

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD110220\
 Data File : VD067490.D
 Acq On : 02 Nov 2020 14:37
 Operator : VA/SY
 Sample : L4540-01
 Misc : 6.30G/5.00ml/MSVOA D/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 341

Quant Time: Nov 03 00:29:02 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	314226	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	510611	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	505045	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	254815	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	161205	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
35) Dibromofluoromethane	7.92	113	162168	47.72	ug/l	0.00
Spiked Amount			Recovery	=	95.44%	
50) Toluene-d8	10.34	98	602091	48.96	ug/l	0.00
Spiked Amount			Recovery	=	97.92%	
62) 4-Bromofluorobenzene	12.64	95	220710	51.61	ug/l	0.00
Spiked Amount			Recovery	=	103.22%	

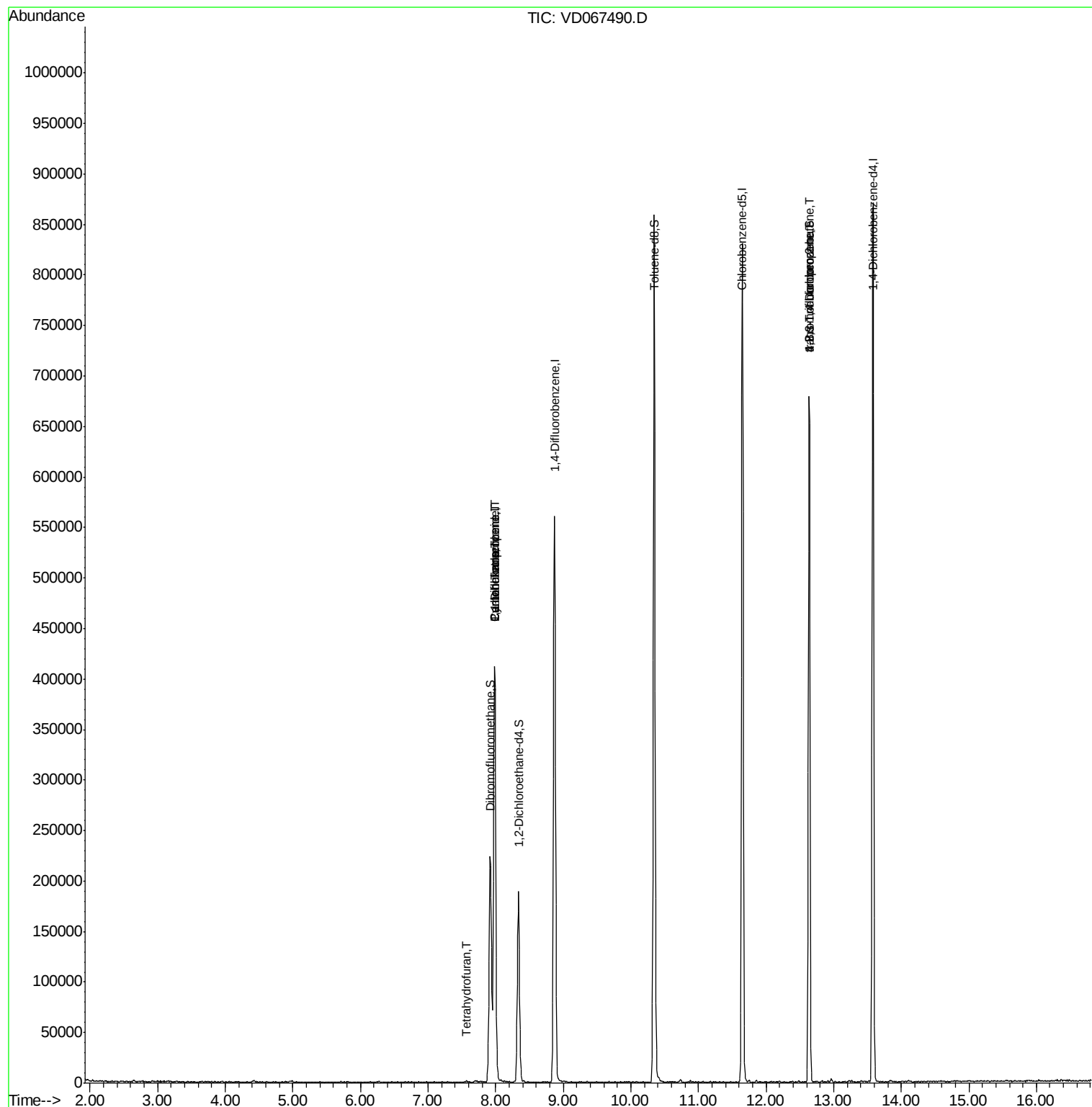
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	329	Below Cal	#	44
5) Bromomethane	2.79	94	266	Below Cal	#	3
20) Methylene Chloride	4.98	84	857	Below Cal	#	74
29) Tetrahydrofuran	7.57	42	877	3.139	ug/l #	67
31) Cyclohexane	7.98	56	6378	1.759	ug/l #	9
36) 1,1-Dichloropropene	7.98	75	22403	5.177	ug/l #	50
38) Carbon Tetrachloride	7.98	117	32366	5.851	ug/l #	18
76) 1,2,3-Trichloropropane	12.64	75	112349	63.614	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	112349	144.257	ug/l #	10

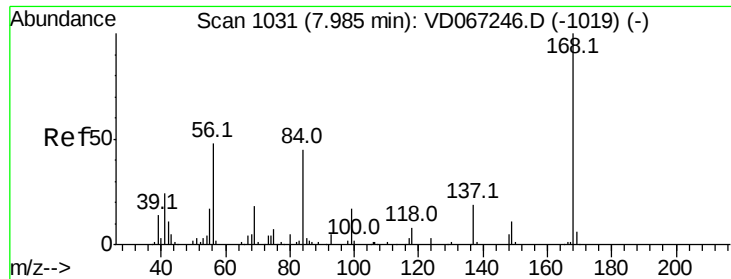
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD110220\
Data File : VD067490.D
Acq On : 02 Nov 2020 14:37
Operator : VA/SY
Sample : L4540-01
Misc : 6.30G/5.00ml/MSVOA D/SOIL
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_D
ClientSampleId :
341

Quant Time: Nov 03 00:29:02 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Mon Oct 19 19:13:29 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

