

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030325\
 Data File : VX045107.D
 Acq On : 03 Mar 2025 12:16
 Operator : JC/MD
 Sample : Q1458-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SP-SOIL

Quant Time: Mar 04 05:21:55 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
 Quant Title : SW846 8260
 QLast Update : Fri Feb 28 06:45:16 2025
 Response via : Initial Calibration

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

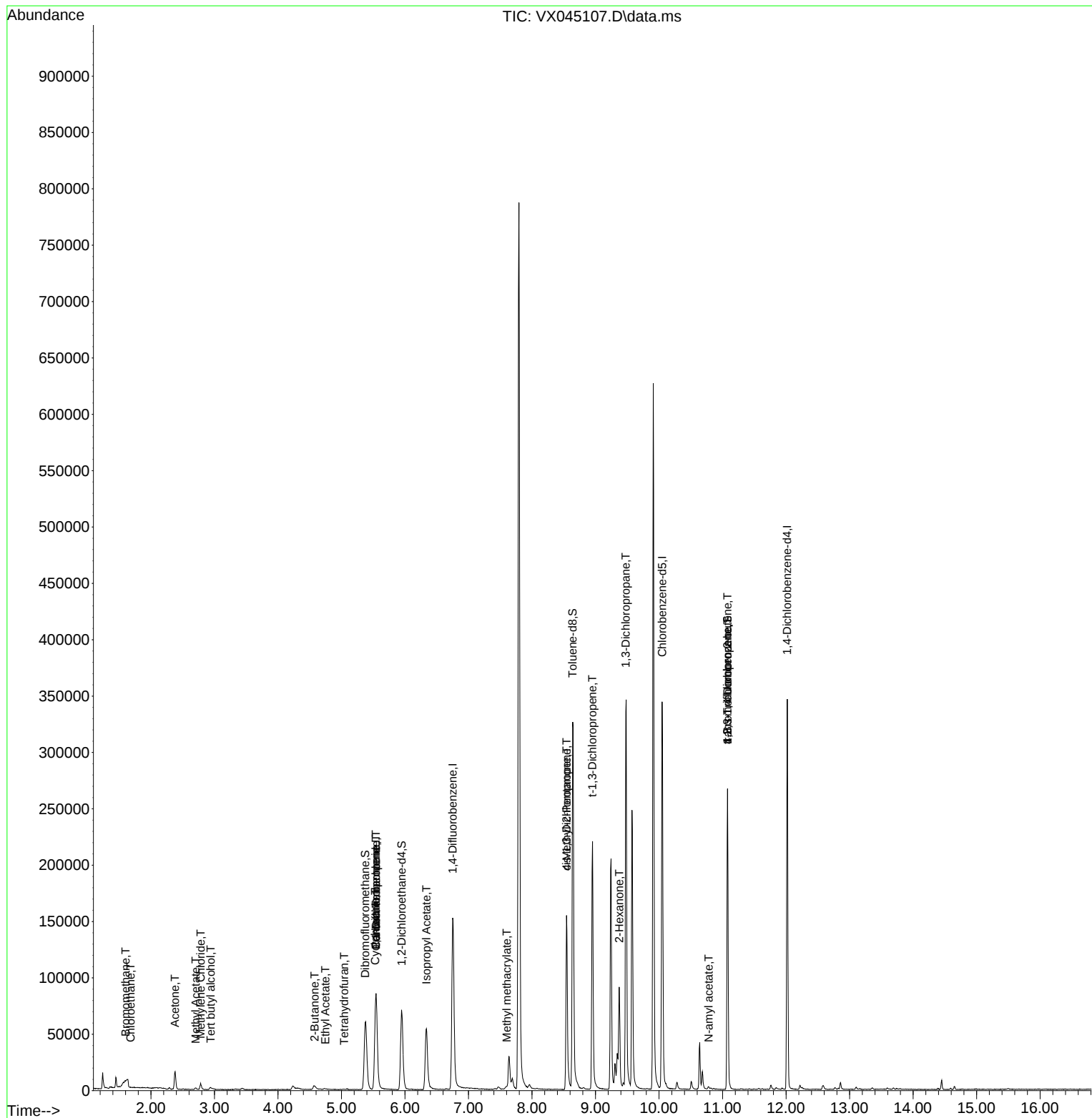
Internal Standards						
1) Pentafluorobenzene	5.544	168	81253	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.751	114	161207	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	149187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65795	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.946	65	66417	51.389	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 102.780%	
35) Dibromofluoromethane	5.373	113	54220	50.299	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.600%	
50) Toluene-d8	8.641	98	198672	50.838	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 101.680%	
62) 4-Bromofluorobenzene	11.079	95	70672	54.574	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 109.140%	
Target Compounds						
					Qvalue	
5) Bromomethane	1.599	94	99	0.203	ug/l	98
6) Chloroethane	1.678	64	191	0.333	ug/l #	77
11) Tert butyl alcohol	2.940	59	2121	8.664	ug/l #	73
16) Acetone	2.380	43	17578	29.313	ug/l	96
18) Methyl Acetate	2.703	43	1865	1.293	ug/l	95
20) Methylene Chloride	2.782	84	2284	1.923	ug/l	98
25) 2-Butanone	4.574	43	7275	8.060	ug/l	93
29) Tetrahydrofuran	5.044	42	312	0.515	ug/l #	34
31) Cyclohexane	5.531	56	2244	1.276	ug/l #	60
36) 1,1-Dichloropropene	5.544	75	7272	4.919	ug/l #	50
37) Ethyl Acetate	4.745	43	1256	0.659	ug/l #	89
38) Carbon Tetrachloride	5.544	117	8696	5.794	ug/l #	18
43) Isopropyl Acetate	6.336	43	80627	28.624	ug/l	99
48) Methyl methacrylate	7.604	41	3047	2.156	ug/l #	15
51) 4-Methyl-2-Pentanone	8.543	43	59747	31.590	ug/l #	52
53) t-1,3-Dichloropropene	8.951	75	494	0.355	ug/l #	42
54) cis-1,3-Dichloropropene	8.543	75	25238	15.558	ug/l #	64
57) 1,3-Dichloropropane	9.476	76	3283	1.682	ug/l #	43
59) 2-Hexanone	9.372	43	67994	49.619	ug/l #	26
74) N-amyl acetate	10.780	43	1321	0.548	ug/l #	51
76) 1,2,3-Trichloropropane	11.079	75	37596	24.550	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	37596	84.016	ug/l #	6

