

Data Path : Z:\VOASRV\HPCHEM1\MSVOA D\DATA\VD080620\
 Data File : VD066135.D
 Acq On : 06 Aug 2020 15:31
 Operator : VA/SY
 Sample : L3551-01
 Misc : 5.00G/5.00ml/MSVOA D/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-DARK-SOIL

Quant Time: Aug 07 01:26:50 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_D\METHOD\82D080520S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 05 13:49:25 2020
 Response via : Initial Calibration

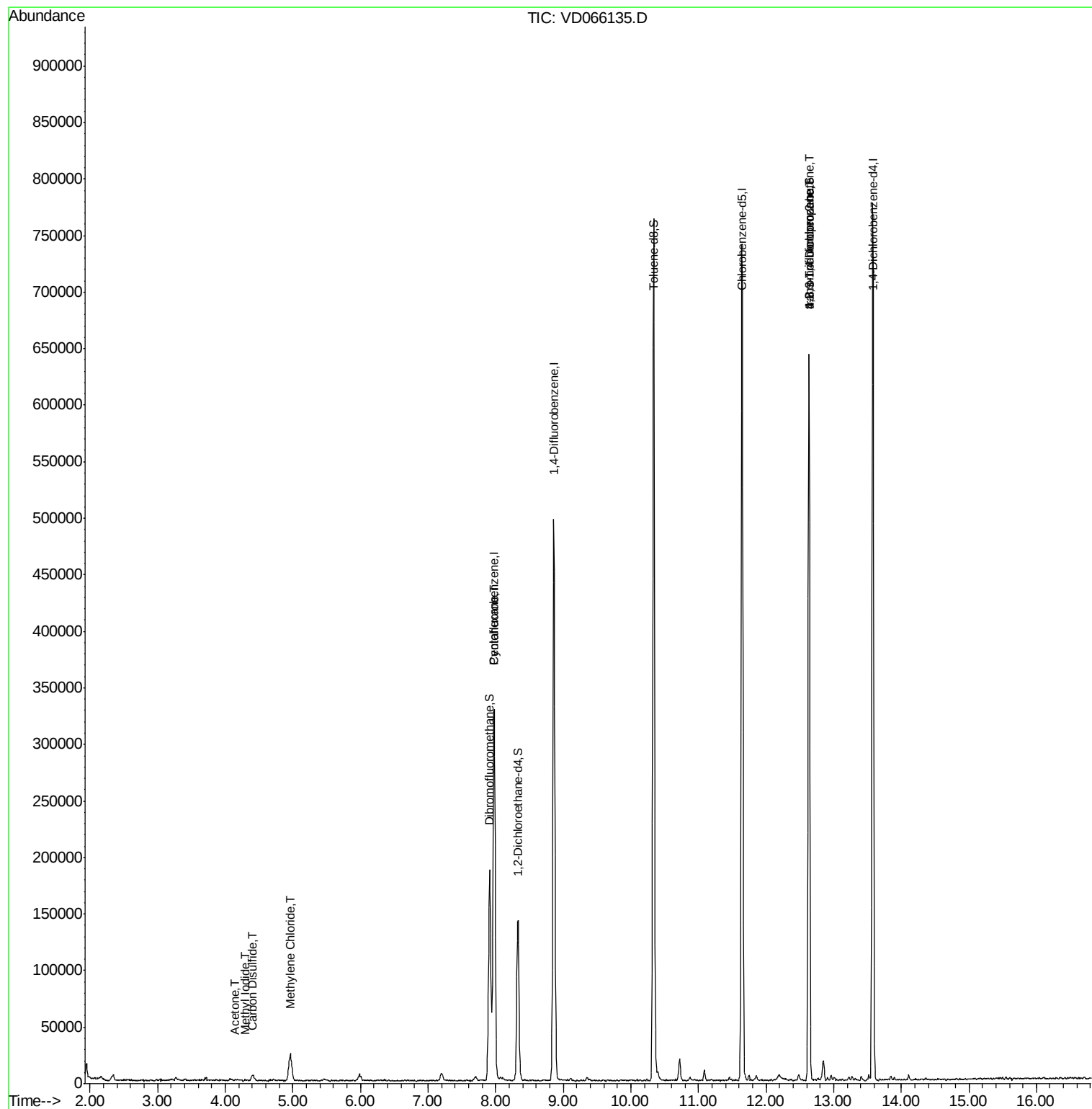
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.98	168	266951	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.86	114	428804	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.64	117	446187	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.58	152	215996	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.33	65	114630	48.13	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.26%	
35) Dibromofluoromethane	7.91	113	131439	48.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.78%	
50) Toluene-d8	10.34	98	514674	51.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.68%	
62) 4-Bromofluorobenzene	12.64	95	204670	56.64	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.28%	
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.29	142	438	6.877	ug/l #	56
11) Tert butyl alcohol	5.23	59	78	Below Cal	#	76
16) Acetone	4.14	43	555	1.228	ug/l #	44
17) Carbon Disulfide	4.40	76	10639	1.415	ug/l	96
20) Methylene Chloride	4.96	84	18106	2.550	ug/l	95
31) Cyclohexane	7.97	56	5953	1.427	ug/l #	21
76) 1,2,3-Trichloropropane	12.64	75	102788	57.065	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.64	75	102788	126.145	ug/l #	13

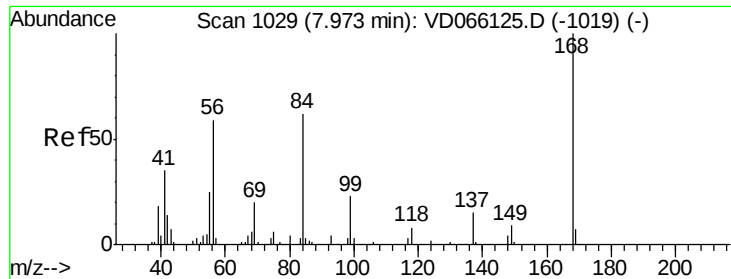
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 05 13:49:25 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: VD066135.D