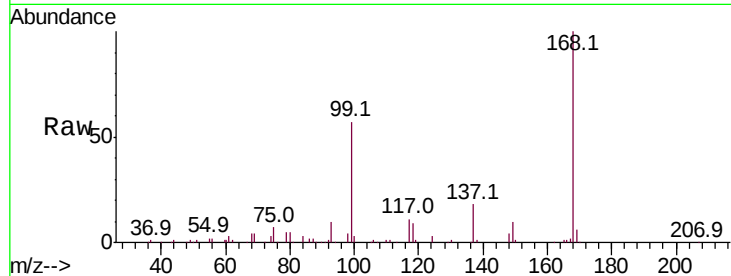
Instrument :
MSVOA_D
ClientSampleId :
341

Tot Ion:168 Resp: 314226

Ion Ratio Lower Upper

168 100

99 57.0 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

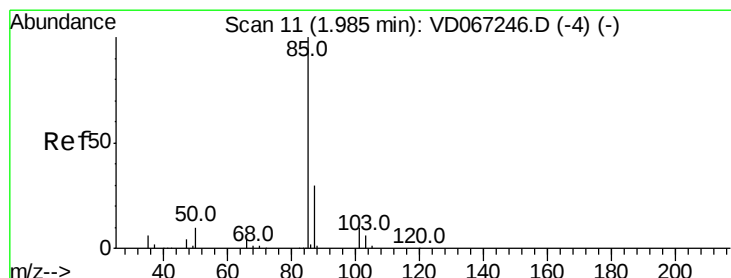
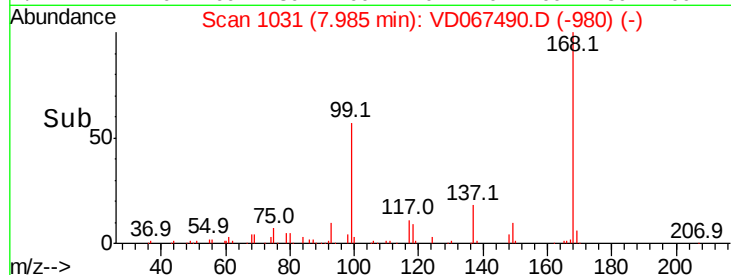
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 11

Delta R.T. 0.00 min

Lab File: VD067490.D

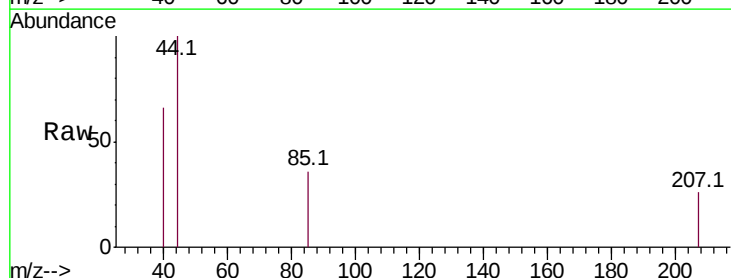
Acq: 02 Nov 2020 14:37

Tgt Ion: 85 Resp: 329

Ion Ratio Lower Upper

85 100

87 0.0 15.2 45.6#



Abundance Ion 84.90 (84.60 to 85.60): VDC

Ion 86.90 (86.60 to 87.60): VDC

1.99

500

400

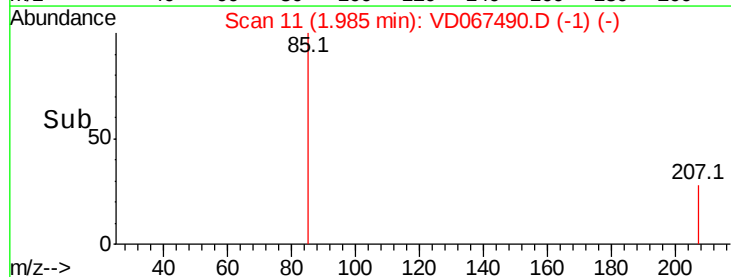
300

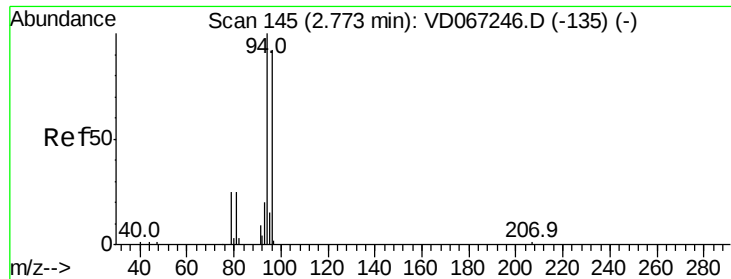
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

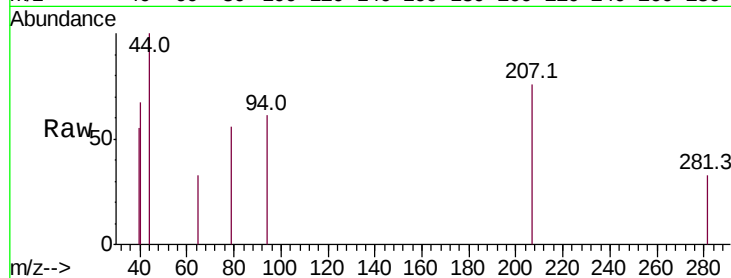
341

Tot Ion: 94 Resp: 266

Ion Ratio Lower Upper

94 100

96 0.0 73.8 110.6#



Abundance Ion 93.90 (93.60 to 94.60): VDC

Ion 95.90 (95.60 to 96.60): VDC

2.79

300

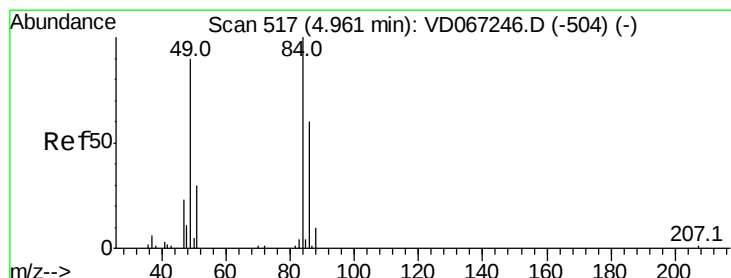
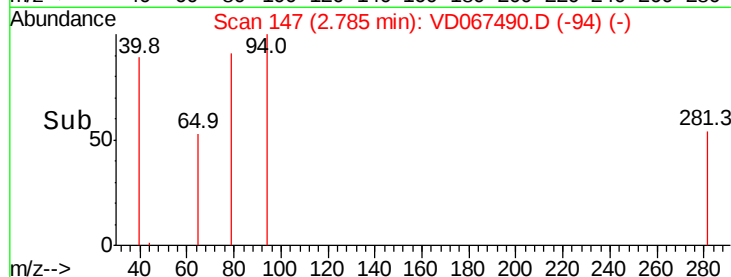
200

