

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD101620\
 Data File : VD067299.D
 Acq On : 16 Oct 2020 16:08
 Operator : VA/SY
 Sample : L4433-01
 Misc : 5.61G/5.00ml/MSVOA D/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 PR-SOIL-PILE

Quant Time: Oct 17 00:40:30 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 14 03:30:30 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	336773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.87	114	567970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.65	117	524016	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	250120	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	179939	53.33	ug/l	0.00
Spiked Amount			Recovery	=	106.66%	
35) Dibromofluoromethane	7.91	113	182264	48.22	ug/l	0.00
Spiked Amount			Recovery	=	96.44%	
50) Toluene-d8	10.34	98	659981	48.25	ug/l	0.00
Spiked Amount			Recovery	=	96.50%	
62) 4-Bromofluorobenzene	12.64	95	220965	46.46	ug/l	0.00
Spiked Amount			Recovery	=	92.92%	

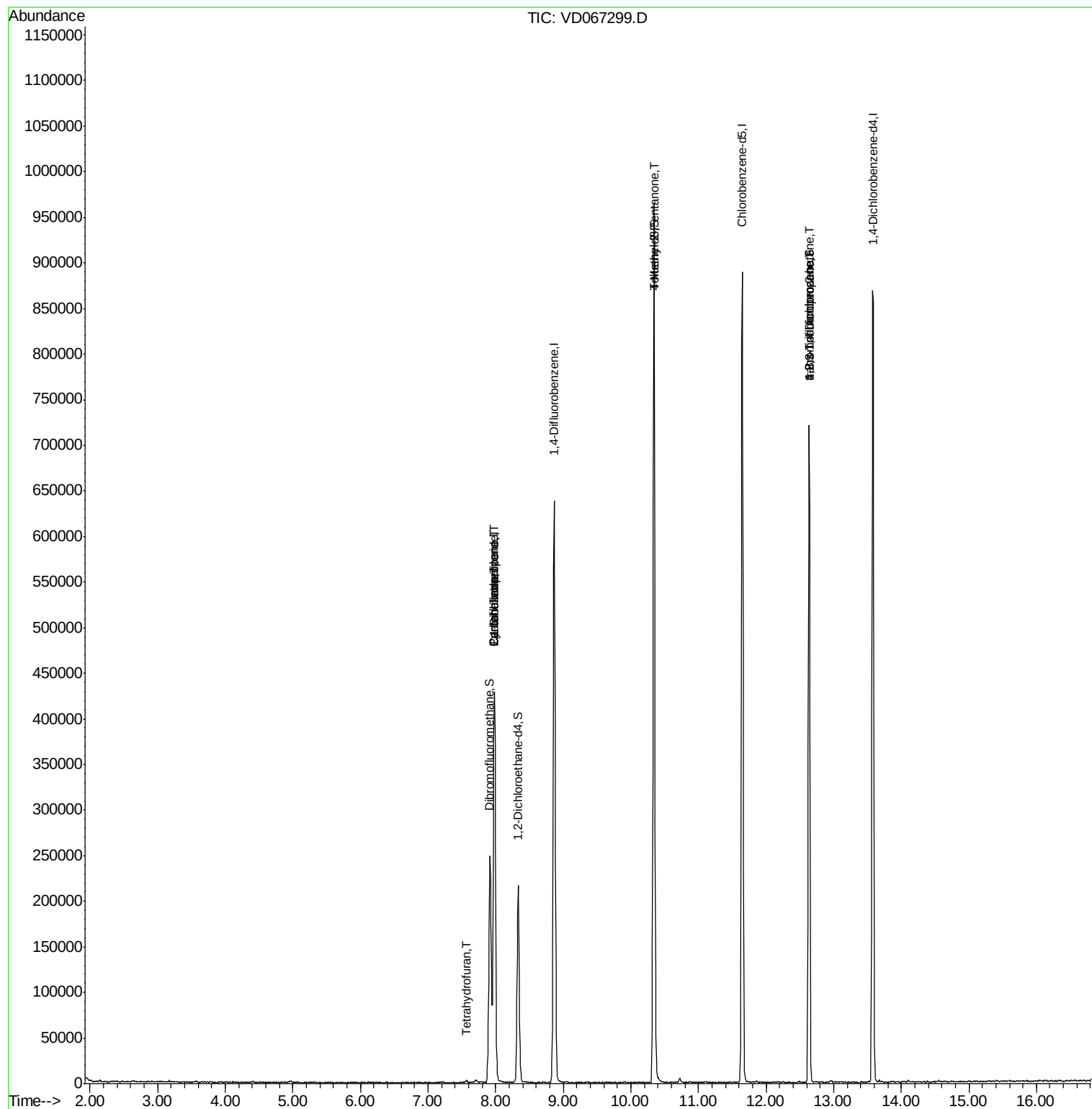
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.99	85	219	Below Cal	#	44
5) Bromomethane	2.79	94	115	Below Cal	#	3
20) Methylene Chloride	4.97	84	1410	Below Cal	#	39
29) Tetrahydrofuran	7.57	42	1019	3.403	ug/l #	62
31) Cyclohexane	7.97	56	7122	1.833	ug/l #	50
36) 1,1-Dichloropropene	7.98	75	23070	4.792	ug/l #	52
38) Carbon Tetrachloride	7.98	117	34266	5.569	ug/l #	19
51) 4-Methyl-2-Pentanone	10.34	43	2563	1.828	ug/l #	1
76) 1,2,3-Trichloropropane	12.64	75	115312	66.517	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	115312	150.841	ug/l #	10

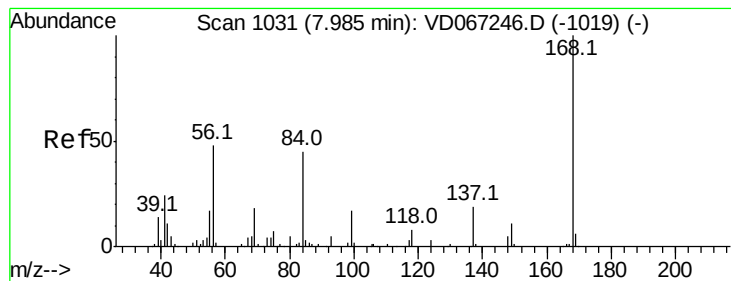
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA D\DATA\VD101620\
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Quant Time: Oct 17 00:40:30 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_D\METHOD\82D101320S.M
Quant Title : SW846 8260
QLast Update : Wed Oct 14 03:30:30 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.98 min Scan# 1030

