

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007183.D
 Acq On : 17 Jan 2022 13:03
 Operator : SY/MD
 Sample : N1152-01
 Misc : 5.37/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VACLOT-TOPSOIL-01

Quant Time: Jan 18 03:08:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

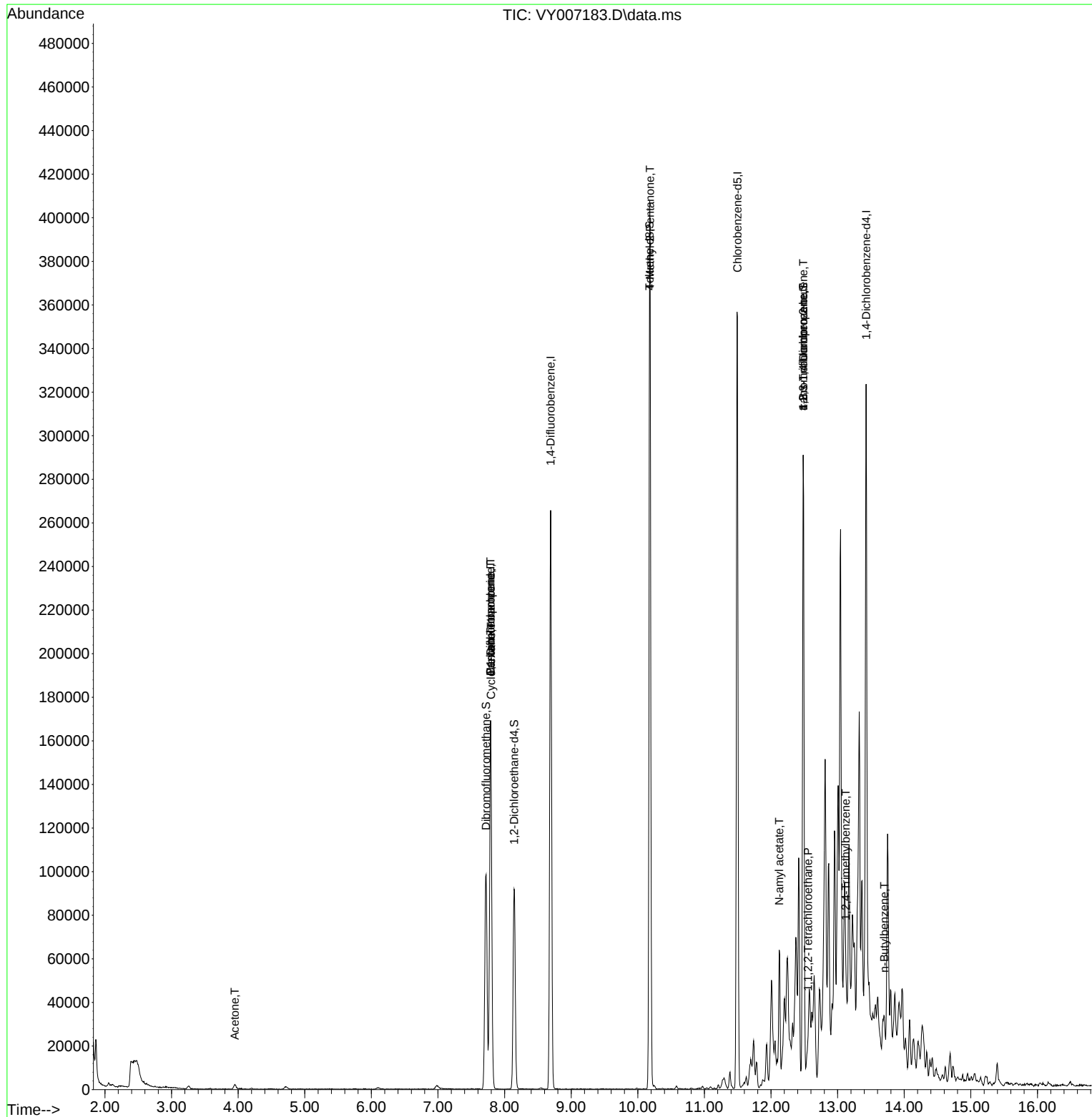
Internal Standards						
1) Pentafluorobenzene	7.789	168	122383	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	223521	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	194098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	75675	50.394	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.780%			
35) Dibromofluoromethane	7.722	113	72278	47.821	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 95.640%			
50) Toluene-d8	10.179	98	267933	48.515	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.040%			
62) 4-Bromofluorobenzene	12.483	95	87098	44.336	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 88.680%			
Target Compounds						
11) Tert butyl alcohol	4.960	59	26	Below Cal	#	73
16) Acetone	3.948	43	3750	9.622	ug/l	97
31) Cyclohexane	7.795	56	3093	1.218	ug/l #	36
36) 1,1-Dichloropropene	7.789	75	10503	4.351	ug/l #	49
38) Carbon Tetrachloride	7.789	117	13051	5.140	ug/l #	15
51) 4-Methyl-2-Pentanone	10.185	43	1265	1.035	ug/l #	1
74) N-amyl acetate	12.124	43	11461	7.063	ug/l #	58
75) 1,1,2,2-Tetrachloroethane	12.556	83	1235	1.047	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	45541	56.846	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45541	104.070	ug/l #	5
84) 1,2,4-Trimethylbenzene	13.123	105	5655	1.145	ug/l	98
89) n-Butylbenzene	13.702	91	6442	1.236	ug/l #	80