100

0

2.76 2.78 2.80

Time-->



#20

Methylene Chloride

Concen: Below Cal

RT: 4.98 min Scan# 520

Delta R.T. 0.02 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Tgt Ion: 84 Resp: 857

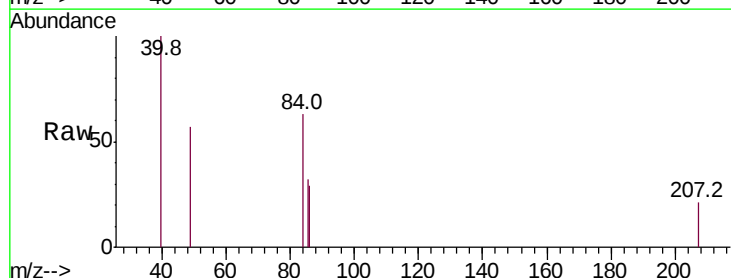
Ion Ratio Lower Upper

84 100

49 90.9 72.2 108.2

51 0.0 23.8 35.8#

86 97.2 48.2 72.4#



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

1000

800

600

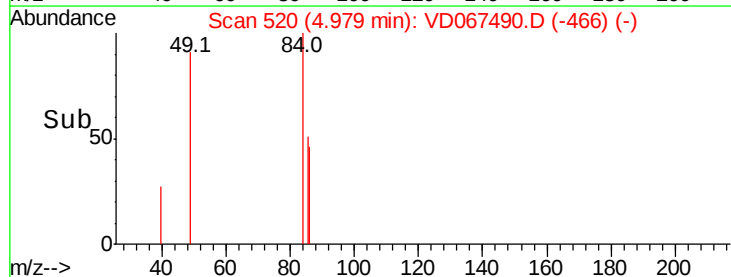
400

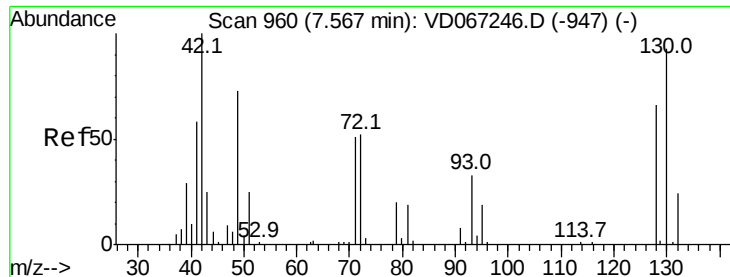
200

0

4.92 4.94 4.96 4.98 5.00

Time-->





#29

Tetrahydrofuran

Concen: 3.139 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleID :

341

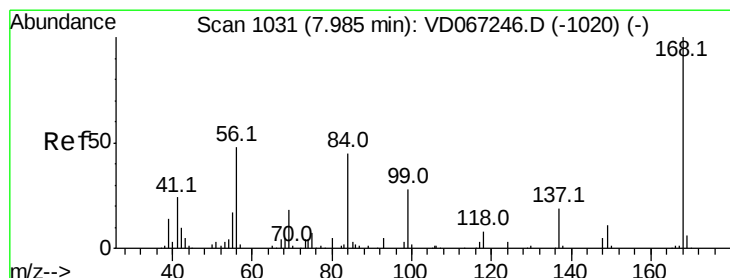
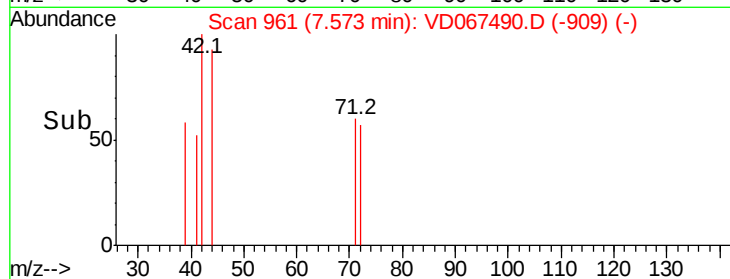
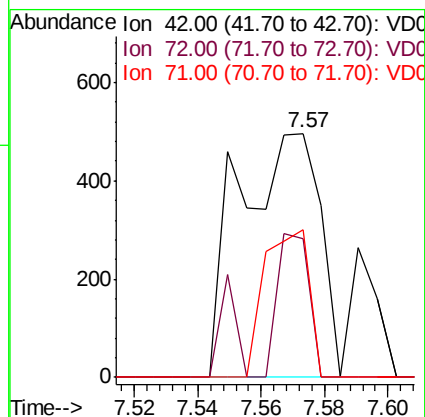
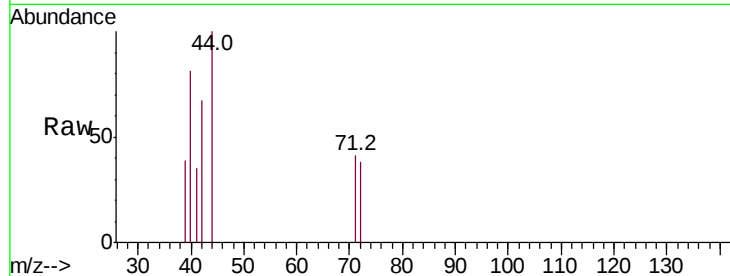
Tot Ion: 42 Resp: 877