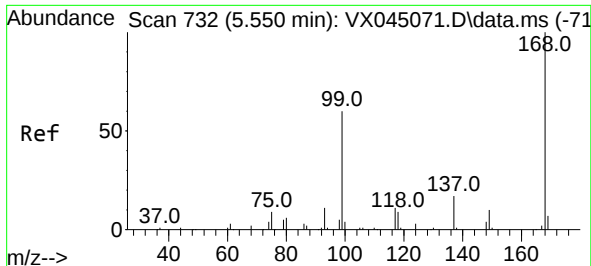
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 04 05:21:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X022825W.M
Quant Title : SW846 8260
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Response via : Initial Calibration

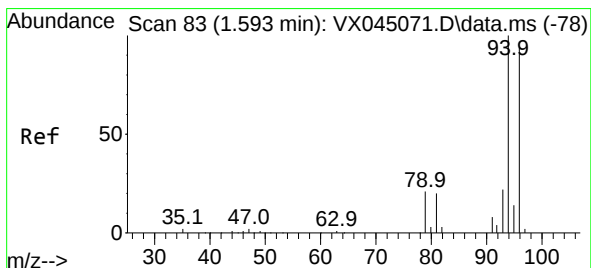
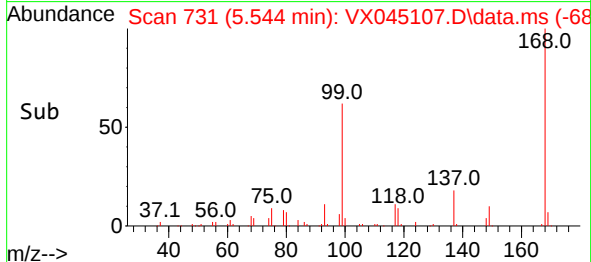
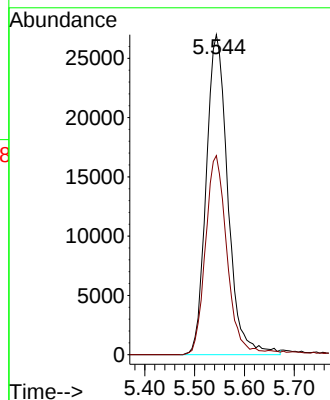
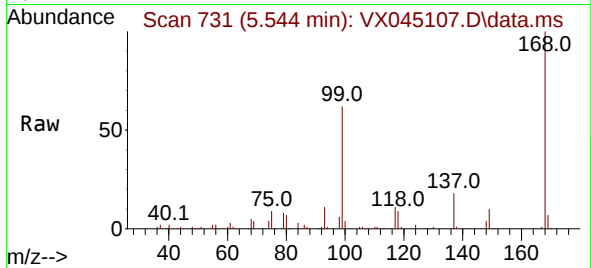




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

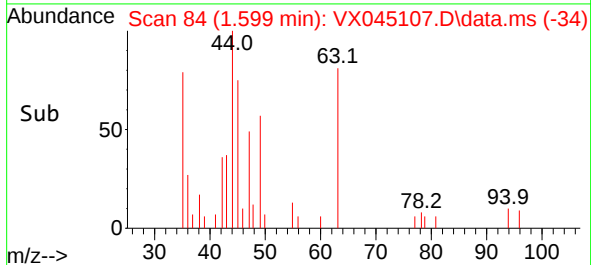
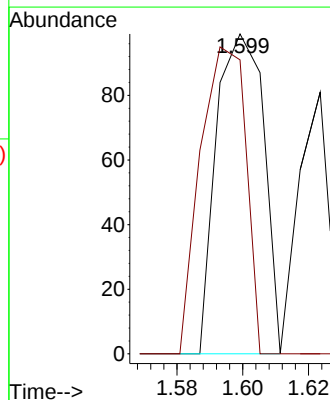
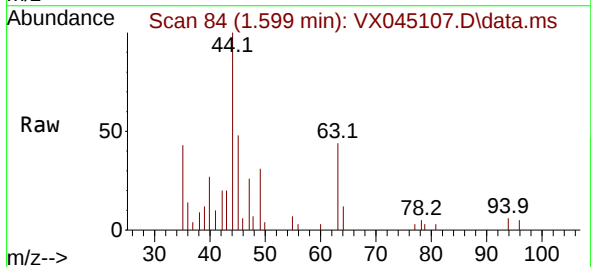
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

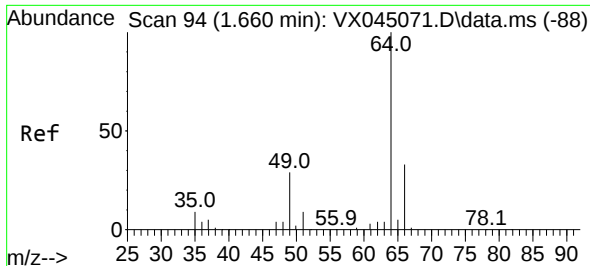
Tgt Ion:168 Resp: 81253
Ion Ratio Lower Upper
168 100
99 62.2 48.2 72.4



#5
Bromomethane
Concen: 0.203 ug/l
RT: 1.599 min Scan# 84
Delta R.T. 0.006 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 94 Resp: 99
Ion Ratio Lower Upper
94 100
96 91.9 75.0 112.4

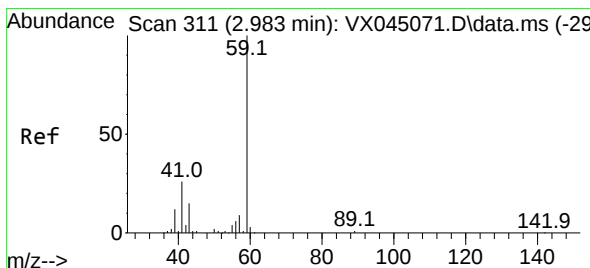
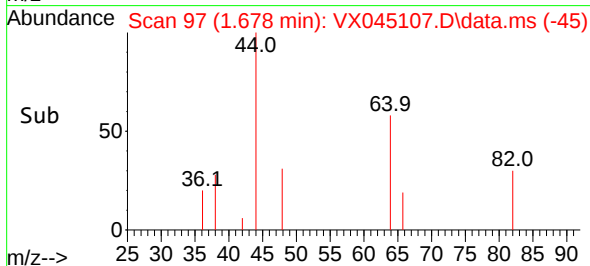
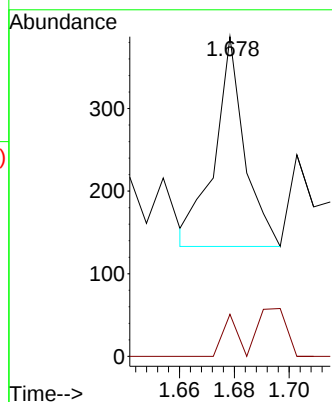
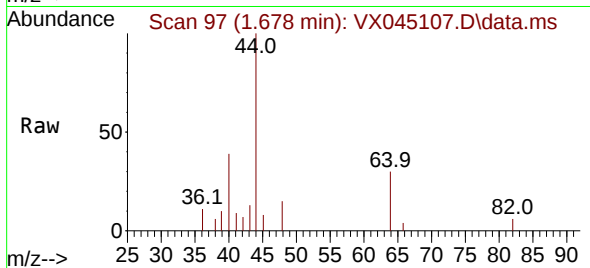




