

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101220\
 Data File : VD067239.D
 Acq On : 12 Oct 2020 18:10
 Operator : VA/SY
 Sample : L4370-01
 Misc : 5.01G/5.00ml/MSVOA D/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 343

Quant Time: Oct 13 00:17:51 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	327801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	535135	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	509554	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	244412	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	168097	53.24	ug/l	0.00
Spiked Amount			Recovery	=	106.48%	
35) Dibromofluoromethane	7.92	113	175215	50.01	ug/l	0.00
Spiked Amount			Recovery	=	100.02%	
50) Toluene-d8	10.34	98	629852	49.34	ug/l	0.00
Spiked Amount			Recovery	=	98.68%	
62) 4-Bromofluorobenzene	12.64	95	217101	50.10	ug/l	0.00
Spiked Amount			Recovery	=	100.20%	

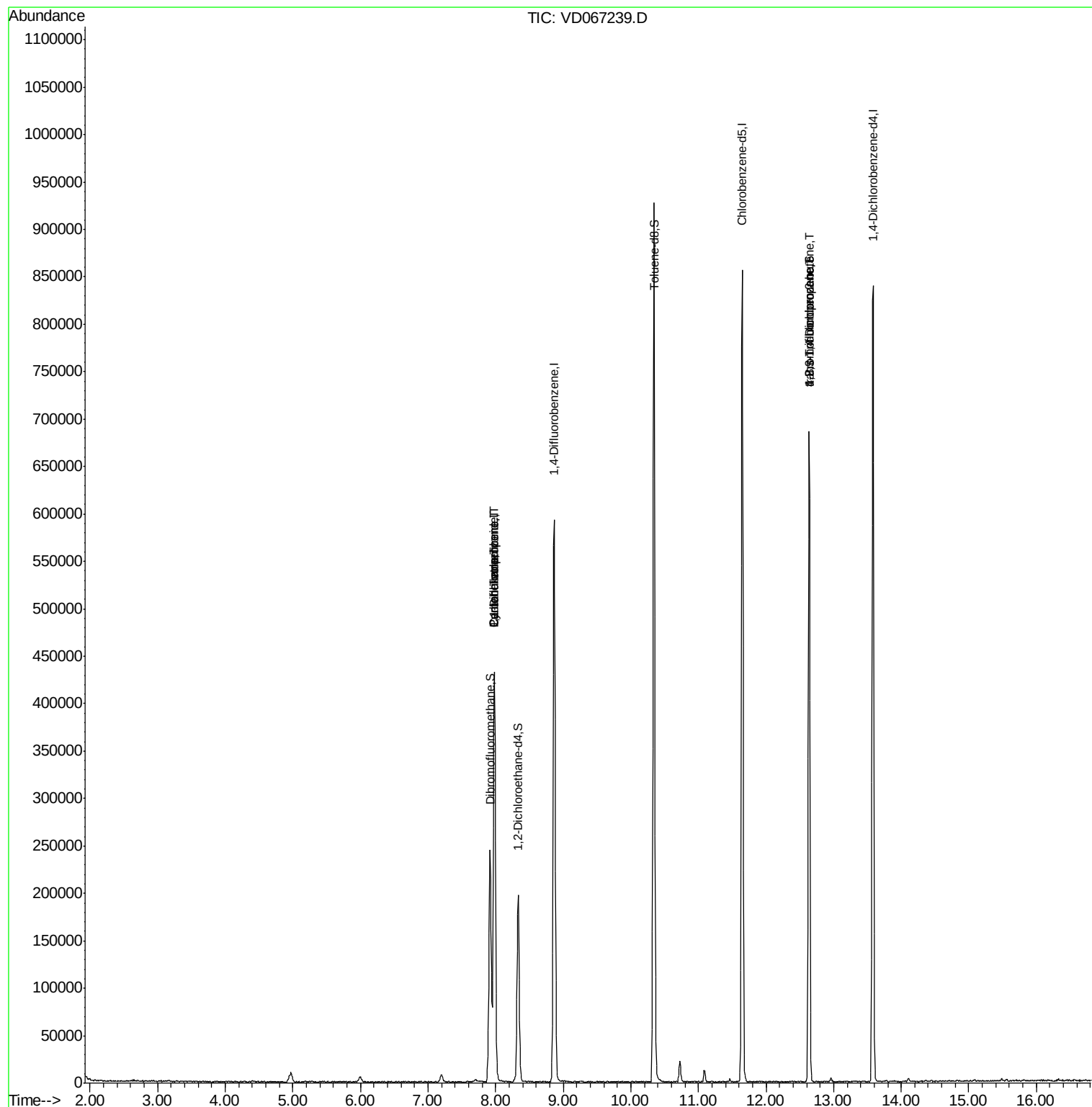
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	2.00	85	289	Below Cal	#	40
5) Bromomethane	2.79	94	159	Below Cal	#	3
11) Tert butyl alcohol	5.23	59	76	Below Cal	#	72
20) Methylene Chloride	4.97	84	8630	Below Cal		93
26) 2,2-Dichloropropane	7.20	77	621	Below Cal	#	53
31) Cyclohexane	7.98	56	6271	1.323	ug/l #	18
36) 1,1-Dichloropropene	7.98	75	25086	5.029	ug/l #	49
38) Carbon Tetrachloride	7.98	117	34398	6.374	ug/l #	15
76) 1,2,3-Trichloropropane	12.64	75	110845	52.067	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	110845	129.809	ug/l #	12

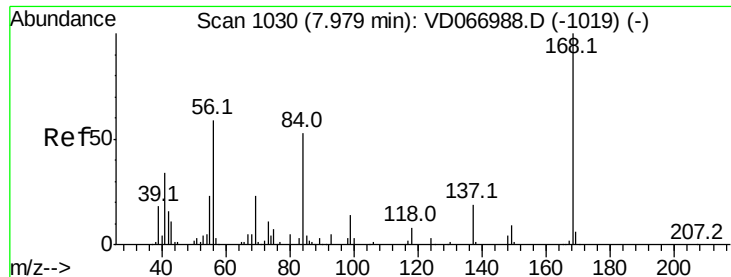
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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# 1030

