

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD100920\
 Data File : VD067217.D
 Acq On : 09 Oct 2020 17:45
 Operator : VA/SY
 Sample : L4317-01
 Misc : 5.04G/5.00ml/MSVOA D/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 11991

Quant Time: Oct 09 23:48:03 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 01 15:19:17 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	447659	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	743284	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	680331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	271776	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.33	65	206021	47.78	ug/l	0.00
Spiked Amount			Recovery	=	95.56%	
35) Dibromofluoromethane	7.92	113	235780	48.45	ug/l	0.00
Spiked Amount			Recovery	=	96.90%	
50) Toluene-d8	10.34	98	864790	48.77	ug/l	0.00
Spiked Amount			Recovery	=	97.54%	
62) 4-Bromofluorobenzene	12.64	95	292571	48.60	ug/l	0.00
Spiked Amount			Recovery	=	97.20%	

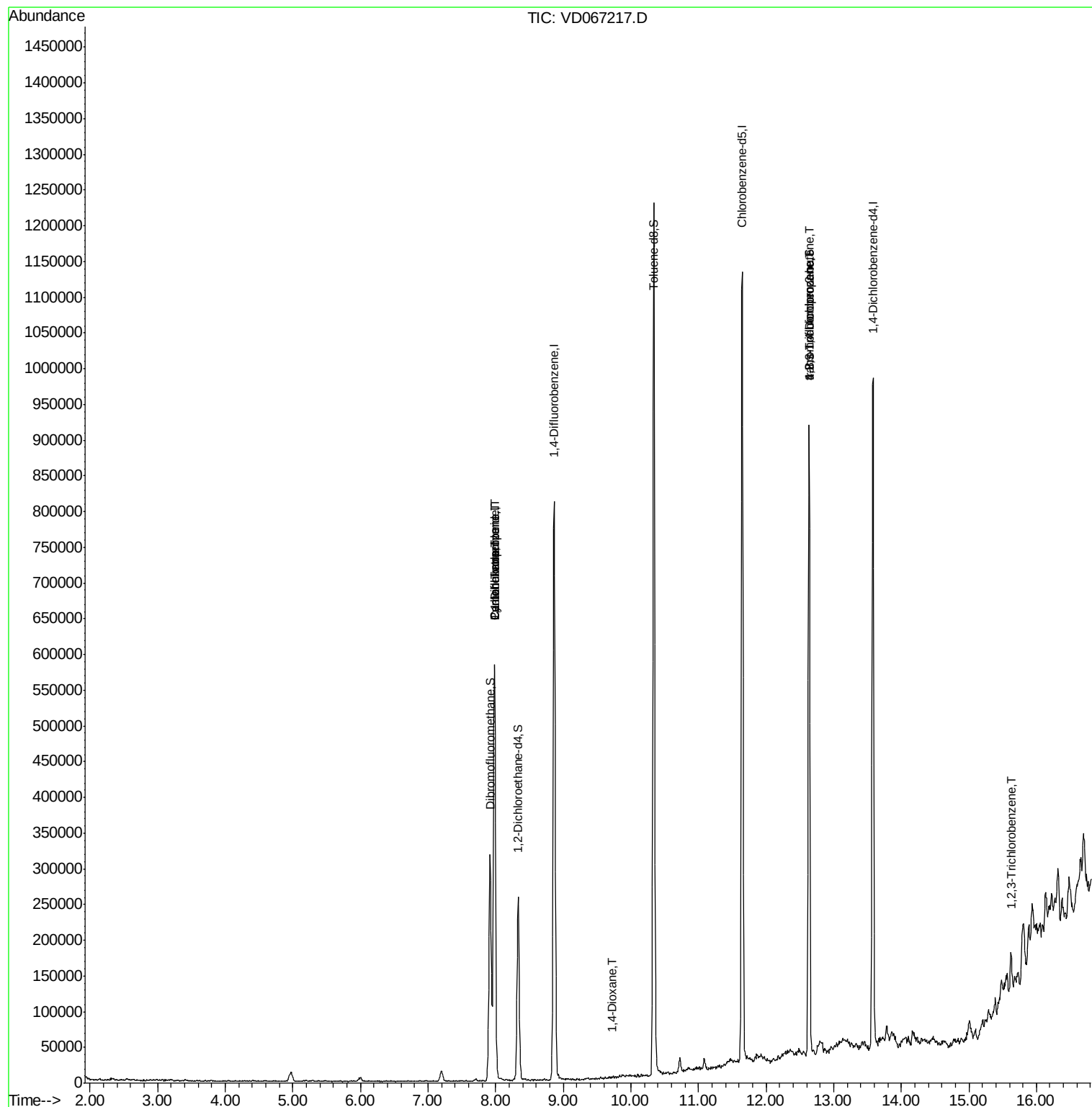
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.98	85	512	Below Cal		95
5) Bromomethane	2.78	94	76	Below Cal	#	3
11) Tert butyl alcohol	5.25	59	70	Below Cal	#	72
20) Methylene Chloride	4.97	84	11323	Below Cal	#	95
26) 2,2-Dichloropropane	7.19	77	1095	Below Cal	#	53
31) Cyclohexane	7.98	56	8333	1.287	ug/l #	1
36) 1,1-Dichloropropene	7.98	75	32600	4.705	ug/l #	50
38) Carbon Tetrachloride	7.98	117	44397	5.923	ug/l #	17
49) 1,4-Dioxane	9.71	88	67	2.470	ug/l #	25
76) 1,2,3-Trichloropropane	12.64	75	144790	61.164	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	144790	152.489	ug/l #	12
96) 1,2,3-Trichlorobenzene	15.63	180	5354	1.258	ug/l #	23

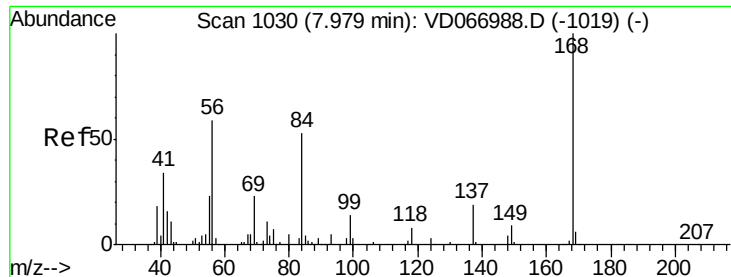
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD100920\
Data File : VD067217.D
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Sample : L4317-01
Misc : 5.04G/5.00ml/MSVOA D/SOIL
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
11991

Quant Time: Oct 09 23:48:03 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D100120S.M
Quant Title : SW846 8260
QLast Update : Thu Oct 01 15:19:17 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.01 min