Ion Ratio Lower Upper

42 100

72 23.1 43.2 64.8#

71 33.5 39.4 59.0#



#31

Cyclohexane

Concen: 1.759 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

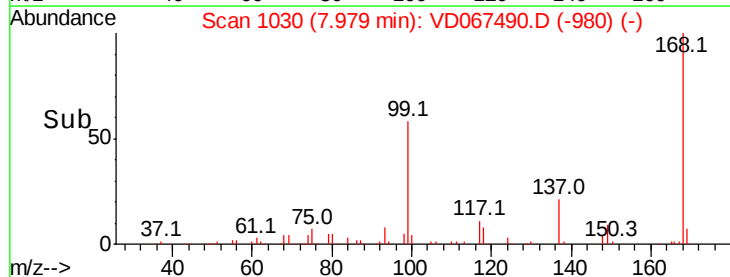
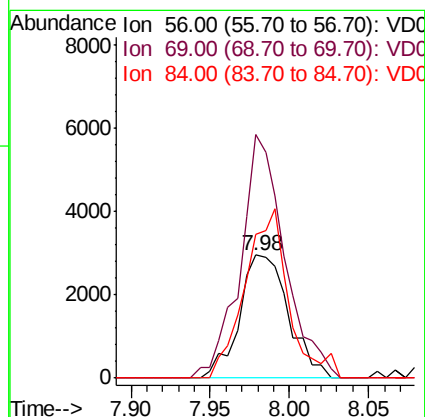
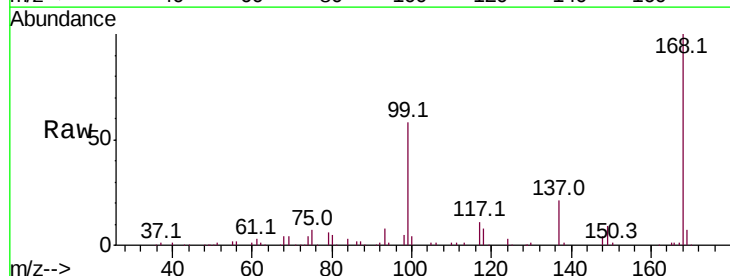
Tgt Ion: 56 Resp: 6378

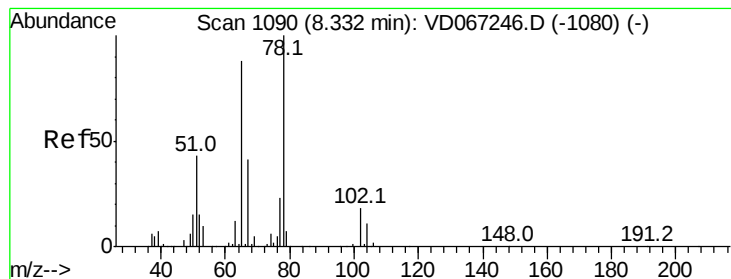
Ion Ratio Lower Upper

56 100

69 197.8 29.8 44.6#

84 117.3 76.6 114.8#





#33

1,2-Dichloroethane-d4

Concen: 51.207 ug/l

RT: 8.34 min Scan# 1091

Delta R.T. 0.01 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_D

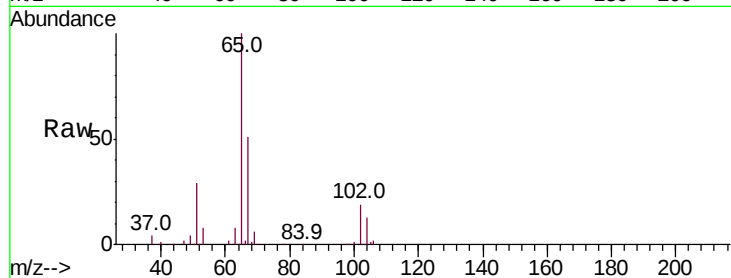
ClientSampleId :
341

Tot Ion: 65 Resp: 161205

Ion Ratio Lower Upper

65 100

67 48.8 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VDC

Ion 66.90 (66.60 to 67.60): VDC

8.34

80000

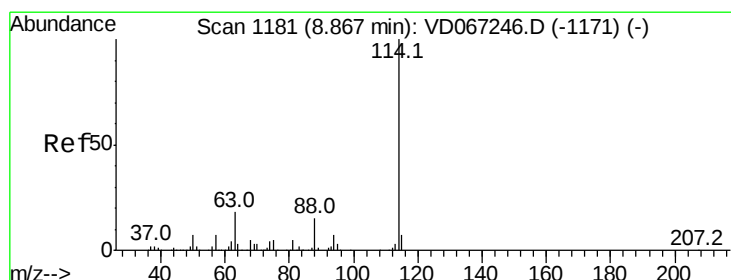
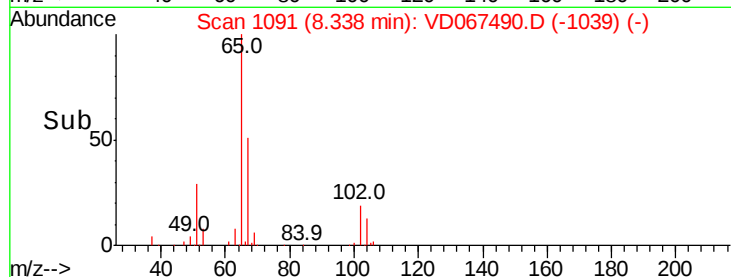
60000

