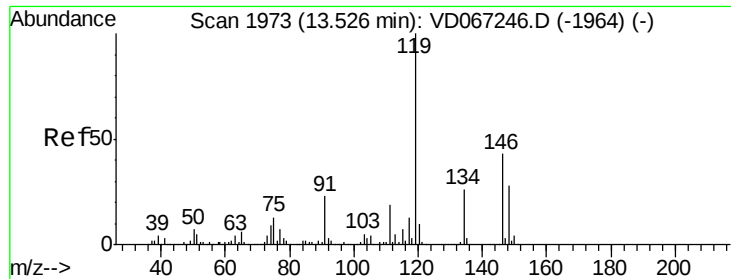


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

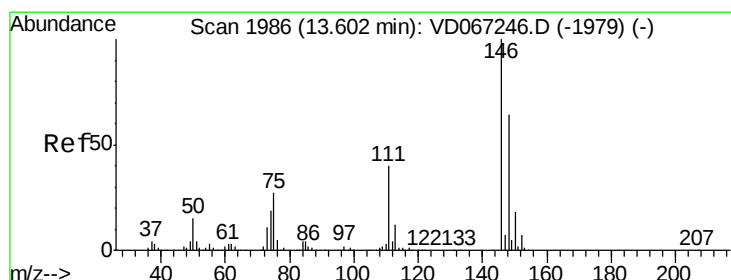
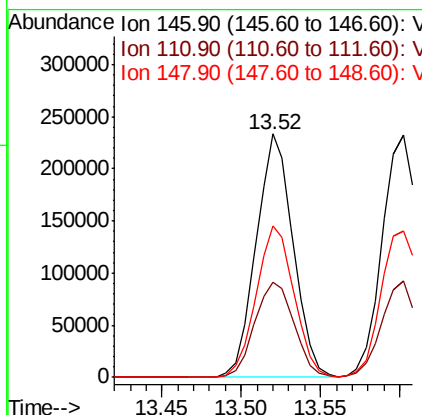
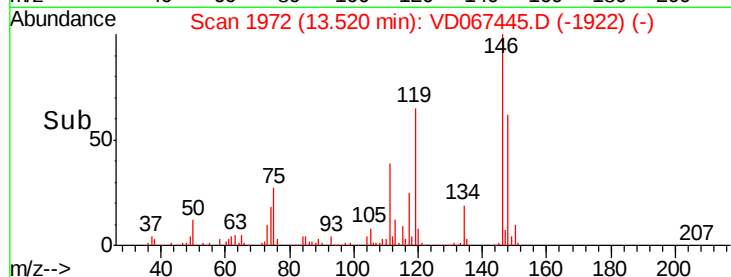
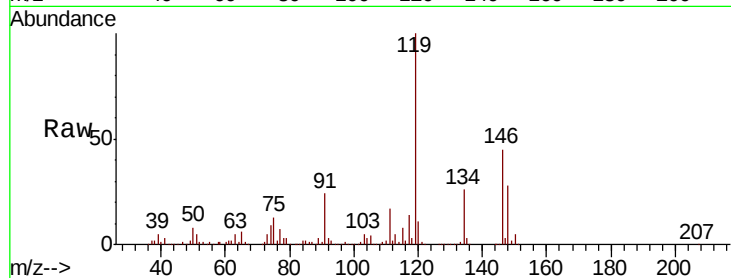




#87
 1,3-Dichlorobenzene
 Concen: 55.061 ug/l
 RT: 13.52 min Scan# 1972
 Delta R.T. -0.01 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