Lab File: VD067217.D

Acq: 09 Oct 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

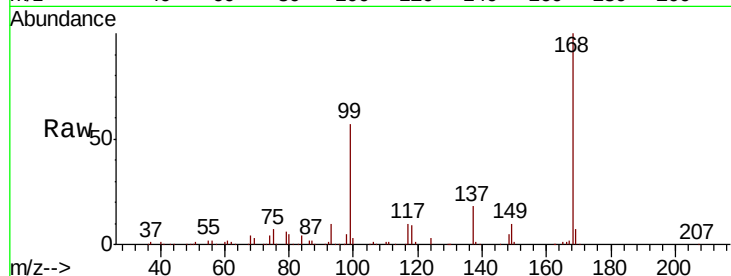
11991

Tot Ion:168 Resp: 447659

Ion Ratio Lower Upper

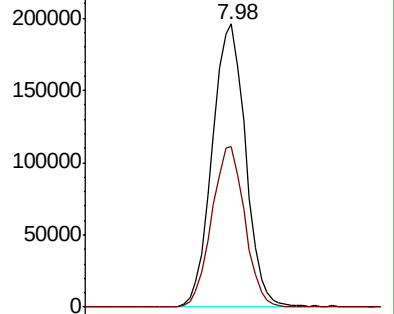
168 100

99 56.8 44.1 66.1

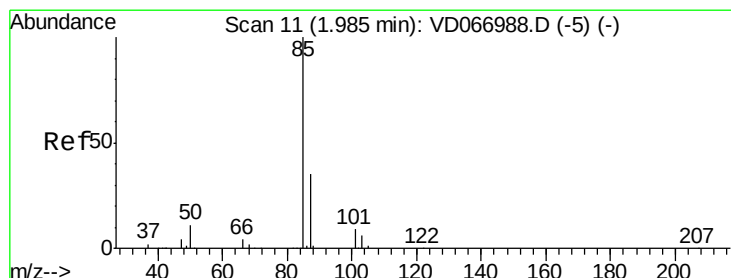
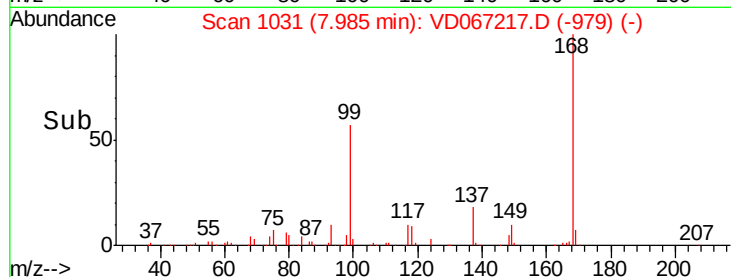


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VDC



Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.98 min Scan# 11

Delta R.T. -0.00 min

Lab File: VD067217.D

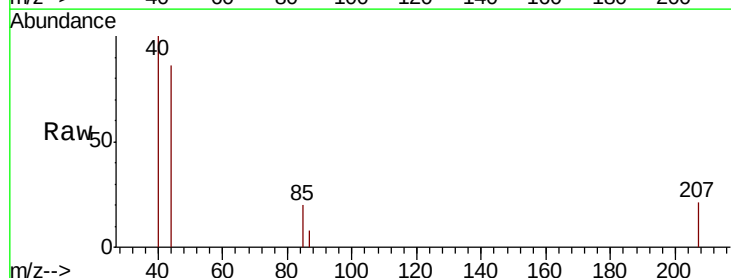
Acq: 09 Oct 2020 17:45

Tgt Ion: 85 Resp: 512

Ion Ratio Lower Upper

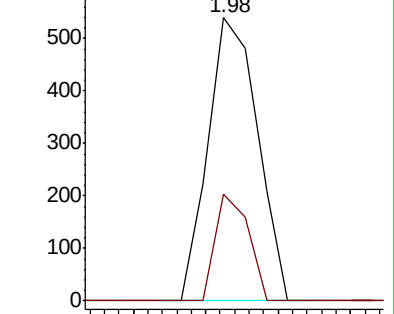
85 100

87 37.7 17.3 52.0

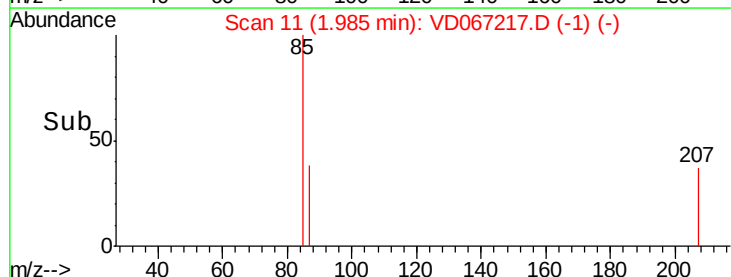


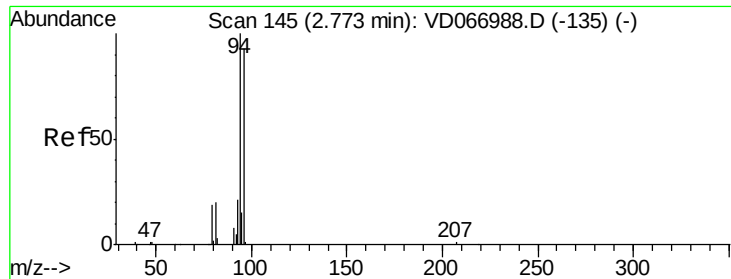
Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC



Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.78 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067217.D

Acq: 09 Oct 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

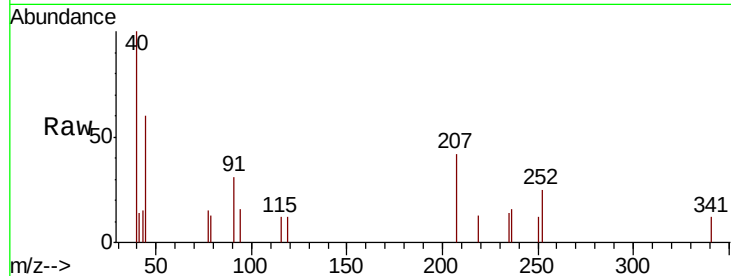
11991

Tot Ion: 94 Resp: 76

Ion Ratio Lower Upper

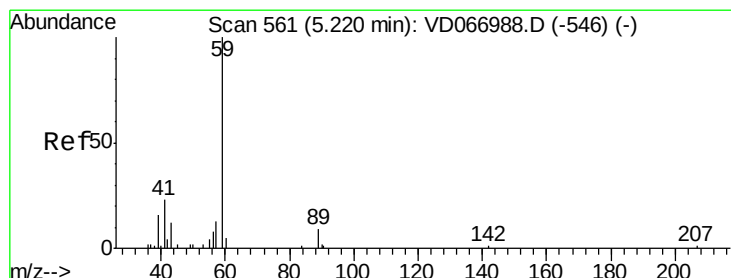
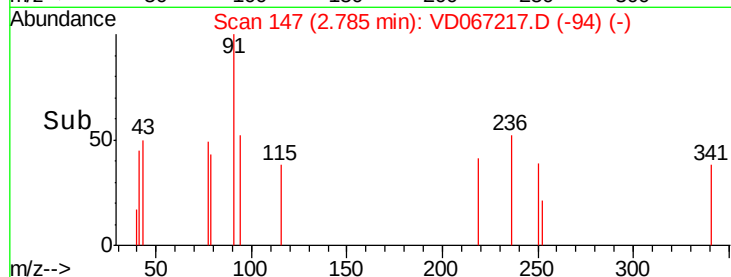
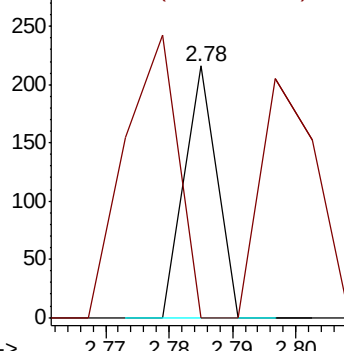
94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.25 min Scan# 566