Delta R.T. 0.00 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

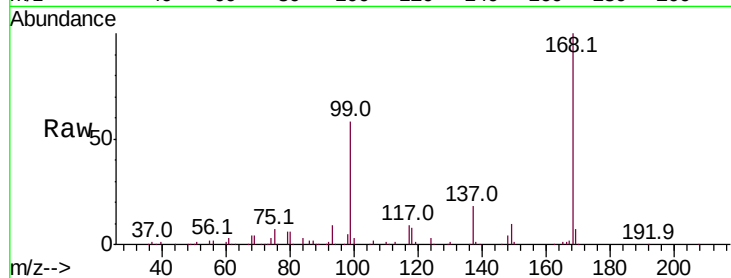
343

Tot Ion:168 Resp: 327801

Ion Ratio Lower Upper

168 100

99 57.5 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

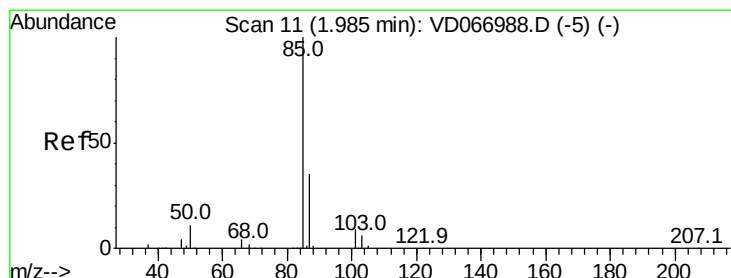
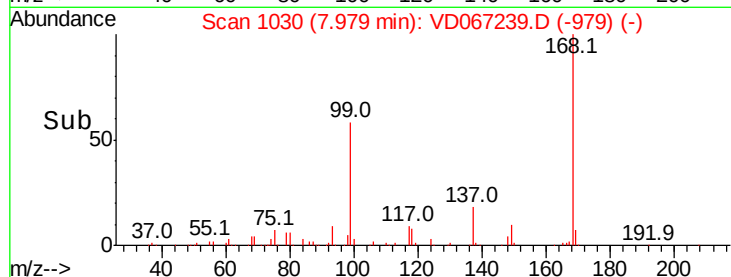
150000

100000

50000

0

Time--> 7.85 7.90 7.95 8.00 8.05



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 2.00 min Scan# 13

Delta R.T. 0.01 min

Lab File: VD067239.D

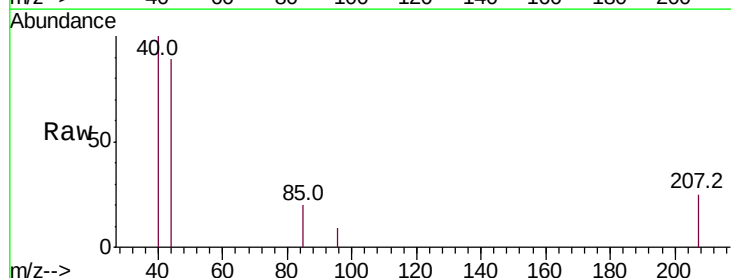
Acq: 12 Oct 2020 18:10

Tgt Ion: 85 Resp: 289

Ion Ratio Lower Upper

85 100

87 0.0 17.3 52.0#



Abundance Ion 84.90 (84.60 to 85.60): V

Ion 86.90 (86.60 to 87.60): V

2.00

400

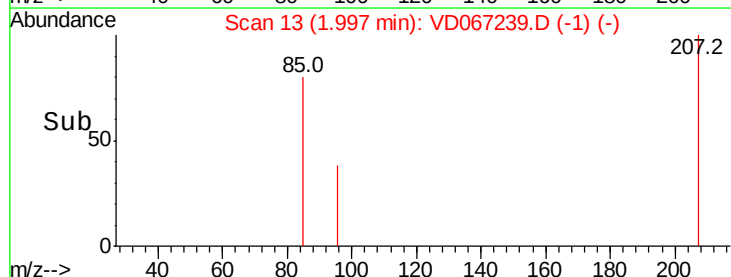
300

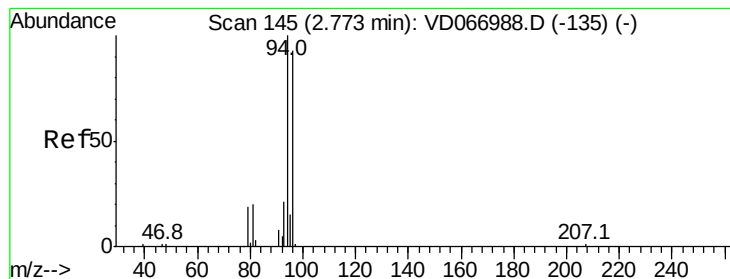
200

100

0

Time--> 1.96 1.98 2.00 2.02





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

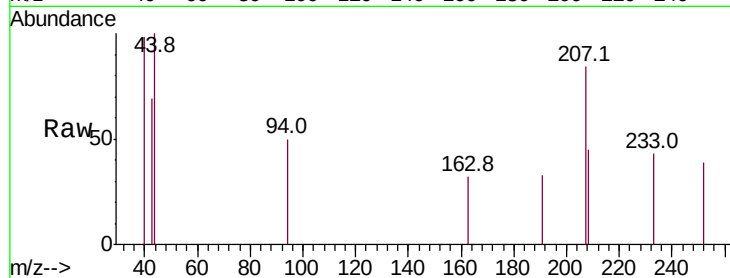
343

Tot Ion: 94 Resp: 159

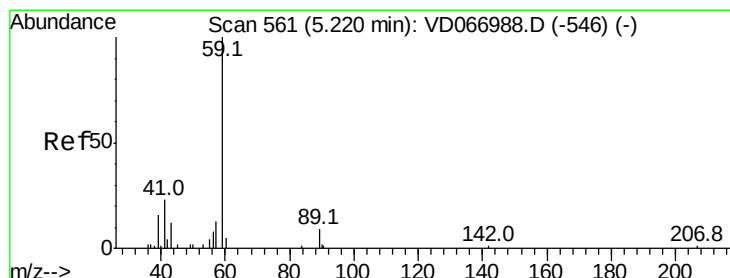
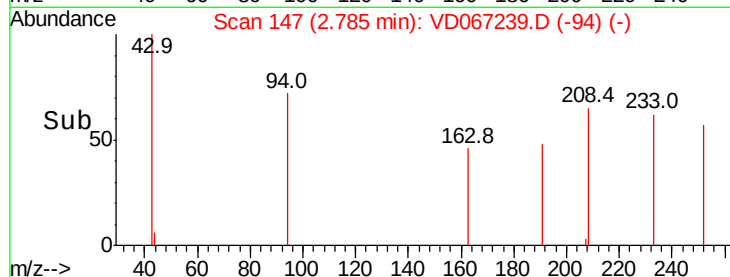
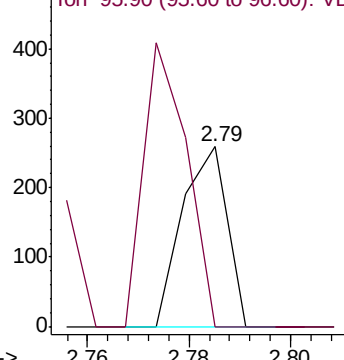
Ion Ratio Lower Upper