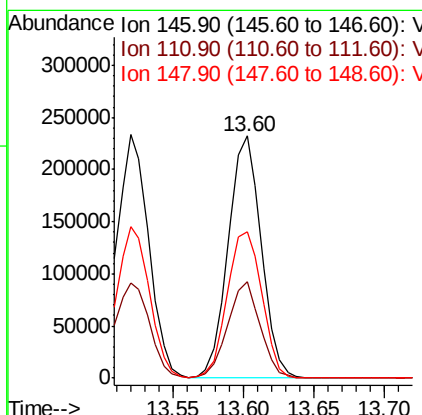
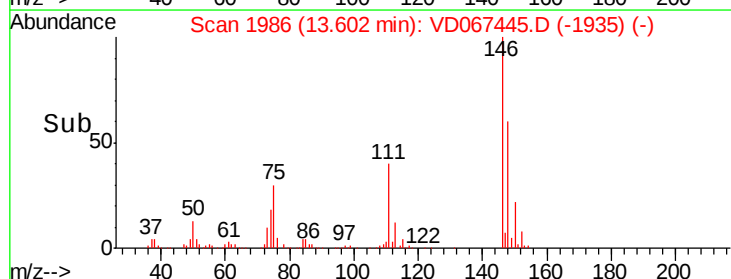
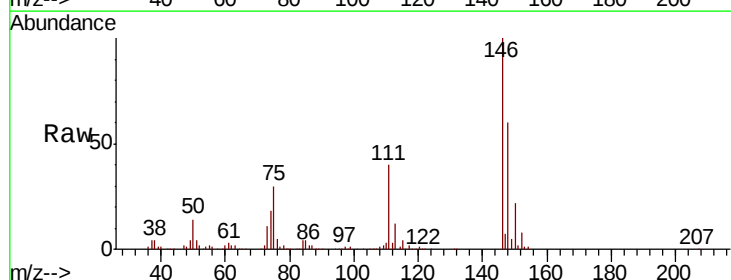
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

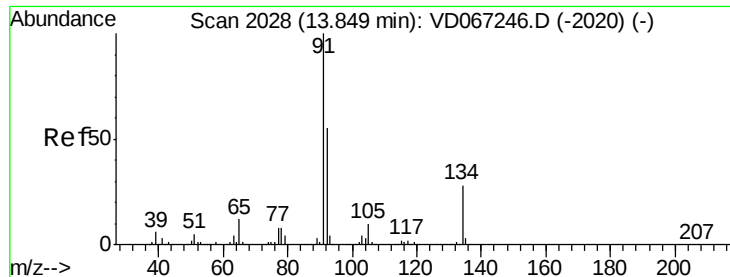
Tot Ion:146 Resp: 378265
 Ion Ratio Lower Upper
 146 100
 111 41.5 21.1 63.3
 148 63.7 31.9 95.9



#88
 1,4-Dichlorobenzene
 Concen: 55.537 ug/l
 RT: 13.60 min Scan# 1986
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion:146 Resp: 378003
 Ion Ratio Lower Upper
 146 100
 111 39.5 19.9 59.7
 148 63.6 31.9 95.9

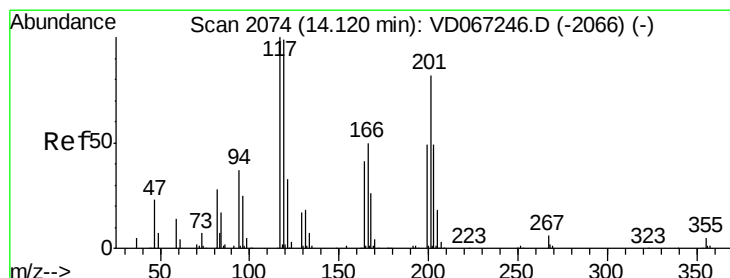
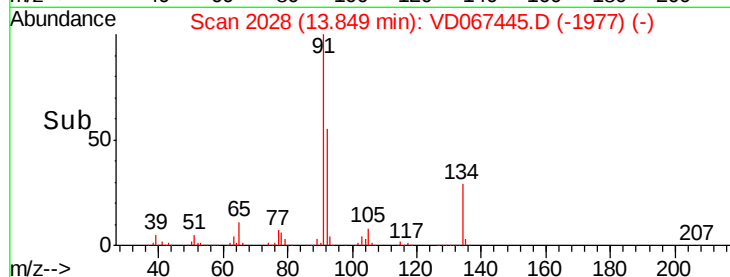
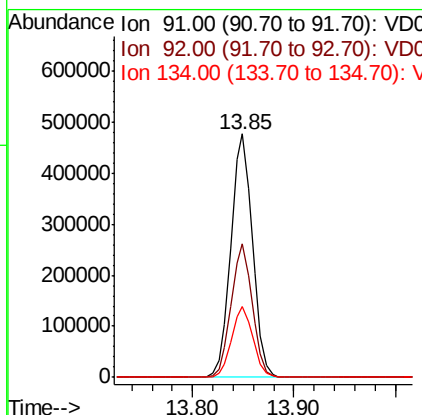
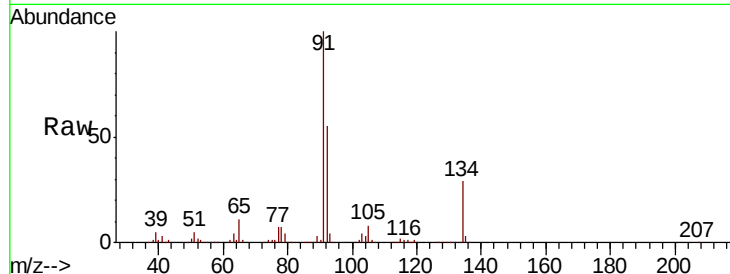