Delta R.T. 0.03 min

Lab File: VD067217.D

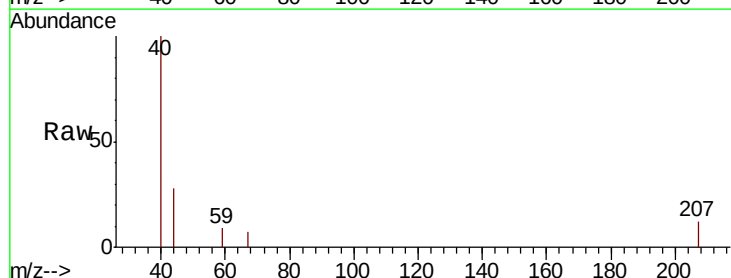
Acq: 09 Oct 2020 17:45

Tgt Ion: 59 Resp: 70

Ion Ratio Lower Upper

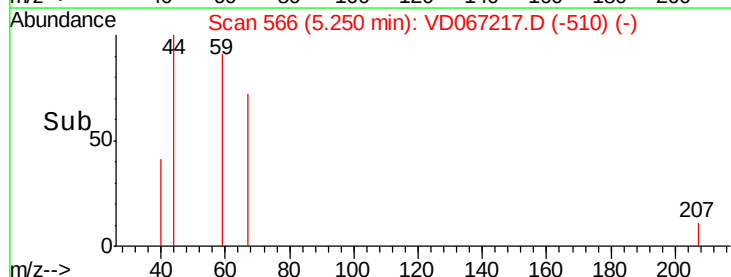
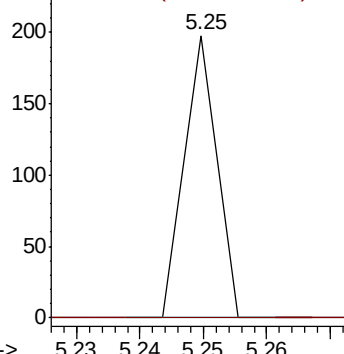
59 100

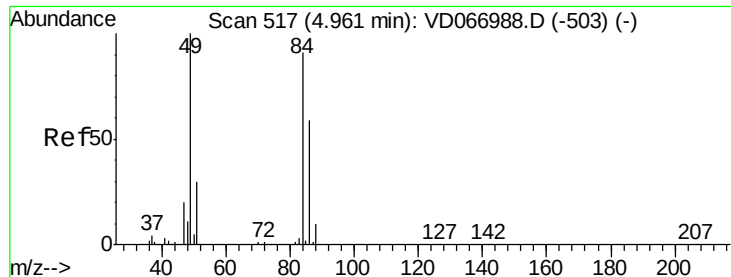
57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

Ion 57.00 (56.70 to 57.70): VDC

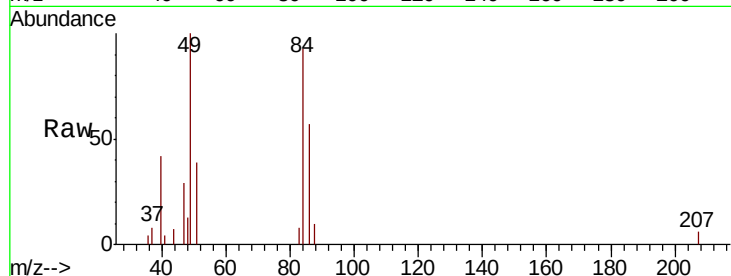




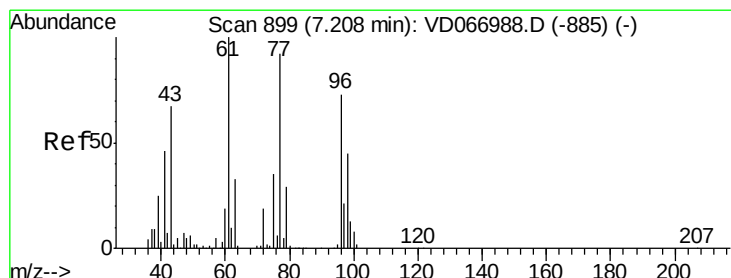
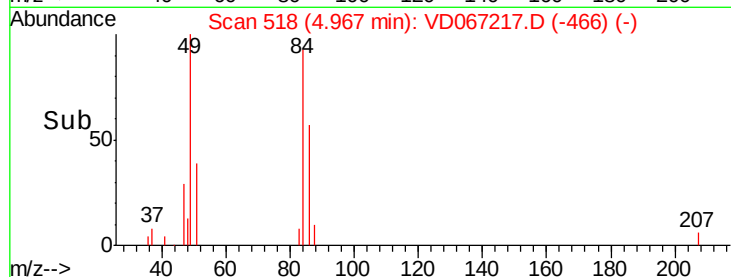
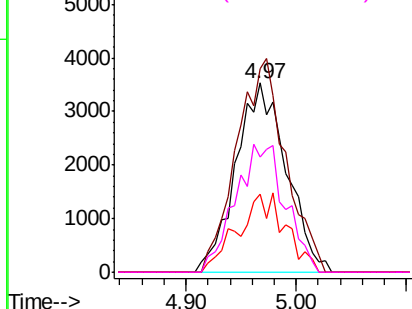
#20
Methvlene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Instrument :
MSVOA_D
ClientSampleId :
11991

Tot Ion: 84 Resp: 11323
Ion Ratio Lower Upper
84 100
49 107.9 88.2 132.2
51 41.6 26.6 39.8#
86 61.1 52.1 78.1

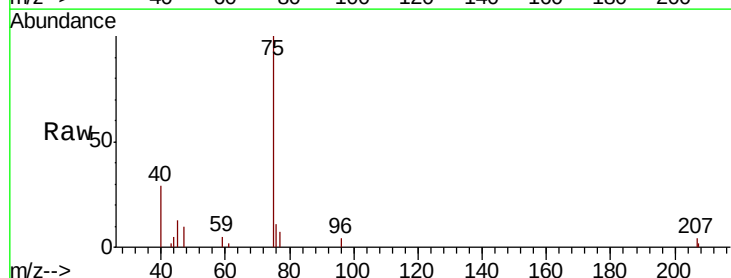


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

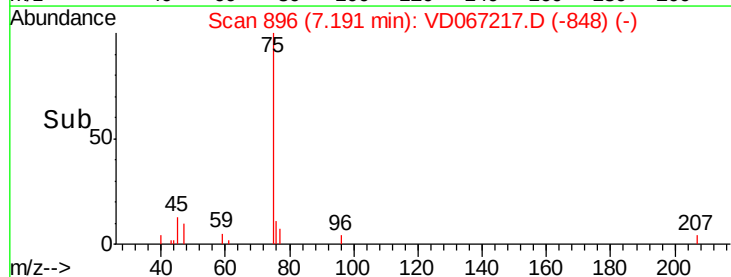
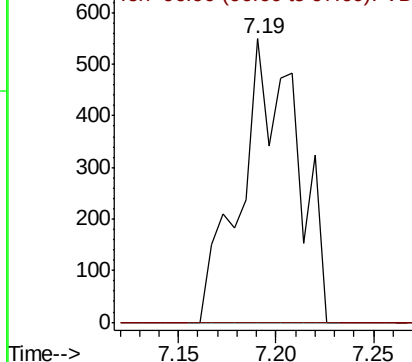


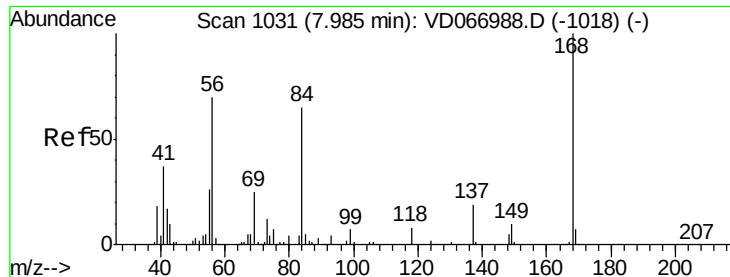
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.19 min Scan# 896
Delta R.T. -0.02 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Tgt Ion: 77 Resp: 1095
Ion Ratio Lower Upper
77 100
97 0.0 11.4 34.2#