94 100

96 0.0 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VDC



#11

Tert butyl alcohol

Concen: Below Cal

RT: 5.23 min Scan# 563

Delta R.T. 0.01 min

Lab File: VD067239.D

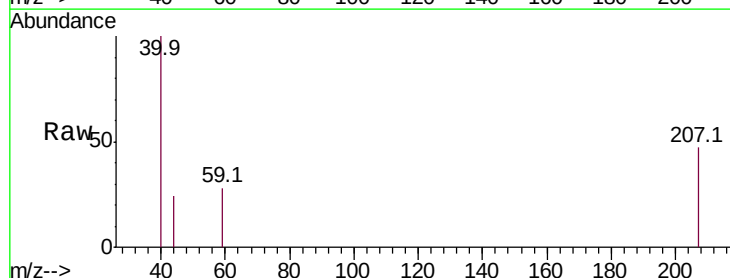
Acq: 12 Oct 2020 18:10

Tgt Ion: 59 Resp: 76

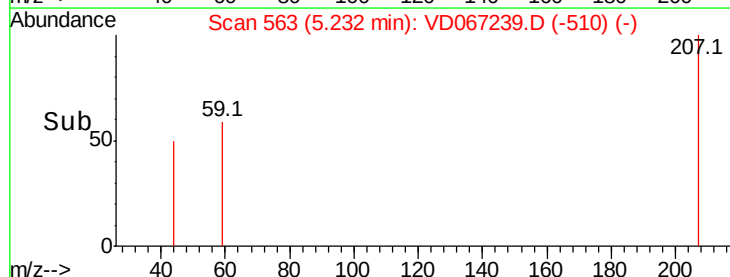
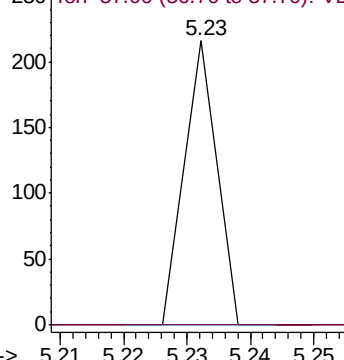
Ion Ratio Lower Upper

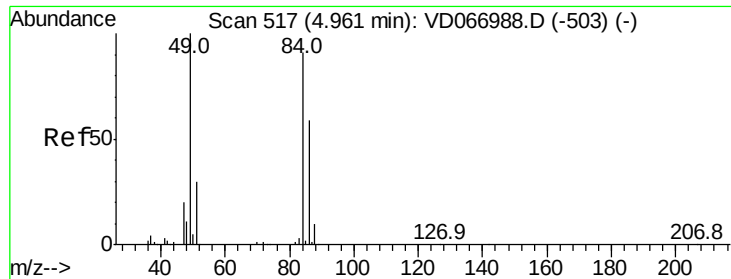
59 100

57 0.0 8.2 12.4#



Abundance Ion 59.00 (58.70 to 59.70): VDC

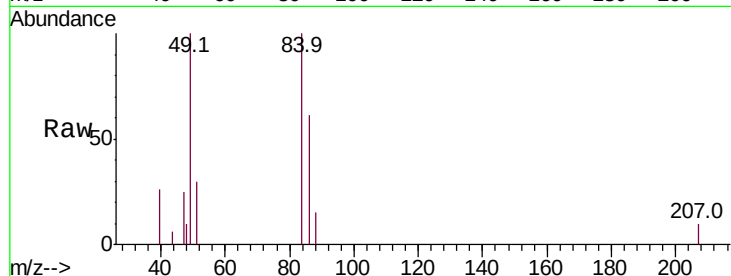




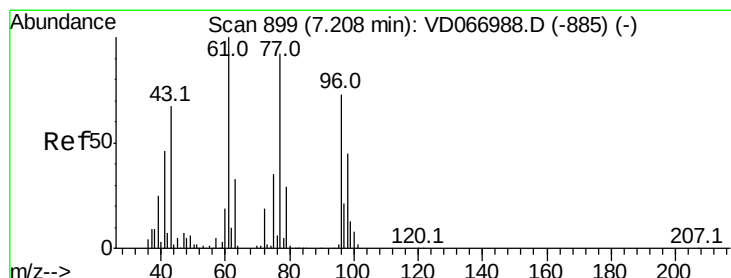
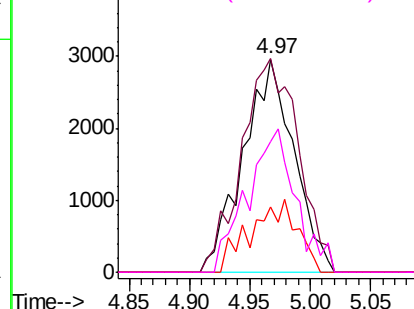
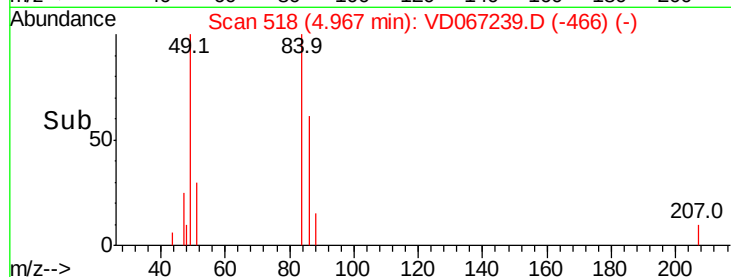
#20
Methylene Chloride
Concen: Below Cal
RT: 4.97 min Scan# 518
Delta R.T. 0.01 min
Lab File: VD067239.D
Acq: 12 Oct 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
343

Tot Ion: 84 Resp: 8630
Ion Ratio Lower Upper
84 100
49 100.5 88.2 132.2
51 30.5 26.6 39.8
86 61.7 52.1 78.1

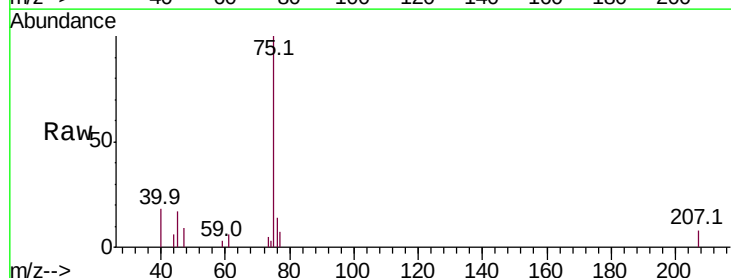


Abundance Ion 83.90 (83.60 to 84.60): VDC
Ion 48.90 (48.60 to 49.60): VDC
Ion 50.90 (50.60 to 51.60): VDC
Ion 85.90 (85.60 to 86.60): VDC