#6
Chloroethane
Concen: 0.333 ug/l
RT: 1.678 min Scan# 91
Delta R.T. 0.018 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

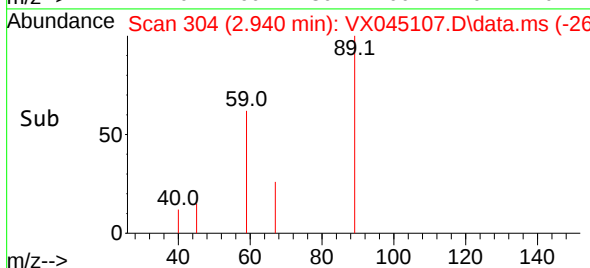
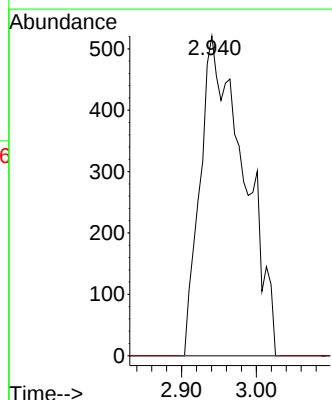
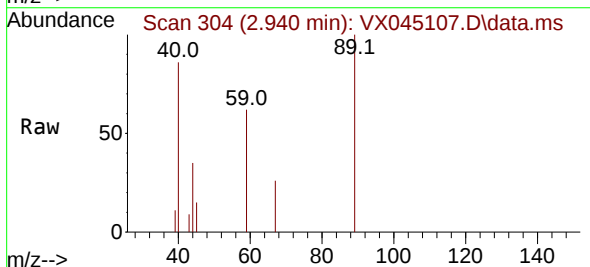
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

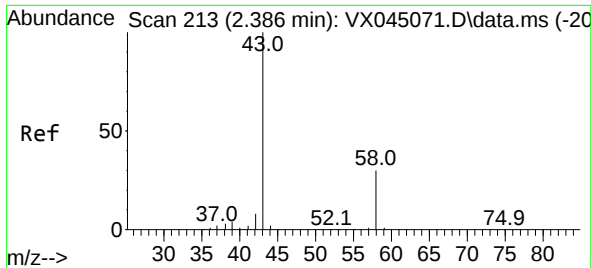
Tgt Ion: 64 Resp: 191
Ion Ratio Lower Upper
64 100
66 20.1 26.7 40.1#



#11
Tert butyl alcohol
Concen: 8.664 ug/l
RT: 2.940 min Scan# 304
Delta R.T. -0.043 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 59 Resp: 2121
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

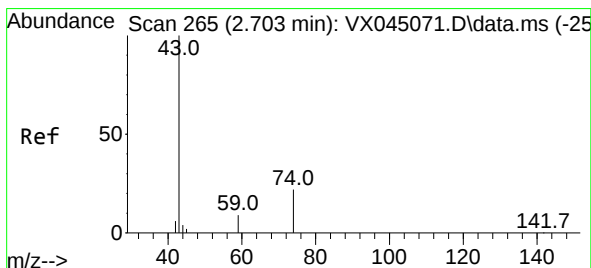
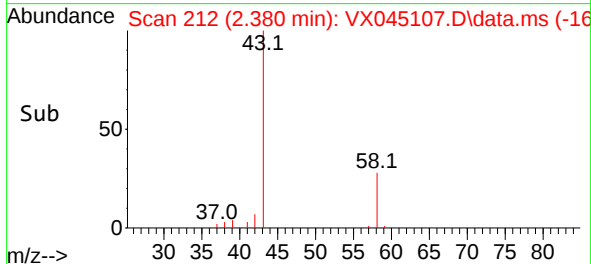
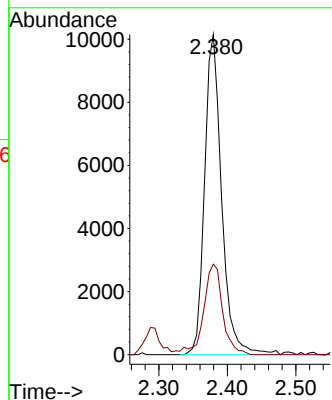
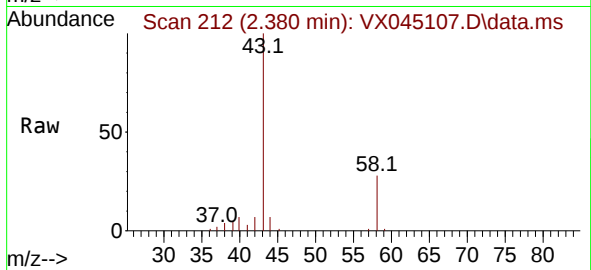