Abundance Ion 76.90 (76.60 to 77.60): VDC
Ion 96.90 (96.60 to 97.60): VDC

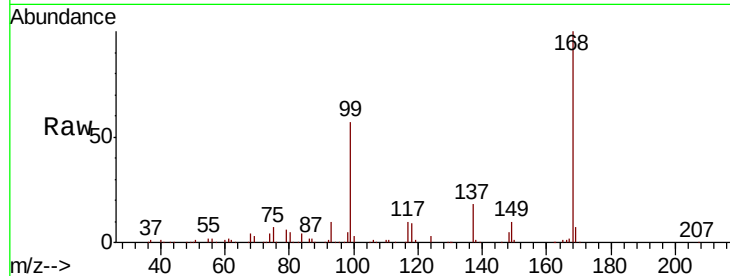




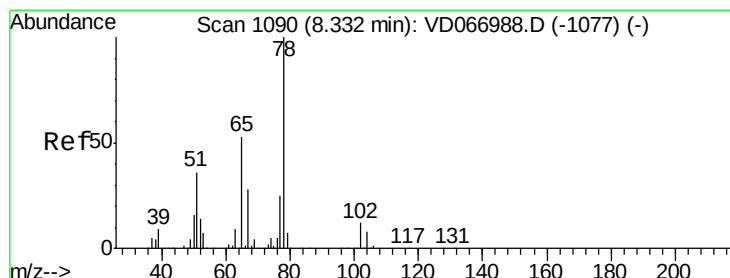
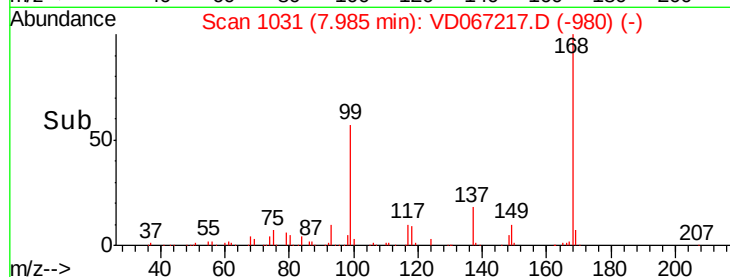
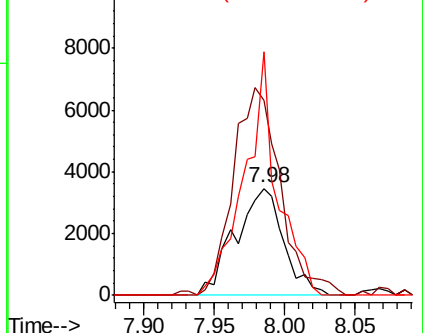
#31
Cyclohexane
Concen: 1.287 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.00 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Instrument :
MSVOA_D
ClientSampleId :
11991

Tot Ion: 56 Resp: 8333
Ion Ratio Lower Upper
56 100
69 177.9 29.0 43.6#
84 227.0 74.2 111.2#

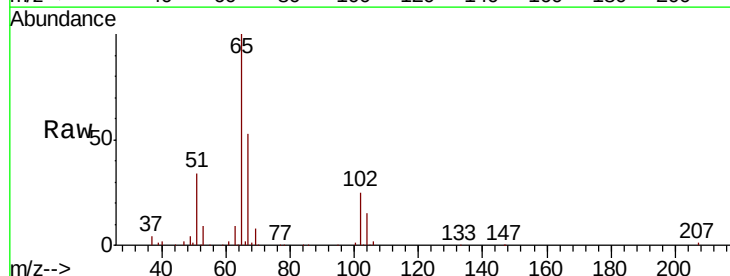


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

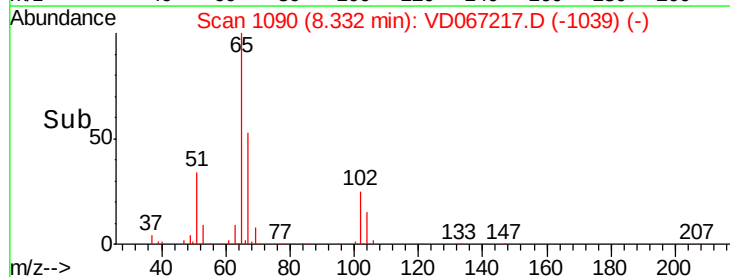
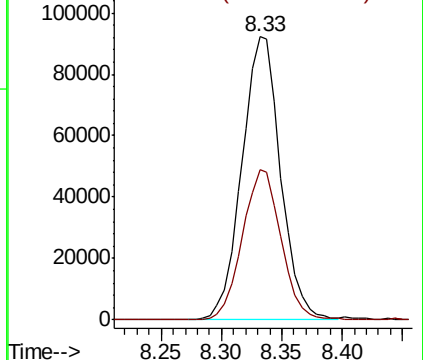


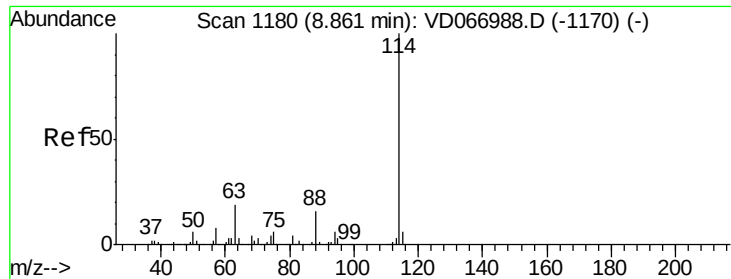
#33
1,2-Dichloroethane-d4
Concen: 47.780 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Tgt Ion: 65 Resp: 206021
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8



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. 0.01 min

Lab File: VD067217.D

Acq: 09 Oct 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

11991

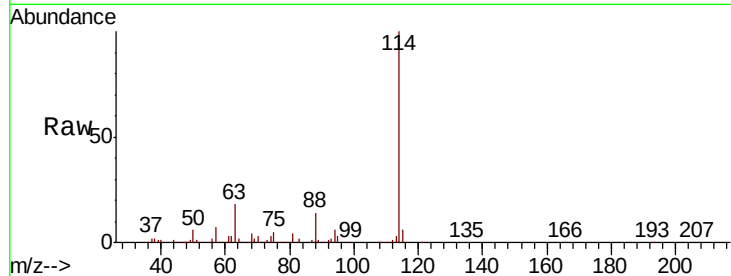
Tot Ion:114 Resp: 743284

Ion Ratio Lower Upper

114 100

63 17.6 0.0 38.4

88 14.4 0.0 31.2

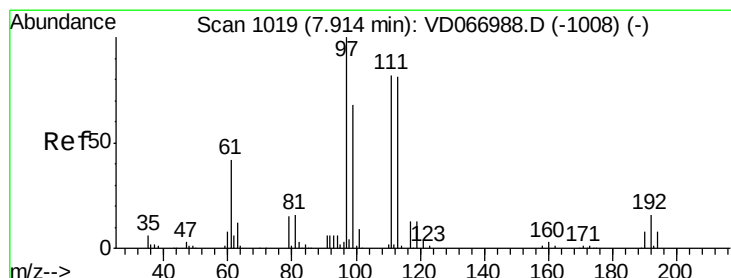
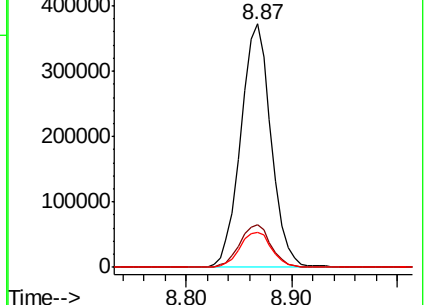
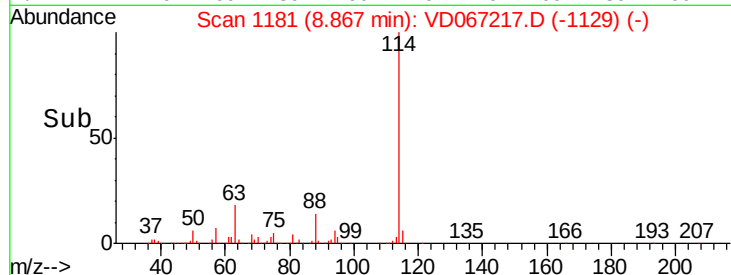


