

Data Path : Z:\voasrv\HPCHEM1\MSVOA_D\Data\VD111622\
 Data File : VD074946.D
 Acq On : 16 Nov 2022 14:03
 Operator : VA/SY
 Sample : N5642-01
 Misc : 6.21G/5.00ml/MSVOA_D/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_D
 ClientSampleId :
 SOIL-PILE-21

Quant Time: Nov 17 00:20:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_D\Method\82D111122S.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 14 00:51:58 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

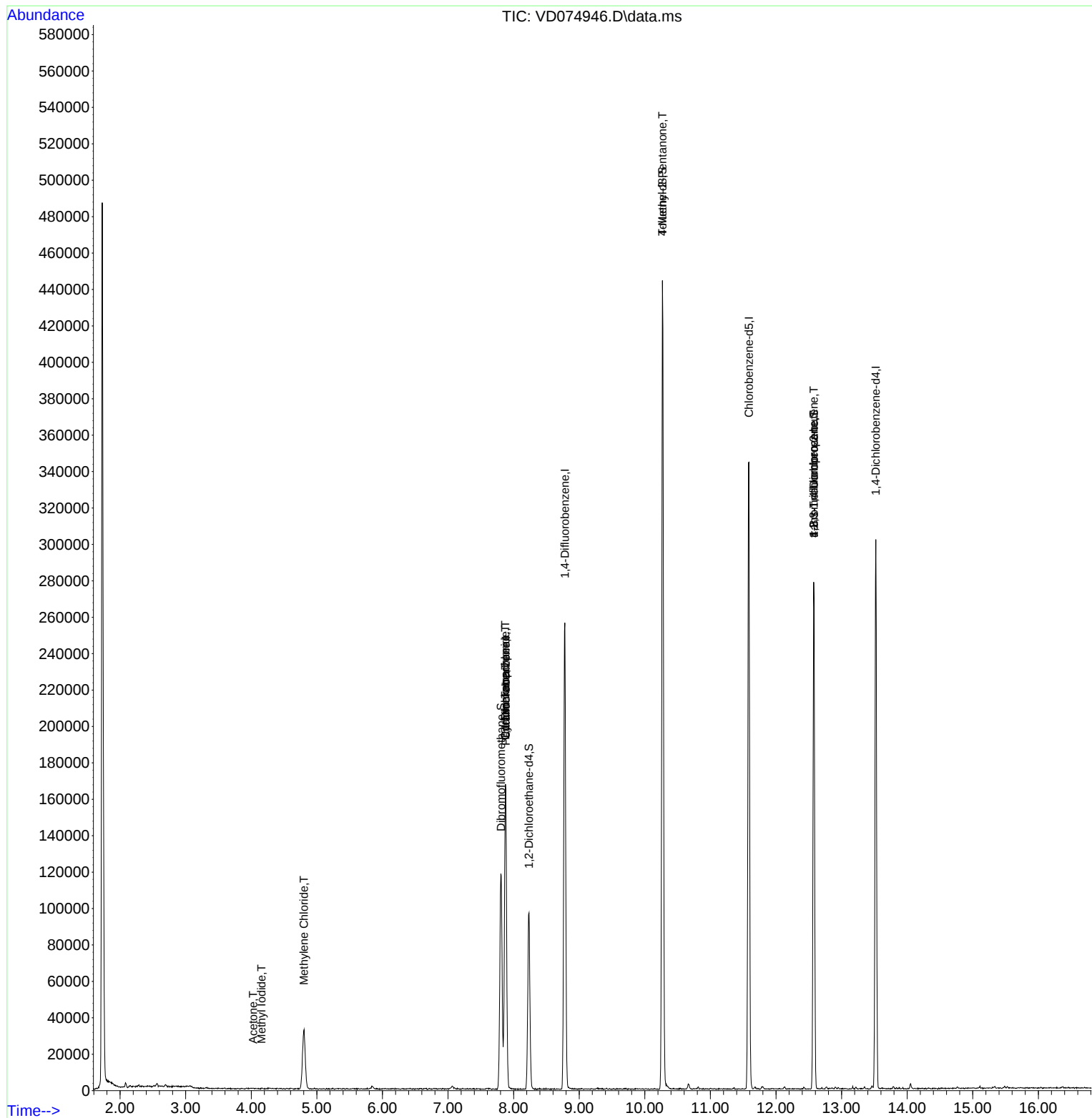
Internal Standards						
1) Pentafluorobenzene	7.881	168	136093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.781	114	247163	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.587	117	219922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.522	152	86676	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.234	65	76161	88.822	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 177.640%#	
35) Dibromofluoromethane	7.810	113	90486	59.390	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.780%	
50) Toluene-d8	10.269	98	322613	64.281	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 128.560%	
62) 4-Bromofluorobenzene	12.575	95	90484	58.714	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.420%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.934	85	267	Below Cal	#	40
3) Chloromethane	2.140	50	644	Below Cal		97
5) Bromomethane	2.699	94	720	Below Cal		98
10) Methyl Iodide	4.158	142	501	5.044	ug/l #	43
16) Acetone	4.028	43	520	2.315	ug/l #	37
20) Methylene Chloride	4.805	84	27221	1.383	ug/l	97
31) Cyclohexane	7.875	56	2902	1.463	ug/l #	26
36) 1,1-Dichloropropene	7.875	75	10032	4.480	ug/l #	46
38) Carbon Tetrachloride	7.875	117	12875	6.108	ug/l #	17
51) 4-Methyl-2-Pentanone	10.269	43	884	1.401	ug/l #	1
76) 1,2,3-Trichloropropane	12.575	75	43866	60.508	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.575	75	43866	148.852	ug/l #	17