Delta R.T. -0.01 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

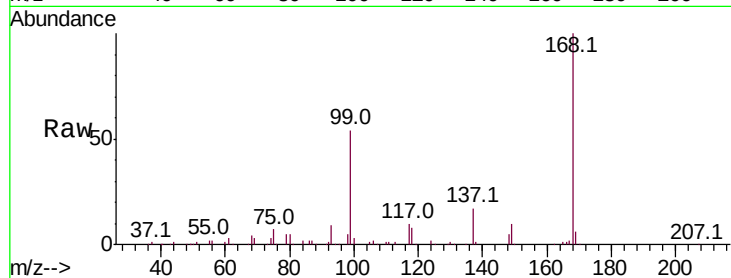
PR-SOIL-PILE

Tot Ion:168 Resp: 336773

Ion Ratio Lower Upper

168 100

99 54.2 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

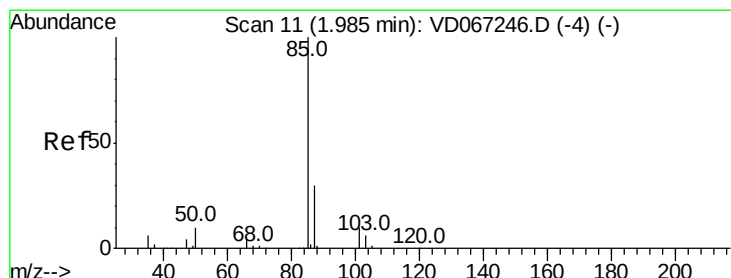
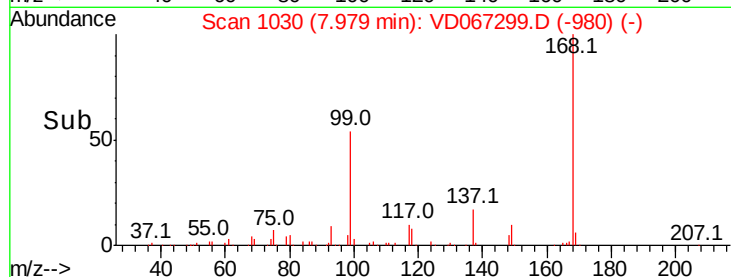
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: Below Cal

RT: 1.99 min Scan# 12

Delta R.T. 0.01 min

Lab File: VD067299.D

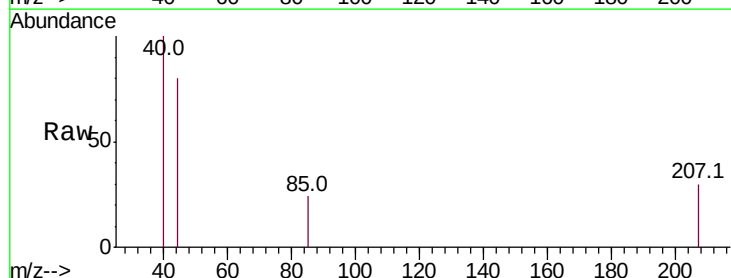
Acq: 16 Oct 2020 16:08

Tgt Ion: 85 Resp: 219

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

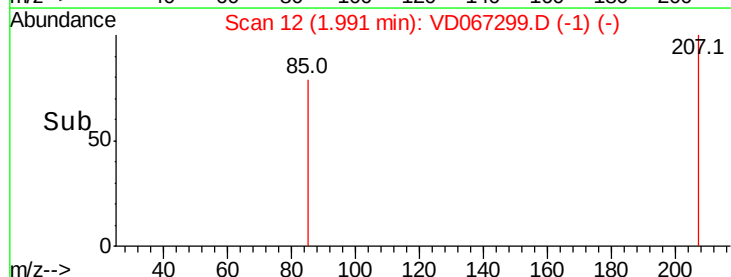
300

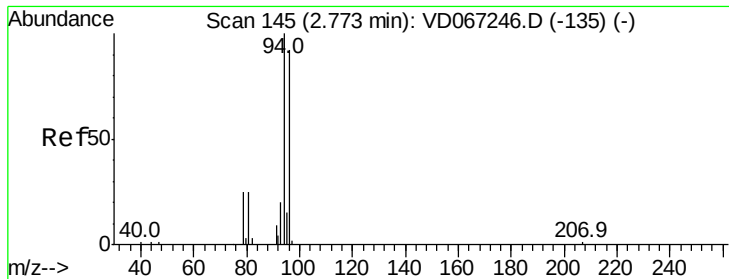
200

100

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.79 min Scan# 147

Delta R.T. 0.01 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

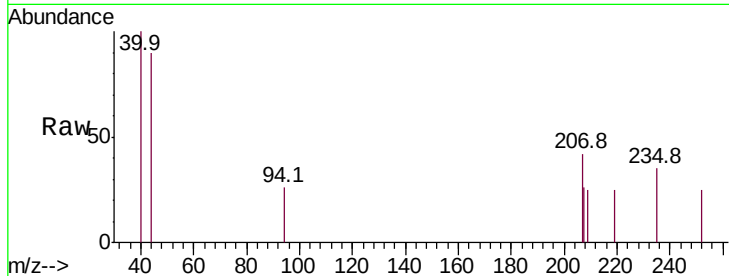
PR-SOIL-PILE

Tot Ion: 94 Resp: 115

Ion Ratio Lower Upper

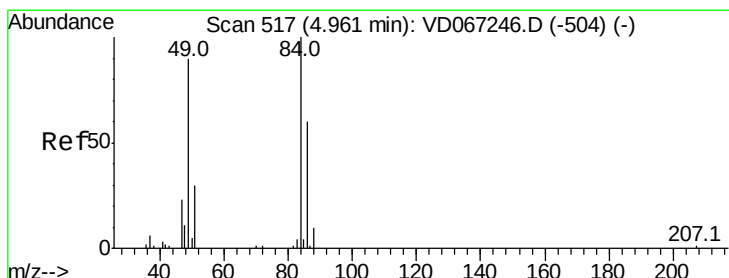
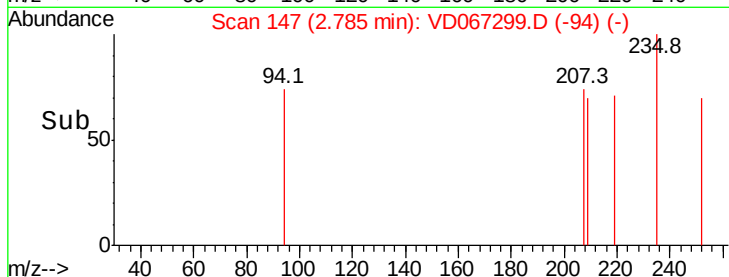
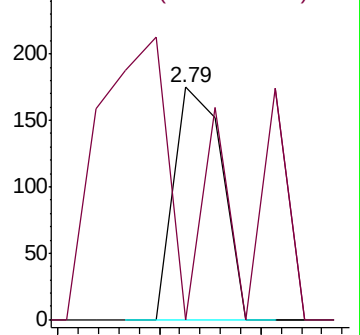
94 100

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



#20

Methylene Chloride

Concen: Below Cal

RT: 4.97 min Scan# 519

Delta R.T. 0.01 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Tgt Ion: 84 Resp: 1410