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): V

Ion 87.90 (87.60 to 88.60): V

8.87



#35

Dibromofluoromethane

Concen: 48.453 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067217.D

Acq: 09 Oct 2020 17:45

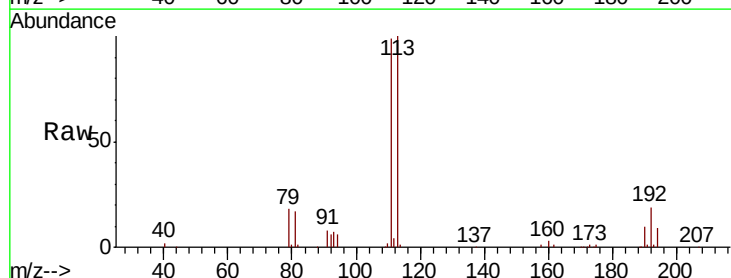
Tgt Ion:113 Resp: 235780

Ion Ratio Lower Upper

113 100

111 98.6 83.0 124.4

192 19.8 15.5 23.3

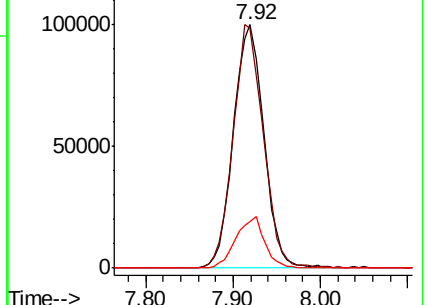
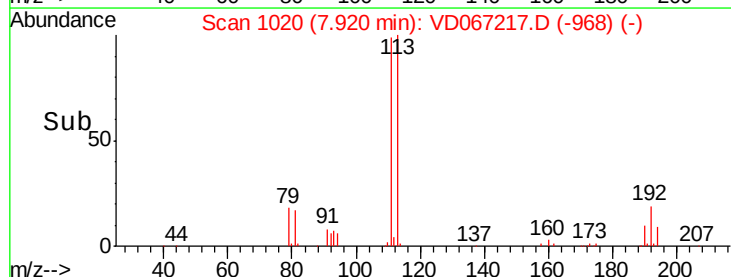


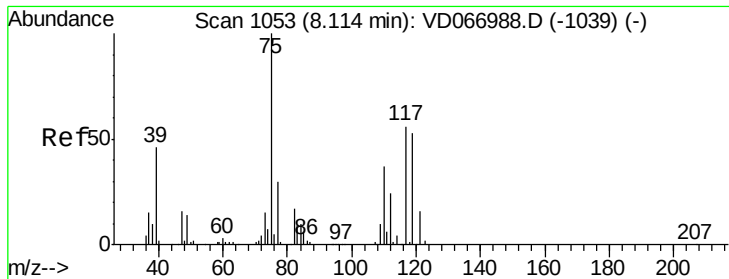
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.92

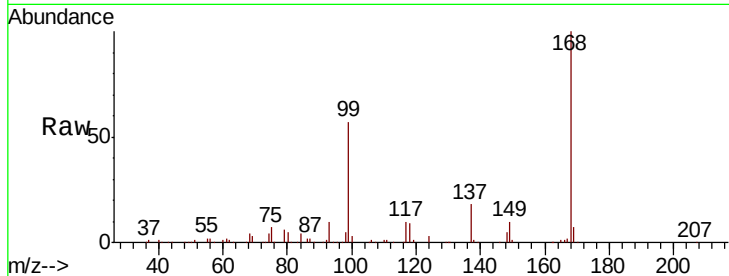




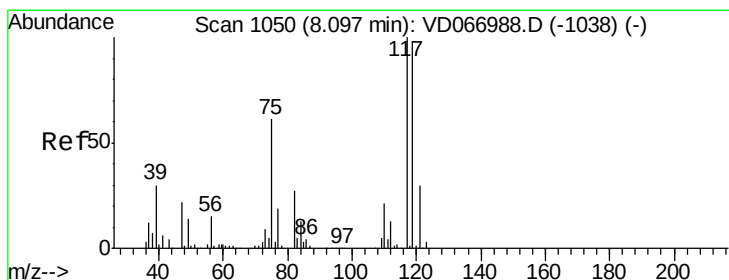
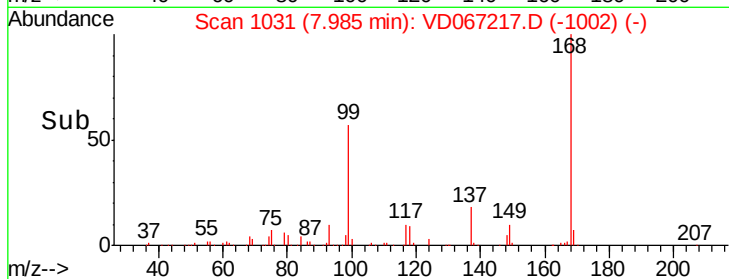
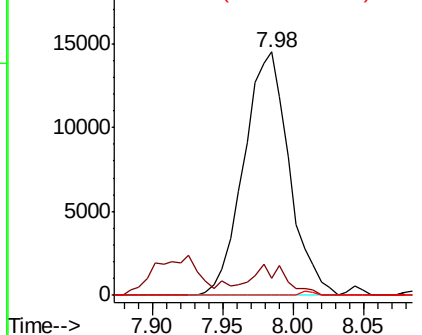
#36
 1,1-Dichloropropene
 Concen: 4.705 ug/l
 RT: 7.98 min Scan# 1031
 Delta R.T. -0.13 min
 Lab File: VD067217.D
 Acq: 09 Oct 2020 17:45

Instrument :
 MSVOA_D
 ClientSampled :
 11991

Tot Ion: 75 Resp: 32600
 Ion Ratio Lower Upper
 75 100
 110 9.8 18.4 55.0#
 77 0.0 24.8 37.2#

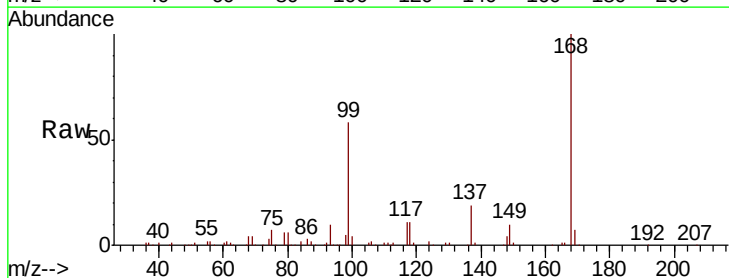


Abundance Ion 74.90 (74.60 to 75.60): VD066988.D (-1039) (-)
 Ion 109.90 (109.60 to 110.60): VD066988.D (-1039) (-)
 Ion 76.90 (76.60 to 77.60): VD066988.D (-1039) (-)