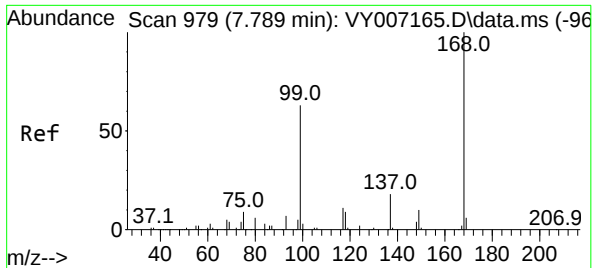
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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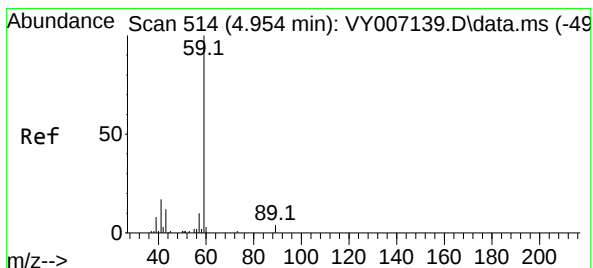
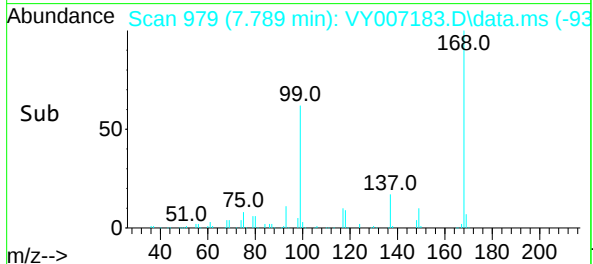
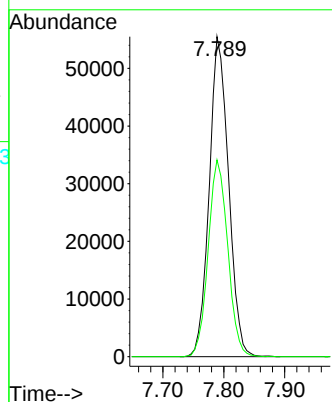
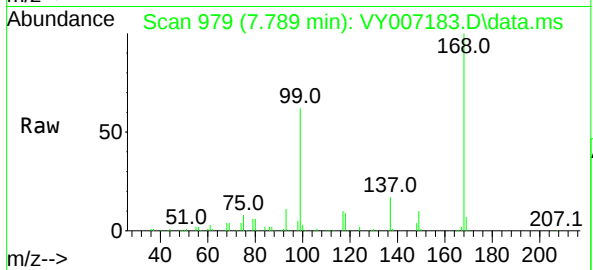




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

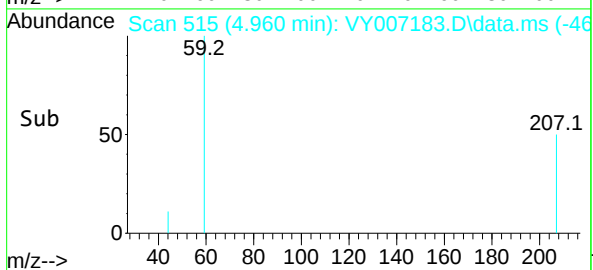
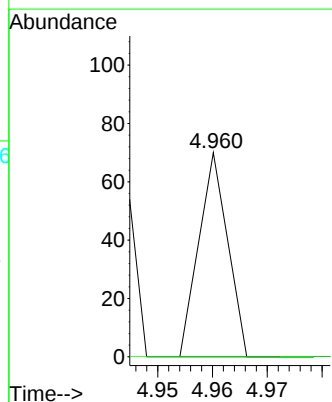
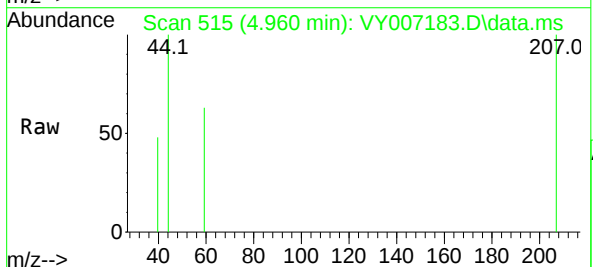
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

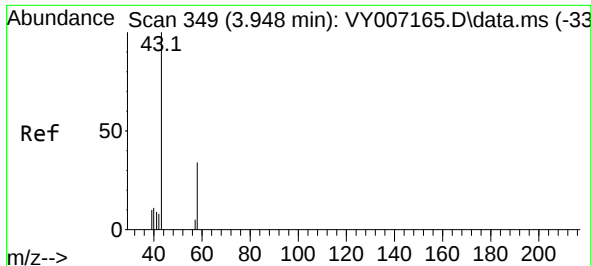
Tgt Ion:168 Resp: 122383
Ion Ratio Lower Upper
168 100
99 61.5 49.1 73.7



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.006 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion: 59 Resp: 26
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 9.622 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.000 min

Lab File: VY007183.D

Acq: 17 Jan 2022 13:03

Instrument :

MSVOA_Y

ClientSampleId :

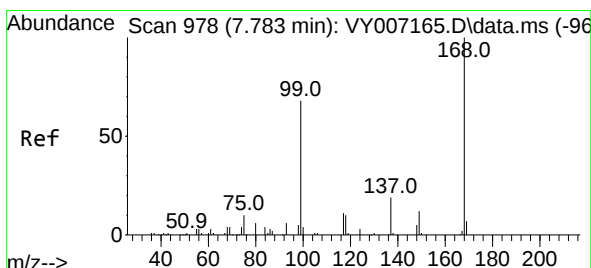
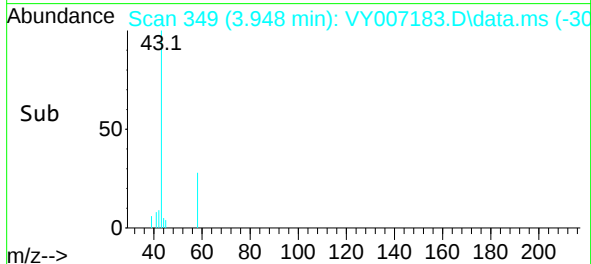
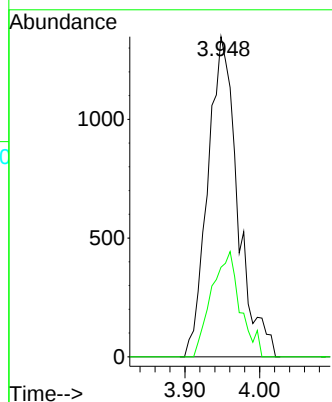
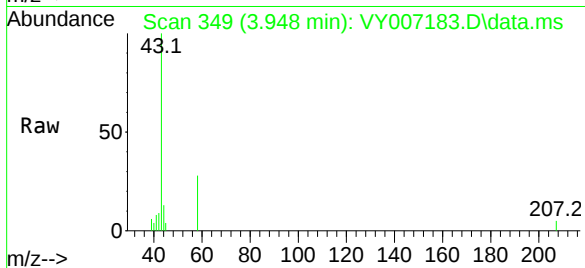
VACLOT-TOPSOIL-01