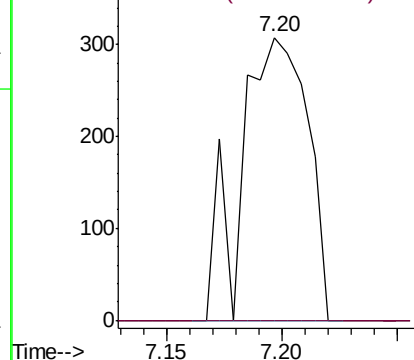
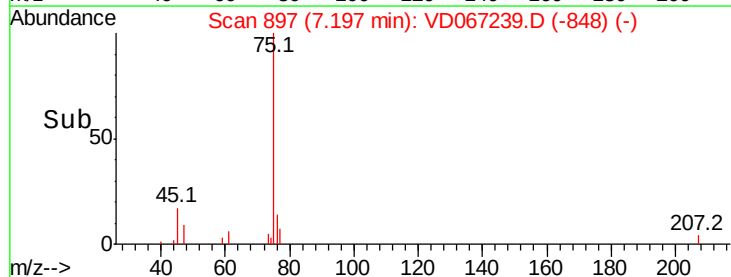


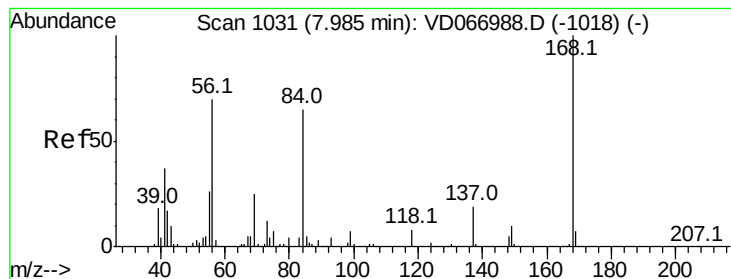
#26
2,2-Dichloropropane
Concen: Below Cal
RT: 7.20 min Scan# 897
Delta R.T. -0.01 min
Lab File: VD067239.D
Acq: 12 Oct 2020 18:10

Tgt Ion: 77 Resp: 621
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: 1.323 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

343

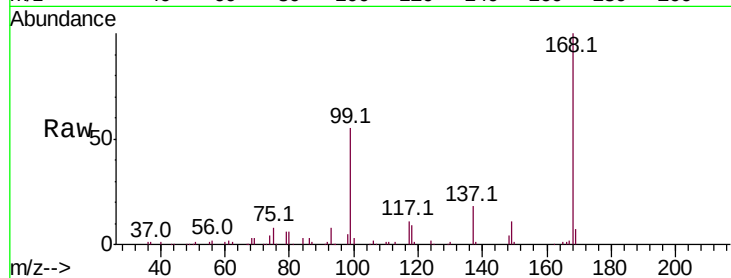
Tot Ion: 56 Resp: 6271

Ion Ratio Lower Upper

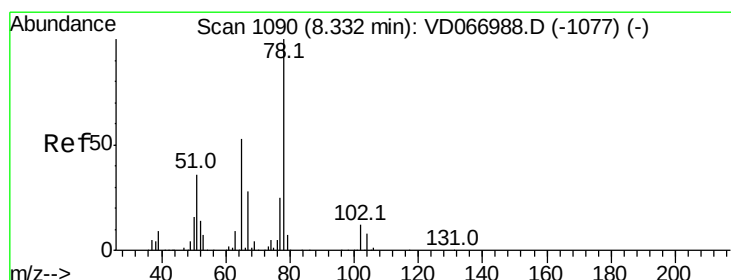
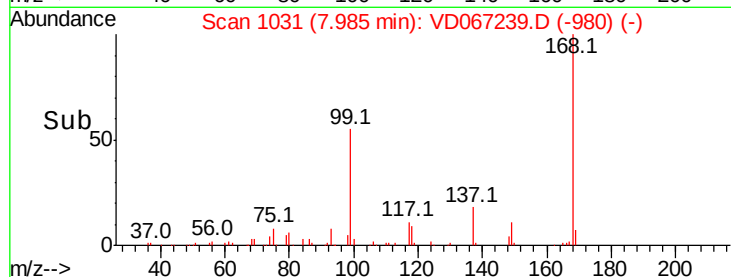
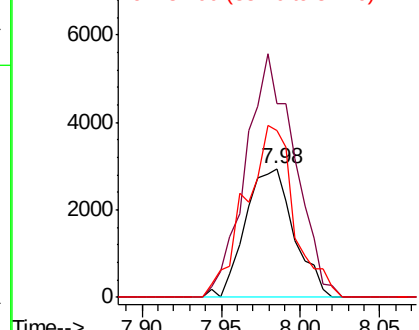
56 100

69 149.8 29.0 43.6#

84 129.7 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: 53.240 ug/l

RT: 8.33 min Scan# 1090

Delta R.T. 0.00 min

Lab File: VD067239.D

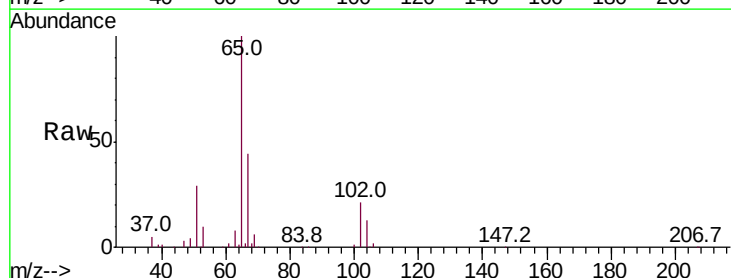
Acq: 12 Oct 2020 18:10

Tgt Ion: 65 Resp: 168097

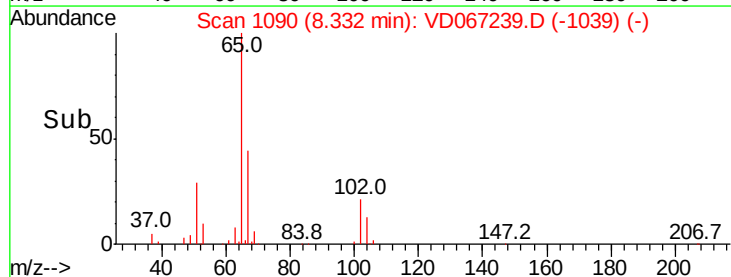
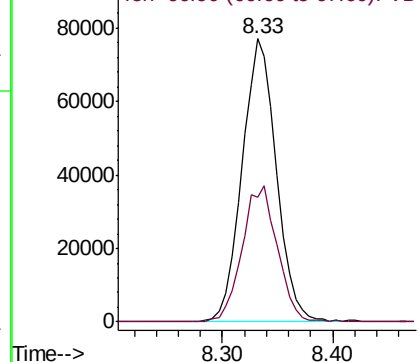
Ion Ratio Lower Upper