#16
Acetone
Concen: 29.313 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

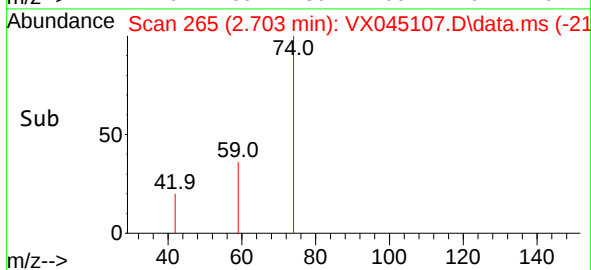
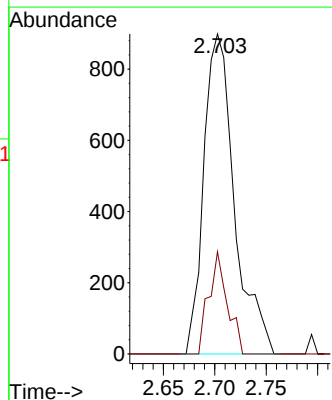
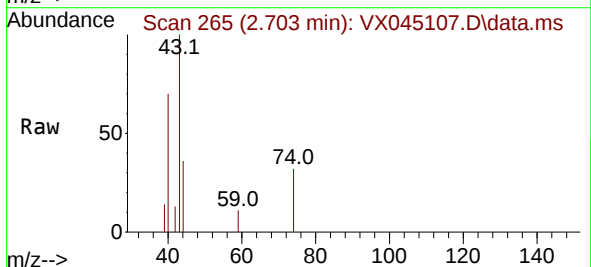
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

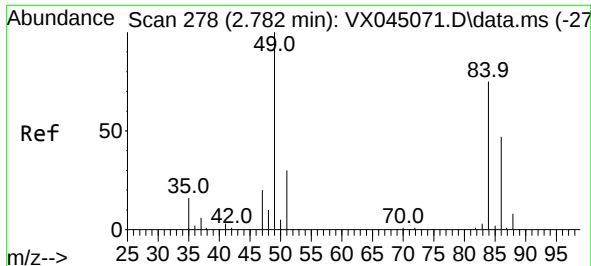
Tgt Ion: 43 Resp: 17578
Ion Ratio Lower Upper
43 100
58 28.3 24.2 36.4



#18
Methyl Acetate
Concen: 1.293 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.000 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 43 Resp: 1865
Ion Ratio Lower Upper
43 100
74 19.4 17.4 26.2





#20

Methylene Chloride

Concen: 1.923 ug/l

RT: 2.782 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-SOIL

Tgt Ion: 84 Resp: 2284

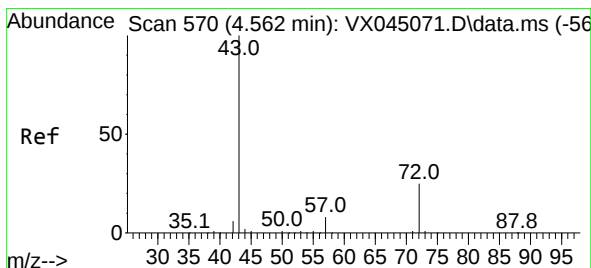
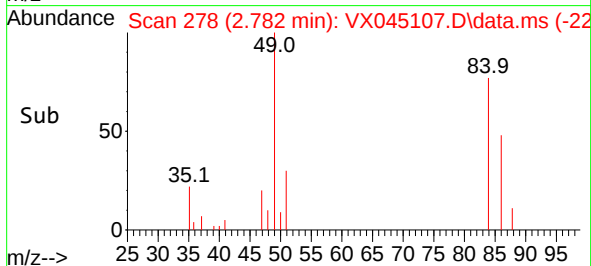
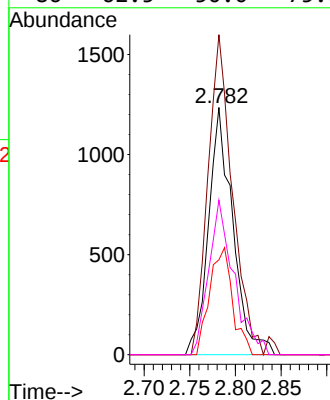
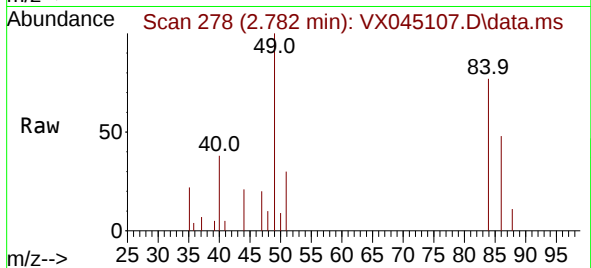
Ion Ratio Lower Upper

84 100

49 129.5 106.5 159.7

51 38.4 32.1 48.1

86 62.5 50.0 75.0



#25

2-Butanone

Concen: 8.060 ug/l

RT: 4.574 min Scan# 572

Delta R.T. 0.012 min

Lab File: VX045107.D

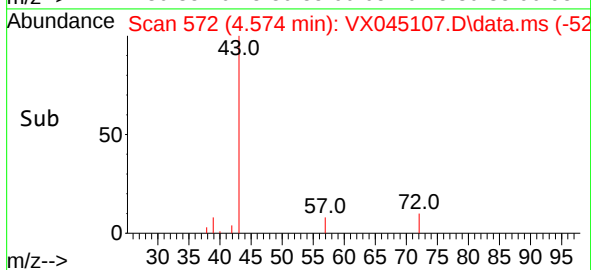
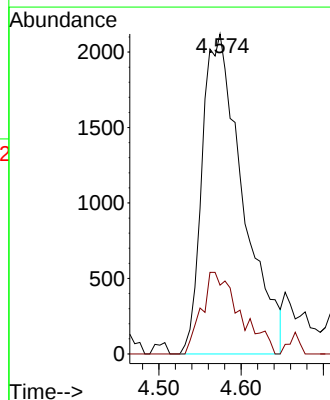
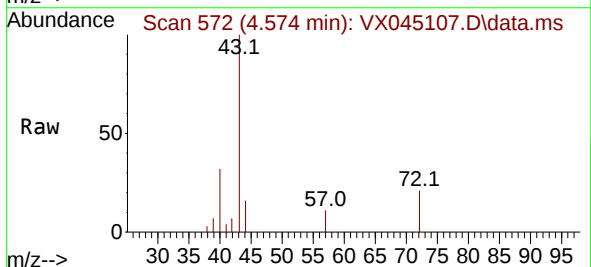
Acq: 03 Mar 2025 12:16