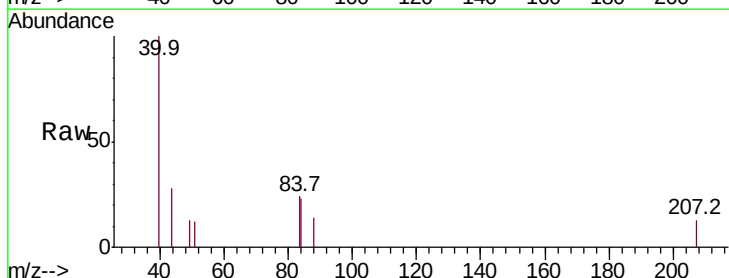
Ion Ratio Lower Upper

84 100

49 27.8 72.2 108.2#

51 25.4 23.8 35.8

86 0.0 48.2 72.4#

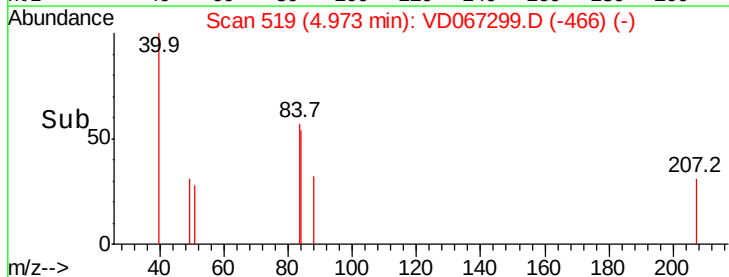
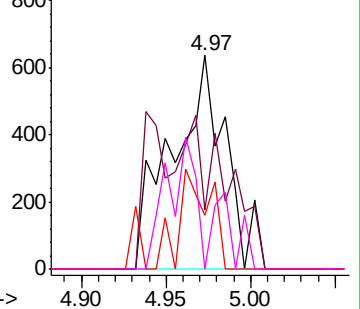


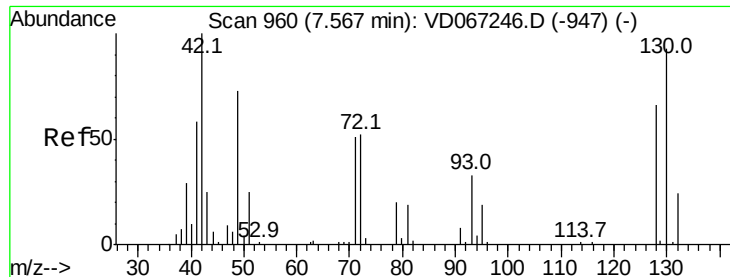
Abundance Ion 83.90 (83.60 to 84.60): VDC

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





#29

Tetrahydrofuran

Concen: 3.403 ug/l

RT: 7.57 min Scan# 961

Delta R.T. 0.01 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

PR-SOIL-PILE

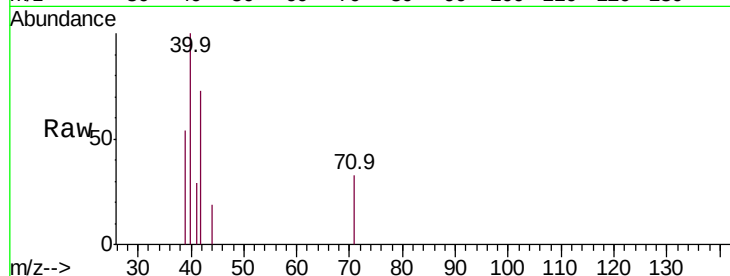
Tot Ion: 42 Resp: 1019

Ion Ratio Lower Upper

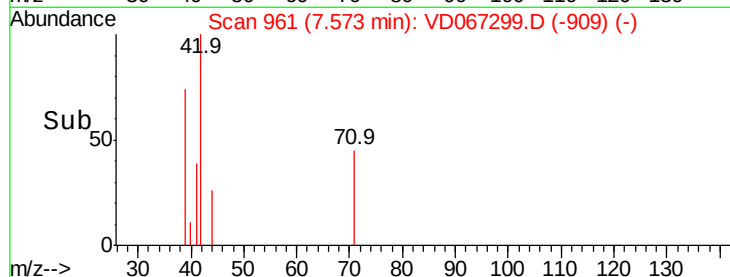
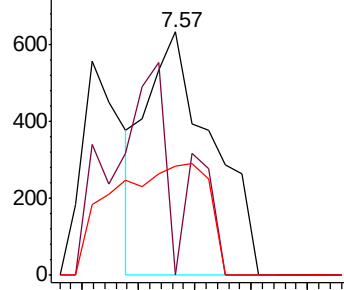
42 100

72 87.8 43.2 64.8#

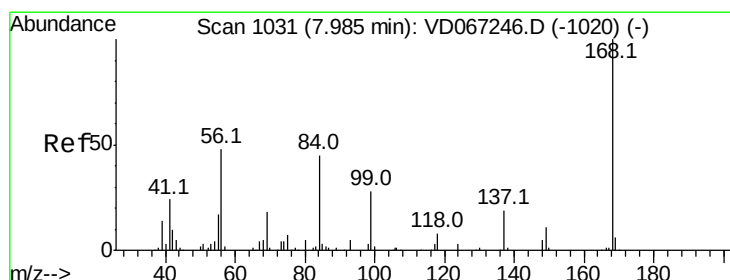
71 67.9 39.4 59.0#



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



Time-->



#31

Cyclohexane

Concen: 1.833 ug/l

RT: 7.97 min Scan# 1029

Delta R.T. -0.01 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

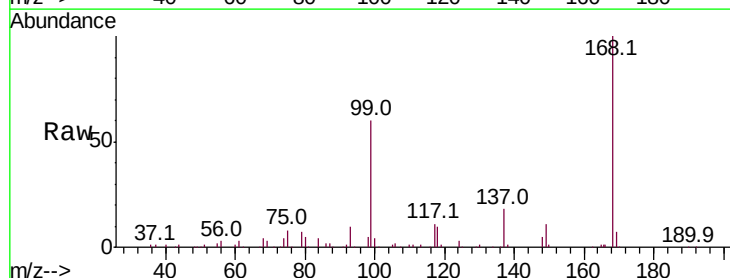
Tgt Ion: 56 Resp: 7122

Ion Ratio Lower Upper

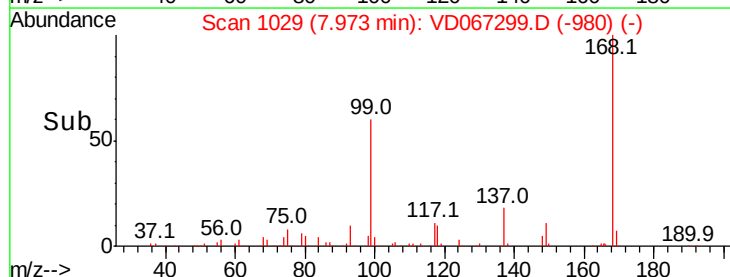
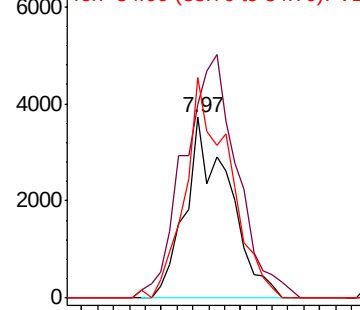
56 100