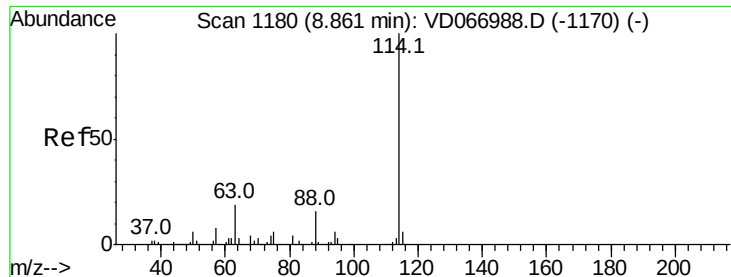
65 100

67 49.5 0.0 106.8



Abundance Ion 64.90 (64.60 to 65.60): VDC
Ion 66.90 (66.60 to 67.60): VDC

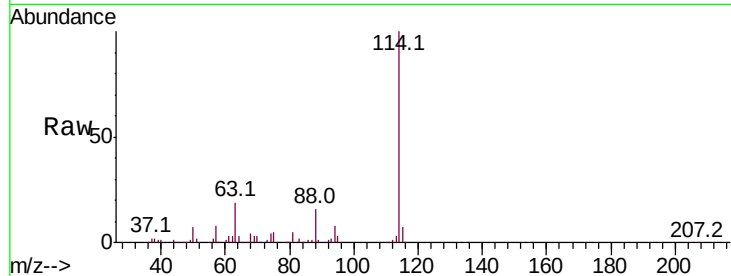




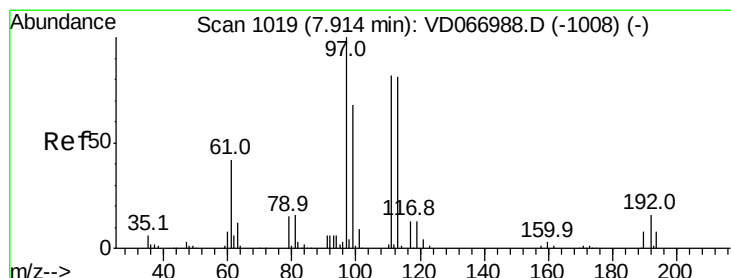
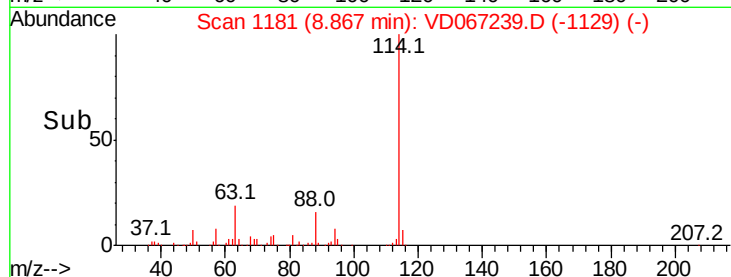
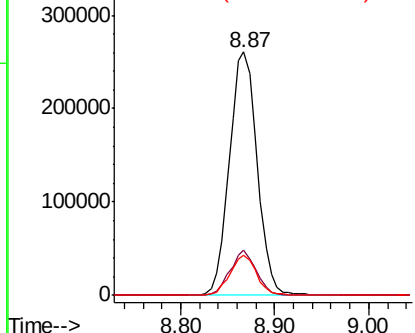
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.87 min Scan# 1181
Delta R.T. 0.01 min
Lab File: VD067239.D
Acq: 12 Oct 2020 18:10

Instrument :
MSVOA_D
ClientSampleId :
343

Tot Ion:114 Resp: 535135
Ion Ratio Lower Upper
114 100
63 18.5 0.0 38.4
88 16.3 0.0 31.2

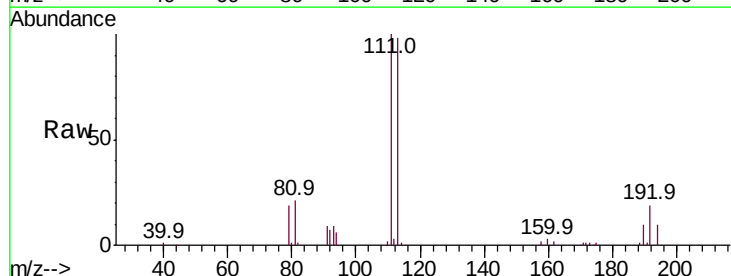


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): V
Ion 87.90 (87.60 to 88.60): V

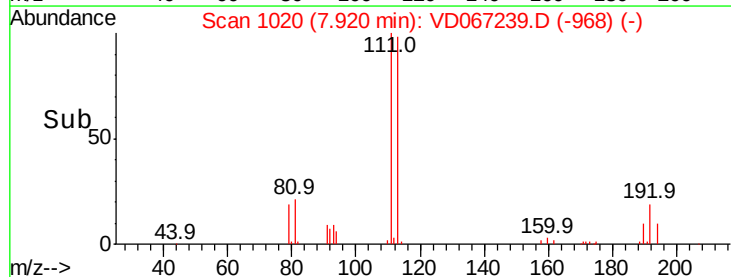
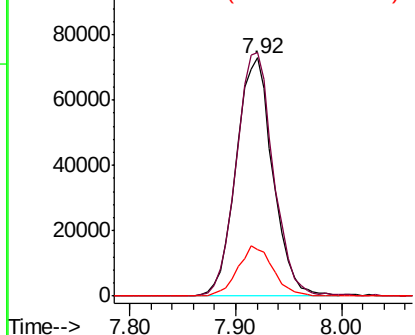


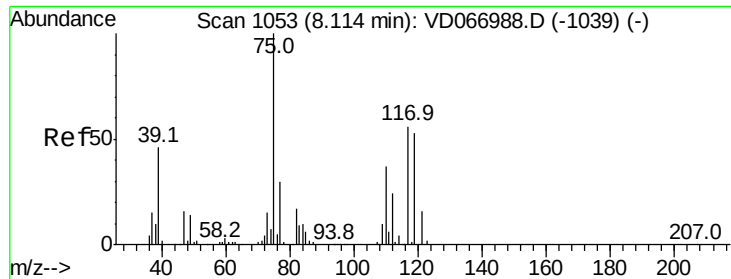
#35
Dibromofluoromethane
Concen: 50.012 ug/l
RT: 7.92 min Scan# 1020
Delta R.T. 0.01 min
Lab File: VD067239.D
Acq: 12 Oct 2020 18:10

Tgt Ion:113 Resp: 175215
Ion Ratio Lower Upper
113 100
111 103.6 83.0 124.4
192 20.3 15.5 23.3



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





#36

1,1-Dichloropropene

Concen: 5.029 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.14 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