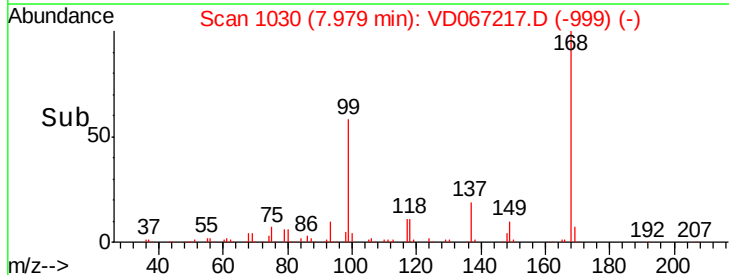
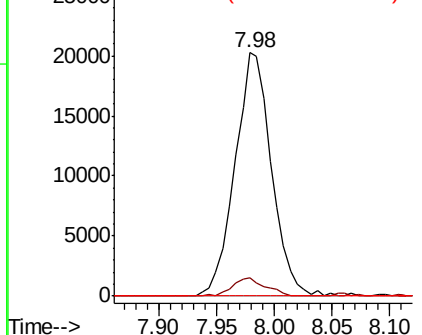


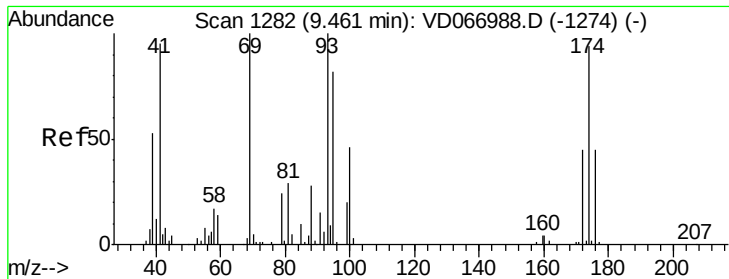
#38
 Carbon Tetrachloride
 Concen: 5.923 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.12 min
 Lab File: VD067217.D
 Acq: 09 Oct 2020 17:45

Tgt Ion: 117 Resp: 44397
 Ion Ratio Lower Upper
 117 100
 119 7.3 78.7 118.1#
 121 0.0 24.2 36.2#



Abundance Ion 116.80 (116.50 to 117.50): VD066988.D (-1038) (-)
 Ion 118.80 (118.50 to 119.50): VD066988.D (-1038) (-)
 Ion 120.80 (120.50 to 121.50): VD066988.D (-1038) (-)





#49

1,4-Dioxane

Concen: 2.470 ug/l

RT: 9.71 min Scan# 1325

Delta R.T. 0.25 min

Lab File: VD067217.D

Acq: 09 Oct 2020 17:45

Instrument :

MSVOA_D

ClientSampled :

11991

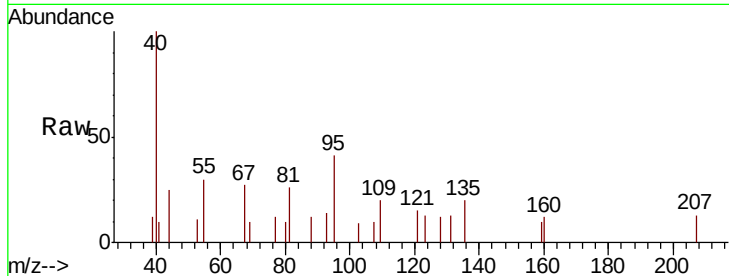
Tot Ion: 88 Resp: 67

Ion Ratio Lower Upper

88 100

43 0.0 25.6 38.4#

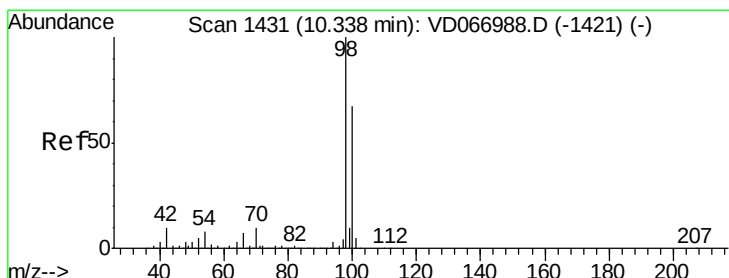
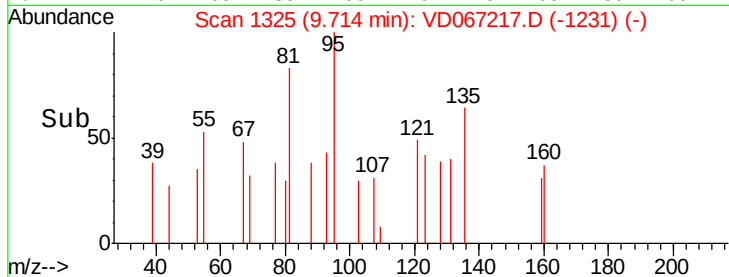
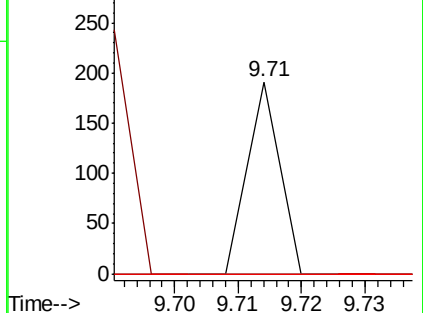
58 0.0 53.5 80.3#



Abundance Ion 88.00 (87.70 to 88.70): VDC

Ion 43.00 (42.70 to 43.70): VDC

Ion 58.00 (57.70 to 58.70): VDC



#50

Toluene-d8

Concen: 48.771 ug/l

RT: 10.34 min Scan# 1431

Delta R.T. -0.00 min

Lab File: VD067217.D

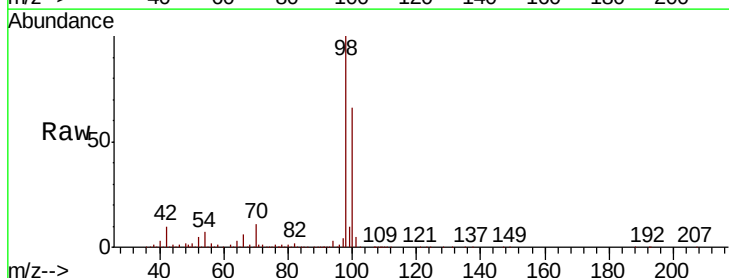
Acq: 09 Oct 2020 17:45

Tgt Ion: 98 Resp: 864790

Ion Ratio Lower Upper

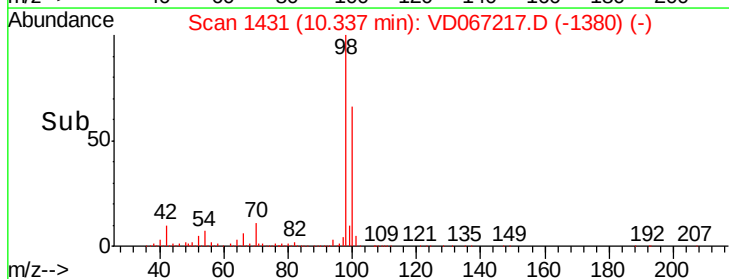
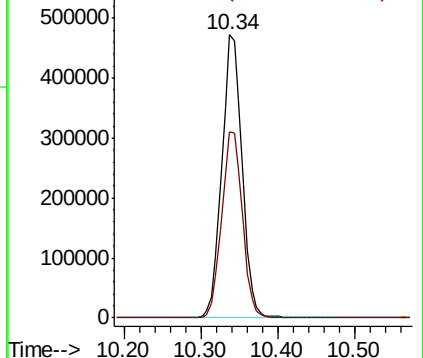
98 100