#89
n-Butylbenzene
Concen: 58.659 ug/l
RT: 13.85 min Scan# 2028
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

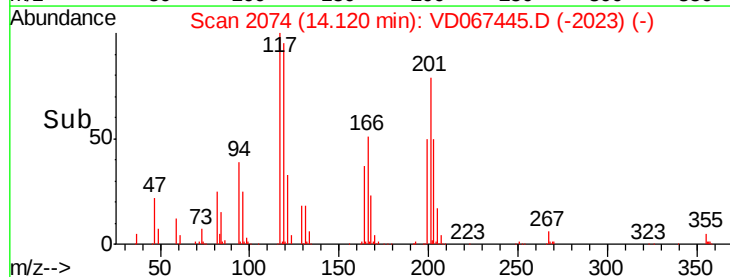
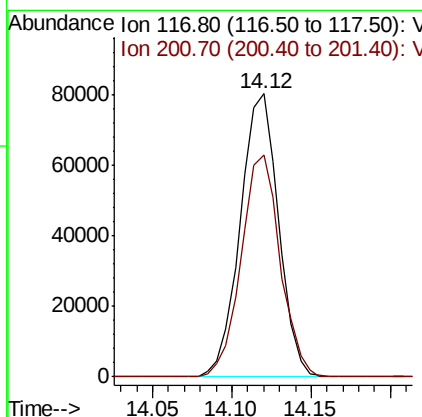
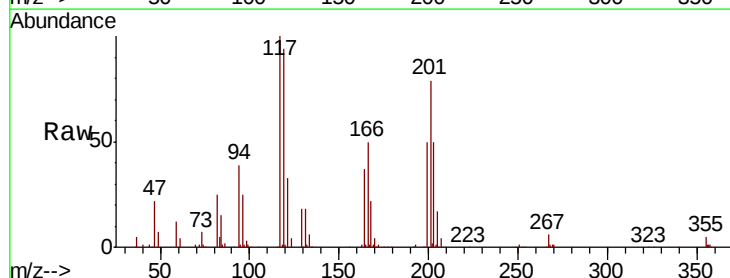
Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

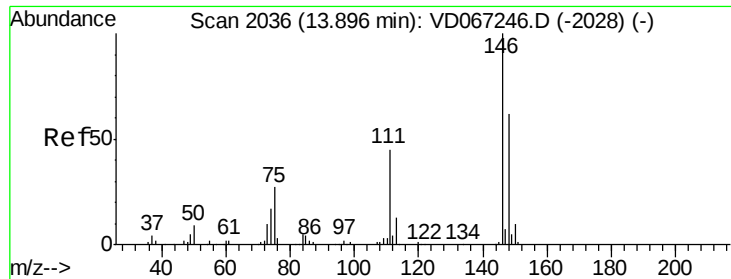
Tot Ion: 91 Resp: 702370
Ion Ratio Lower Upper
91 100
92 53.8 26.7 80.0
134 28.8 14.2 42.6