343

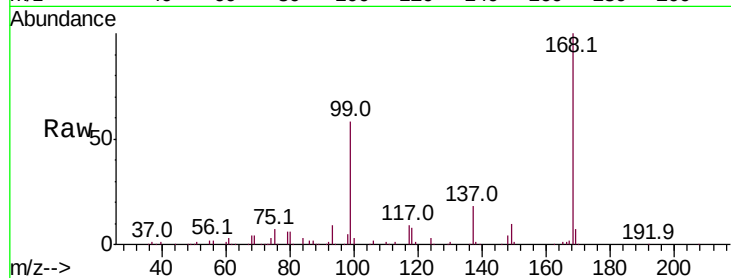
Tot Ion: 75 Resp: 25086

Ion Ratio Lower Upper

75 100

110 9.5 18.4 55.0#

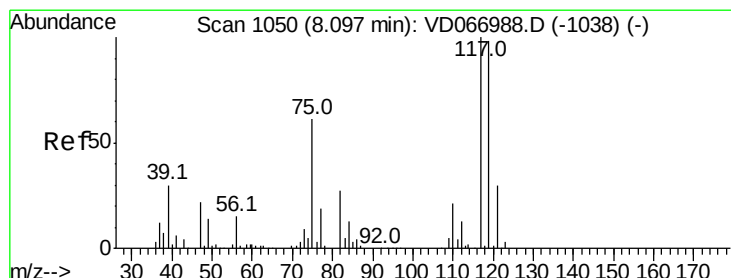
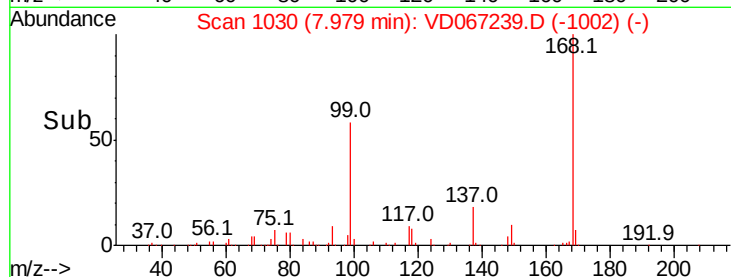
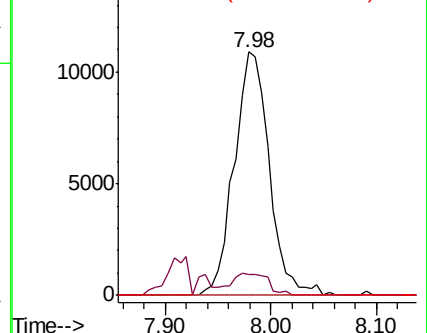
77 0.0 24.8 37.2#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



#38

Carbon Tetrachloride

Concen: 6.374 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

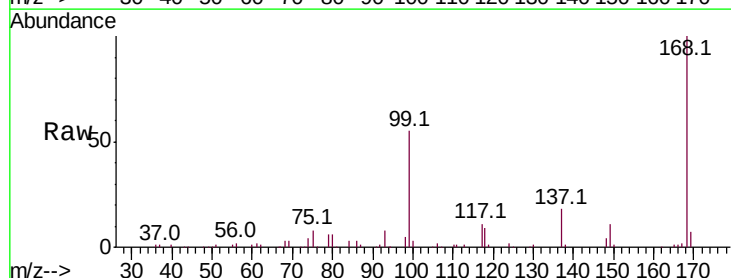
Tgt Ion: 117 Resp: 34398

Ion Ratio Lower Upper

117 100

119 4.7 78.7 118.1#

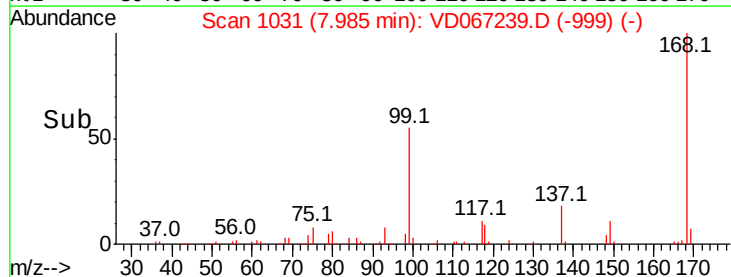
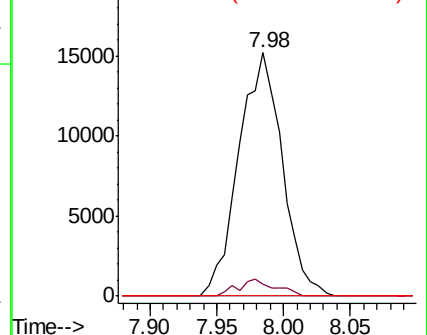
121 0.0 24.2 36.2#

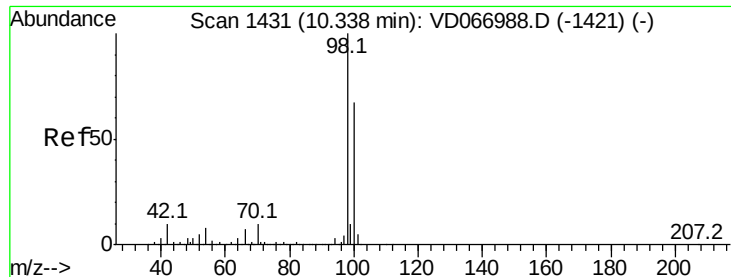


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#50

Toluene-d8

Concen: 49.338 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.01 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

Instrument :