Tgt Ion: 43 Resp: 3750

Ion Ratio Lower Upper

43 100

58 28.0 23.8 35.6



#31

Cyclohexane

Concen: 1.218 ug/l

RT: 7.795 min Scan# 980

Delta R.T. 0.006 min

Lab File: VY007183.D

Acq: 17 Jan 2022 13:03

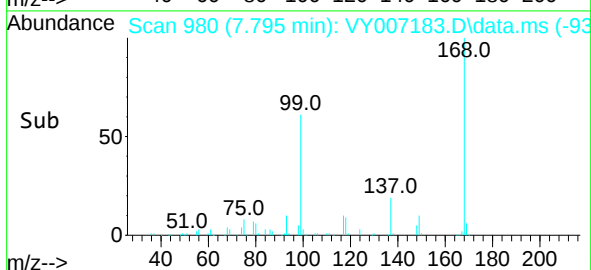
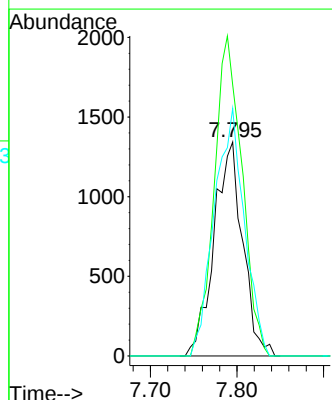
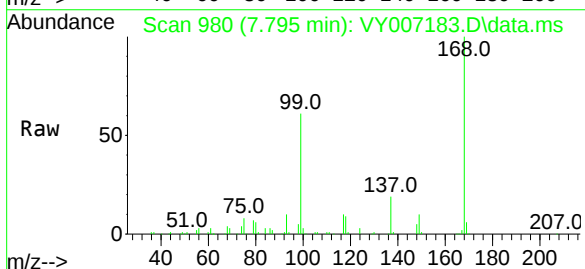
Tgt Ion: 56 Resp: 3093

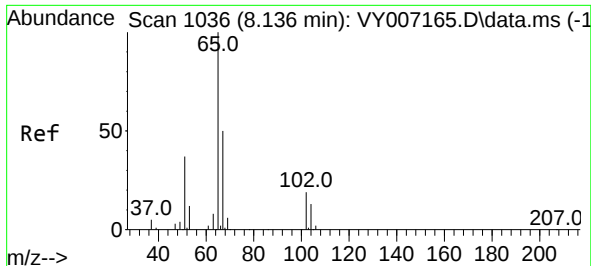
Ion Ratio Lower Upper

56 100

69 126.8 27.2 40.8#

84 115.7 72.1 108.1#





#33

1,2-Dichloroethane-d4

Concen: 50.394 ug/l

RT: 8.143 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY007183.D

Acq: 17 Jan 2022 13:03

Instrument :

MSVOA_Y

ClientSampleId :

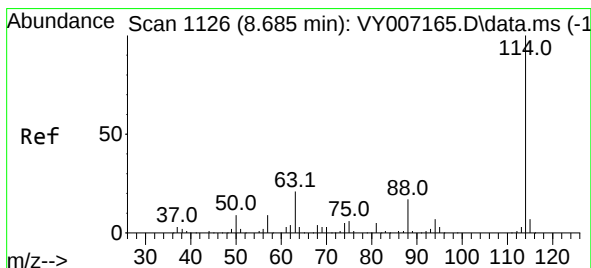
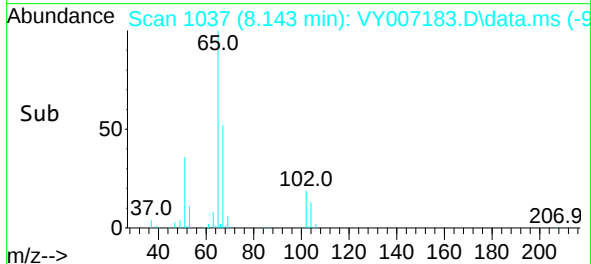
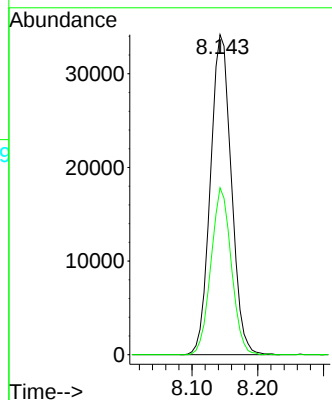
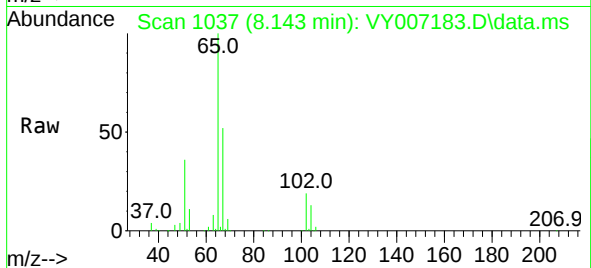
VACLOT-TOPSOIL-01

Tgt Ion: 65 Resp: 75675

Ion Ratio Lower Upper

65 100

67 50.6 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007183.D

Acq: 17 Jan 2022 13:03

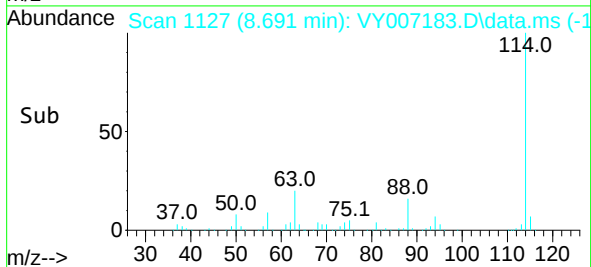
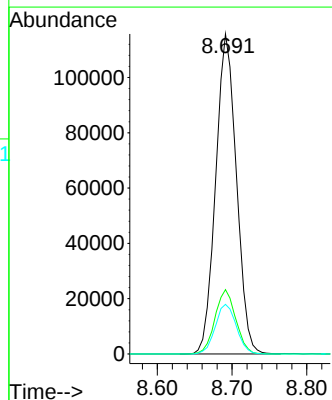
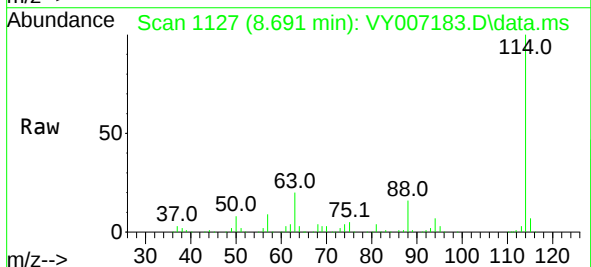
Tgt Ion: 114 Resp: 223521