Acq: 06 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

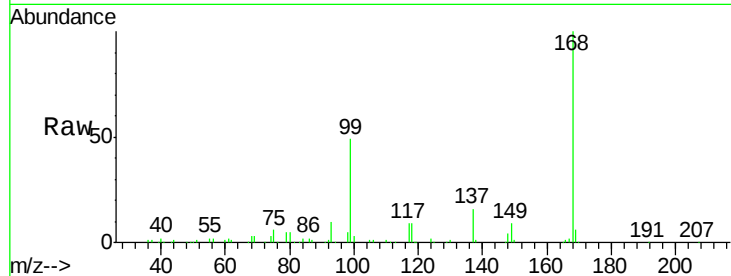
SP-1-DARK-SOIL

Tot Ion:168 Resp: 266951

Ion Ratio Lower Upper

168 100

99 48.9 42.2 63.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): V

7.98

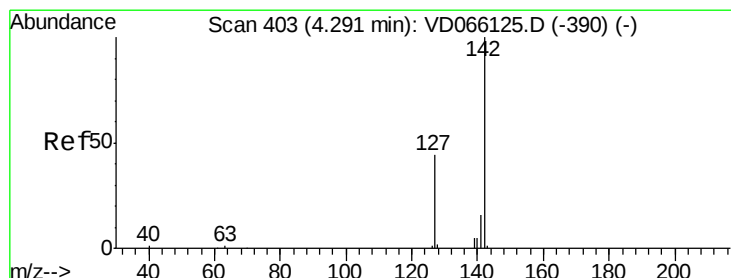
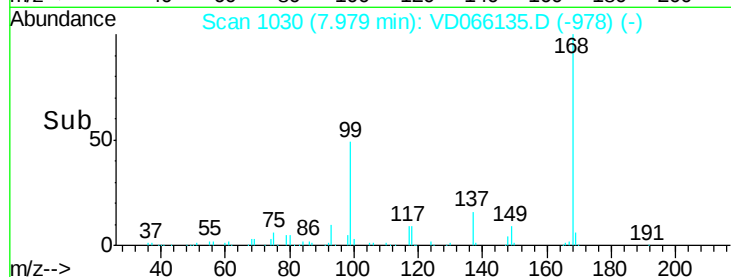
100000

50000

0

Time-->

7.90 8.00 8.10



#10

Methyl Iodide

Concen: 6.877 ug/l

RT: 4.29 min Scan# 403

Delta R.T. 0.00 min

Lab File: VD066135.D

Acq: 06 Aug 2020 15:31

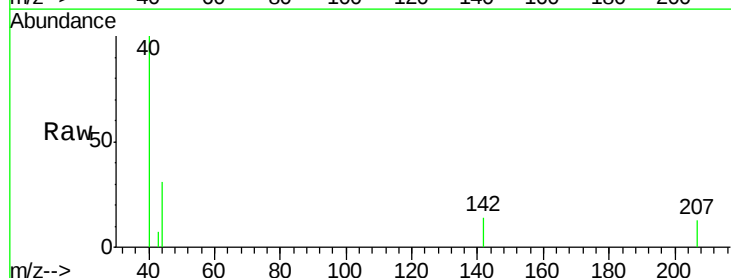
Tgt Ion:142 Resp: 438

Ion Ratio Lower Upper

142 100

127 14.8 36.2 54.4#

141 0.0 12.6 18.8#



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

4.29

400

300

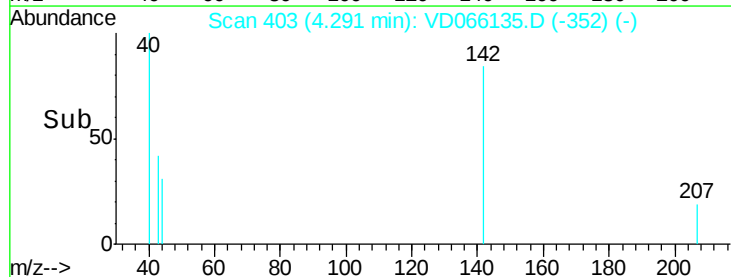
200

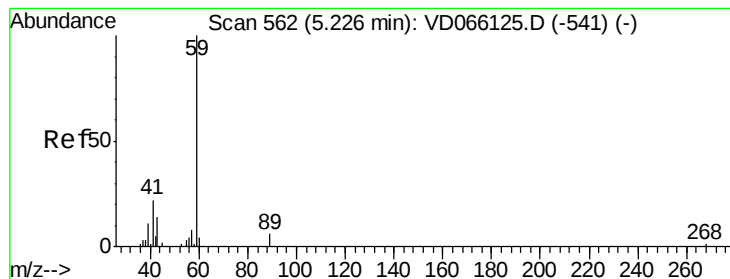
100

0

Time-->

4.26 4.28 4.30 4.32



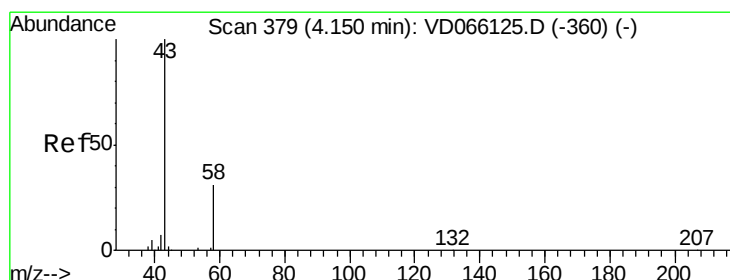
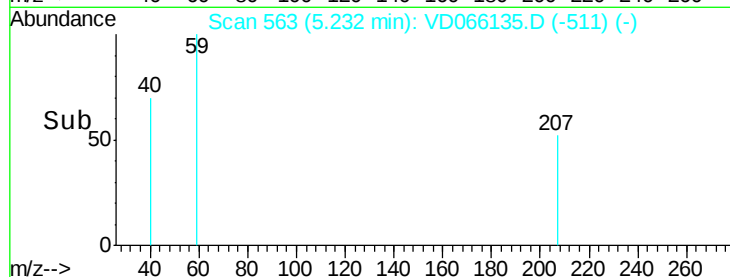
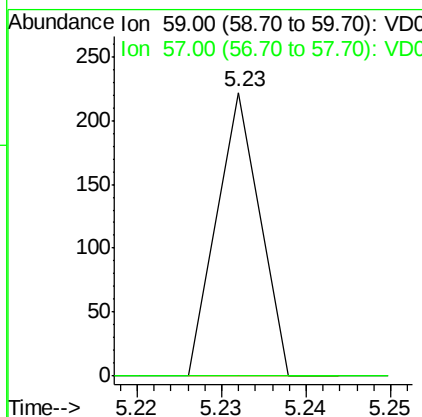
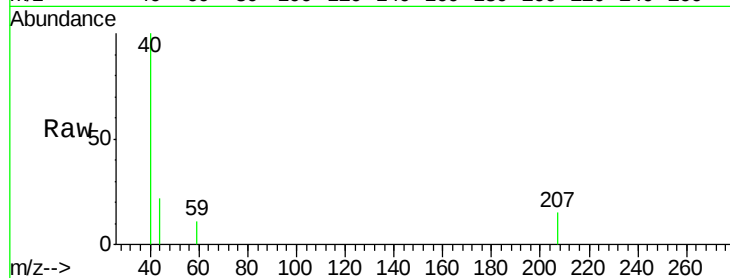