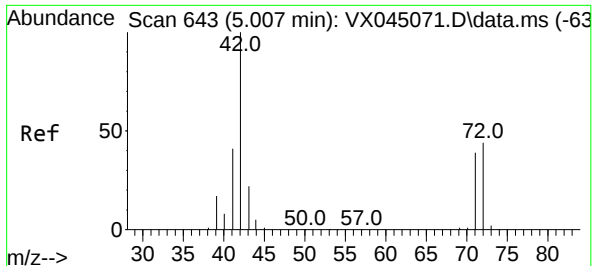
Tgt Ion: 43 Resp: 7275

Ion Ratio Lower Upper

43 100

72 21.5 20.0 30.0





#29

Tetrahydrofuran

Concen: 0.515 ug/l

RT: 5.044 min Scan# 643

Delta R.T. 0.036 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-SOIL

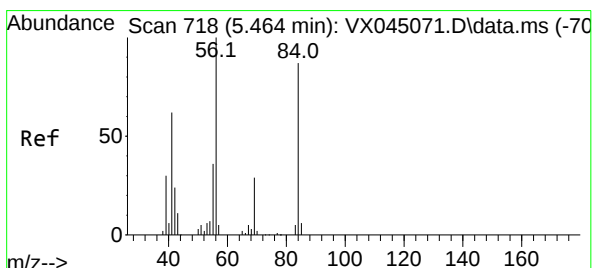
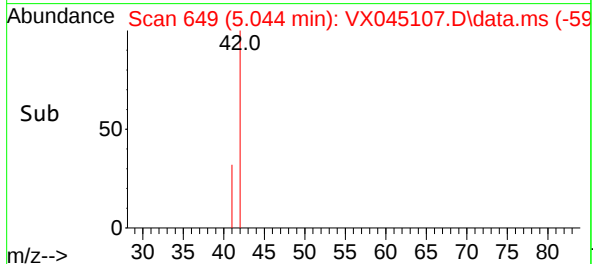
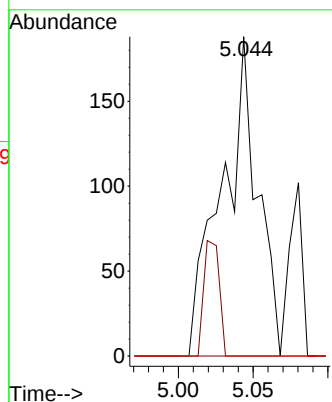
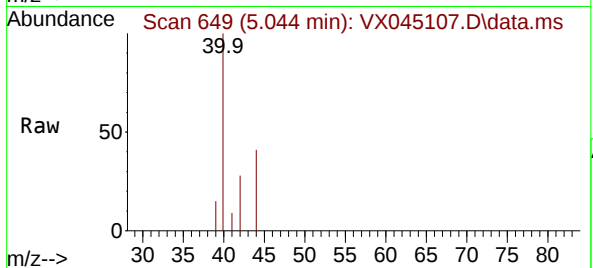
Tgt Ion: 42 Resp: 312

Ion Ratio Lower Upper

42 100

72 0.0 34.1 51.1#

71 0.0 31.4 47.0#



#31

Cyclohexane

Concen: 1.276 ug/l

RT: 5.531 min Scan# 729

Delta R.T. 0.067 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

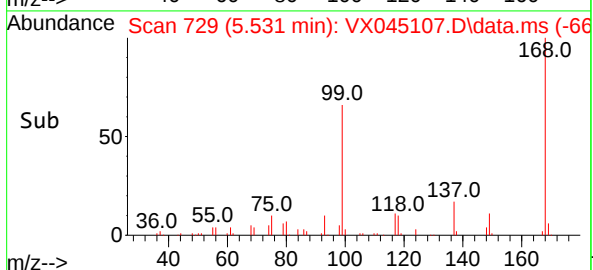
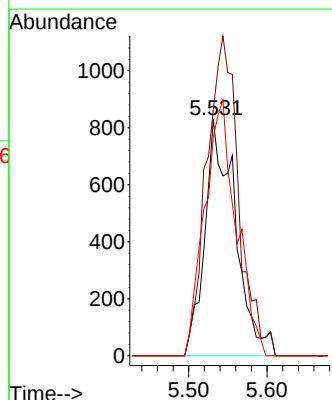
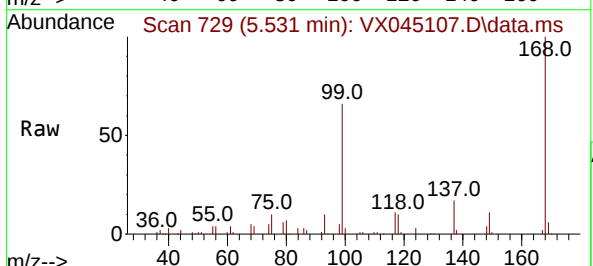
Tgt Ion: 56 Resp: 2244

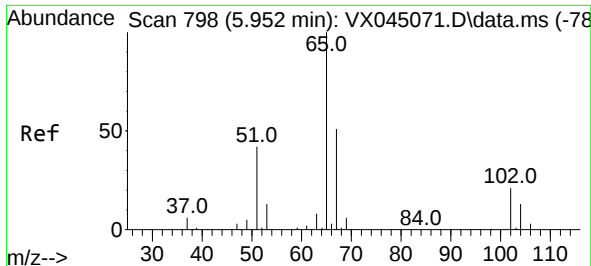
Ion Ratio Lower Upper

56 100

69 104.2 23.4 35.2#

84 92.8 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 51.389 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

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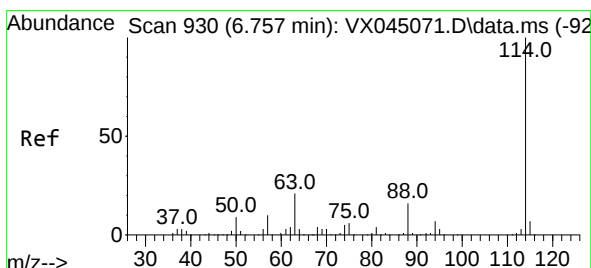
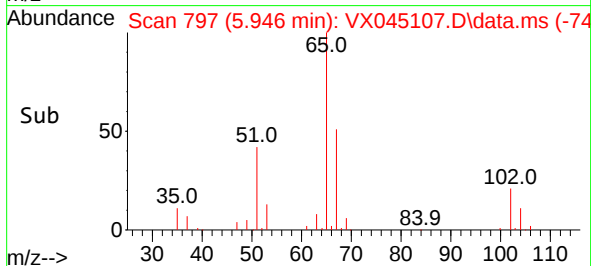
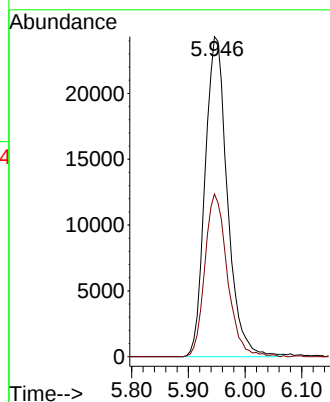
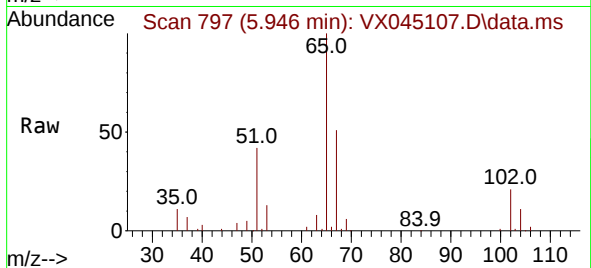
SP-SOIL