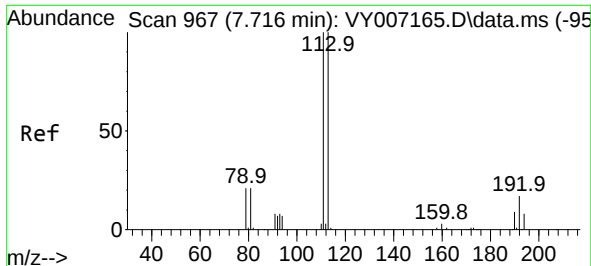
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.2

88 15.5 0.0 31.0

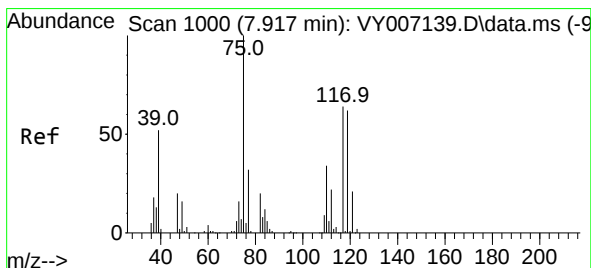
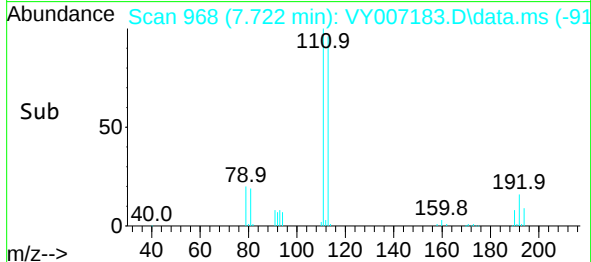
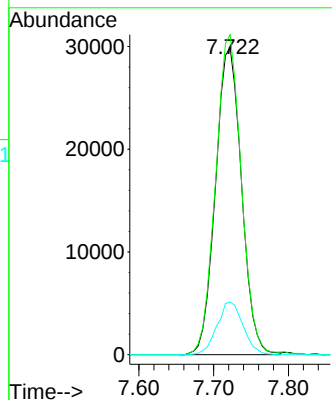
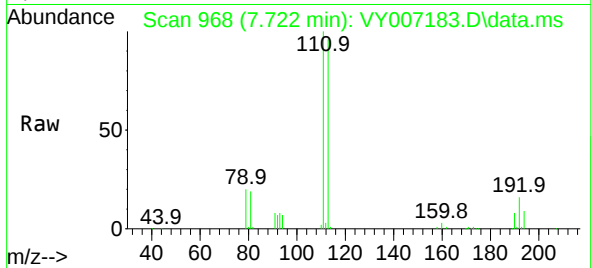




#35
Dibromofluoromethane
Concen: 47.821 ug/l
RT: 7.722 min Scan# 90
Delta R.T. 0.006 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

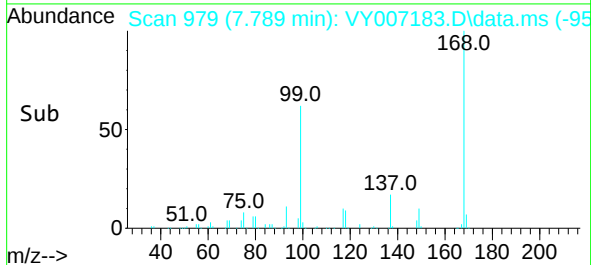
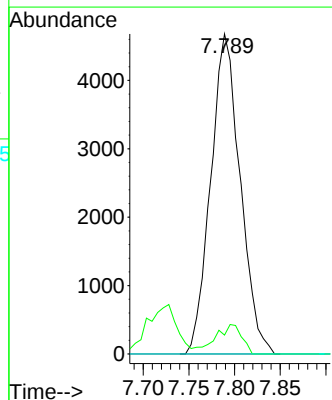
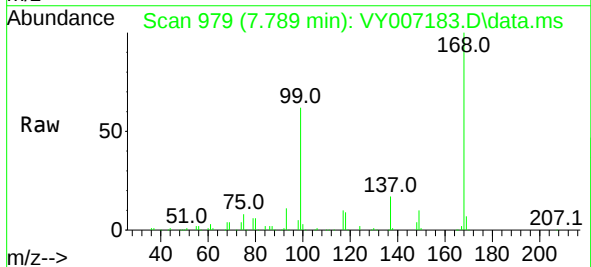
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

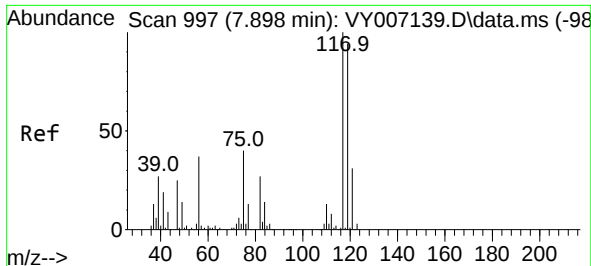
Tgt Ion:113 Resp: 72278
Ion Ratio Lower Upper
113 100
111 103.5 82.2 123.4
192 17.2 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.351 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

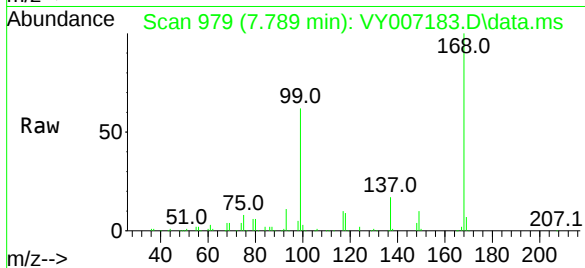
Tgt Ion: 75 Resp: 10503
Ion Ratio Lower Upper
75 100
110 8.1 17.3 51.9#
77 0.0 24.7 37.1#