#11

Tert butyl alcohol
 Concen: Below Cal
 RT: 5.23 min Scan# 563
 Delta R.T. 0.01 min
 Lab File: VD066135.D
 Acq: 06 Aug 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-DARK-SOIL

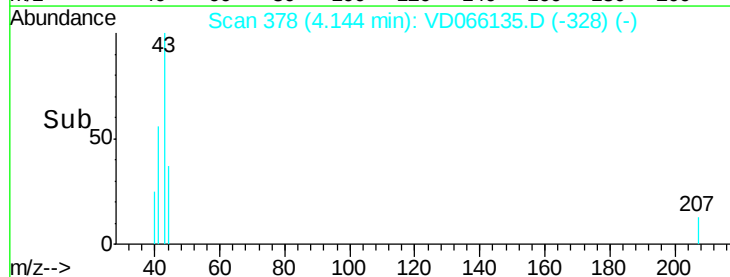
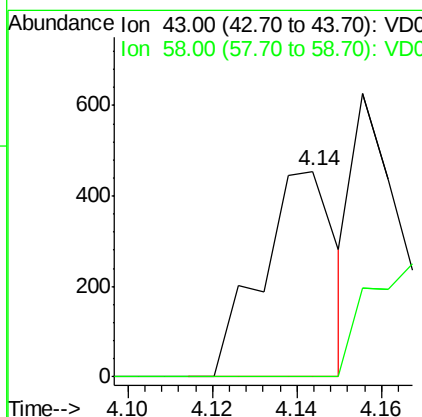
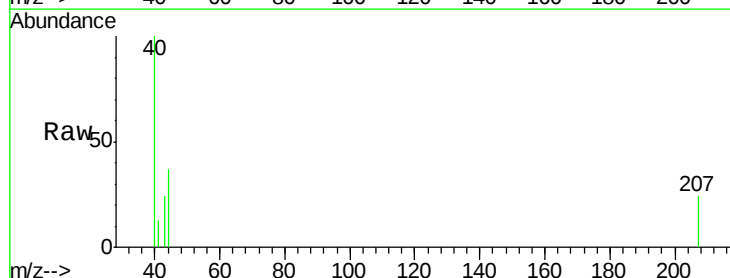
Tot Ion: 59 Resp: 78
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.0 10.4#

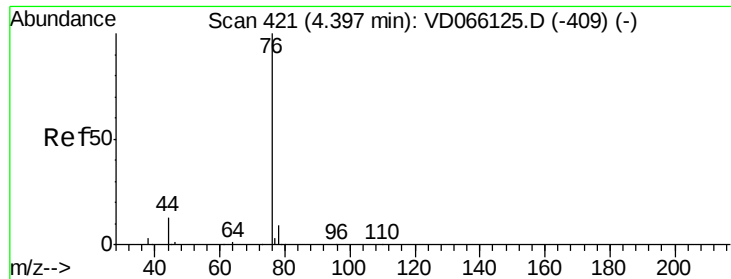


#16

Acetone
 Concen: 1.228 ug/l
 RT: 4.14 min Scan# 378
 Delta R.T. -0.01 min
 Lab File: VD066135.D
 Acq: 06 Aug 2020 15:31

Tgt Ion: 43 Resp: 555
 Ion Ratio Lower Upper
 43 100
 58 0.0 24.7 37.1#

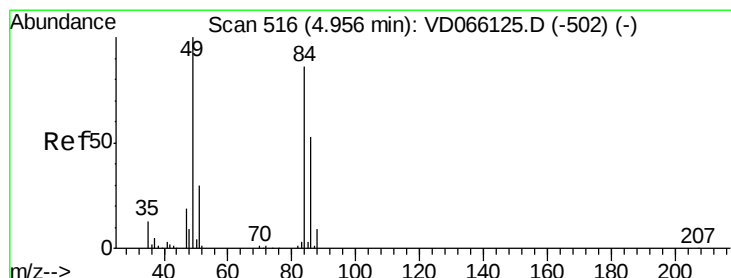
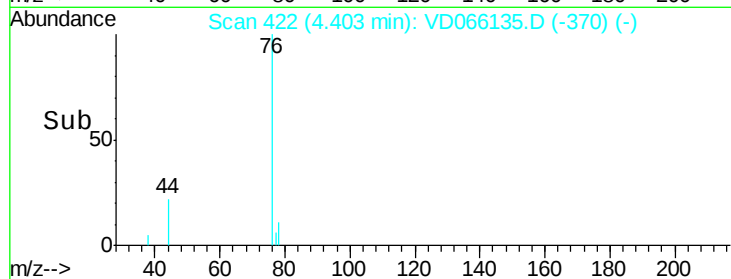
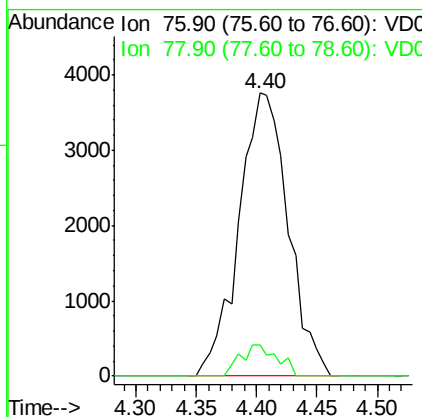
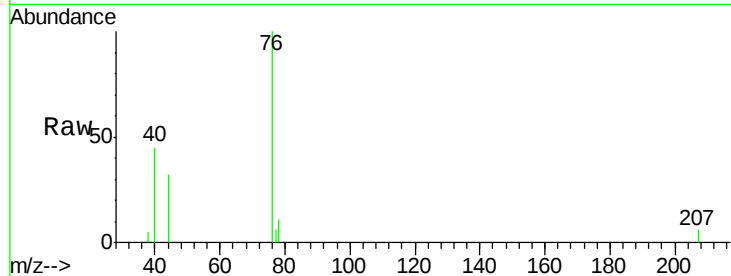