40000

20000

0

Time--> 8.30 8.40



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.87 min Scan# 1182

Delta R.T. 0.01 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

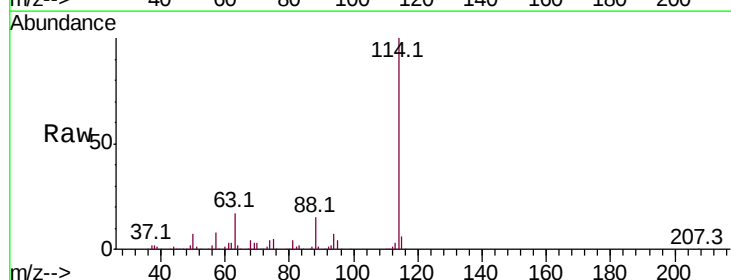
Tgt Ion: 114 Resp: 510611

Ion Ratio Lower Upper

114 100

63 17.3 0.0 35.0

88 15.1 0.0 30.6



Abundance Ion 113.90 (113.60 to 114.60): VDC

Ion 63.00 (62.70 to 63.70): VDC

Ion 87.90 (87.60 to 88.60): VDC

8.87

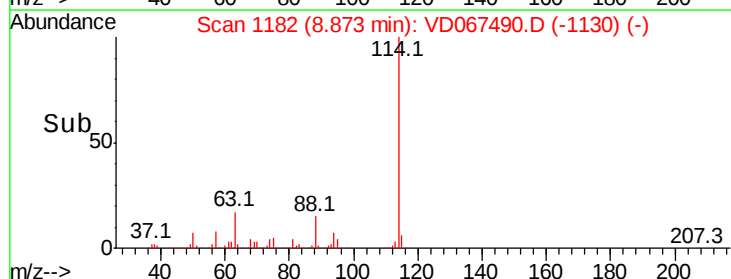
300000

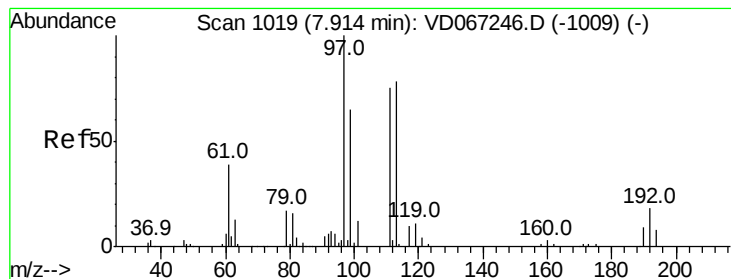
200000

100000

0

Time--> 8.75 8.80 8.85 8.90 8.95





#35

Dibromofluoromethane

Concen: 47.723 ug/l

RT: 7.92 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

341

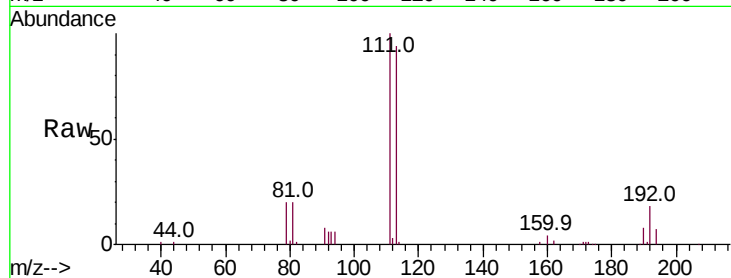
Tot Ion:113 Resp: 162168

Ion Ratio Lower Upper

113 100

111 105.7 81.6 122.4

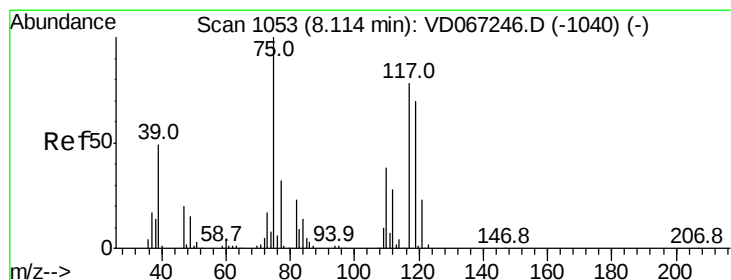
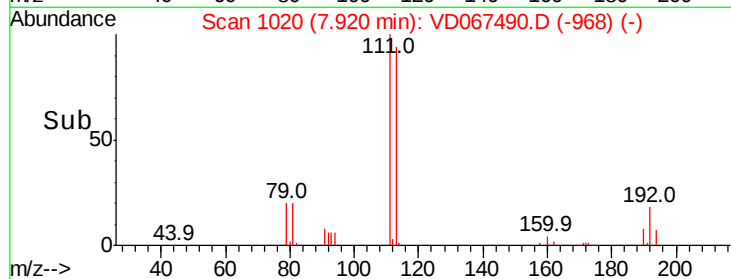
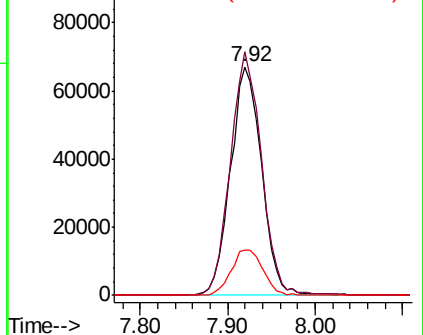
192 20.2 17.0 25.4



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: 5.177 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.13 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

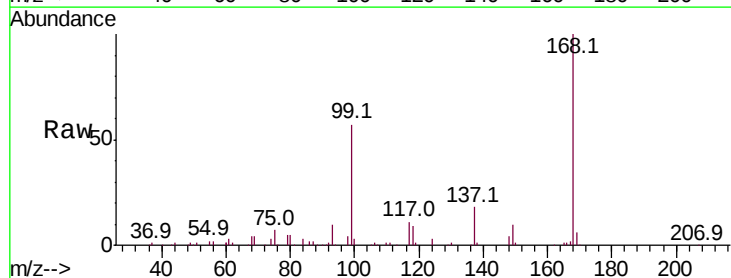
Tgt Ion: 75 Resp: 22403

Ion Ratio Lower Upper

75 100

110 11.8 19.6 58.7#

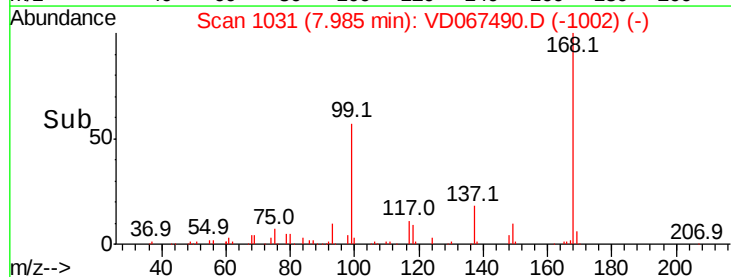
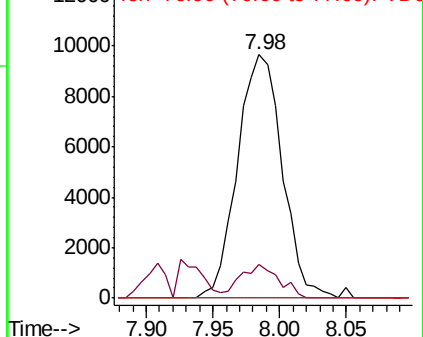
77 0.0 24.6 37.0#