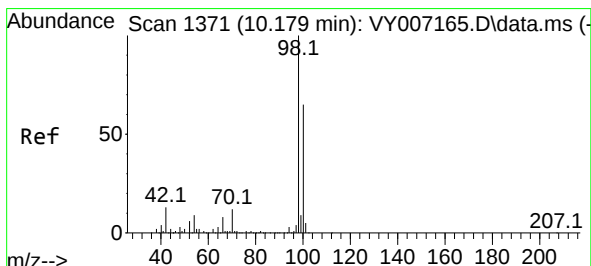
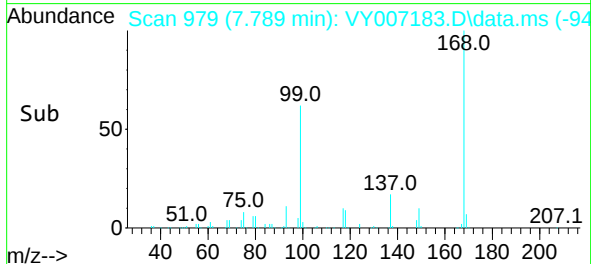
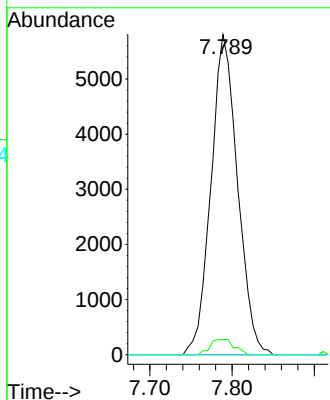


#38
Carbon Tetrachloride
Concen: 5.140 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

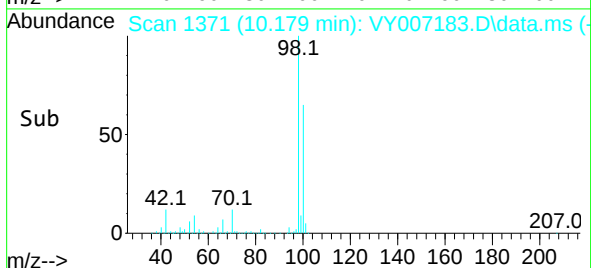
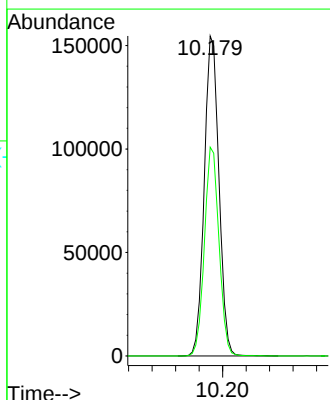
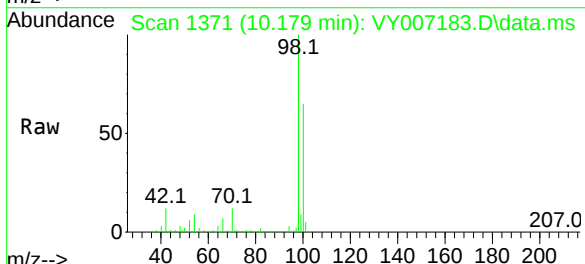


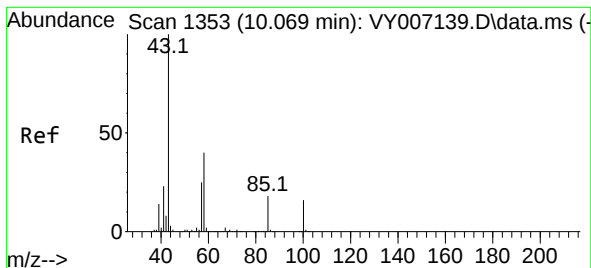
Tgt Ion:117 Resp: 13051
Ion Ratio Lower Upper
117 100
119 4.7 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 48.515 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion: 98 Resp: 267933
Ion Ratio Lower Upper
98 100
100 64.8 52.2 78.2

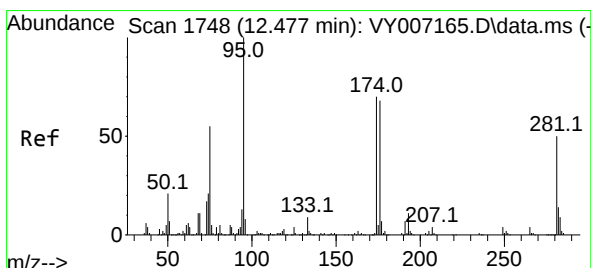
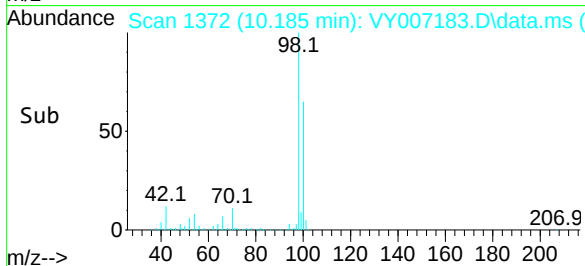
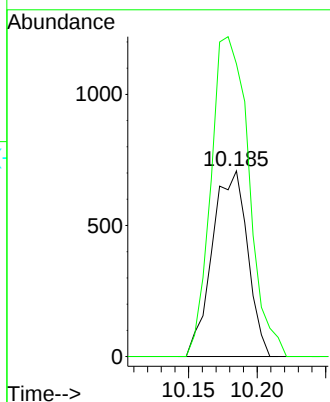
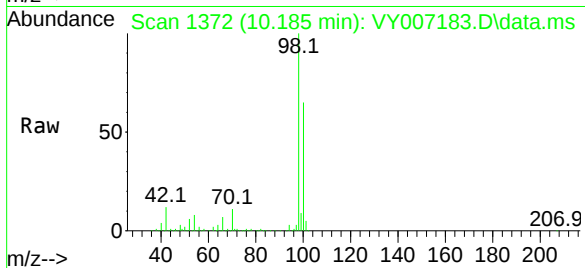




#51
4-Methyl-2-Pentanone
Concen: 1.035 ug/l
RT: 10.185 min Scan# 11
Delta R.T. 0.116 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