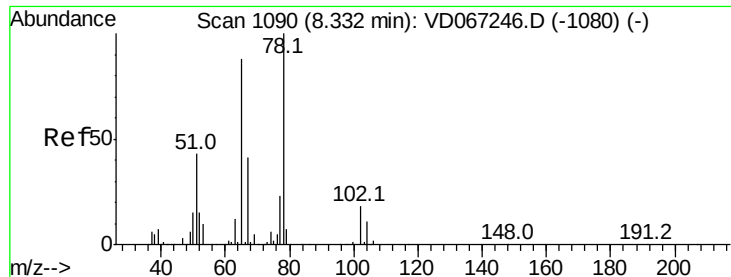
69 102.6 29.8 44.6#

84 122.2 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

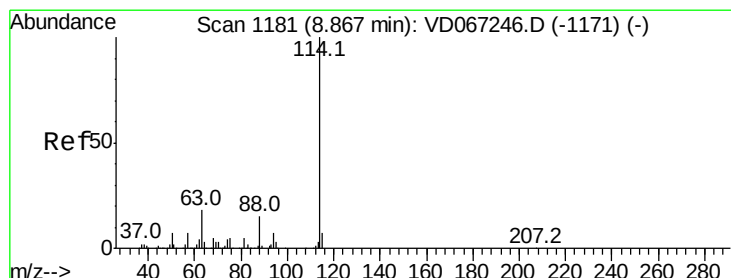
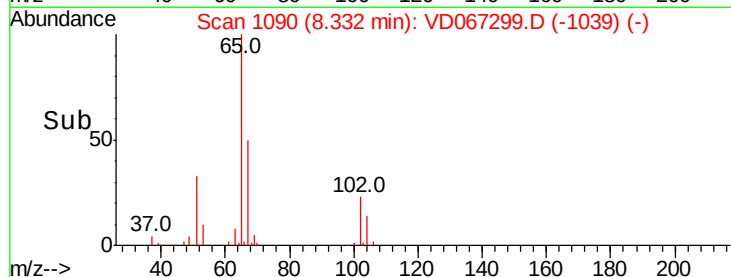
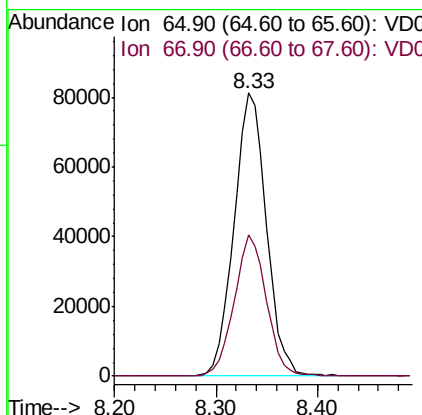
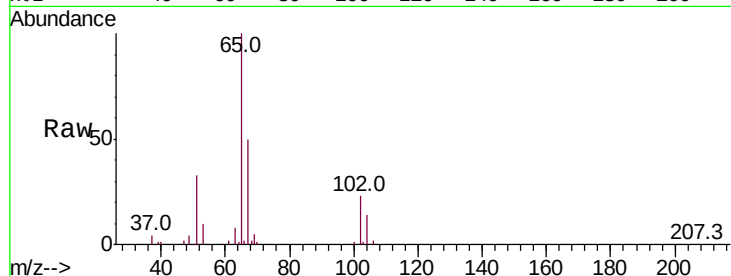




#33
 1,2-Dichloroethane-d4
 Concen: 53.332 ug/l
 RT: 8.33 min Scan# 1090
 Delta R.T. 0.00 min
 Lab File: VD067299.D
 Acq: 16 Oct 2020 16:08

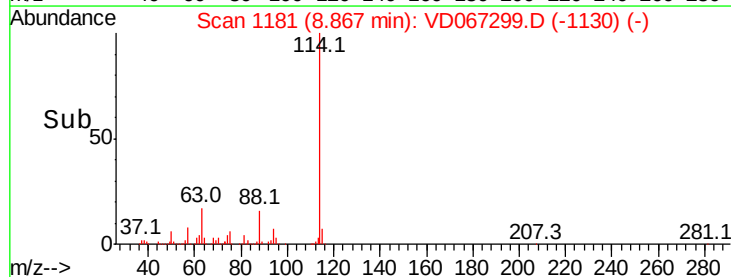
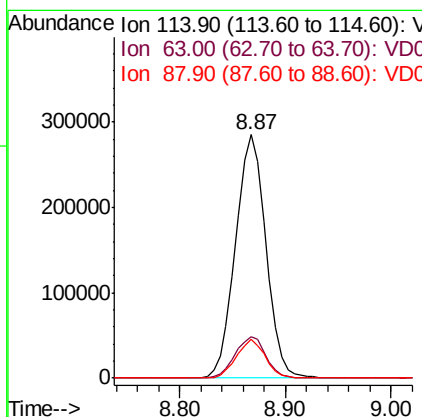
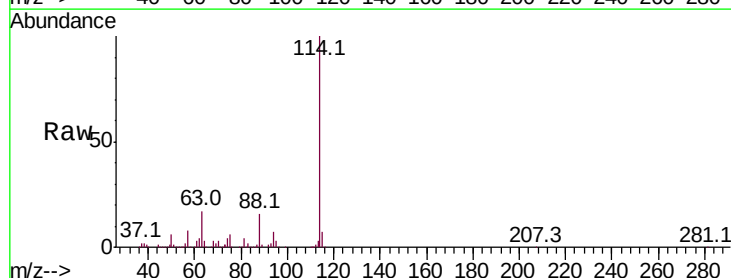
Instrument :
 MSVOA_D
 ClientSampleId :
 PR-SOIL-PILE

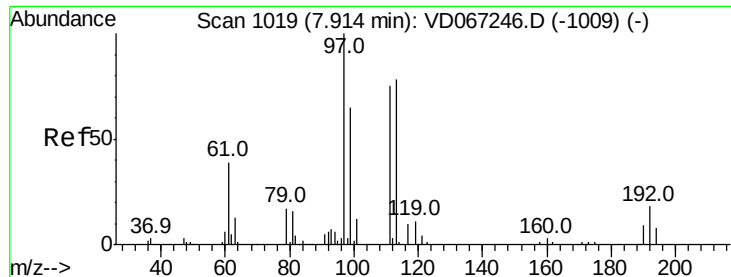
Tot Ion: 65 Resp: 179939
 Ion Ratio Lower Upper
 65 100
 67 49.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.87 min Scan# 1181
 Delta R.T. 0.00 min
 Lab File: VD067299.D
 Acq: 16 Oct 2020 16:08