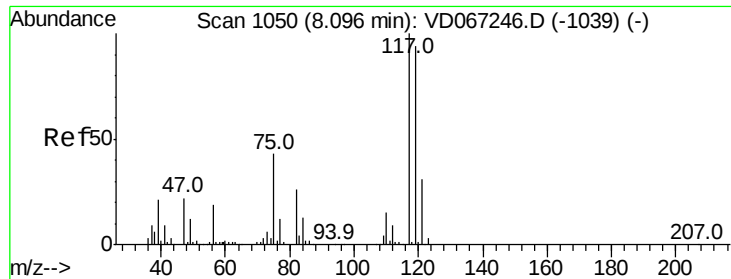


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

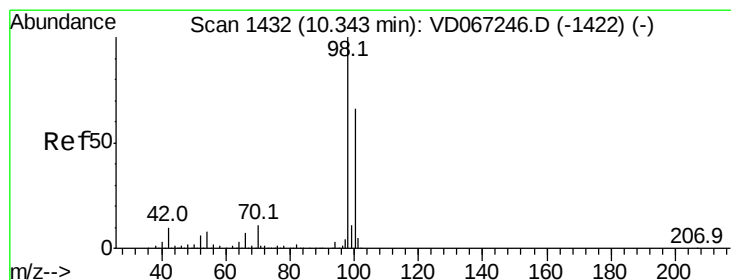
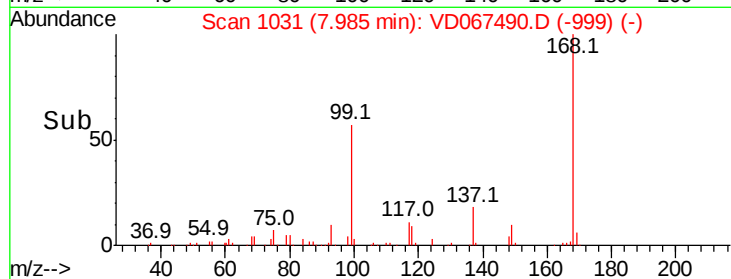
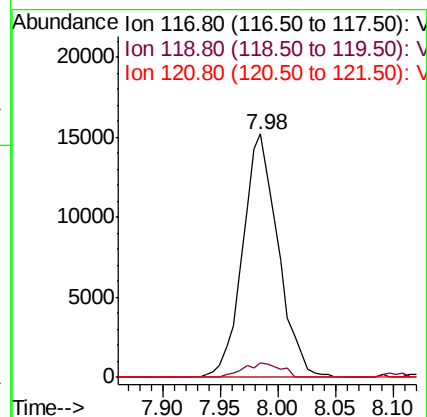
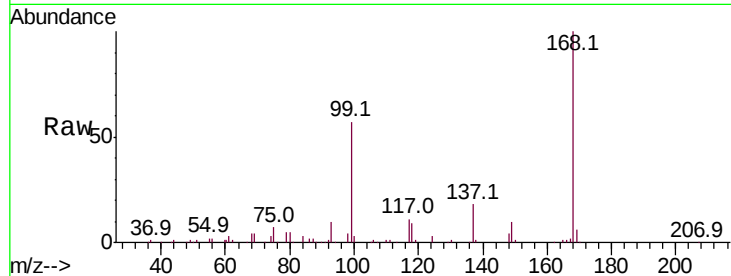




#38
Carbon Tetrachloride
Concen: 5.851 ug/l
RT: 7.98 min Scan# 1031
Delta R.T. -0.11 min
Lab File: VD067490.D
Acq: 02 Nov 2020 14:37

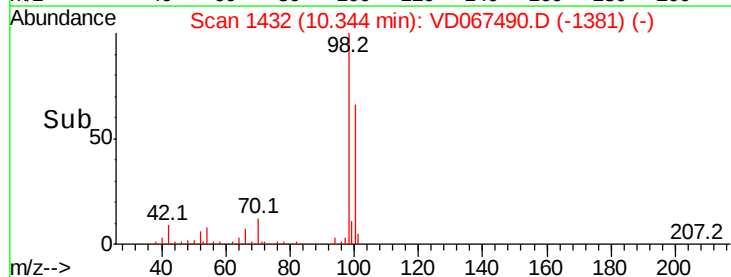
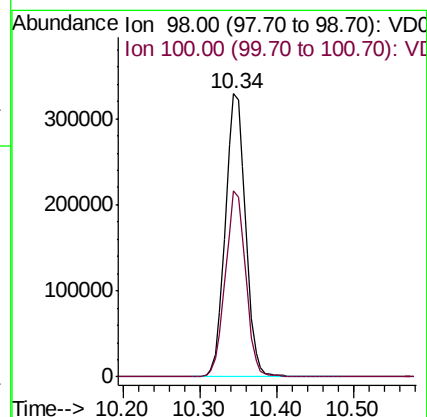
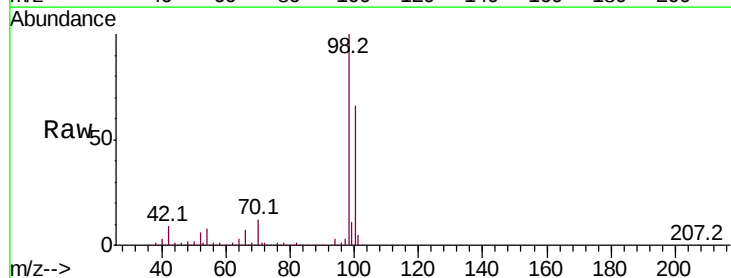
Instrument :
MSVOA_D
ClientSampleId :
341

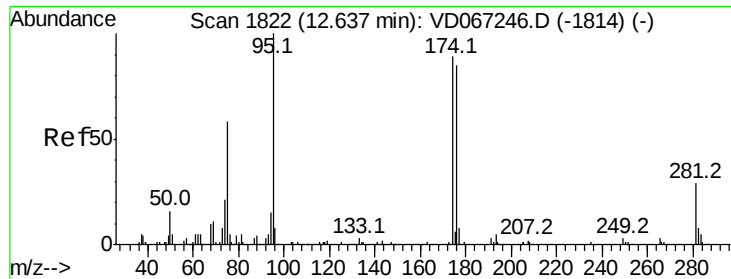
Tot Ion:117 Resp: 32366
Ion Ratio Lower Upper
117 100
119 5.9 75.0 112.4#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 48.960 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.00 min
Lab File: VD067490.D
Acq: 02 Nov 2020 14:37