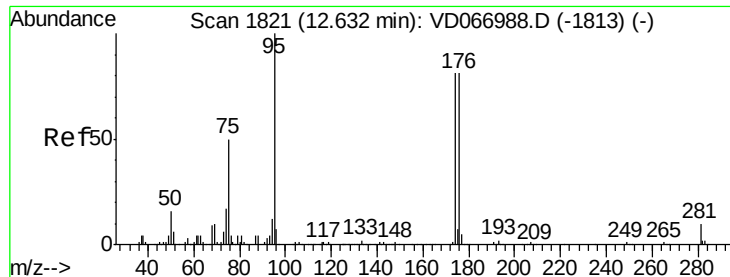
100 67.0 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC

Ion 100.00 (99.70 to 100.70): VDC

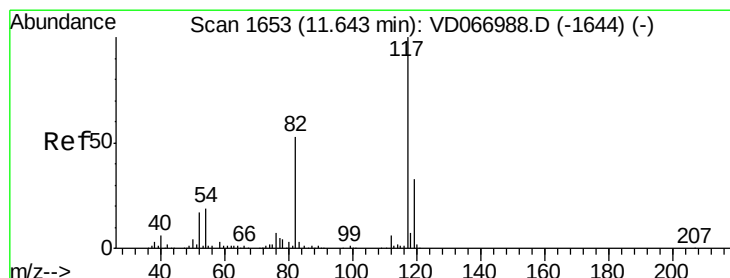
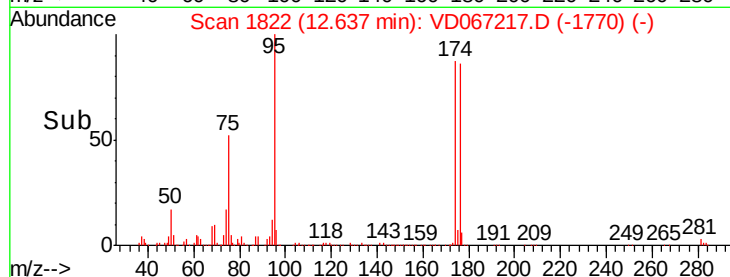
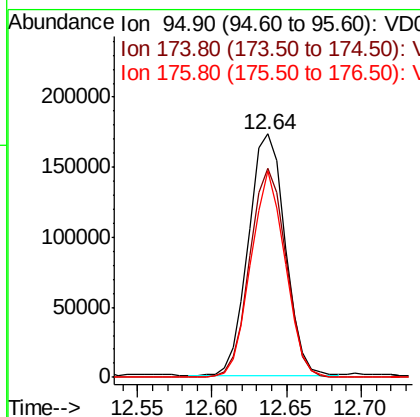
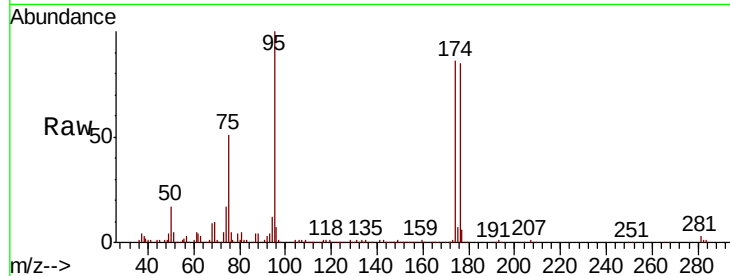




#62
4-Bromofluorobenzene
Concen: 48.604 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.01 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

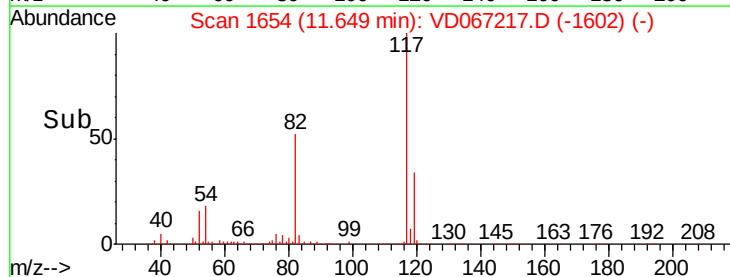
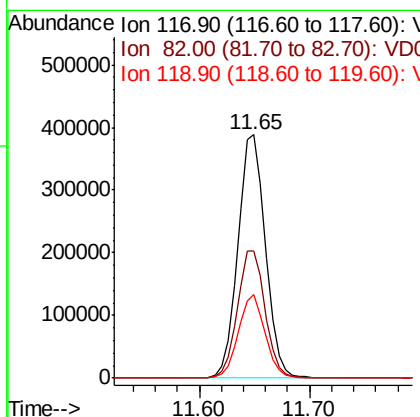
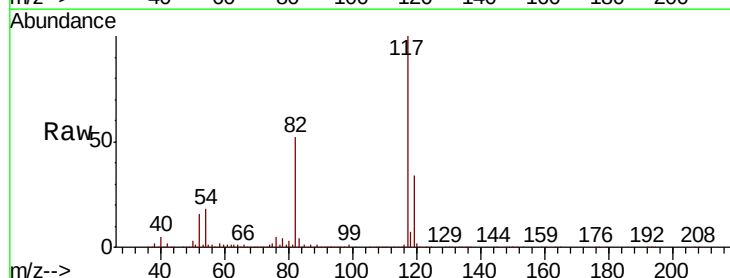
Instrument :
MSVOA_D
ClientSampleId :
11991

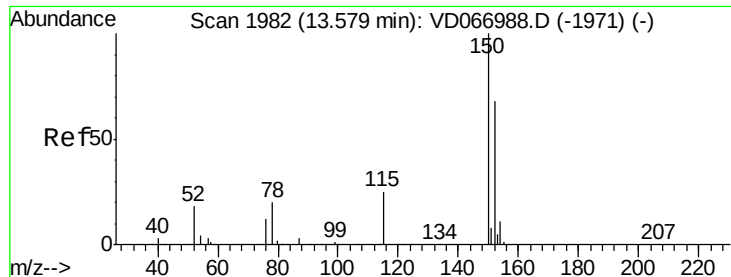
Tot Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	167.6
176	80.2	0.0	162.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Tgt Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.6	63.8
119	34.3	26.3	39.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.01 min

Lab File: VD067217.D

Acq: 09 Oct 2020 17:45

Instrument :

MSVOA_D

ClientSampleId :