#17
Carbon Disulfide
Concen: 1.415 ug/l
RT: 4.40 min Scan# 422
Delta R.T. 0.01 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

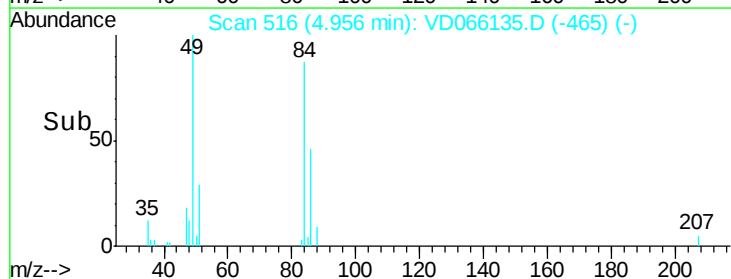
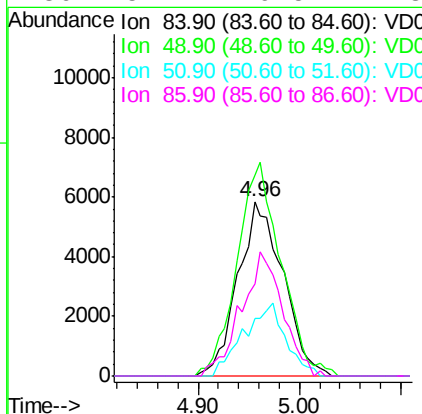
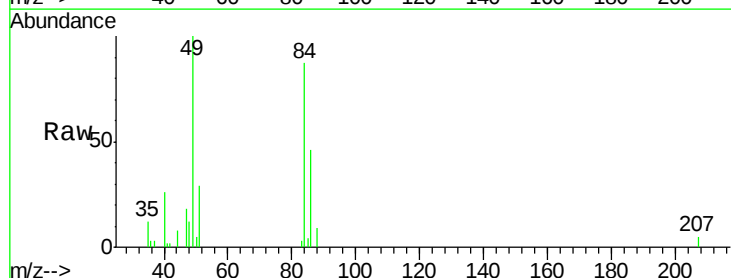
Instrument :
MSVOA_D
ClientSampleId :
SP-1-DARK-SOIL

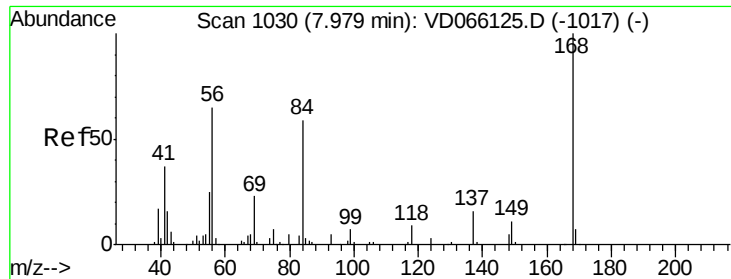
Tot Ion: 76 Resp: 10639
Ion Ratio Lower Upper
76 100
78 10.9 7.5 11.3



#20
Methylene Chloride
Concen: 2.550 ug/l
RT: 4.96 min Scan# 516
Delta R.T. 0.00 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

Tgt Ion: 84 Resp: 18106
Ion Ratio Lower Upper
84 100
49 115.0 93.5 140.3
51 33.2 28.2 42.4
86 52.7 49.5 74.3

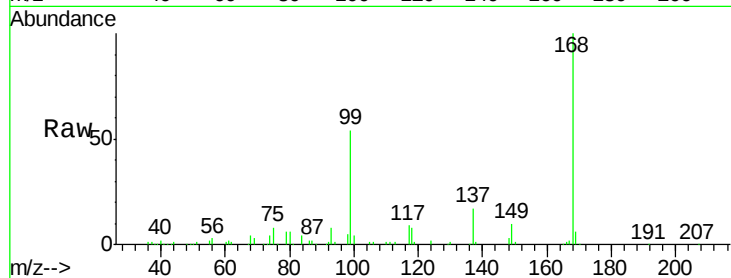




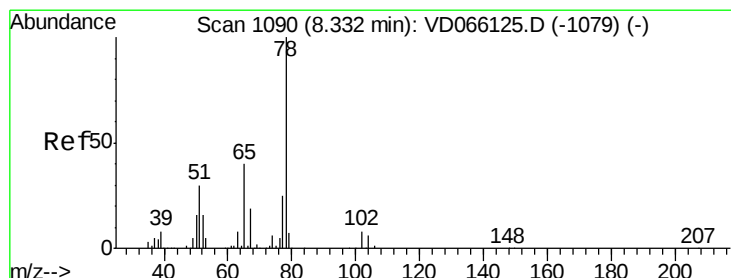
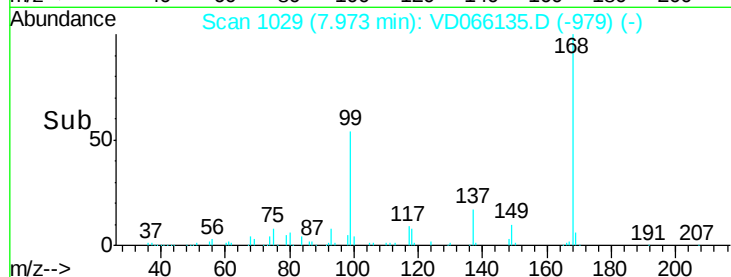
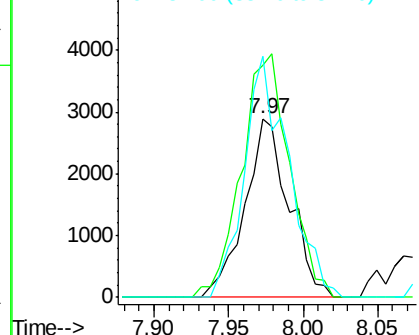
#31
Cyclohexane
Concen: 1.427 ug/l
RT: 7.97 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