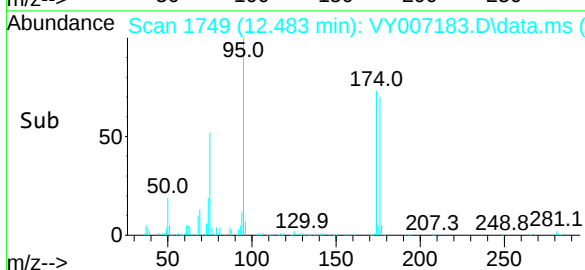
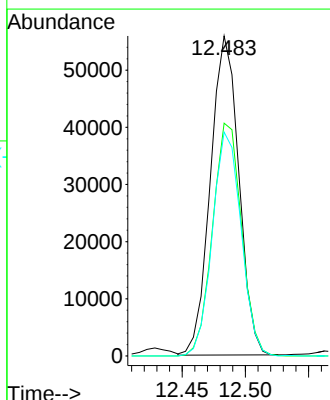
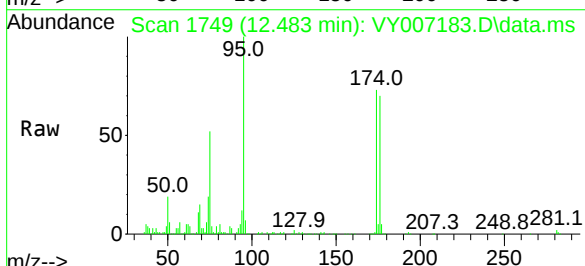
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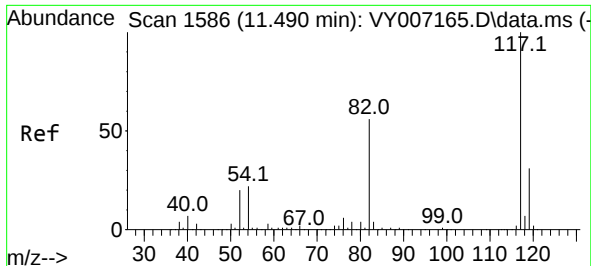
Tgt Ion: 43 Resp: 1265
Ion Ratio Lower Upper
43 100
58 185.1 32.8 49.2#



#62
4-Bromofluorobenzene
Concen: 44.336 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion: 95 Resp: 87098
Ion Ratio Lower Upper
95 100
174 74.2 0.0 148.4
176 70.9 0.0 146.6

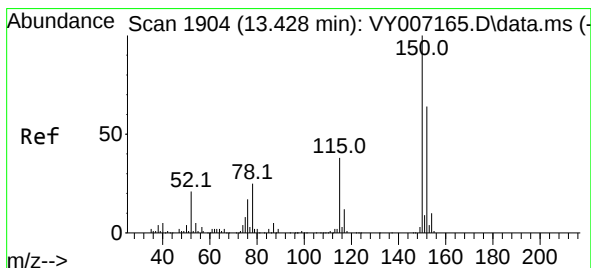
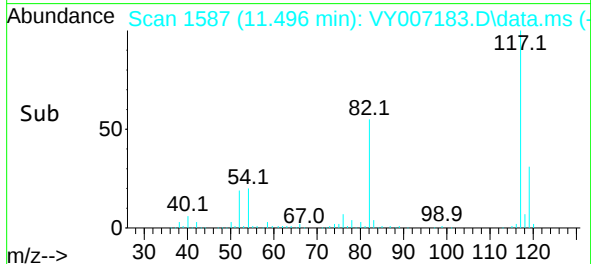
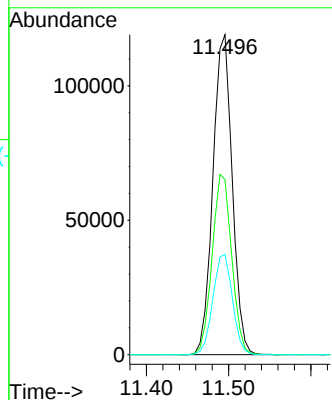
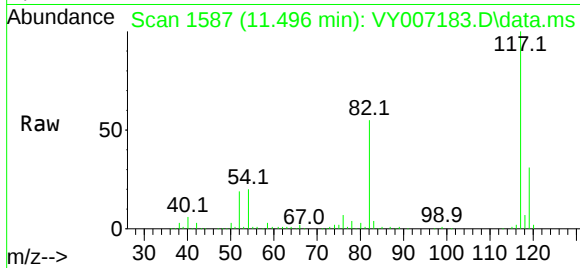




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

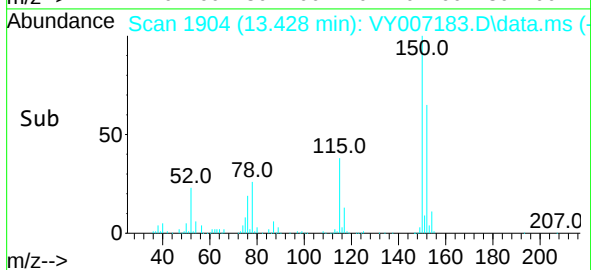
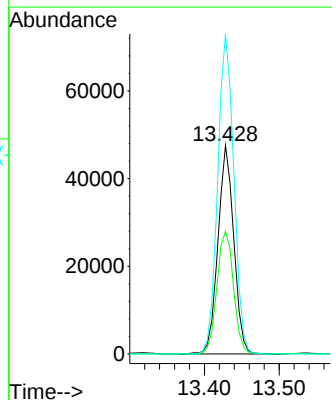
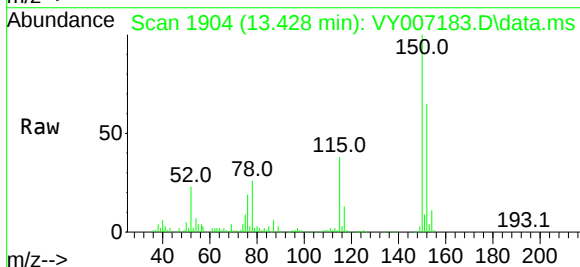
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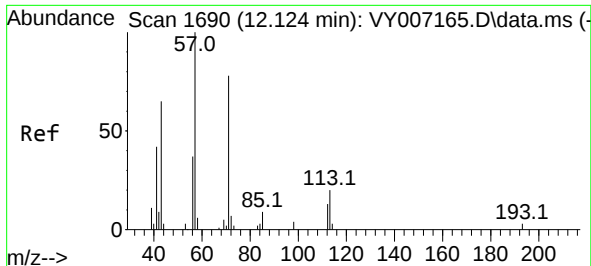
Tgt Ion:117 Resp: 194098
Ion Ratio Lower Upper
117 100
82 54.7 45.4 68.0
119 31.3 26.4 39.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion:152 Resp: 70258
Ion Ratio Lower Upper
152 100
115 61.6 31.4 94.0
150 156.6 0.0 348.4