MSVOA_D

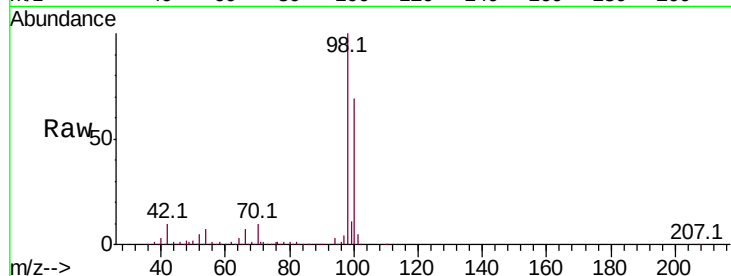
ClientSampleId :
343

Tot Ion: 98 Resp: 629852

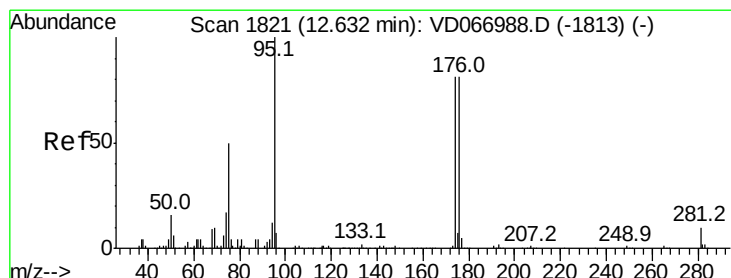
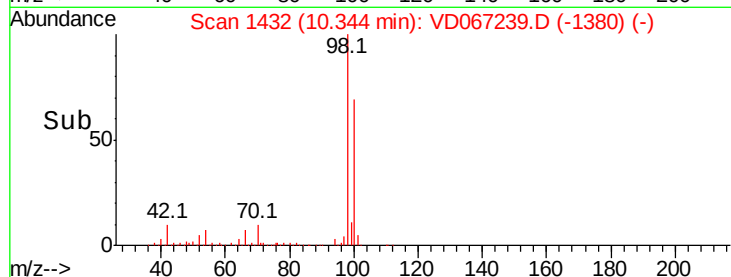
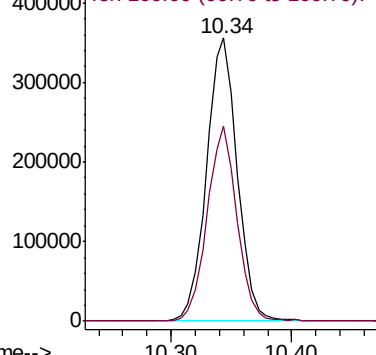
Ion Ratio Lower Upper

98 100

100 67.2 52.8 79.2



Abundance Ion 98.00 (97.70 to 98.70): VDC
Ion 100.00 (99.70 to 100.70): VD



#62

4-Bromofluorobenzene

Concen: 50.095 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.01 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

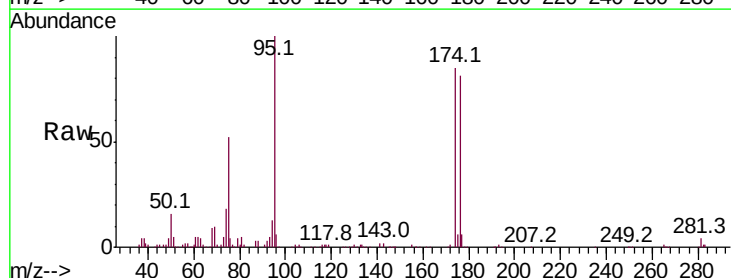
Tgt Ion: 95 Resp: 217101

Ion Ratio Lower Upper

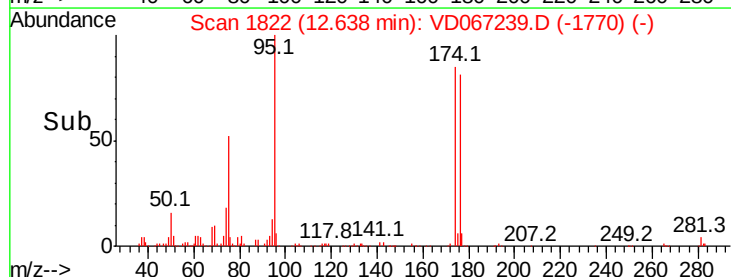
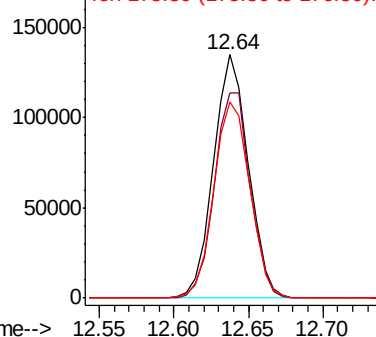
95 100

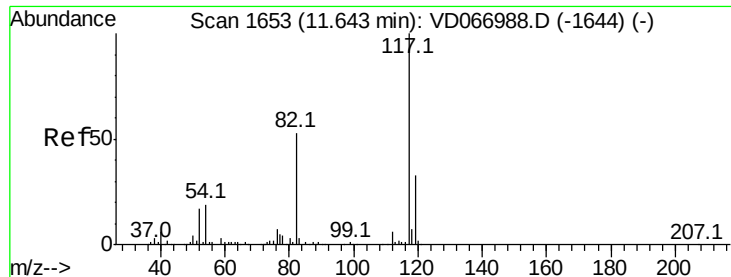
174 86.8 0.0 167.6

176 83.6 0.0 162.4



Abundance Ion 94.90 (94.60 to 95.60): VDC
Ion 173.80 (173.50 to 174.50): V
Ion 175.80 (175.50 to 176.50): V

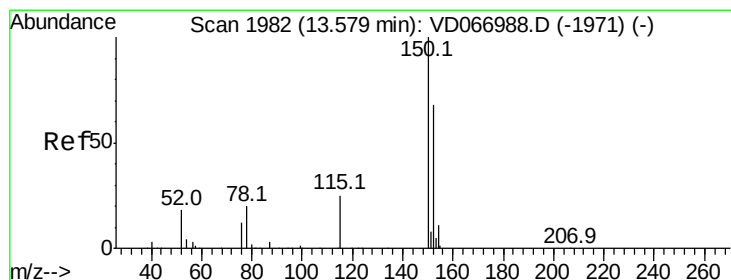
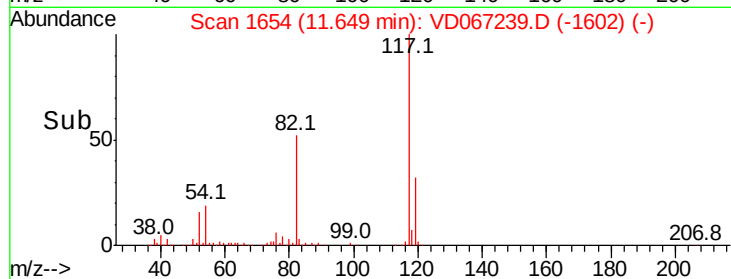
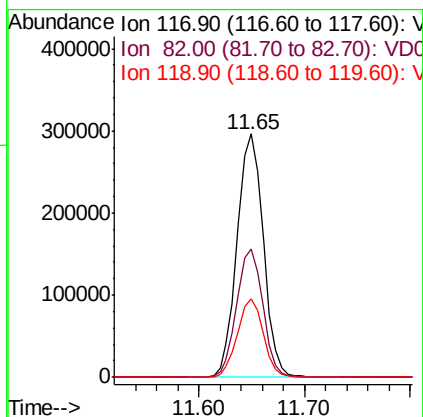
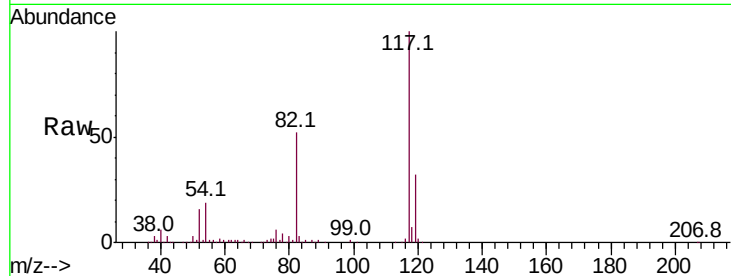