Instrument :
MSVOA_D
ClientSampleId :
SP-1-DARK-SOIL

Tot Ion: 56 Resp: 5953
Ion Ratio Lower Upper
56 100
69 130.1 28.8 43.2#
84 135.4 73.0 109.6#

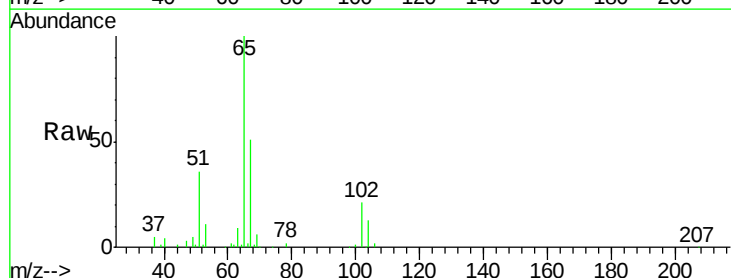


Abundance Ion 56.00 (55.70 to 56.70): VDC
Ion 69.00 (68.70 to 69.70): VDC
Ion 84.00 (83.70 to 84.70): VDC

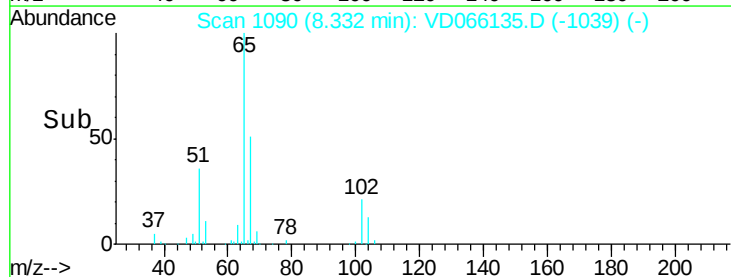
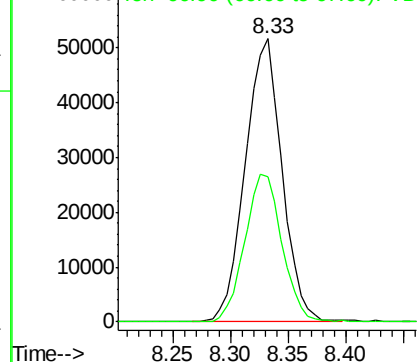


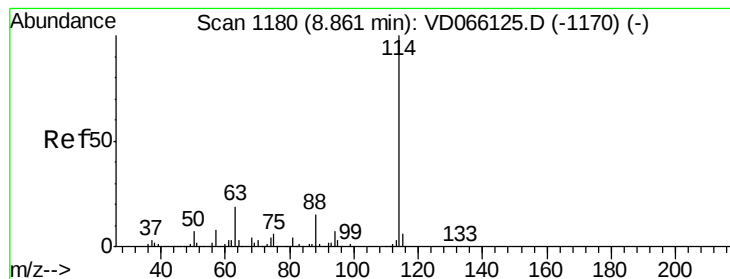
#33
1,2-Dichloroethane-d4
Concen: 48.131 ug/l
RT: 8.33 min Scan# 1090
Delta R.T. -0.00 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

Tgt Ion: 65 Resp: 114630
Ion Ratio Lower Upper
65 100
67 52.5 0.0 104.6



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: 8.86 min Scan# 1180

Delta R.T. -0.00 min

Lab File: VD066135.D

Acq: 06 Aug 2020 15:31

Instrument :

MSVOA_D

ClientSampleId :

SP-1-DARK-SOIL

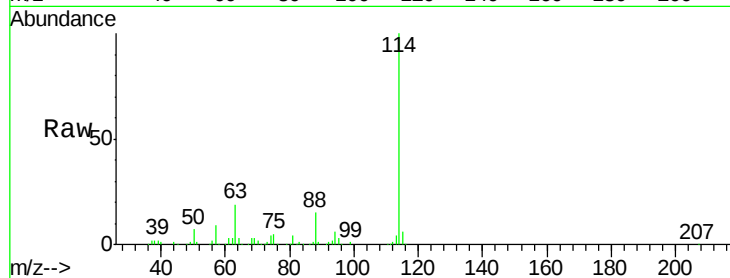
Tot Ion:114 Resp: 428804

Ion Ratio Lower Upper

114 100

63 19.0 0.0 38.6

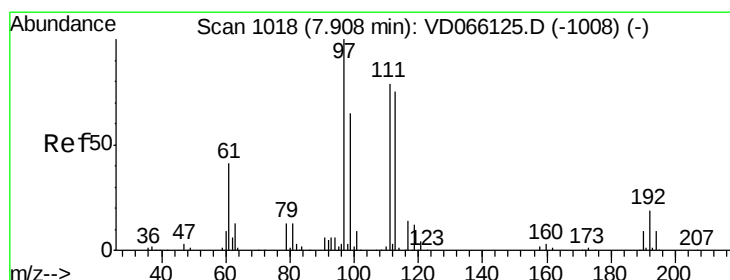
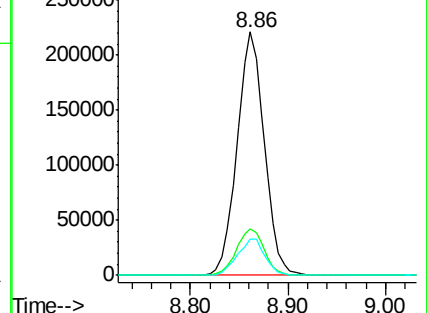
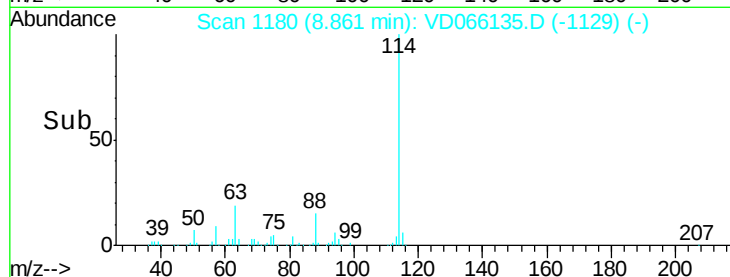
88 15.0 0.0 30.0