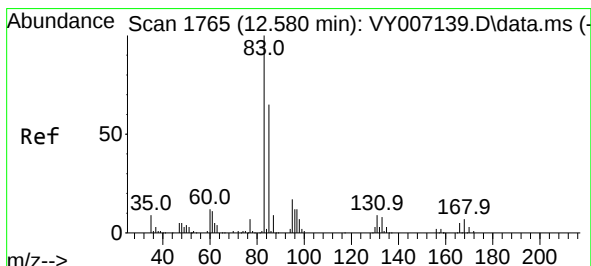
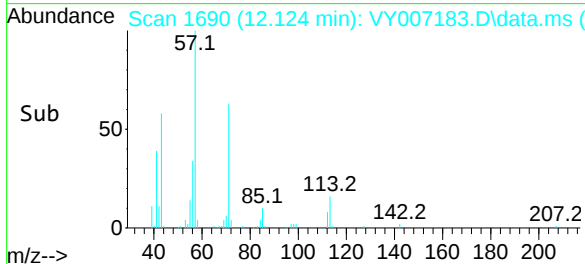
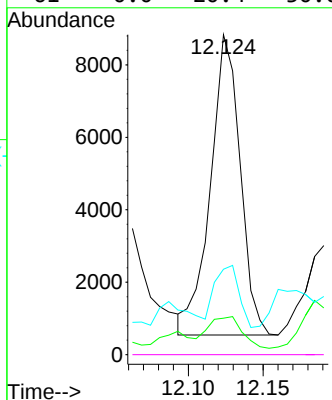
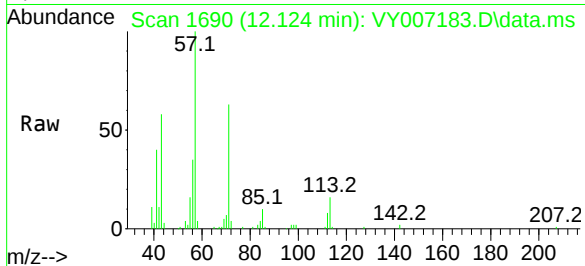




#74
N-amy1 acetate
Concen: 7.063 ug/l
RT: 12.124 min Scan# 1
Delta R.T. -0.018 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

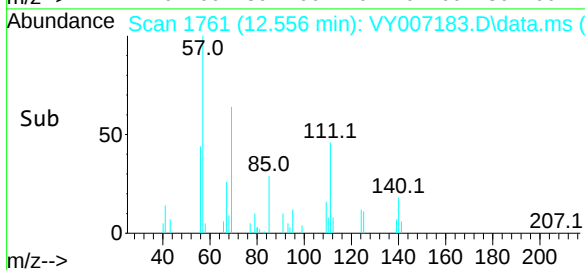
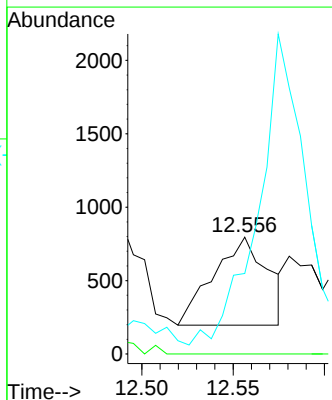
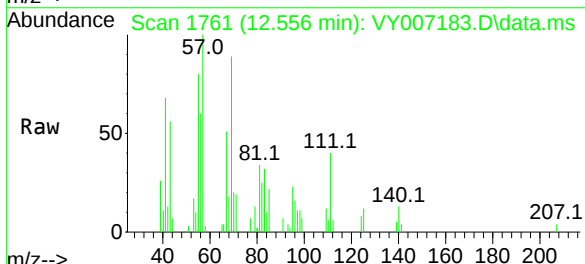
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

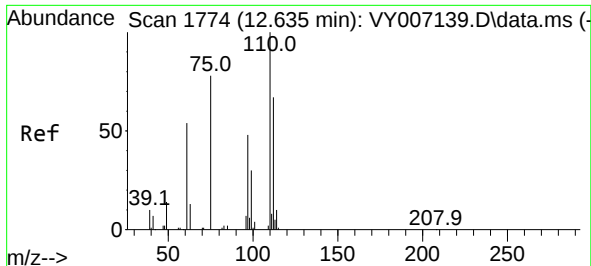
Tgt Ion: 43	Resp: 11461
Ion Ratio	Lower Upper
43 100	
70 11.8	36.2 54.4#
55 16.7	19.0 28.4#
61 0.0	20.4 30.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 1.047 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion: 83	Resp: 1235
Ion Ratio	Lower Upper
83 100	
131 0.0	5.3 16.1#
85 297.7	32.4 97.2#

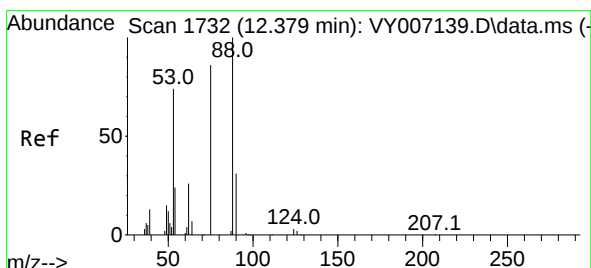
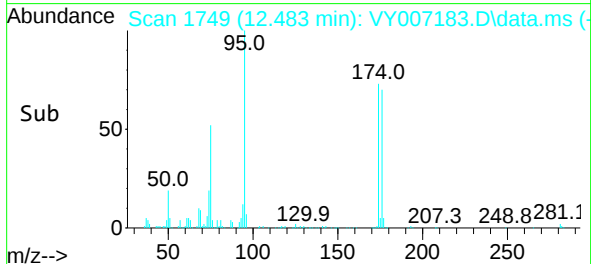
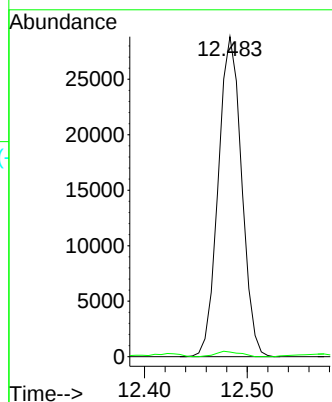
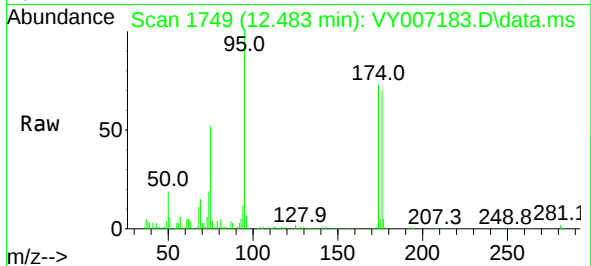