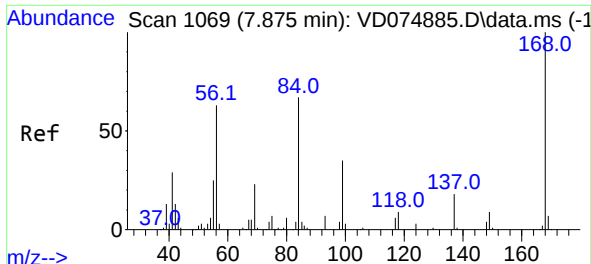
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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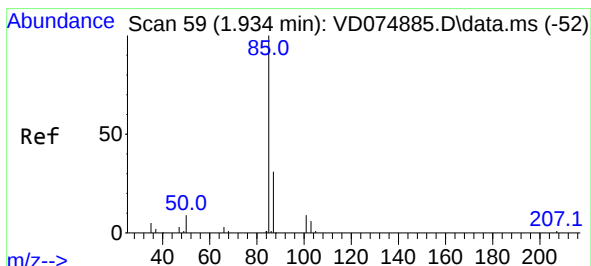
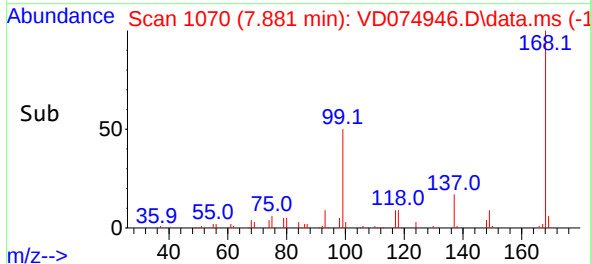
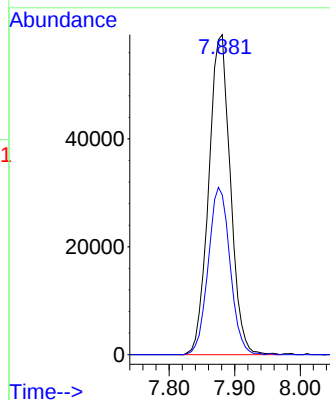
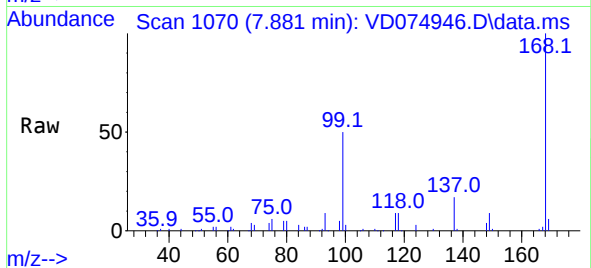




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.881 min Scan# 10
Delta R.T. 0.006 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

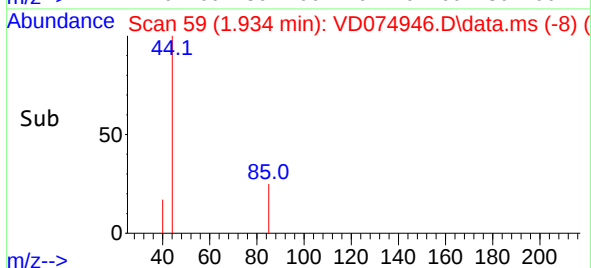
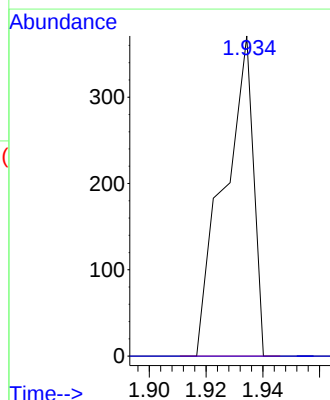
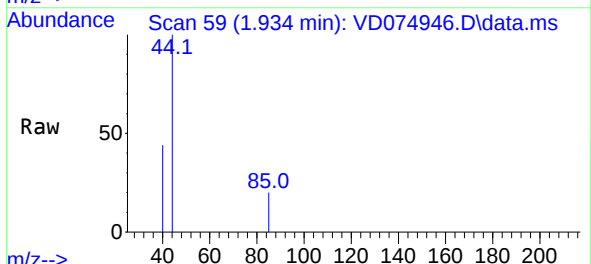
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-21

Tgt Ion:168 Resp: 136093
Ion Ratio Lower Upper
168 100
99 49.9 40.9 61.3

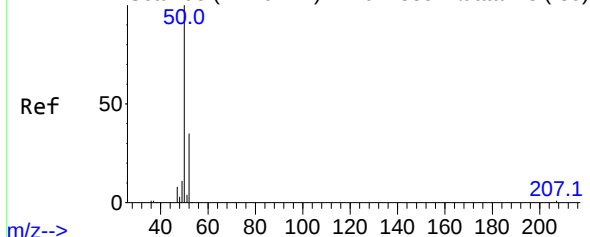


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.934 min Scan# 59
Delta R.T. 0.000 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

Tgt Ion: 85 Resp: 267
Ion Ratio Lower Upper
85 100
87 0.0 17.5 52.6#

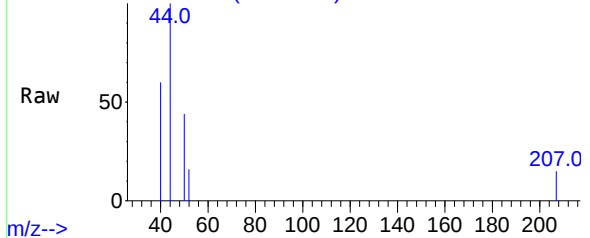


Abundance Scan 95 (2.146 min): VD074885.D\data.ms (-89)



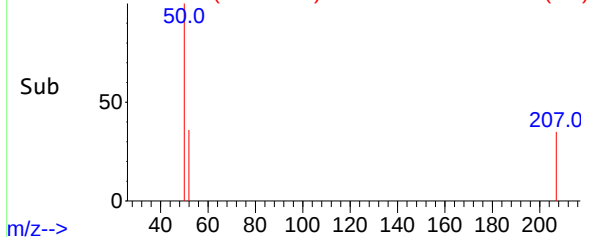
m/z-->

Abundance Scan 94 (2.140 min): VD074946.D\data.ms



m/z-->

Abundance Scan 94 (2.140 min): VD074946.D\data.ms (-44)