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: 48.387 ug/l

RT: 7.91 min Scan# 1019

Delta R.T. 0.01 min

Lab File: VD066135.D

Acq: 06 Aug 2020 15:31

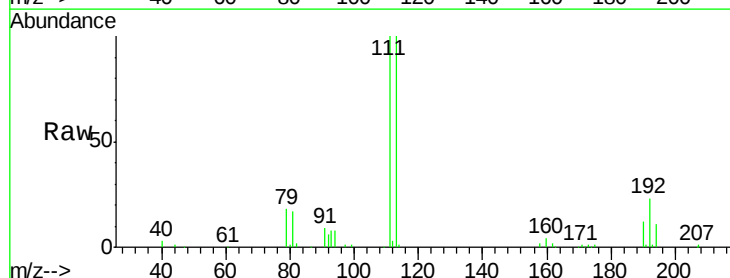
Tgt Ion:113 Resp: 131439

Ion Ratio Lower Upper

113 100

111 105.2 80.7 121.1

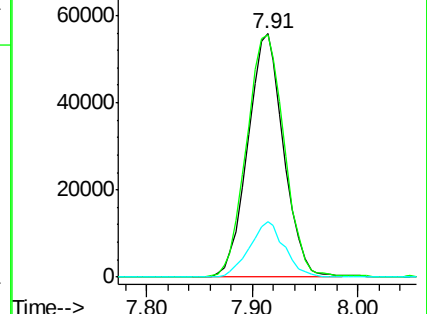
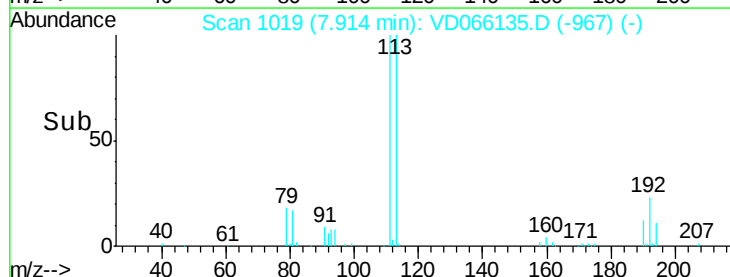
192 22.4 18.4 27.6

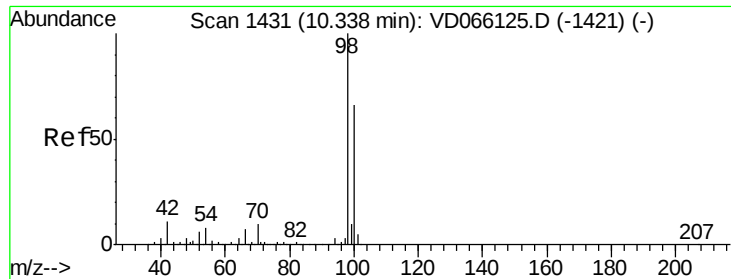


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

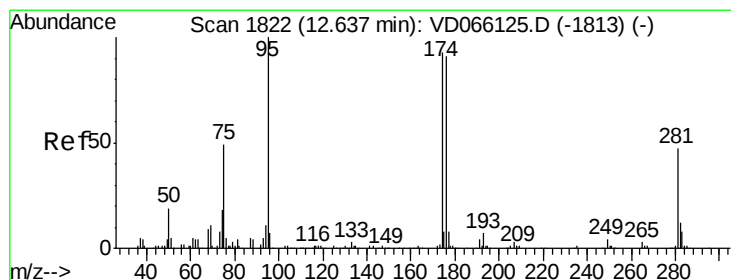
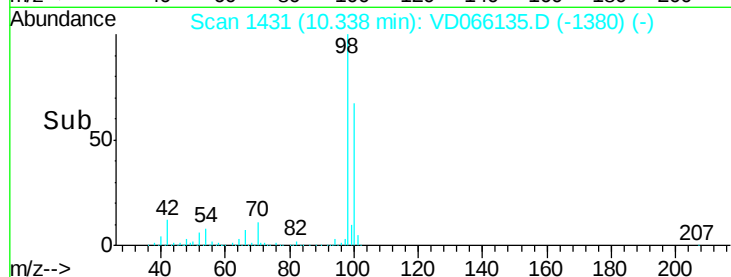
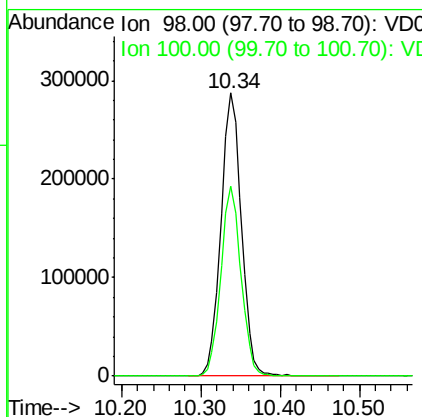
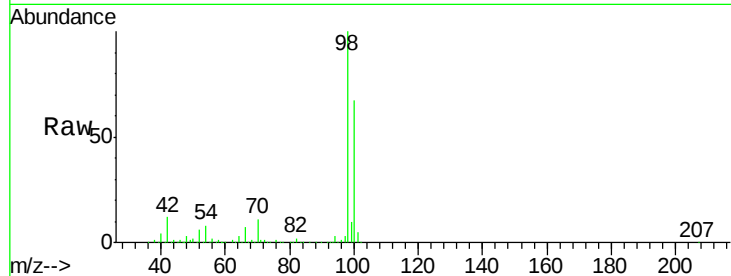