Tgt Ion: 65 Resp: 66417

Ion Ratio Lower Upper

65 100

67 51.3 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.751 min Scan# 929

Delta R.T. -0.006 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

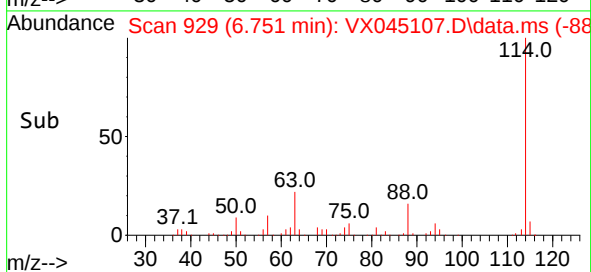
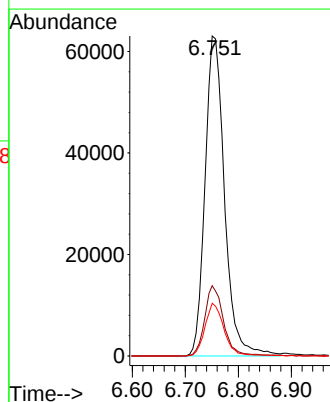
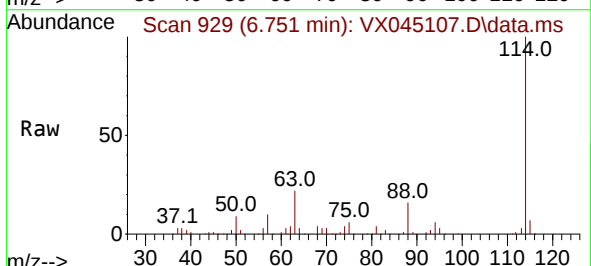
Tgt Ion: 114 Resp: 161207

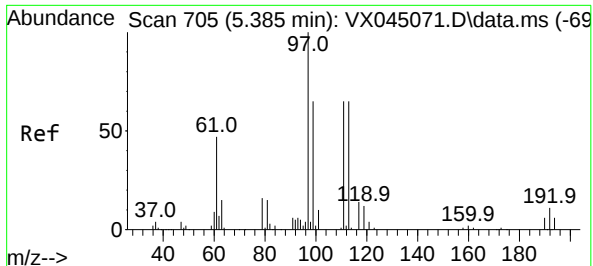
Ion Ratio Lower Upper

114 100

63 21.9 0.0 41.8

88 16.4 0.0 32.8





#35

Dibromofluoromethane

Concen: 50.299 ug/l

RT: 5.373 min Scan# 705

Delta R.T. -0.012 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

SP-SOIL

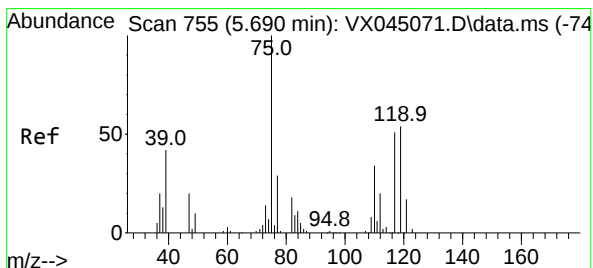
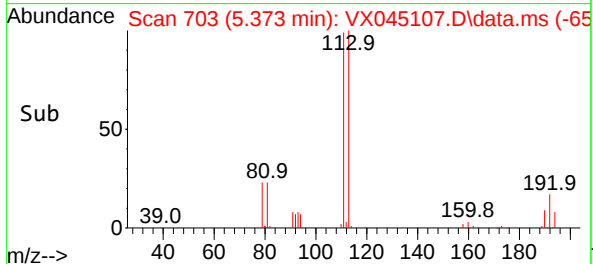
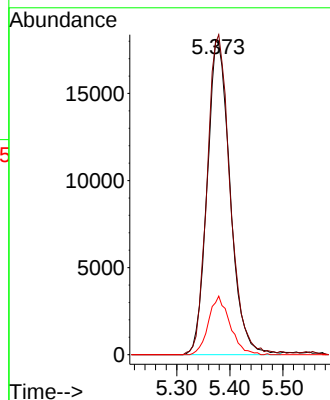
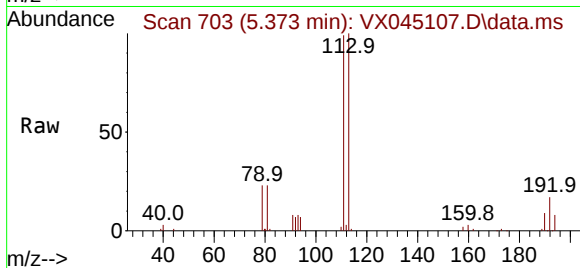
Tgt Ion:113 Resp: 54220

Ion Ratio Lower Upper

113 100

111 102.1 81.8 122.6

192 17.4 14.3 21.5



#36

1,1-Dichloropropene

Concen: 4.919 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.146 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