Tgt Ion: 114 Resp: 567970
 Ion Ratio Lower Upper
 114 100
 63 17.0 0.0 35.0
 88 16.0 0.0 30.6

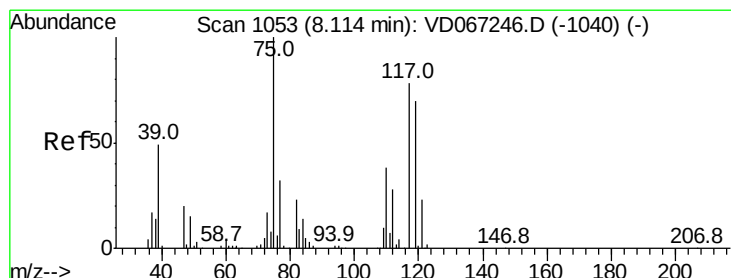
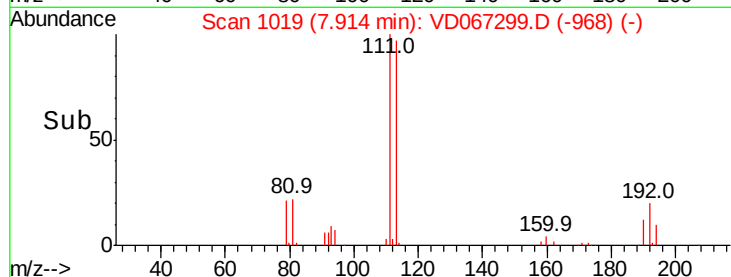
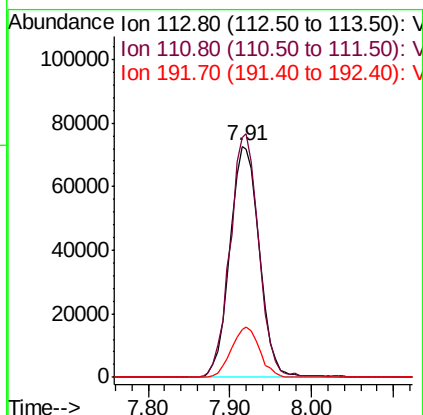
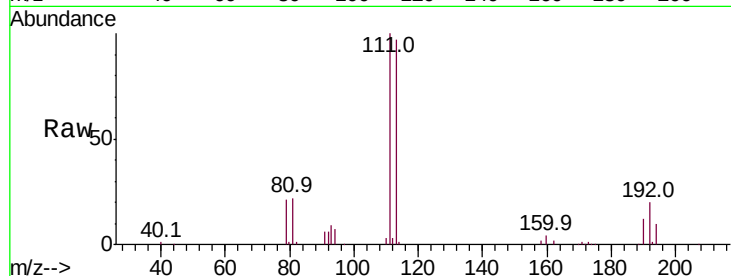




#35
 Dibromofluoromethane
 Concen: 48.220 ug/l
 RT: 7.91 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VD067299.D
 Acq: 16 Oct 2020 16:08

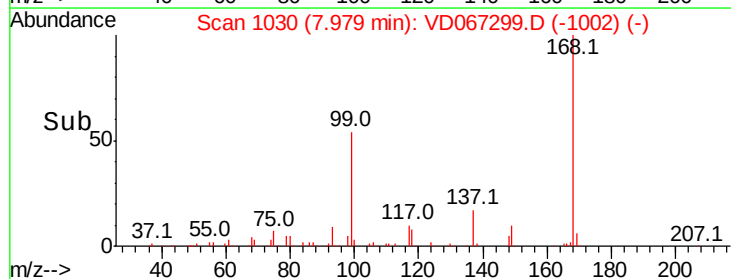
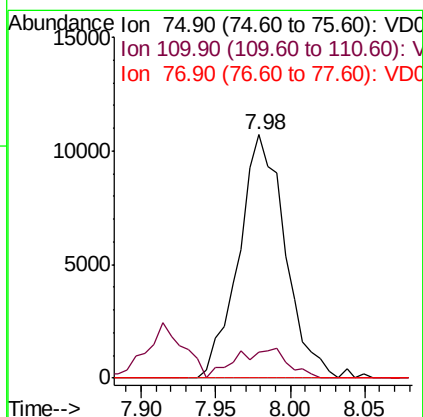
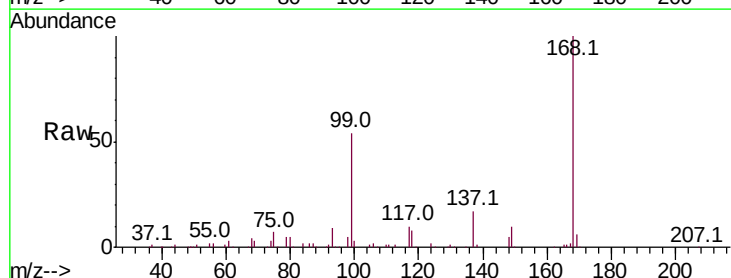
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 ClientSampleId :
 PR-SOIL-PILE

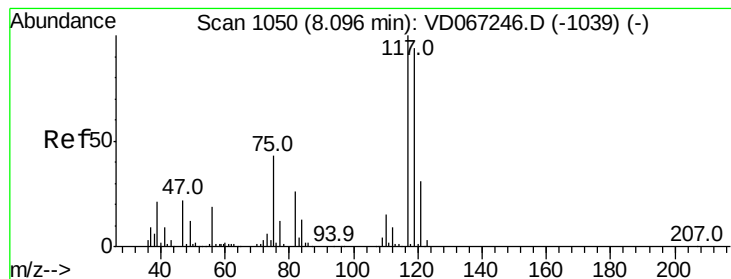
Tot Ion:113 Resp: 182264
 Ion Ratio Lower Upper
 113 100
 111 102.3 81.6 122.4
 192 20.8 17.0 25.4



#36
 1,1-Dichloropropene
 Concen: 4.792 ug/l
 RT: 7.98 min Scan# 1030
 Delta R.T. -0.14 min
 Lab File: VD067299.D
 Acq: 16 Oct 2020 16:08

Tgt Ion: 75 Resp: 23070
 Ion Ratio Lower Upper
 75 100
 110 13.6 19.6 58.7#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 5.569 ug/l