11991

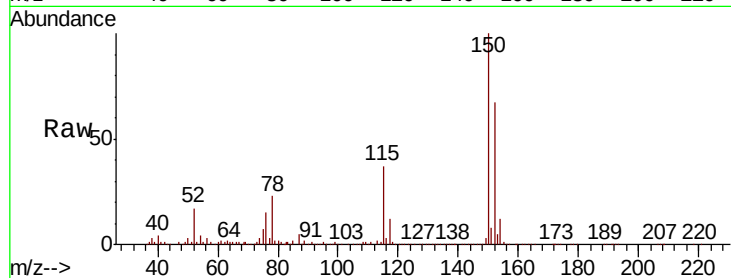
Tot Ion:152 Resp: 271776

Ion Ratio Lower Upper

152 100

115 58.6 29.6 88.8

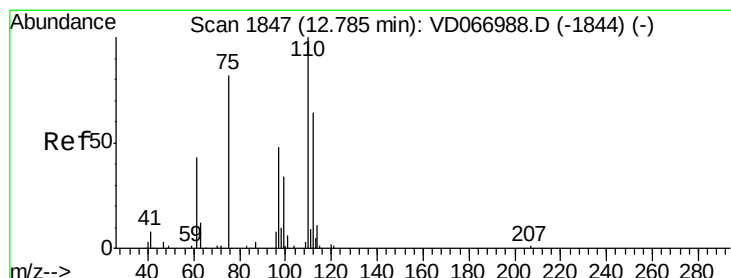
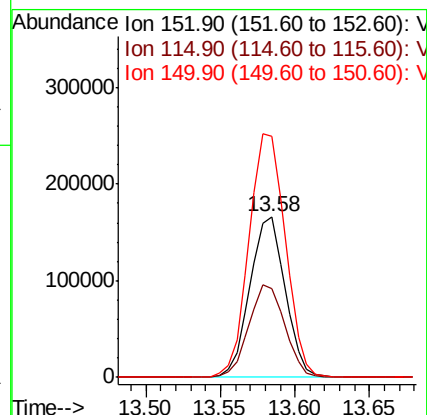
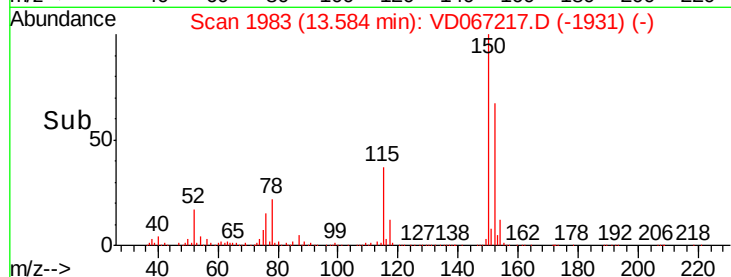
150 156.2 0.0 344.8



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#76

1,2,3-Trichloropropane

Concen: 61.164 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067217.D

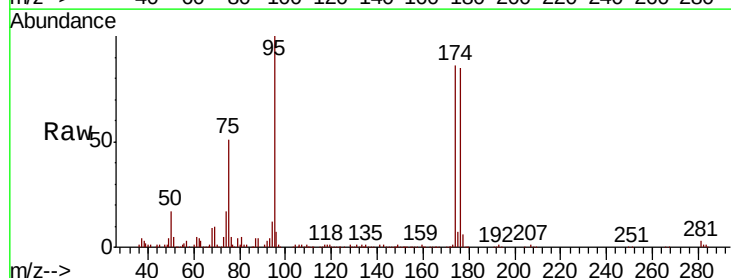
Acq: 09 Oct 2020 17:45

Tgt Ion: 75 Resp: 144790

Ion Ratio Lower Upper

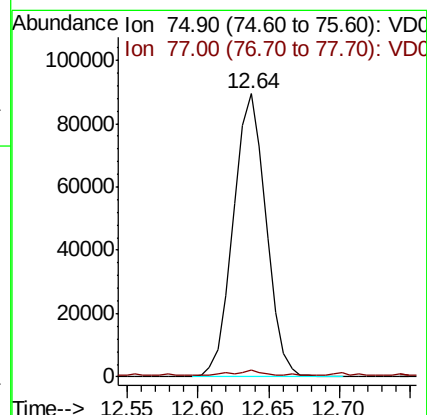
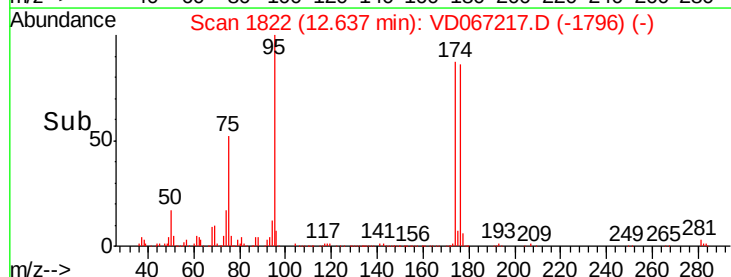
75 100

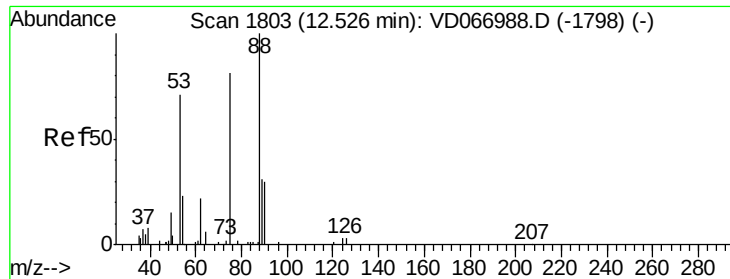
77 1.7 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V

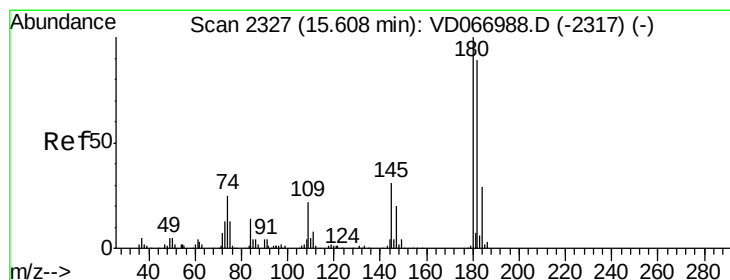
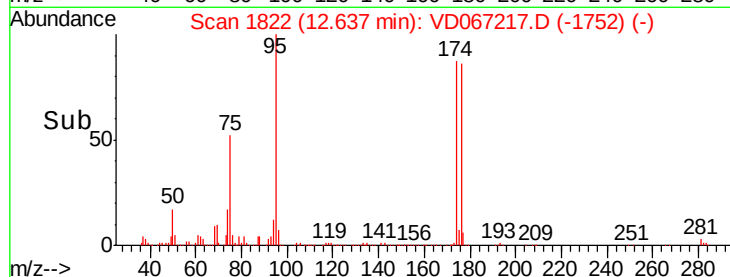
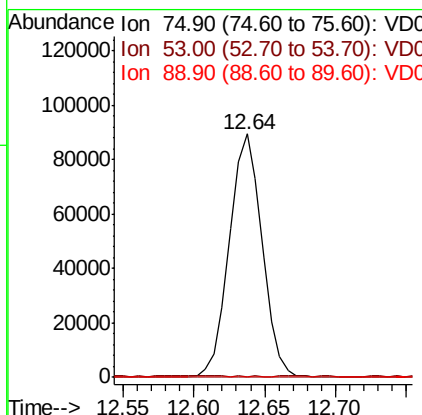
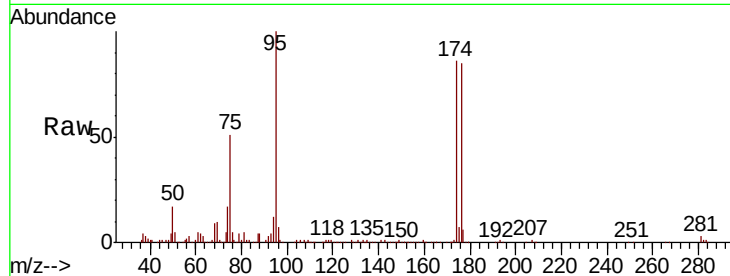




#81
trans-1,4-Dichloro-2-butene
Concen: 152.489 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.11 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Instrument :
MSVOA_D
ClientSampleId :
11991

Tot Ion: 75 Resp: 144790
Ion Ratio Lower Upper
75 100
53 0.0 73.8 110.6#
89 0.0 38.9 58.3#



#96
1,2,3-Trichlorobenzene
Concen: 1.258 ug/l
RT: 15.63 min Scan# 2331
Delta R.T. 0.02 min
Lab File: VD067217.D
Acq: 09 Oct 2020 17:45

Tgt Ion:180 Resp: 5354
Ion Ratio Lower Upper
180 100
182 7.8 46.4 139.1#
145 8.6 16.6 49.7#