#50
Toluene-d8
Concen: 51.343 ug/l
RT: 10.34 min Scan# 1431
Delta R.T. -0.00 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

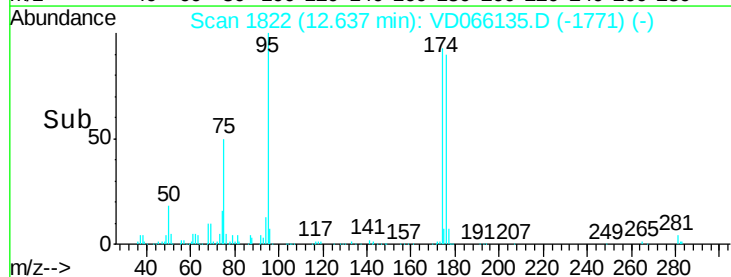
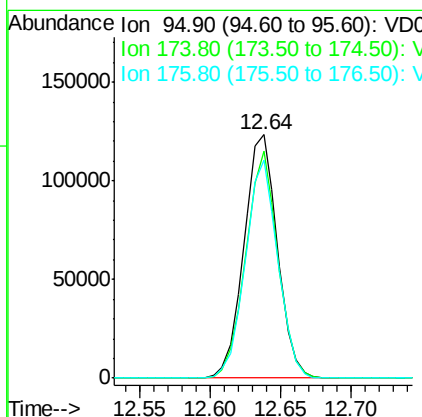
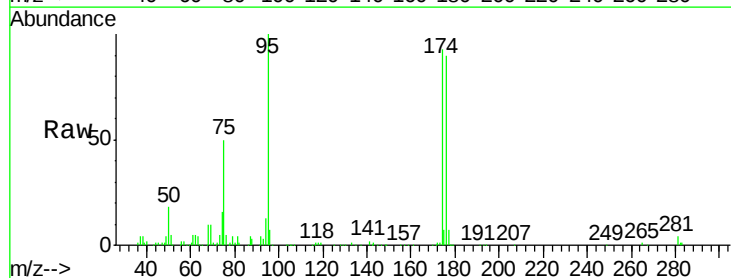
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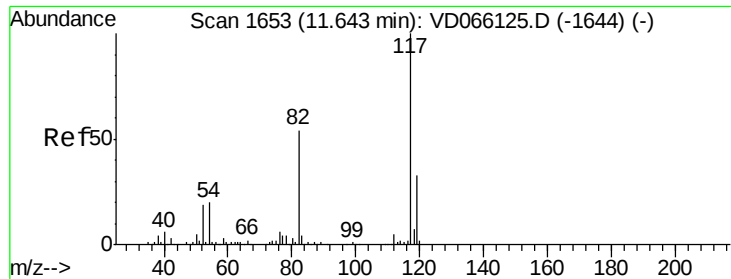
Tot Ion: 98 Resp: 514674
Ion Ratio Lower Upper
98 100
100 65.7 52.6 78.8



#62
4-Bromofluorobenzene
Concen: 56.643 ug/l
RT: 12.64 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

Tgt Ion: 95 Resp: 204670
Ion Ratio Lower Upper
95 100
174 89.6 0.0 180.8
176 87.0 0.0 181.2

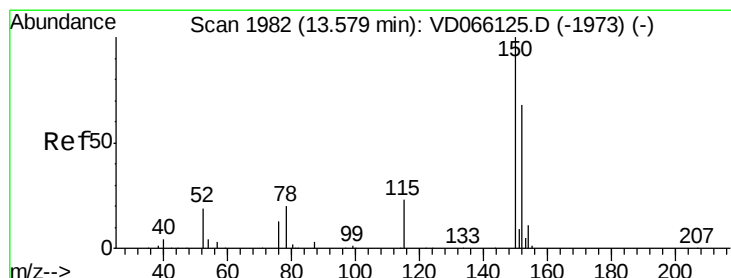
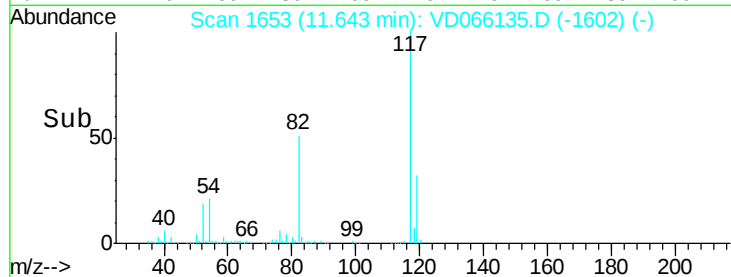
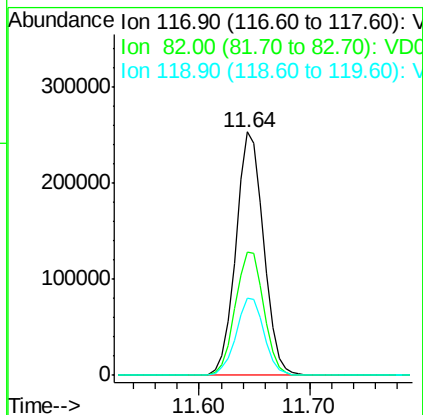
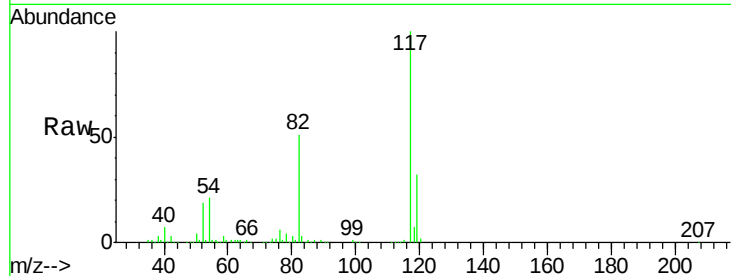




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.64 min Scan# 1653
Delta R.T. 0.00 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