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.01 min
Lab File: VD067239.D
Acq: 12 Oct 2020 18:10

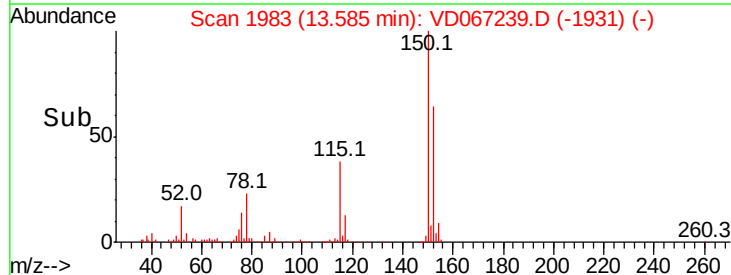
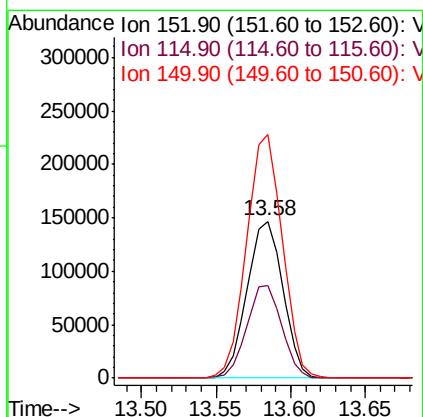
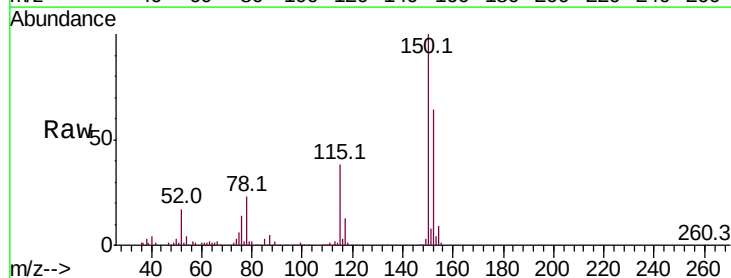
Instrument :
MSVOA_D
ClientSampleId :
343

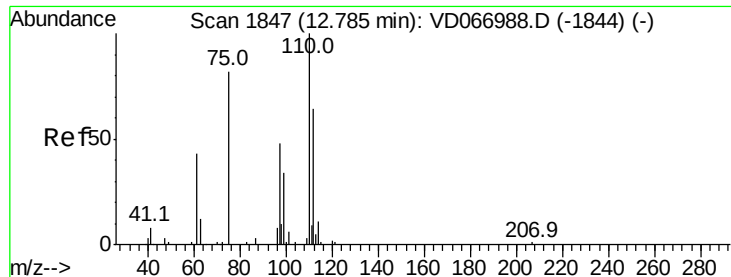
Tot Ion	Ratio	Lower	Upper
117	100		
82	52.5	42.6	63.8
119	32.4	26.3	39.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.01 min
Lab File: VD067239.D
Acq: 12 Oct 2020 18:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.4	29.6	88.8
150	154.4	0.0	344.8





#76

1,2,3-Trichloropropane

Concen: 52.067 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

Instrument :

MSVOA_D

ClientSampleId :

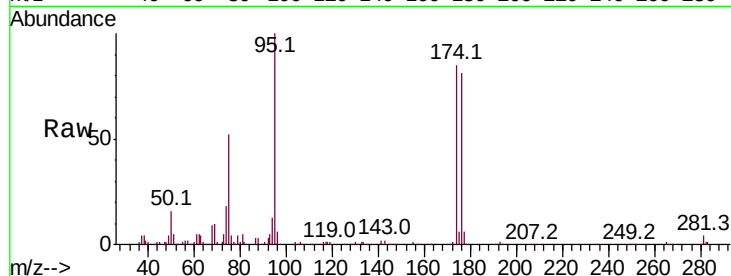
343

Tot Ion: 75 Resp: 110845

Ion Ratio Lower Upper

75 100

77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 77.00 (76.70 to 77.70): VDC

80000

60000

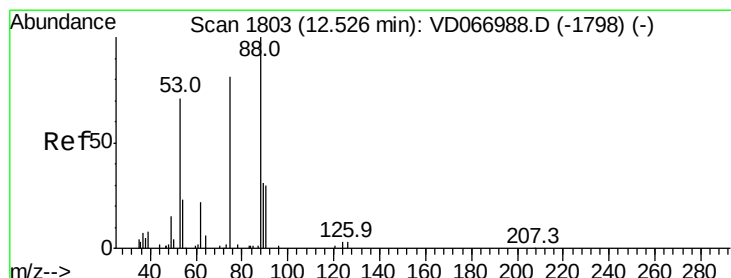
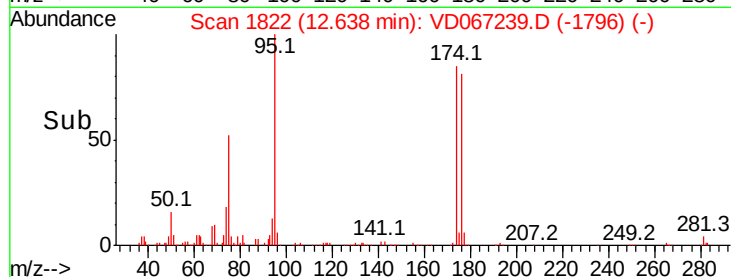
40000

20000

0

12.55 12.60 12.65 12.70

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 129.809 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067239.D

Acq: 12 Oct 2020 18:10

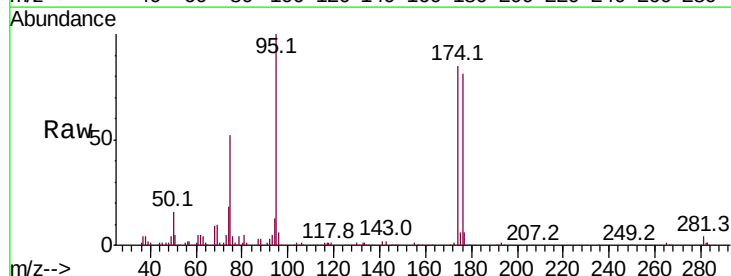
Tgt Ion: 75 Resp: 110845

Ion Ratio Lower Upper

75 100

53 0.1 73.8 110.6#

89 0.0 38.9 58.3#



Abundance Ion 74.90 (74.60 to 75.60): VDC

Ion 53.00 (52.70 to 53.70): VDC

Ion 88.90 (88.60 to 89.60): VDC

80000

60000

40000

20000

0

12.55 12.60 12.65 12.70

Time-->