Tgt Ion: 98 Resp: 602091
Ion Ratio Lower Upper
98 100
100 66.2 53.1 79.7

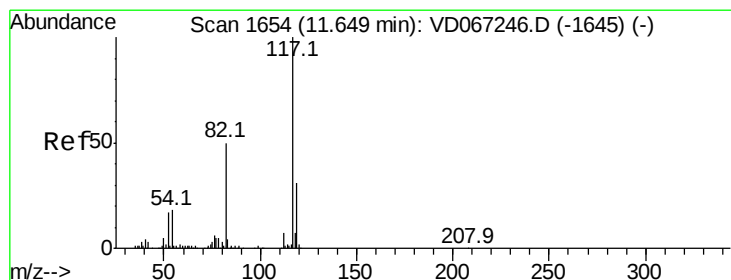
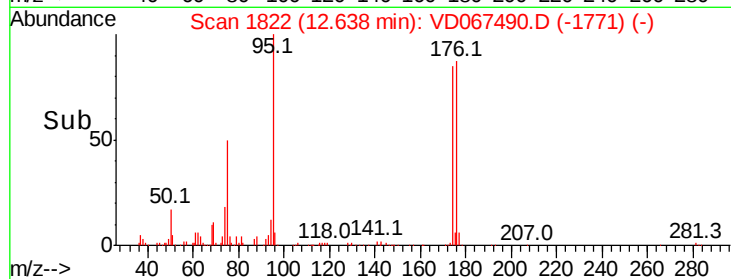
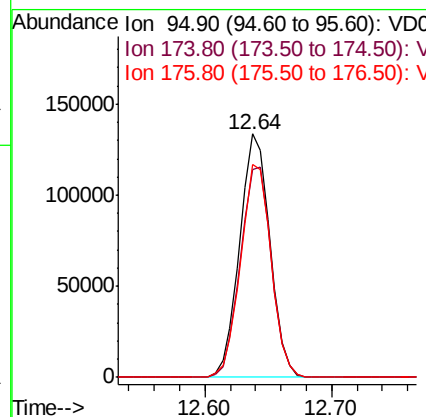
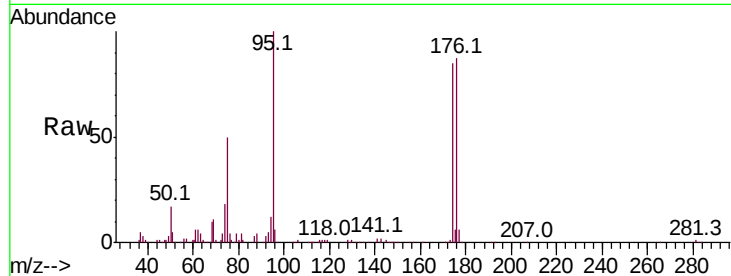




#62
4-Bromofluorobenzene
Concen: 51.615 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067490.D
Acq: 02 Nov 2020 14:37

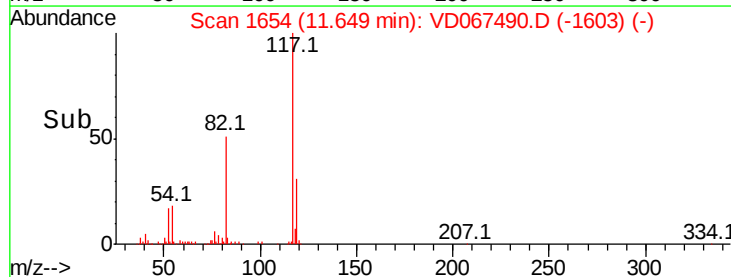
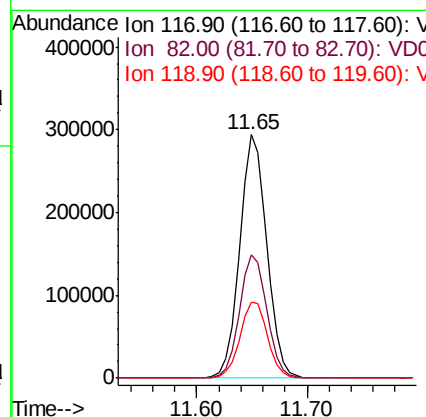
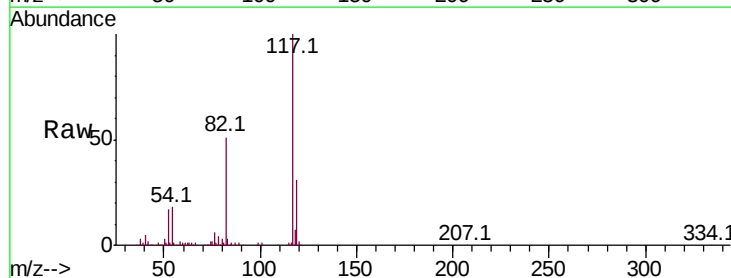
Instrument :
MSVOA_D
ClientSampleId :
341

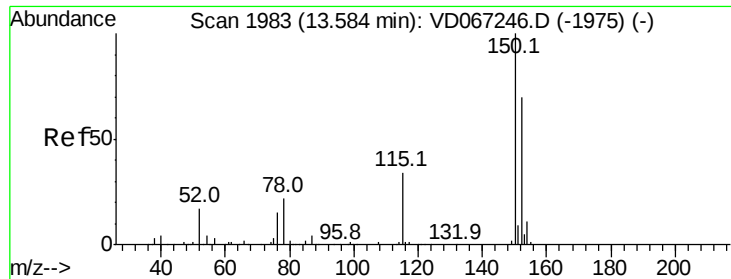
Tot Ion	Ratio	Lower	Upper
95	100		
174	88.6	0.0	175.2
176	88.1	0.0	168.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067490.D
Acq: 02 Nov 2020 14:37

Tgt Ion	Ratio	Lower	Upper
117	100		
82	50.9	39.9	59.9
119	31.2	24.9	37.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.58 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