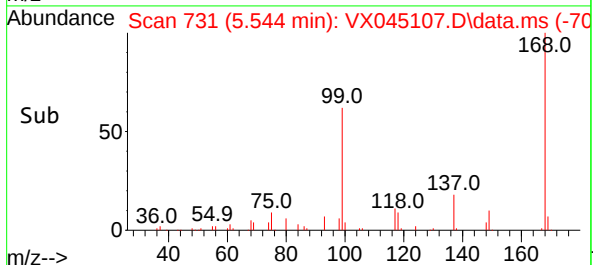
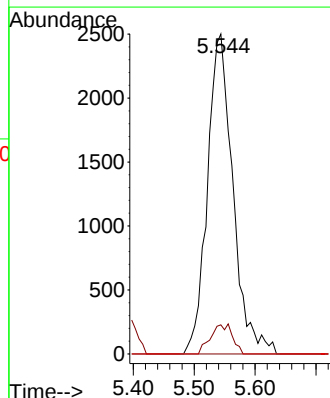
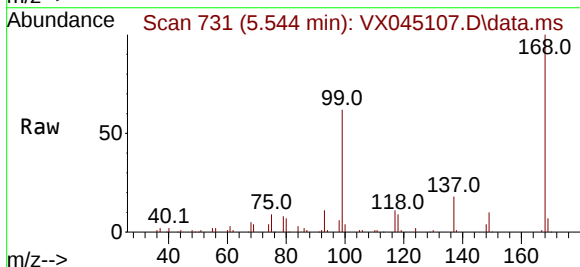
Tgt Ion: 75 Resp: 7272

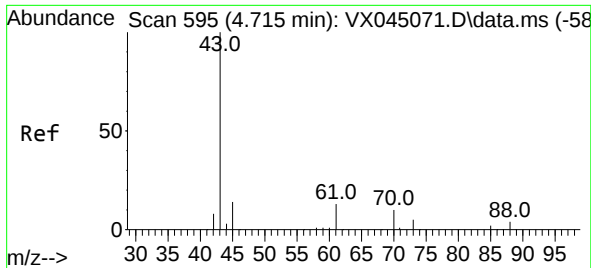
Ion Ratio Lower Upper

75 100

110 8.0 16.9 50.6#

77 0.0 24.5 36.7#

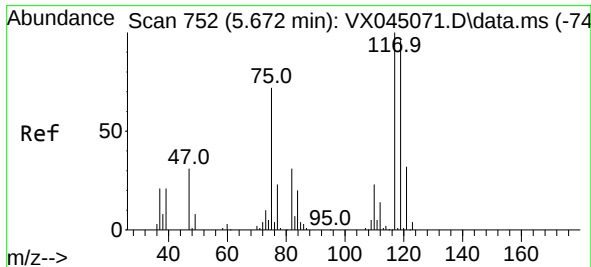
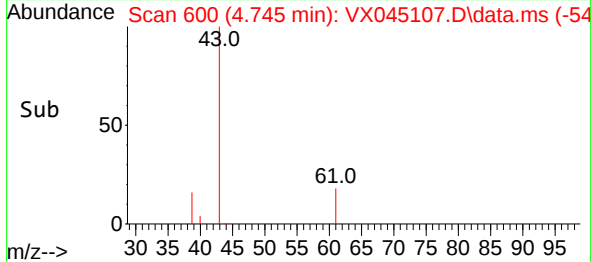
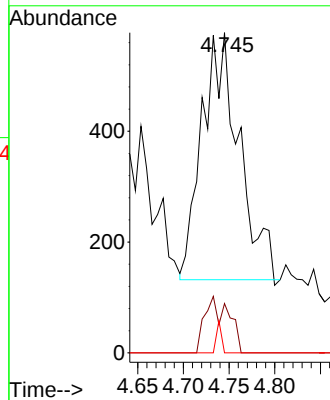
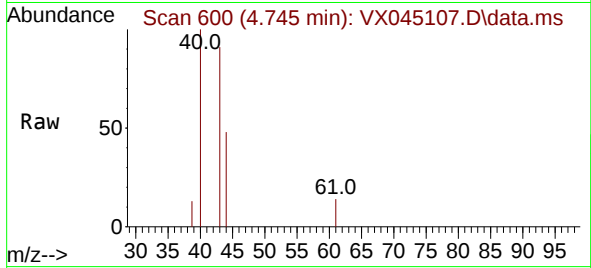




#37
Ethyl Acetate
Concen: 0.659 ug/l
RT: 4.745 min Scan# 600
Delta R.T. 0.030 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

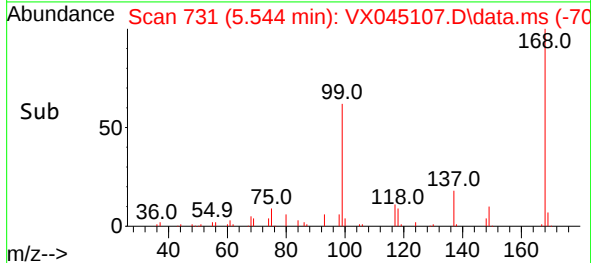
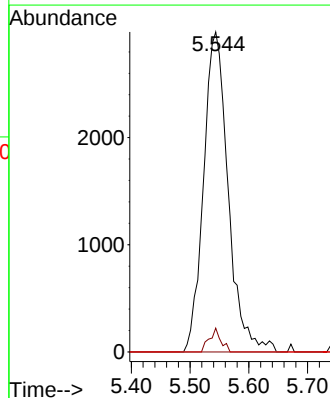
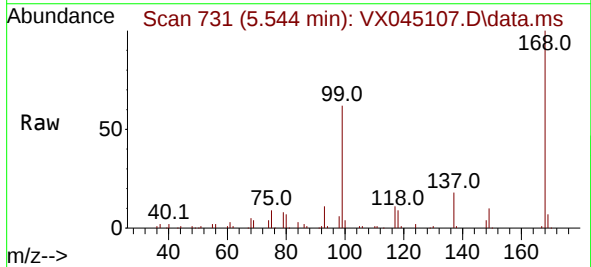
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

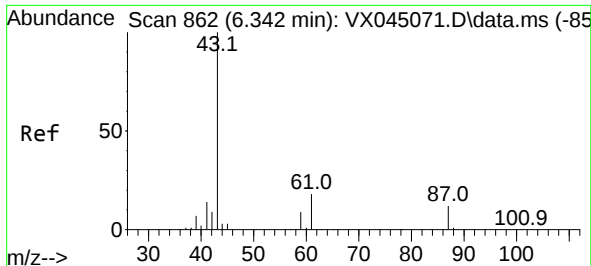
Tgt Ion:	43	Resp:	1256
Ion	Ratio	Lower	Upper
43	100		
61	14.6	10.8	16.2
70	1.7	7.7	11.5



#38
Carbon Tetrachloride
Concen: 5.794 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.128 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion:	117	Resp:	8696
Ion	Ratio	Lower	Upper
117	100		
119	7.4	76.7	115.1
121	0.0	25.5	38.3