m/z-->

#3

Chloromethane

Concen: Below Cal

RT: 2.140 min Scan# 94

Delta R.T. -0.006 min

Lab File: VD074946.D

Acq: 16 Nov 2022 14:03

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-21

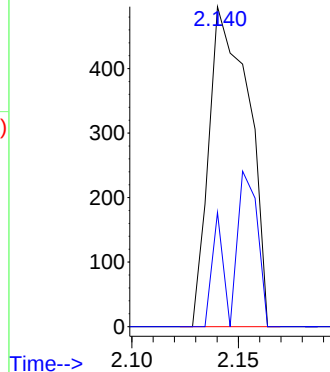
Tgt Ion: 50 Resp: 644

Ion Ratio Lower Upper

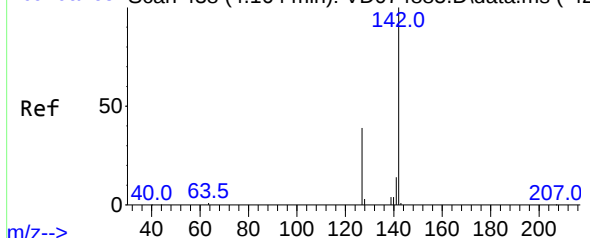
50 100

52 35.7 30.0 45.0

Abundance

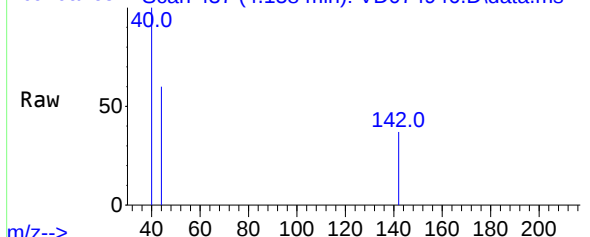


Abundance Scan 438 (4.164 min): VD074885.D\data.ms (-42)



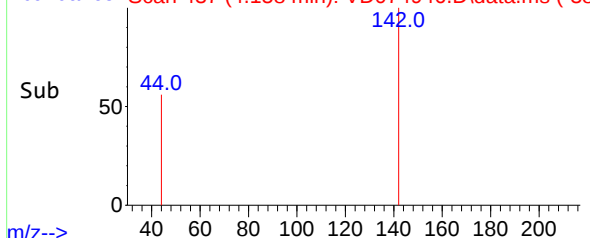
m/z-->

Abundance Scan 437 (4.158 min): VD074946.D\data.ms



m/z-->

Abundance Scan 437 (4.158 min): VD074946.D\data.ms (-38)



m/z-->

#10

Methyl Iodide

Concen: 5.044 ug/l

RT: 4.158 min Scan# 437

Delta R.T. -0.006 min

Lab File: VD074946.D

Acq: 16 Nov 2022 14:03

Tgt Ion: 142 Resp: 501

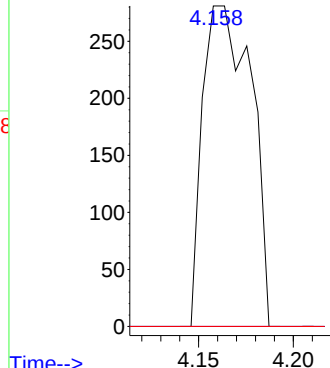
Ion Ratio Lower Upper

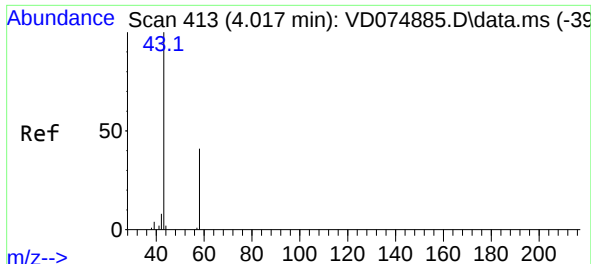
142 100

127 0.0 31.9 47.9#

141 0.0 11.4 17.2#

Abundance

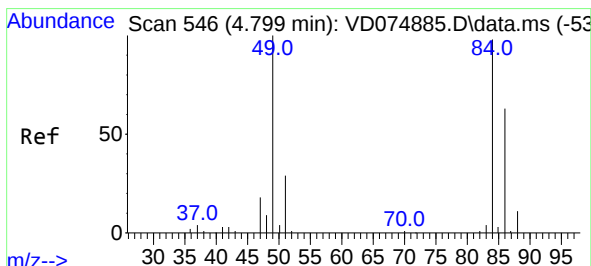
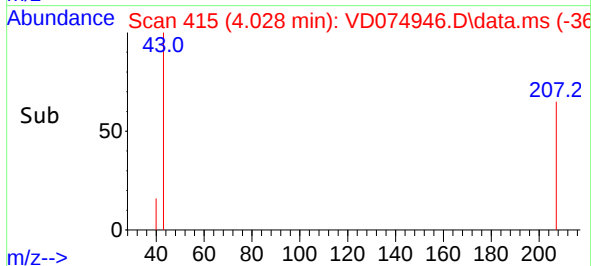
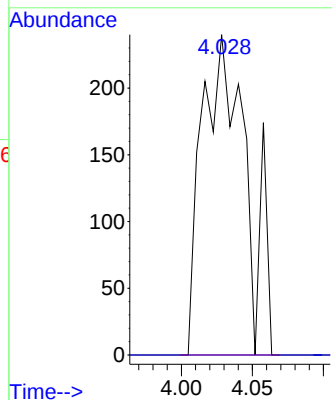
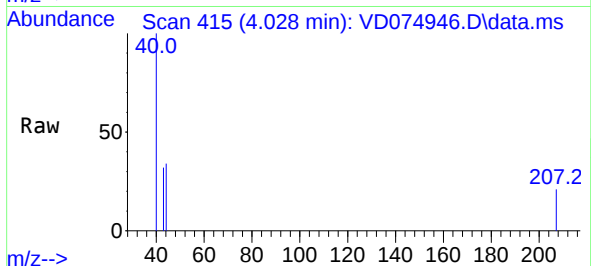




#16
Acetone
Concen: 2.315 ug/l
RT: 4.028 min Scan# 41
Delta R.T. 0.011 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