RT: 7.98 min Scan# 1031

Delta R.T. -0.11 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

PR-SOIL-PILE

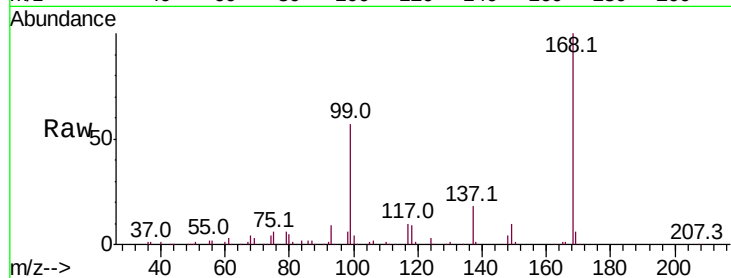
Tot Ion:117 Resp: 34266

Ion Ratio Lower Upper

117 100

119 7.6 75.0 112.4#

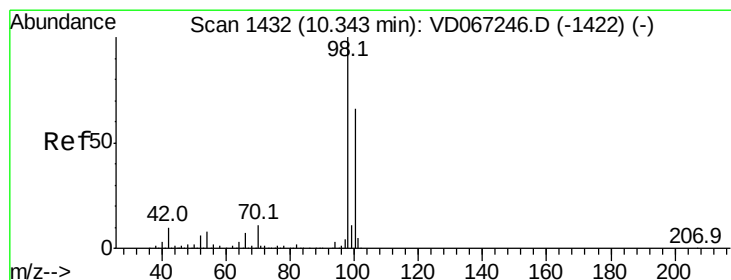
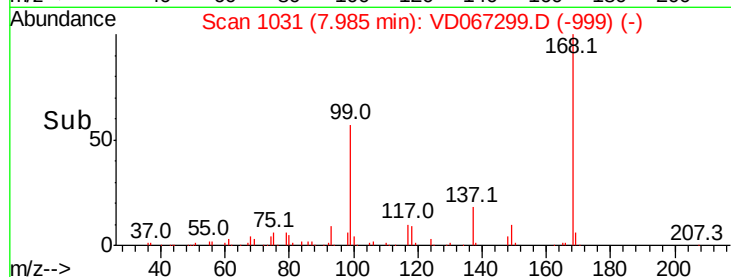
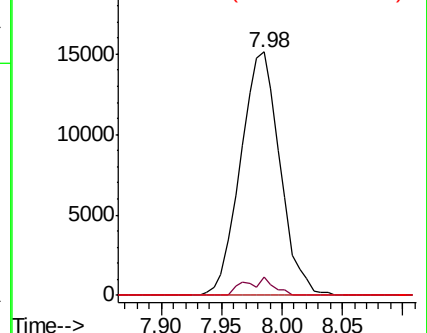
121 0.0 24.9 37.3#



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: 48.248 ug/l

RT: 10.34 min Scan# 1432

Delta R.T. 0.00 min

Lab File: VD067299.D

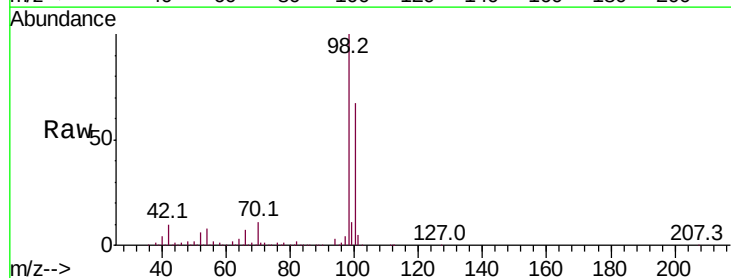
Acq: 16 Oct 2020 16:08

Tgt Ion: 98 Resp: 659981

Ion Ratio Lower Upper

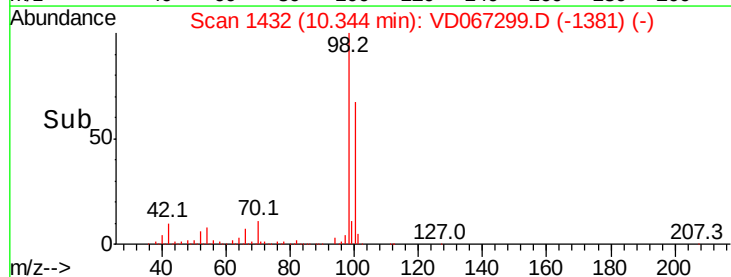
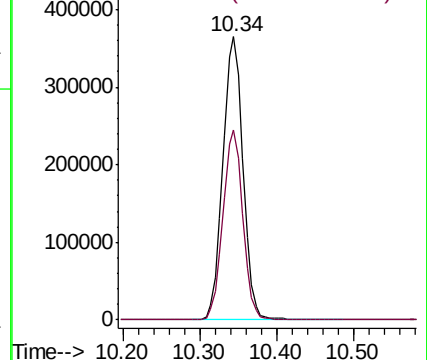
98 100

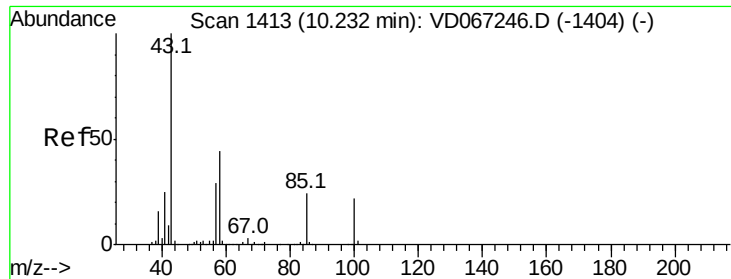
100 66.2 53.1 79.7



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V

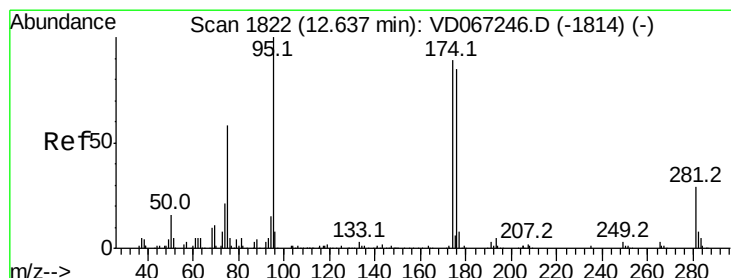
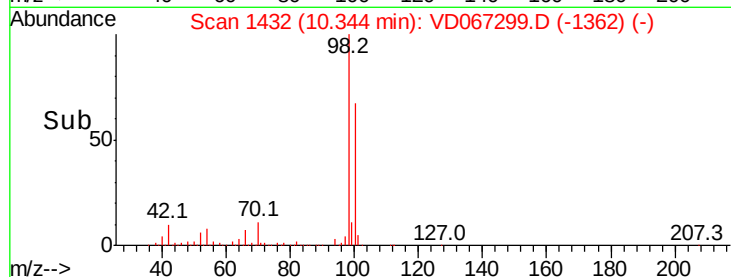
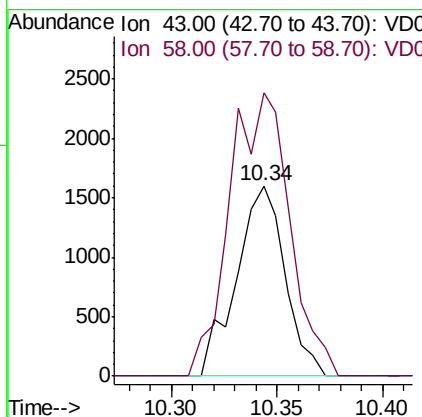
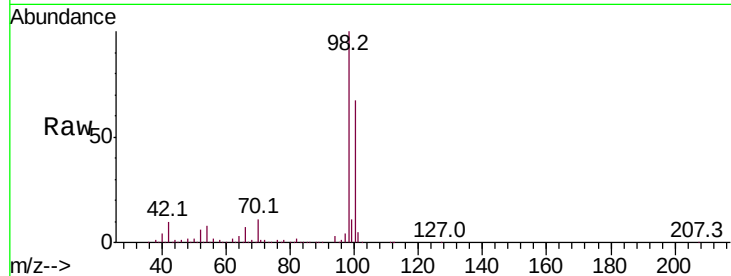