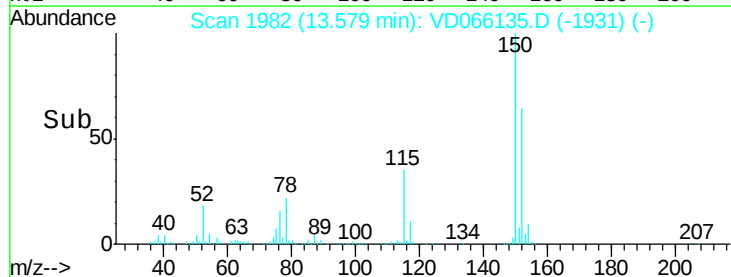
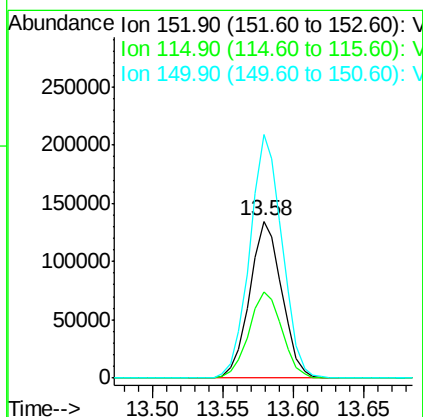
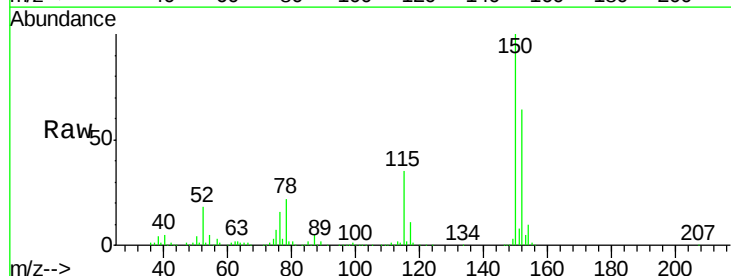
Instrument :
MSVOA_D
ClientSampleId :
SP-1-DARK-SOIL

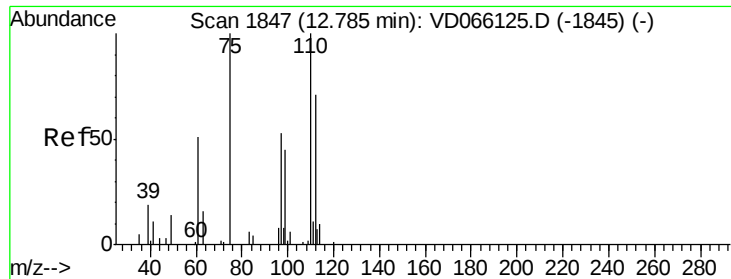
Tot Ion:117 Resp: 446187
Ion Ratio Lower Upper
117 100
82 50.7 43.0 64.4
119 31.7 26.1 39.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.58 min Scan# 1982
Delta R.T. -0.00 min
Lab File: VD066135.D
Acq: 06 Aug 2020 15:31

Tgt Ion:152 Resp: 215996
Ion Ratio Lower Upper
152 100
115 56.3 28.0 83.9
150 155.4 0.0 346.4

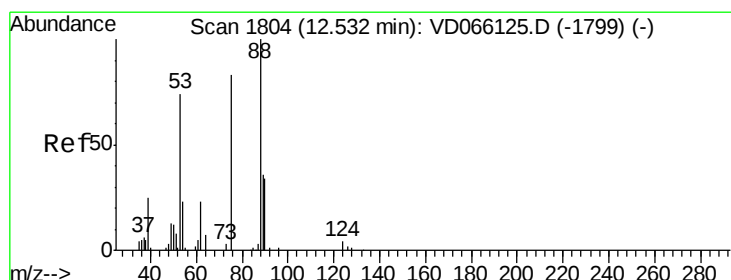
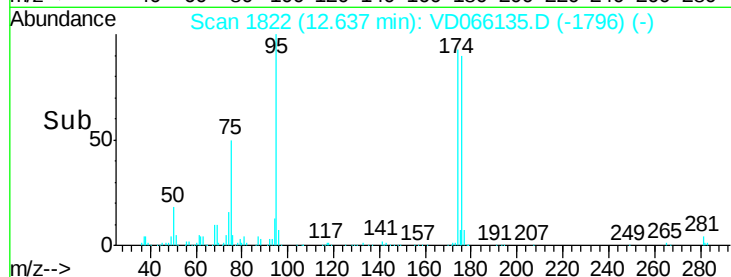
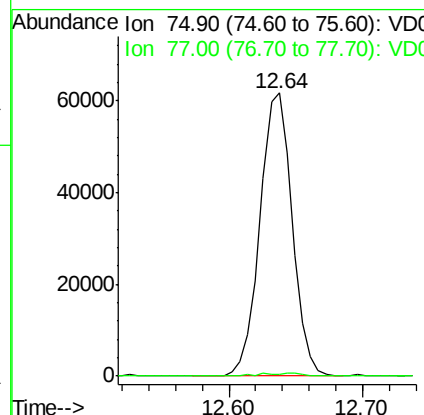
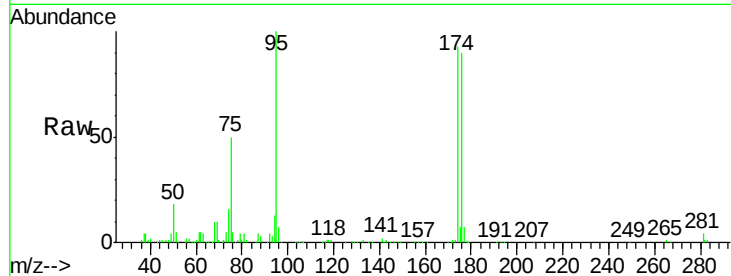




#76
 1,2,3-Trichloropropane
 Concen: 57.065 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. -0.15 min
 Lab File: VD066135.D
 Acq: 06 Aug 2020 15:31

Instrument :
 MSVOA_D
 ClientSampleId :
 SP-1-DARK-SOIL

Tot Ion: 75 Resp: 102788
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 126.145 ug/l
 RT: 12.64 min Scan# 1822
 Delta R.T. 0.11 min
 Lab File: VD066135.D
 Acq: 06 Aug 2020 15:31

Tgt Ion: 75 Resp: 102788
 Ion Ratio Lower Upper
 75 100
 53 0.0 73.4 110.2#
 89 0.1 36.6 55.0#