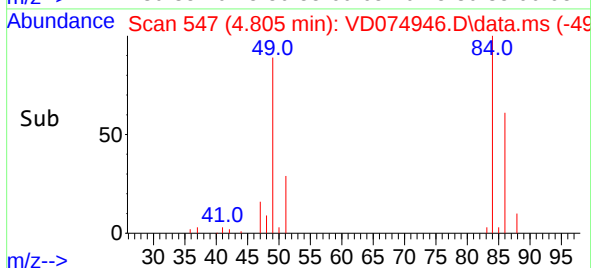
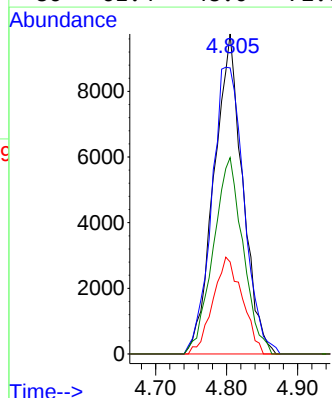
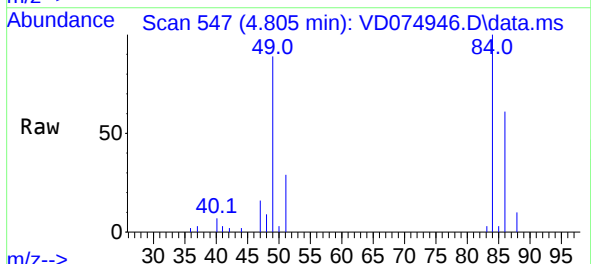
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-21

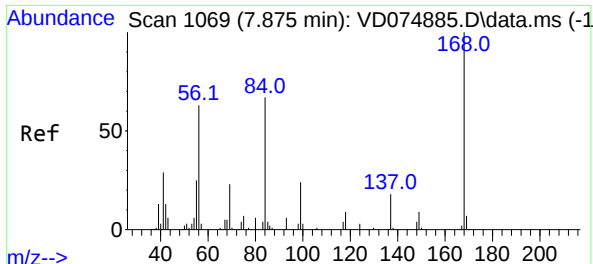
Tgt Ion: 43 Resp: 520
Ion Ratio Lower Upper
43 100
58 0.0 30.2 45.2#



#20
Methylene Chloride
Concen: 1.383 ug/l
RT: 4.805 min Scan# 547
Delta R.T. 0.006 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

Tgt Ion: 84 Resp: 27221
Ion Ratio Lower Upper
84 100
49 89.4 68.0 102.0
51 28.7 23.2 34.8
86 61.4 48.0 72.0





#31

Cyclohexane

Concen: 1.463 ug/l

RT: 7.875 min Scan# 1130

Delta R.T. 0.000 min

Lab File: VD074946.D

Acq: 16 Nov 2022 14:03

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-21

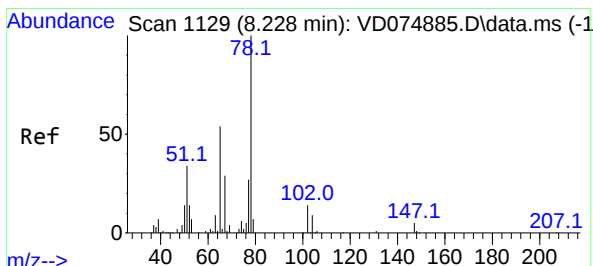
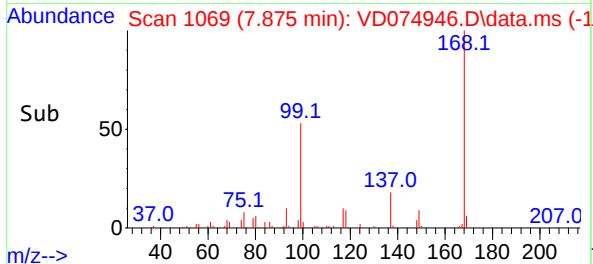
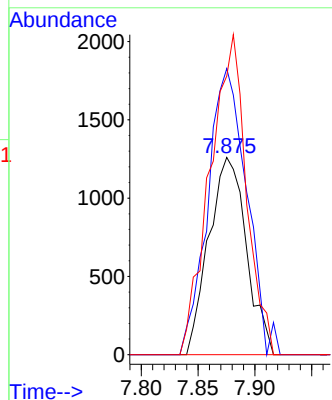
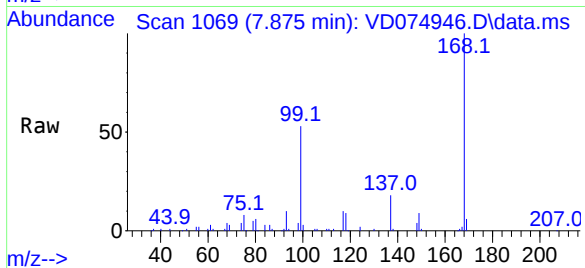
Tgt Ion: 56 Resp: 2902

Ion Ratio Lower Upper

56 100

69 145.0 29.2 43.8#

84 141.2 83.4 125.2#



#33

1,2-Dichloroethane-d4

Concen: 88.822 ug/l

RT: 8.234 min Scan# 1130

Delta R.T. 0.006 min

Lab File: VD074946.D

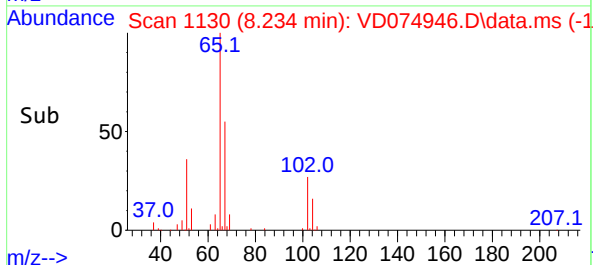
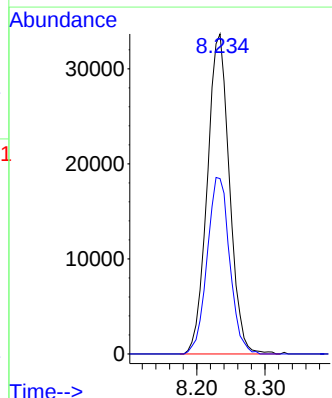
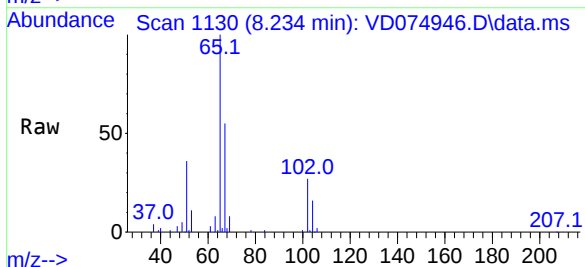
Acq: 16 Nov 2022 14:03