#51
4-Methyl-2-Pentanone
Concen: 1.828 ug/l
RT: 10.34 min Scan# 1432
Delta R.T. 0.11 min
Lab File: VD067299.D
Acq: 16 Oct 2020 16:08

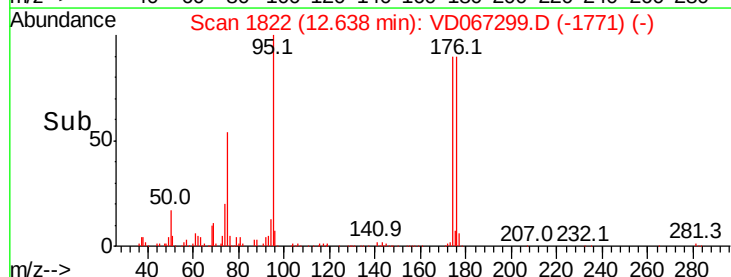
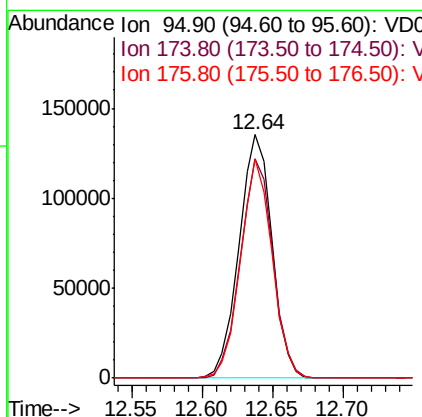
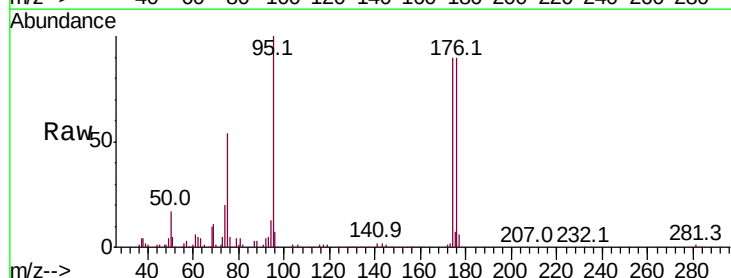
Instrument :
MSVOA_D
ClientSampleId :
PR-SOIL-PILE

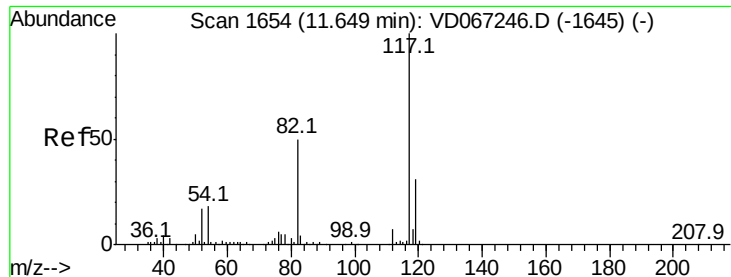
Tot Ion: 43 Resp: 2563
Ion Ratio Lower Upper
43 100
58 183.7 35.7 53.5#



#62
4-Bromofluorobenzene
Concen: 46.456 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD067299.D
Acq: 16 Oct 2020 16:08

Tgt Ion: 95 Resp: 220965
Ion Ratio Lower Upper
95 100
174 88.8 0.0 175.2
176 86.4 0.0 168.6

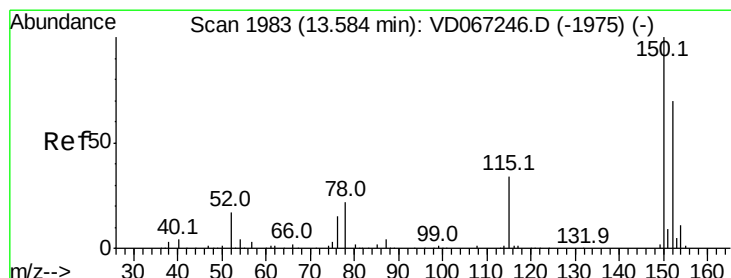
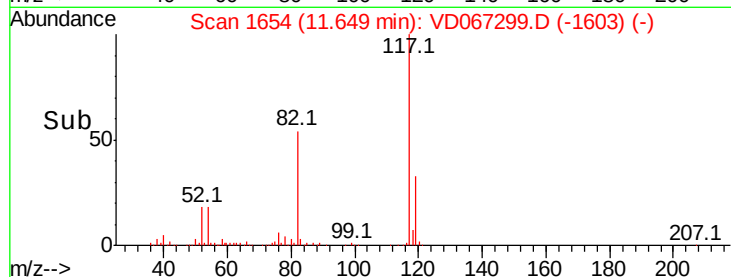
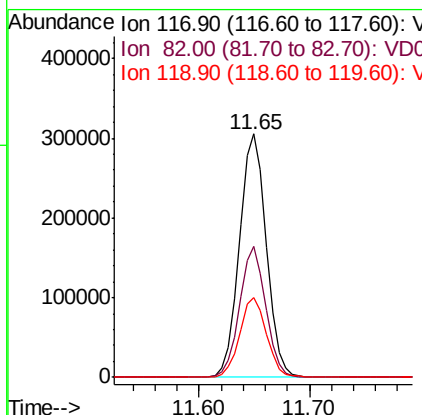
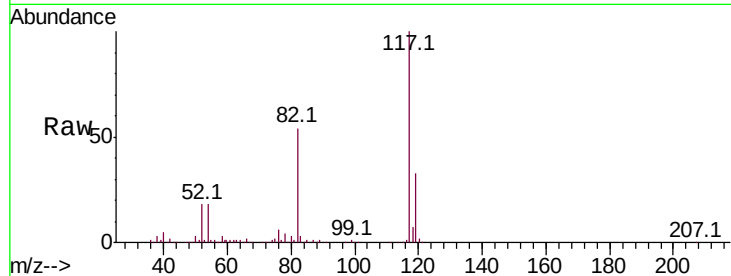