341

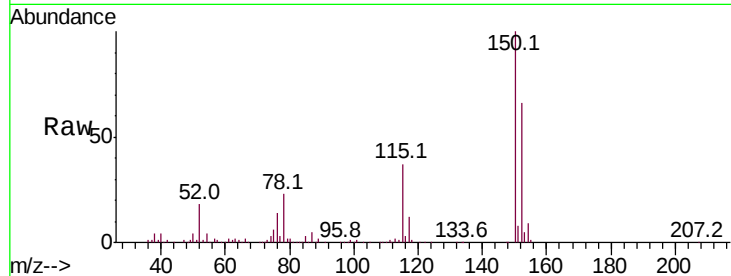
Tot Ion:152 Resp: 254815

Ion Ratio Lower Upper

152 100

115 57.8 29.3 87.9

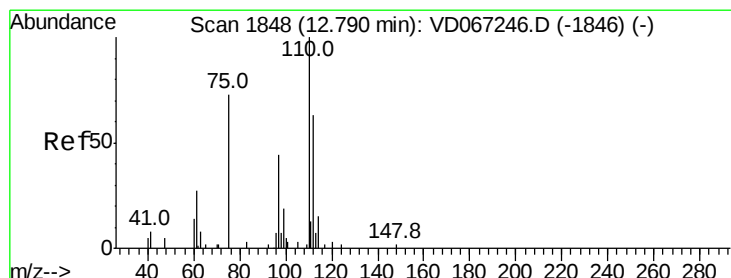
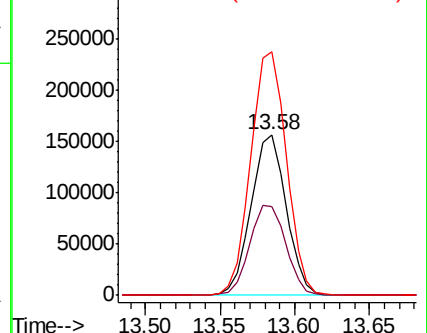
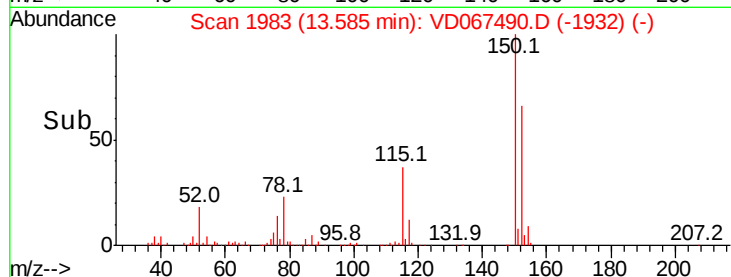
150 154.5 0.0 339.0



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



#76

1,2,3-Trichloropropane

Concen: 63.614 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067490.D

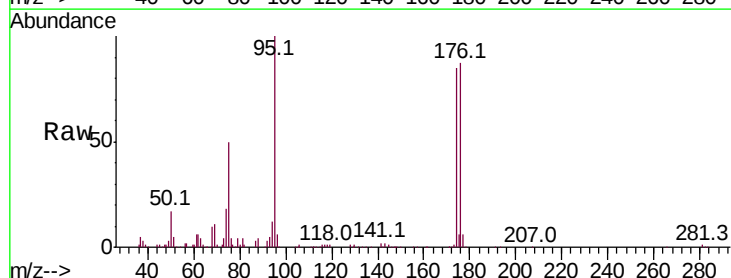
Acq: 02 Nov 2020 14:37

Tgt Ion: 75 Resp: 112349

Ion Ratio Lower Upper

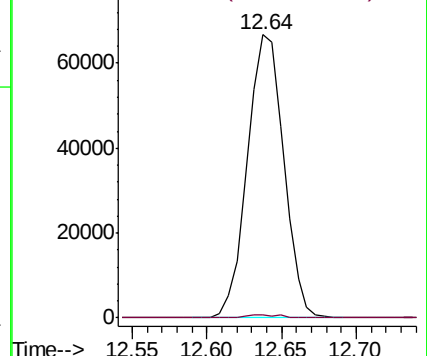
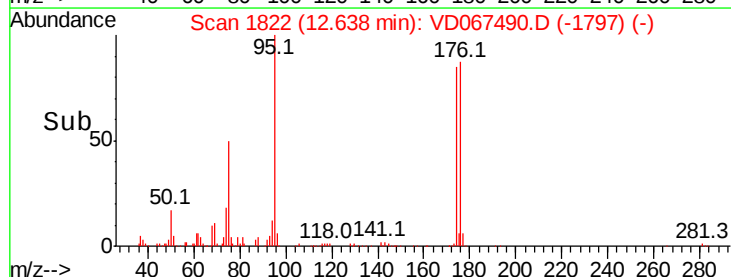
75 100

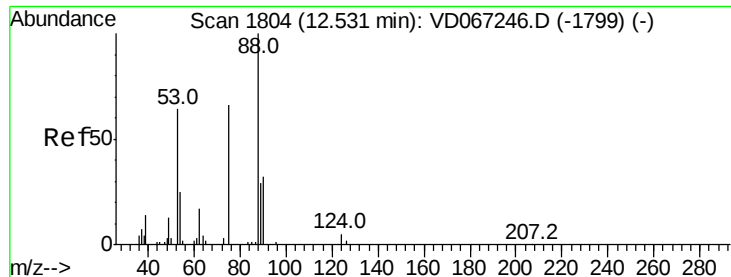
77 1.0 0.0 0.0#



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: 144.257 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067490.D

Acq: 02 Nov 2020 14:37

Instrument :

MSVOA_D

ClientSampleId :

341

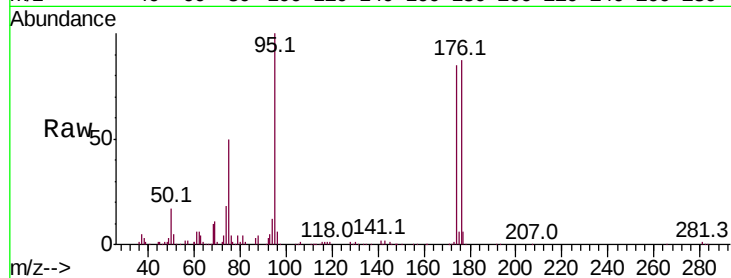
Tot Ion: 75 Resp: 112349

Ion Ratio Lower Upper

75 100

53 0.1 78.5 117.7#

89 0.0 39.9 59.9#



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