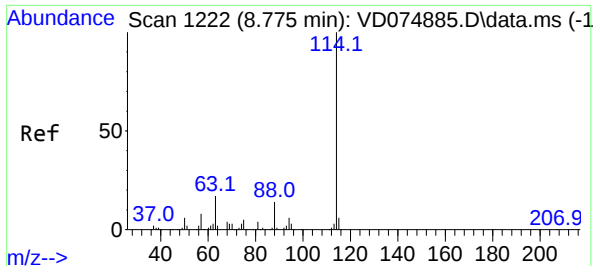
Tgt Ion: 65 Resp: 76161

Ion Ratio Lower Upper

65 100

67 56.1 0.0 110.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.781 min Scan# 11

Delta R.T. 0.006 min

Lab File: VD074946.D

Acq: 16 Nov 2022 14:03

Instrument :

MSVOA_D

ClientSampleId :

SOIL-PILE-21

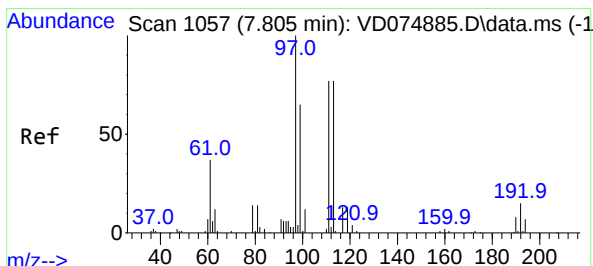
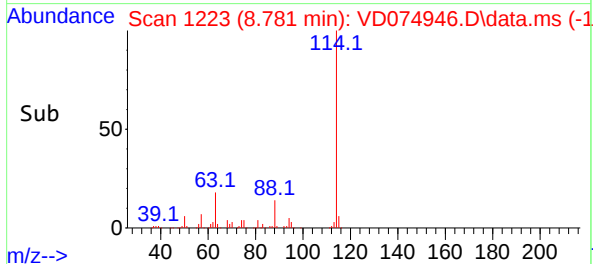
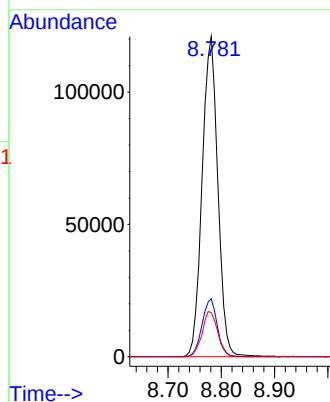
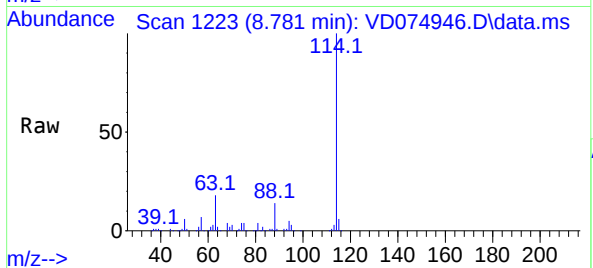
Tgt Ion:114 Resp: 247163

Ion Ratio Lower Upper

114 100

63 18.1 0.0 33.2

88 13.8 0.0 28.2



#35

Dibromofluoromethane

Concen: 59.390 ug/l

RT: 7.810 min Scan# 1058

Delta R.T. 0.005 min

Lab File: VD074946.D

Acq: 16 Nov 2022 14:03

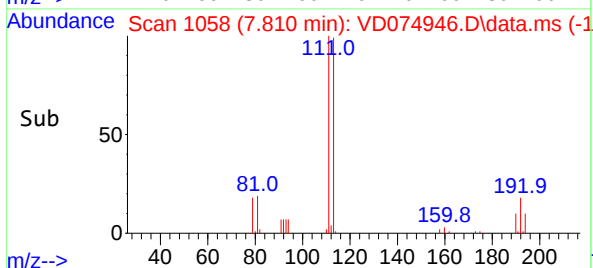
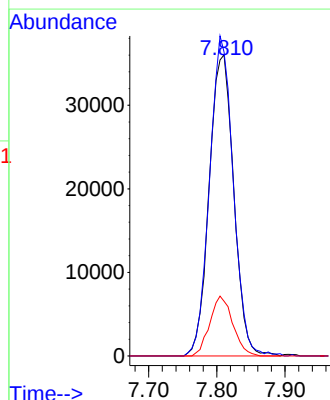
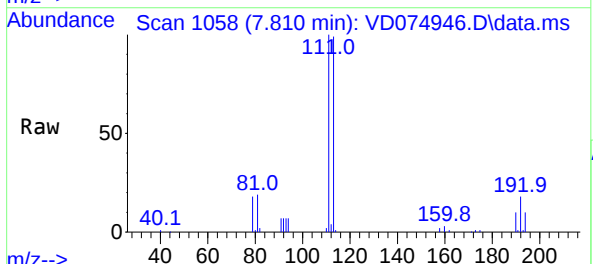
Tgt Ion:113 Resp: 90486