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.65 min Scan# 1654
Delta R.T. 0.00 min
Lab File: VD067299.D
Acq: 16 Oct 2020 16:08

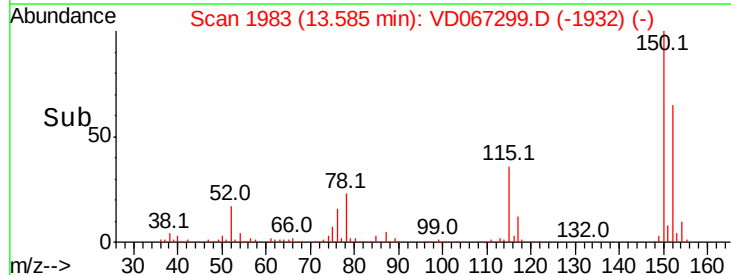
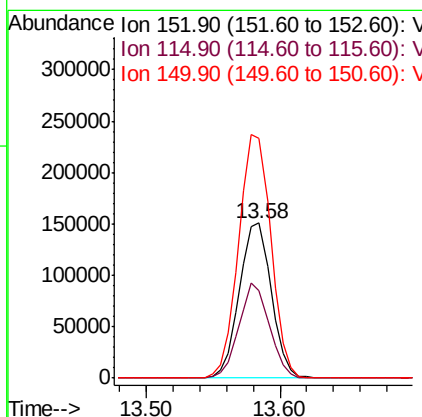
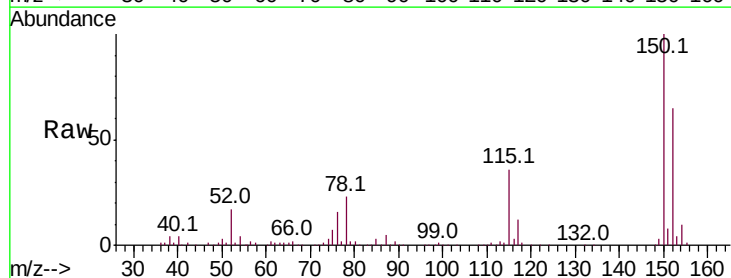
Instrument :
MSVOA_D
ClientSampleId :
PR-SOIL-PILE

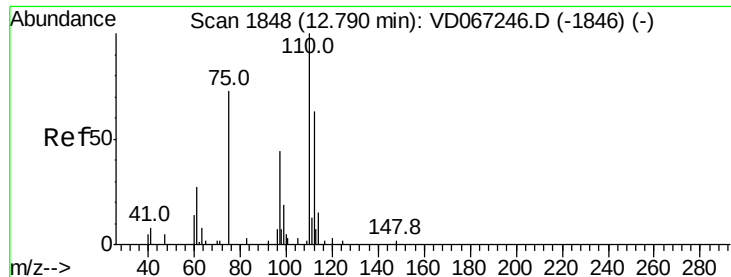
Tot Ion:117 Resp: 524016
Ion Ratio Lower Upper
117 100
82 54.0 39.9 59.9
119 32.9 24.9 37.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VD067299.D
Acq: 16 Oct 2020 16:08

Tgt Ion:152 Resp: 250120
Ion Ratio Lower Upper
152 100
115 58.3 29.3 87.9
150 159.0 0.0 339.0





#76

1,2,3-Trichloropropane

Concen: 66.517 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. -0.15 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Instrument :

MSVOA_D

ClientSampleId :

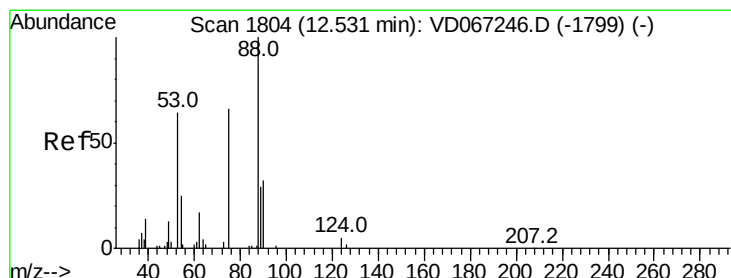
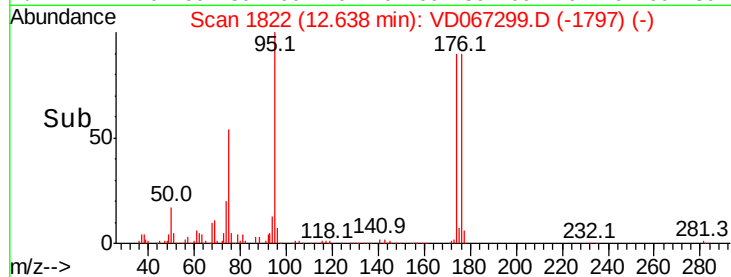
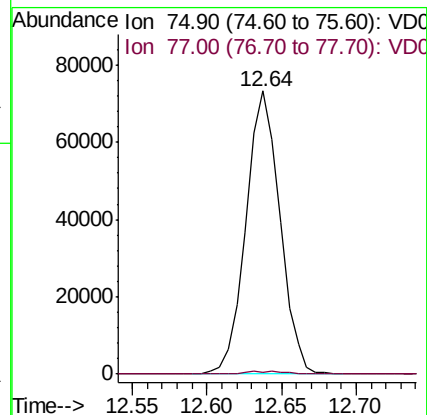
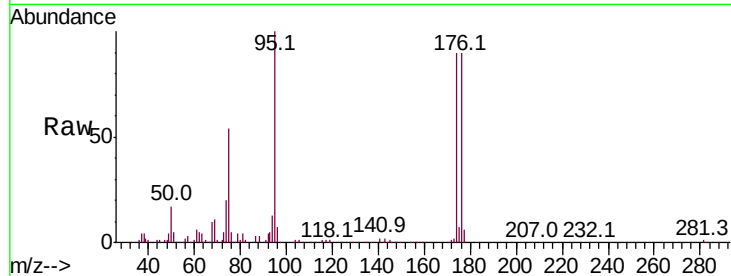
PR-SOIL-PILE

Tot Ion: 75 Resp: 115312

Ion Ratio Lower Upper

75 100

77 1.1 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 150.841 ug/l

RT: 12.64 min Scan# 1822

Delta R.T. 0.11 min

Lab File: VD067299.D

Acq: 16 Oct 2020 16:08

Tgt Ion: 75 Resp: 115312

Ion Ratio Lower Upper

75 100

53 0.0 78.5 117.7#

89 0.2 39.9 59.9#