#76
1,2,3-Trichloropropane
Concen: 56.846 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

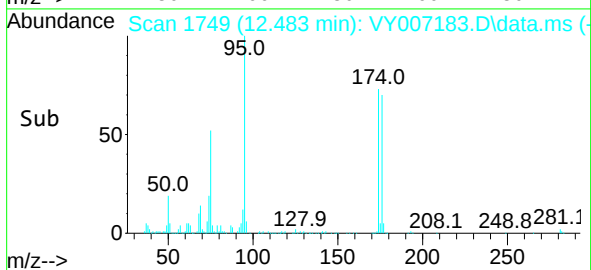
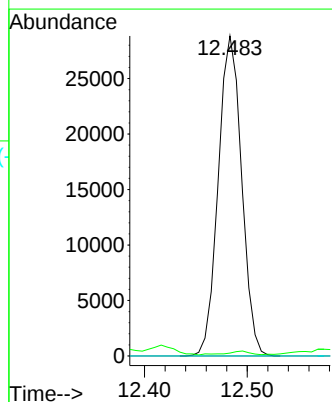
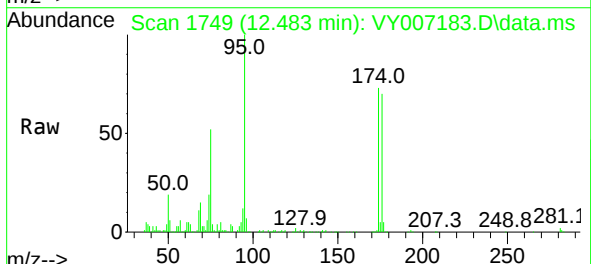
Instrument :
MSVOA_Y
ClientSampleId :
VACLOT-TOPSOIL-01

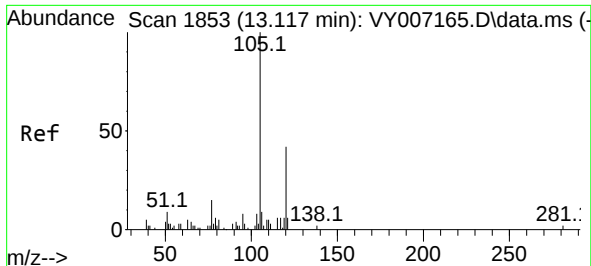
Tgt Ion: 75 Resp: 45541
Ion Ratio Lower Upper
75 100
77 1.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.070 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion: 75 Resp: 45541
Ion Ratio Lower Upper
75 100
53 1.2 73.9 110.9#
89 0.0 0.0 0.0

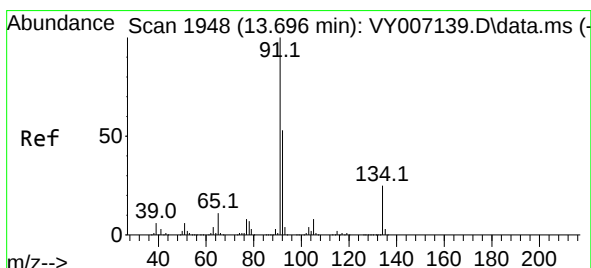
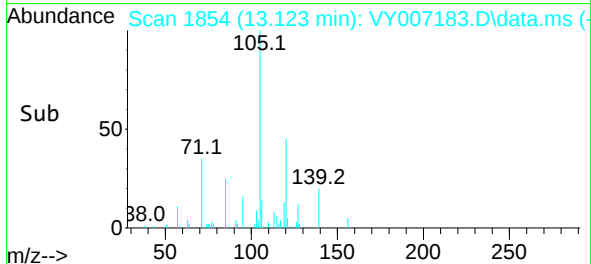
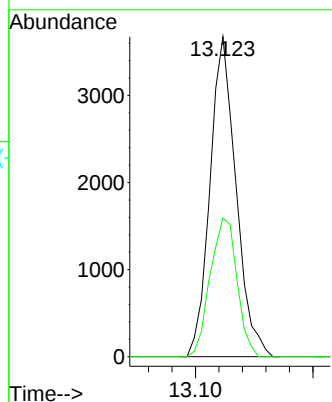
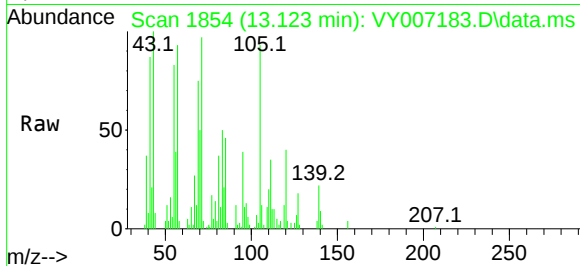




#84
1,2,4-Trimethylbenzene
Concen: 1.145 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Instrument : MSVOA_Y
ClientSampleId : VACLOT-TOPSOIL-01

Tgt Ion:105 Resp: 5655
Ion Ratio Lower Upper
105 100
120 44.4 21.6 64.6



#89
n-Butylbenzene
Concen: 1.236 ug/l
RT: 13.702 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VY007183.D
Acq: 17 Jan 2022 13:03

Tgt Ion: 91 Resp: 6442
Ion Ratio Lower Upper
91 100
92 49.0 26.9 80.6
134 0.0 12.6 37.6#