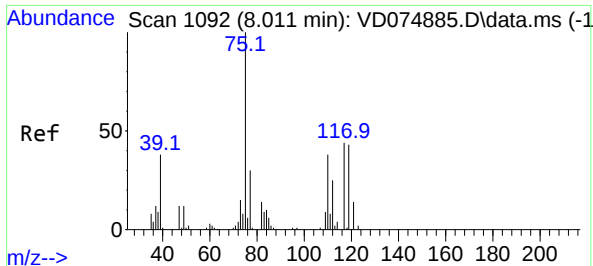
Ion Ratio Lower Upper

113 100

111 102.4 82.3 123.5

192 18.6 16.4 24.6

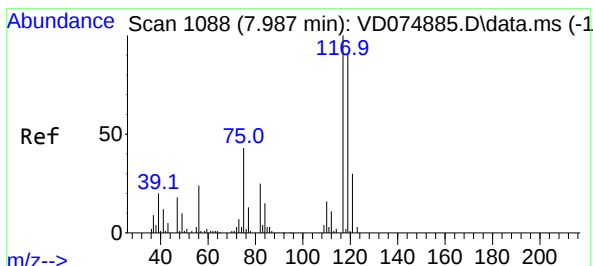
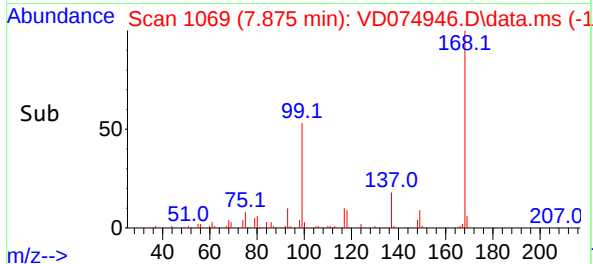
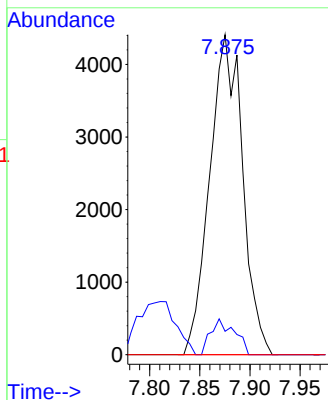
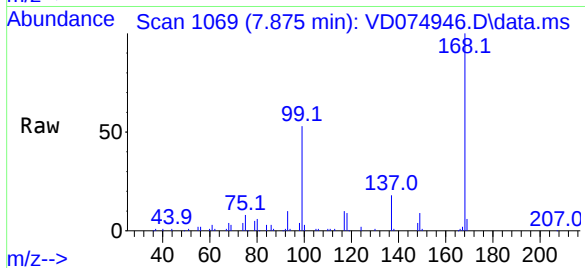




#36
1,1-Dichloropropene
Concen: 4.480 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.136 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

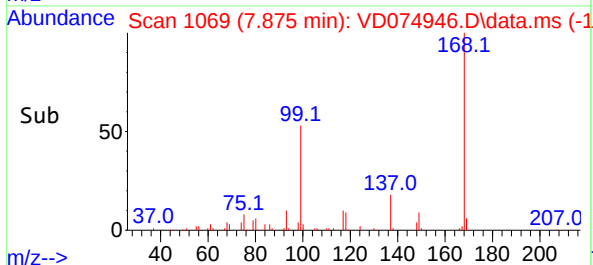
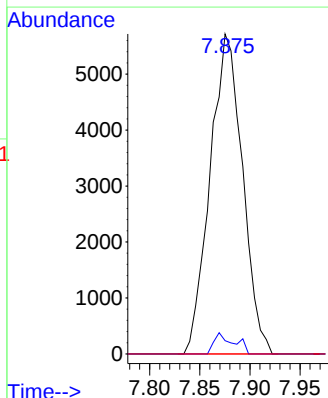
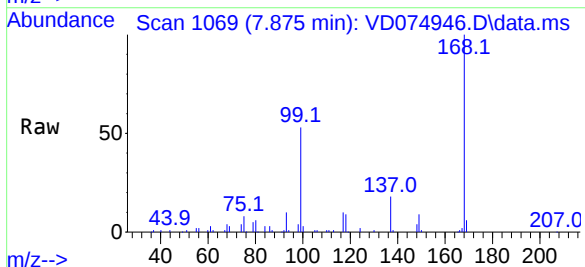
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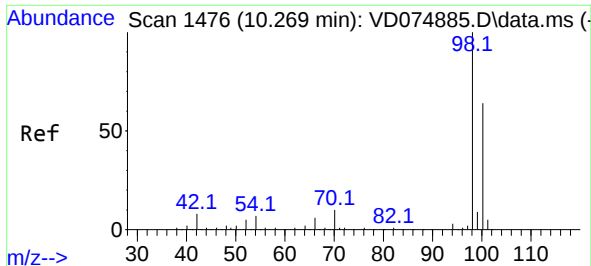
Tgt Ion: 75 Resp: 10032
Ion Ratio Lower Upper
75 100
110 8.1 19.7 59.0#
77 0.0 25.4 38.2#



#38
Carbon Tetrachloride
Concen: 6.108 ug/l
RT: 7.875 min Scan# 1069
Delta R.T. -0.112 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

Tgt Ion: 117 Resp: 12875
Ion Ratio Lower Upper
117 100
119 4.2 73.1 109.7#
121 0.0 25.0 37.6#

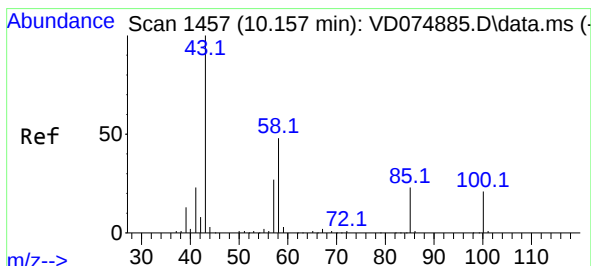
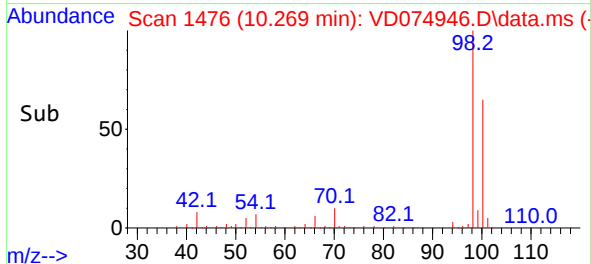
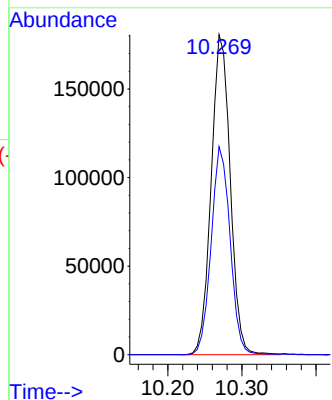
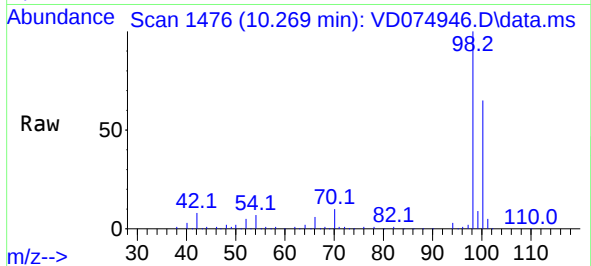




#50
Toluene-d8
Concen: 64.281 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.000 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