#90
Hexachloroethane
Concen: 56.814 ug/l
RT: 14.12 min Scan# 2074
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion: 117 Resp: 134939
Ion Ratio Lower Upper
117 100
201 79.9 40.8 122.2

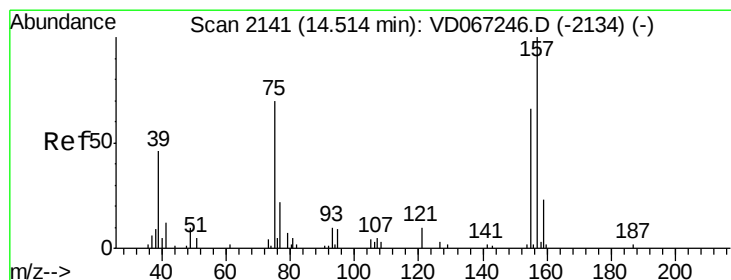
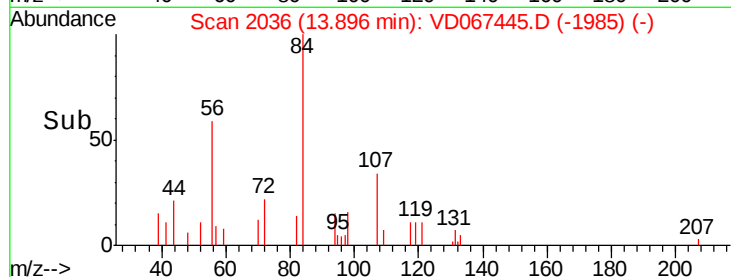
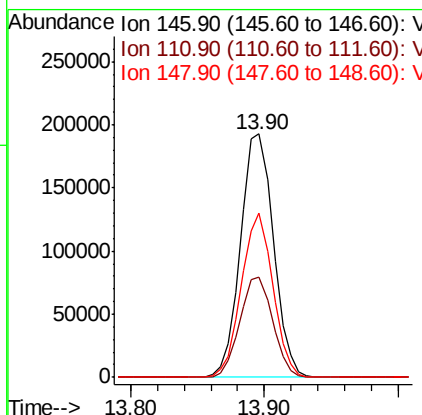
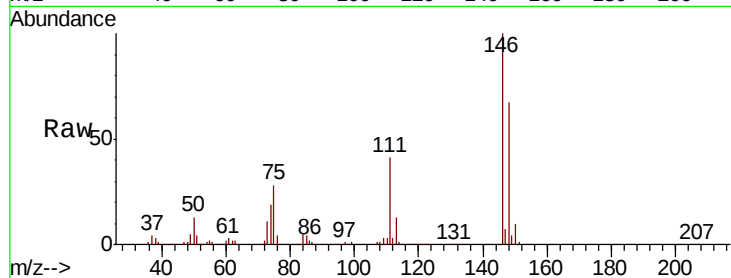




#91
 1,2-Dichlorobenzene
 Concen: 54.818 ug/l
 RT: 13.90 min Scan# 2036
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

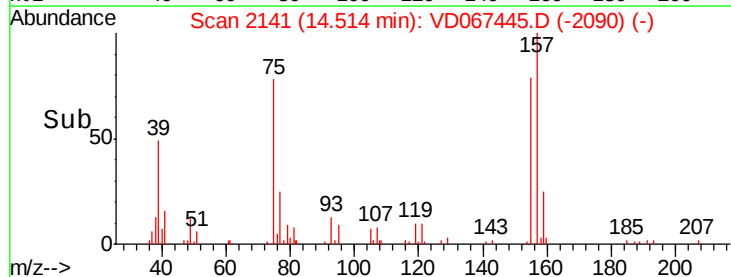
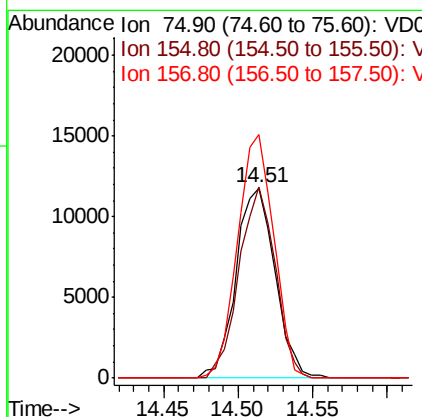
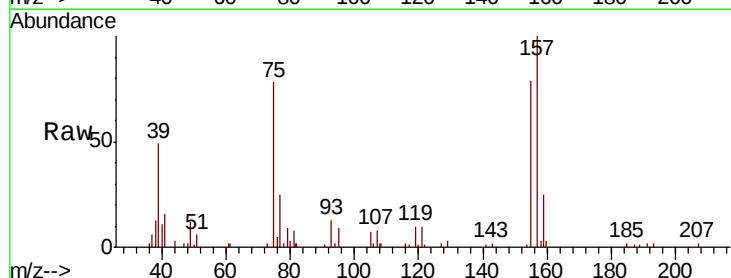
Instrument :
 MSVOA_D
 ClientSampleId :
 VSTDCCC050

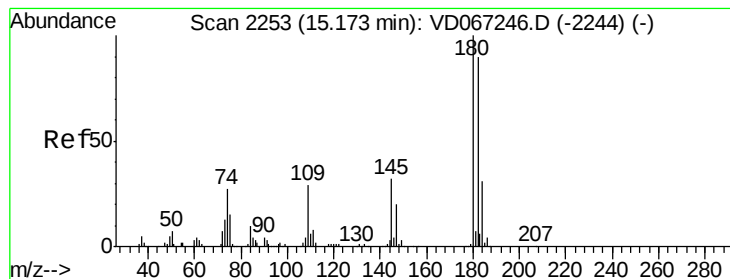
Tot Ion:146 Resp: 328989
 Ion Ratio Lower Upper
 146 100
 111 41.0 22.0 66.0
 148 64.3 32.5 97.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 53.727 ug/l
 RT: 14.51 min Scan# 2141
 Delta R.T. 0.00 min
 Lab File: VD067445.D
 Acq: 29 Oct 2020 11:35

Tgt Ion: 75 Resp: 21411
 Ion Ratio Lower Upper
 75 100
 155 93.2 44.8 134.4
 157 118.6 62.5 187.4





#93

1,2,4-Trichlorobenzene

Concen: 58.514 ug/l

RT: 15.17 min Scan# 2252

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

Instrument :

MSVOA_D

ClientSampleId :