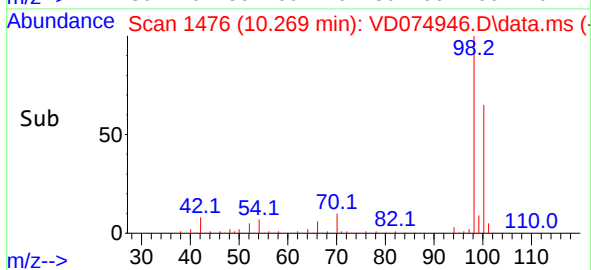
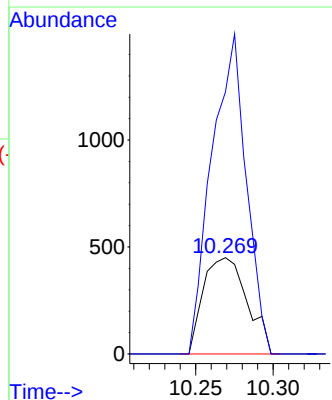
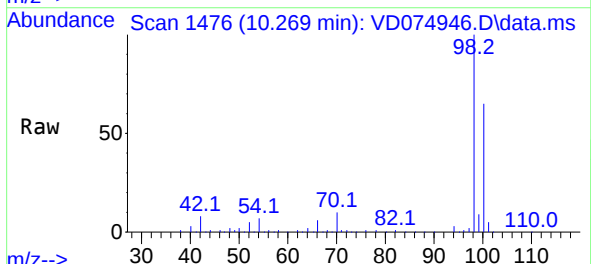
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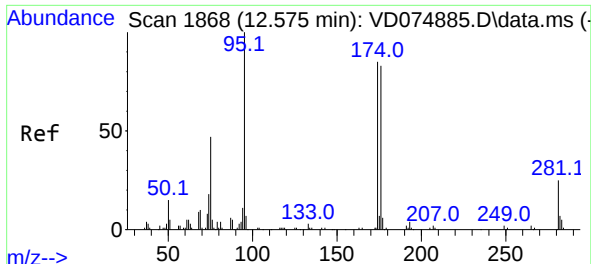
Tgt Ion: 98 Resp: 322613
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#51
4-Methyl-2-Pentanone
Concen: 1.401 ug/l
RT: 10.269 min Scan# 1476
Delta R.T. 0.112 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

Tgt Ion: 43 Resp: 884
Ion Ratio Lower Upper
43 100
58 262.3 37.8 56.6#

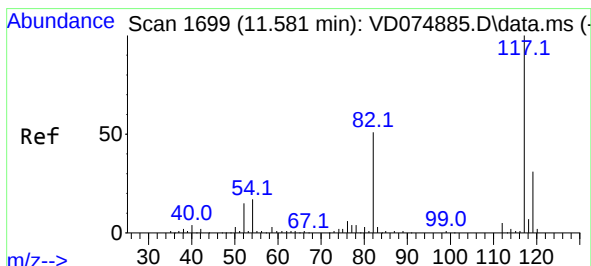
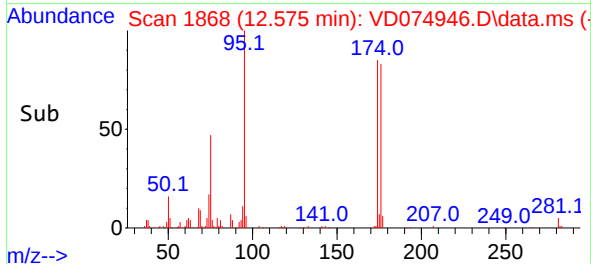
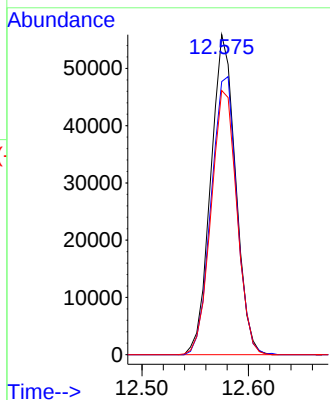
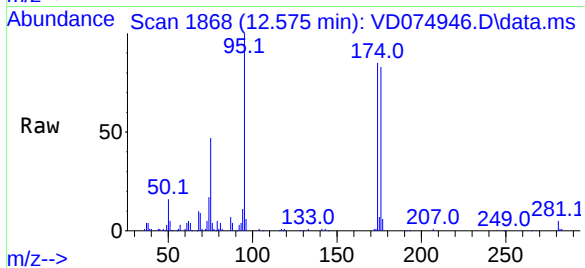




#62
4-Bromofluorobenzene
Concen: 58.714 ug/l
RT: 12.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

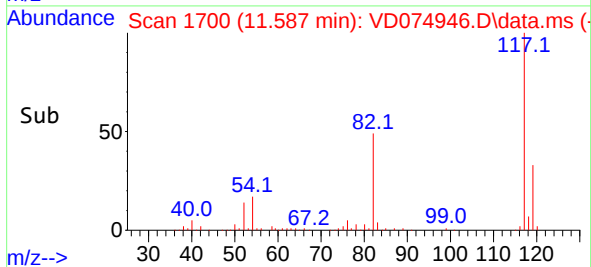
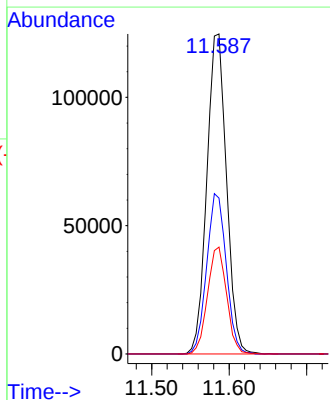
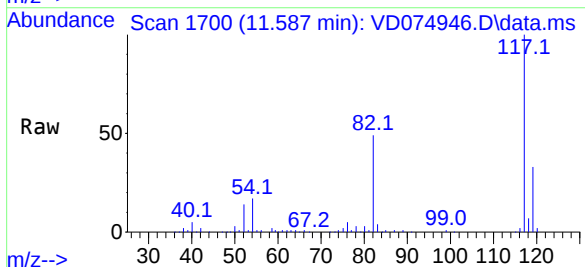
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-21

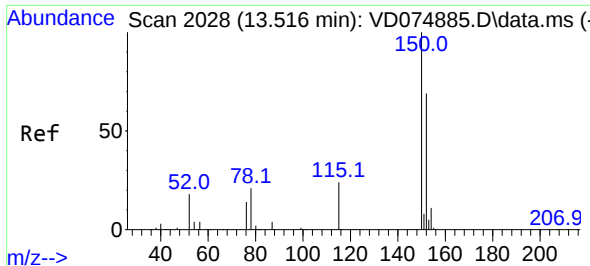
Tgt Ion:	95	Resp:	90484
Ion	Ratio	Lower	Upper
95	100		
174	89.6	0.0	197.0
176	85.5	0.0	182.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.587 min Scan# 1700
Delta R.T. 0.006 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