VSTDCCC050

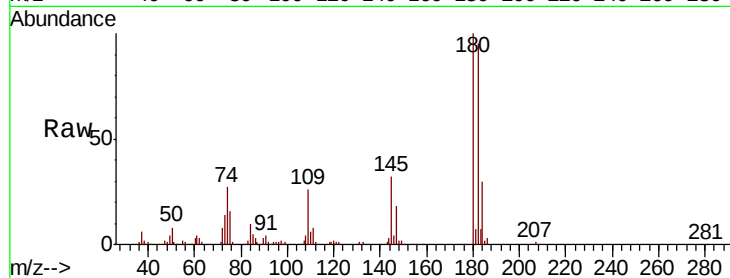
Tot Ion:180 Resp: 236767

Ion Ratio Lower Upper

180 100

182 95.6 48.1 144.4

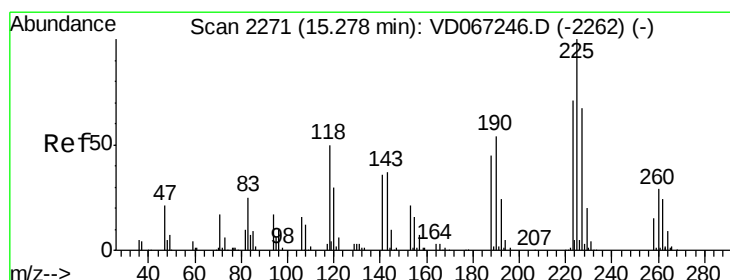
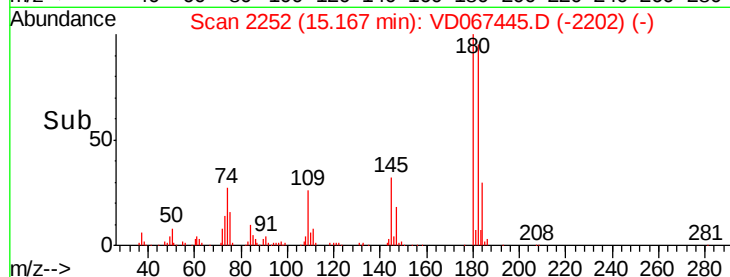
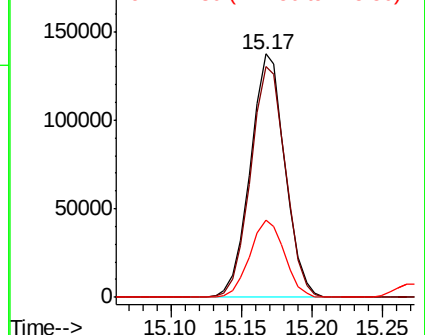
145 31.8 16.3 48.9



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: 59.798 ug/l

RT: 15.27 min Scan# 2270

Delta R.T. -0.01 min

Lab File: VD067445.D

Acq: 29 Oct 2020 11:35

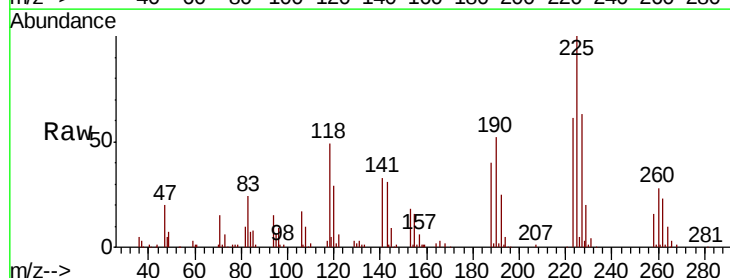
Tgt Ion:225 Resp: 150257

Ion Ratio Lower Upper

225 100

223 63.0 31.9 95.7

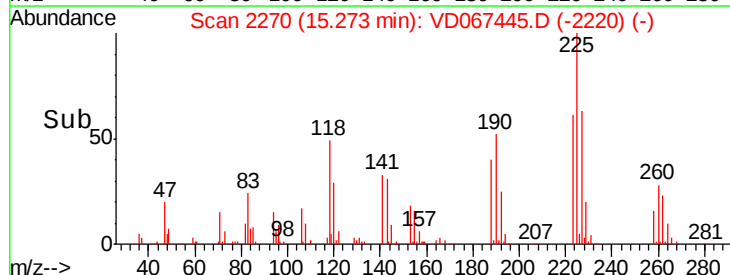
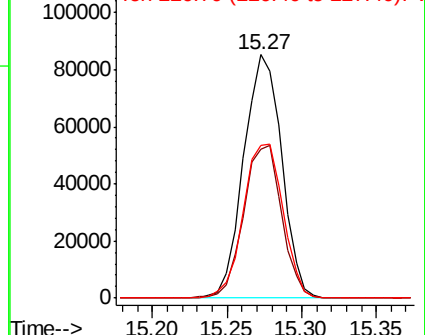
227 66.1 31.2 93.6

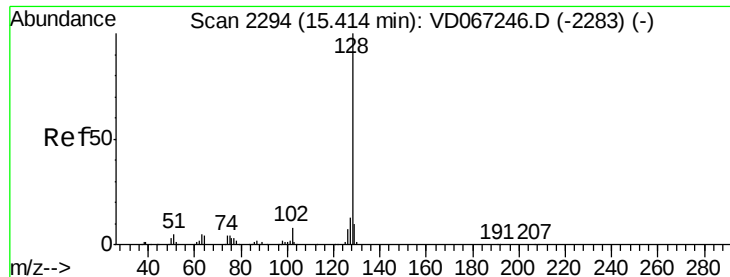


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

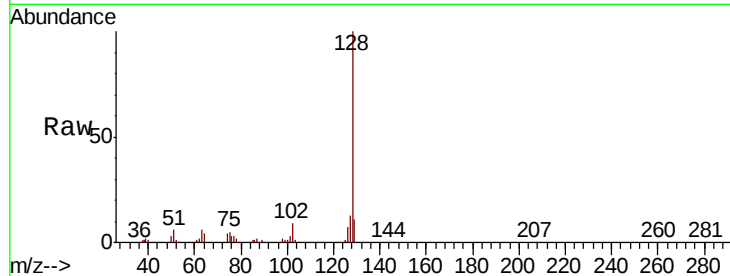




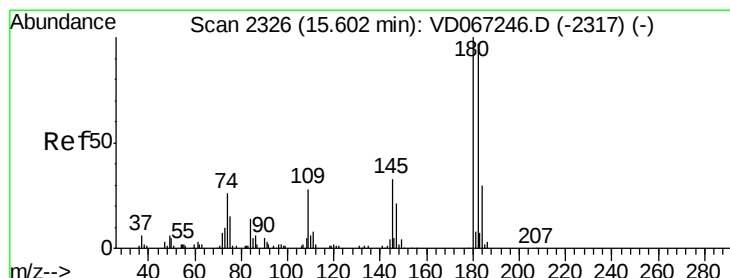
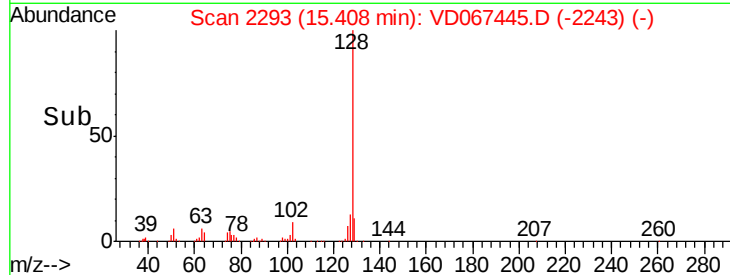
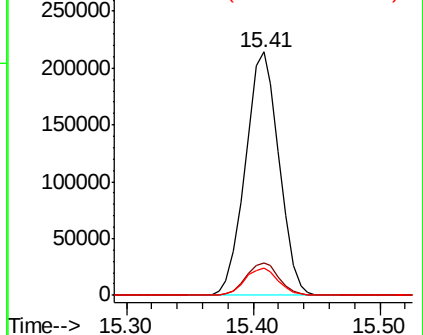
#95
Naphthalene
Concen: 59.428 ug/l
RT: 15.41 min Scan# 2293
Delta R.T. -0.01 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Instrument :
MSVOA_D
ClientSampleId :
VSTDCCC050

Tot Ion:128 Resp: 394804
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 11.2 8.6 12.8

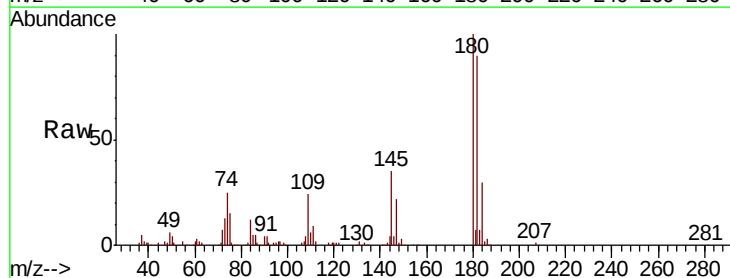


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 58.817 ug/l
RT: 15.60 min Scan# 2326
Delta R.T. 0.00 min
Lab File: VD067445.D
Acq: 29 Oct 2020 11:35

Tgt Ion:180 Resp: 205606
Ion Ratio Lower Upper
180 100
182 93.1 48.1 144.3
145 34.4 17.3 51.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