Tgt Ion:	117	Resp:	219922
Ion	Ratio	Lower	Upper
117	100		
82	48.7	41.6	62.4
119	33.4	25.2	37.8

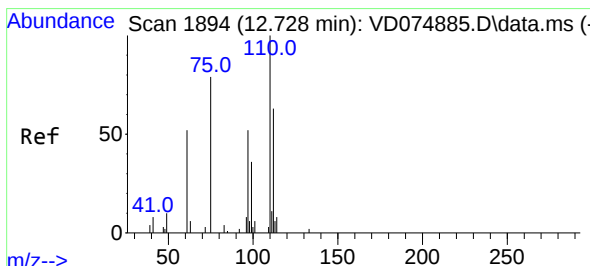
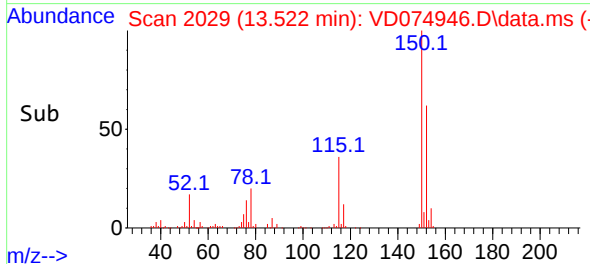
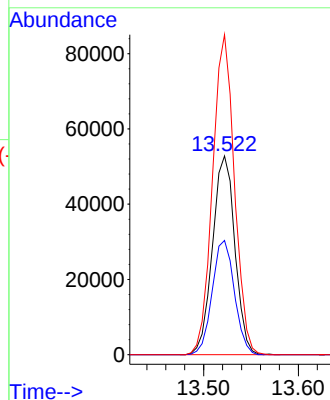
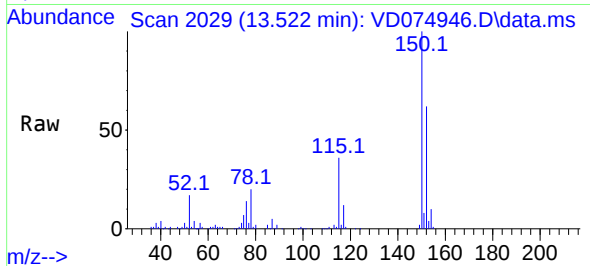




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.522 min Scan# 20
Delta R.T. 0.006 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

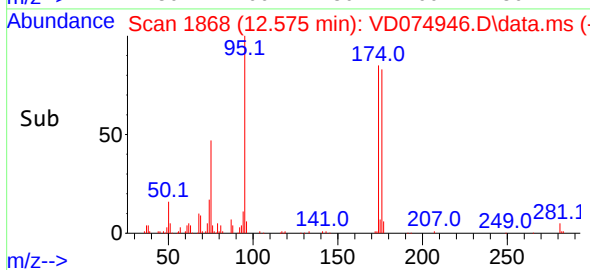
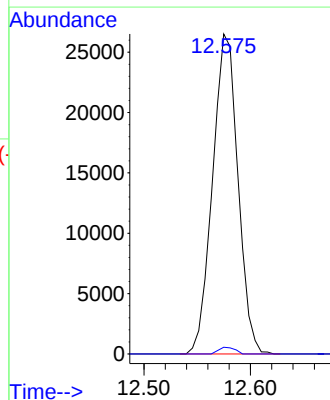
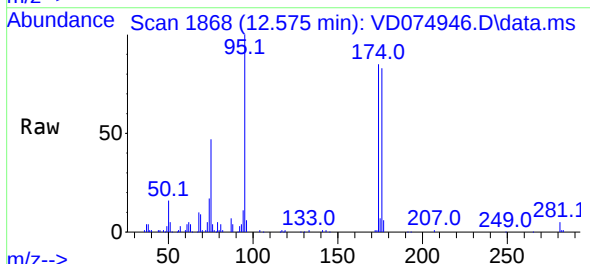
Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-21

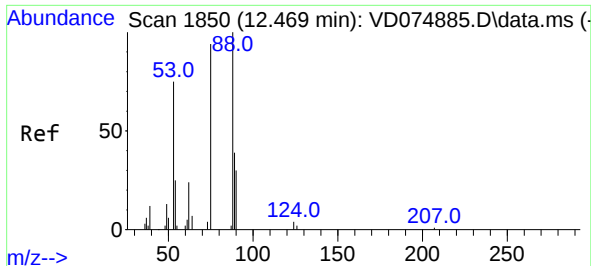
Tgt Ion:152 Resp: 86676
Ion Ratio Lower Upper
152 100
115 57.1 26.8 80.4
150 157.4 0.0 348.2



#76
1,2,3-Trichloropropane
Concen: 60.508 ug/l
RT: 12.575 min Scan# 1868
Delta R.T. -0.153 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

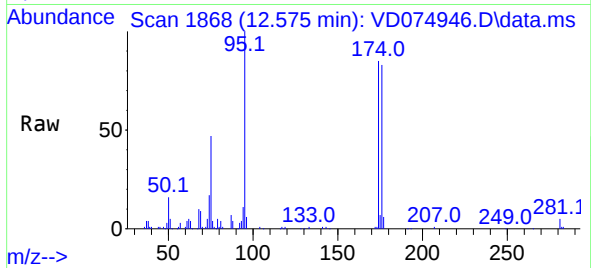
Tgt Ion: 75 Resp: 43866
Ion Ratio Lower Upper
75 100
77 1.4 185.8 557.5#





#81
trans-1,4-Dichloro-2-butene
Concen: 148.852 ug/l
RT: 12.575 min Scan# 11
Delta R.T. 0.106 min
Lab File: VD074946.D
Acq: 16 Nov 2022 14:03

Instrument :
MSVOA_D
ClientSampleId :
SOIL-PILE-21



Tgt Ion: 75 Resp: 43866
Ion Ratio Lower Upper
75 100
53 0.0 63.8 95.6#
89 0.0 38.2 57.4#