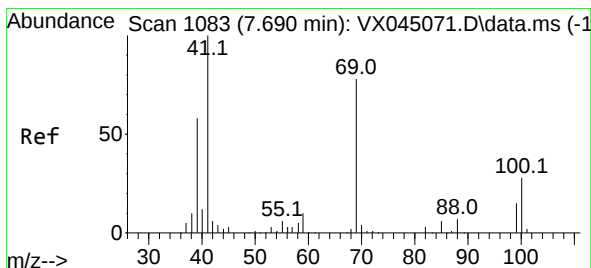
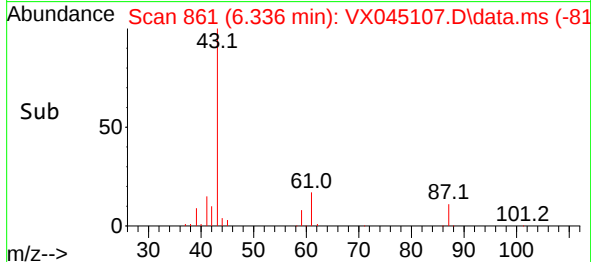
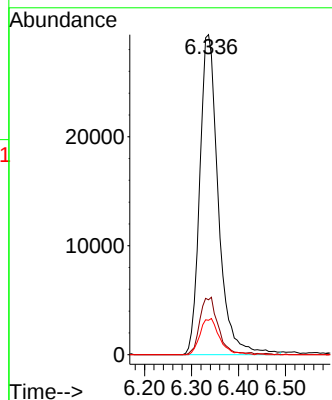
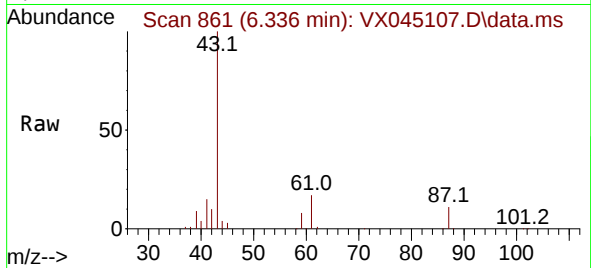




#43
Isopropyl Acetate
Concen: 28.624 ug/l
RT: 6.336 min Scan# 80
Delta R.T. -0.006 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

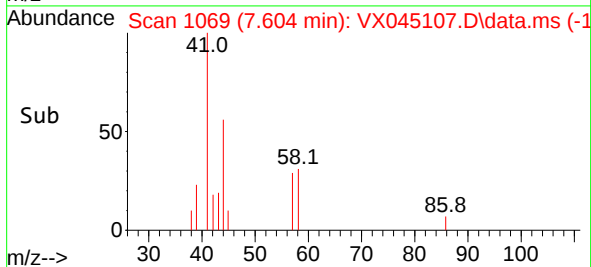
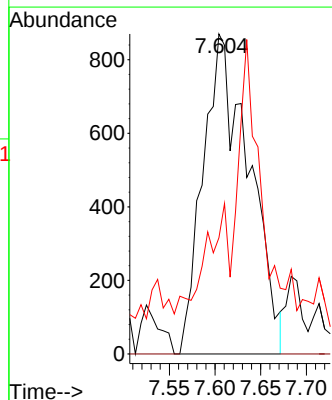
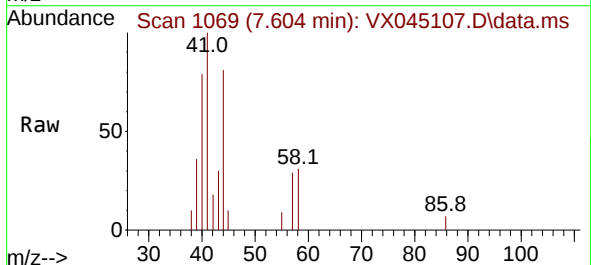
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

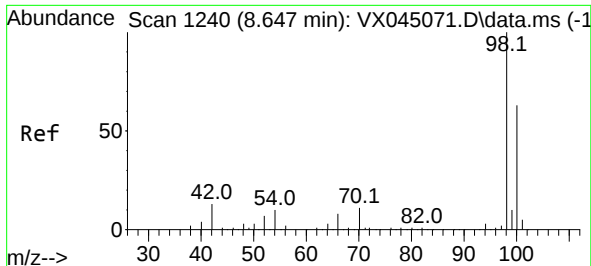
Tgt Ion: 43 Resp: 80627
Ion Ratio Lower Upper
43 100
61 18.0 14.9 22.3
87 11.8 9.4 14.2



#48
Methyl methacrylate
Concen: 2.156 ug/l
RT: 7.604 min Scan# 1069
Delta R.T. -0.085 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 41 Resp: 3047
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 0.0 47.5 71.3#

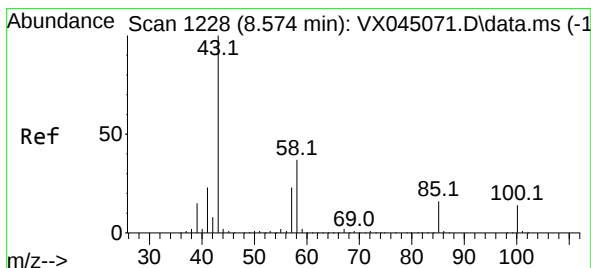
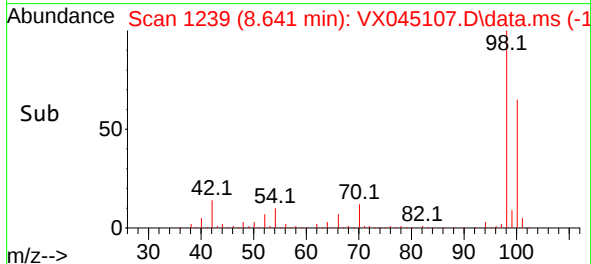
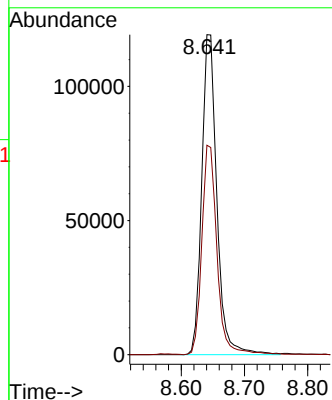
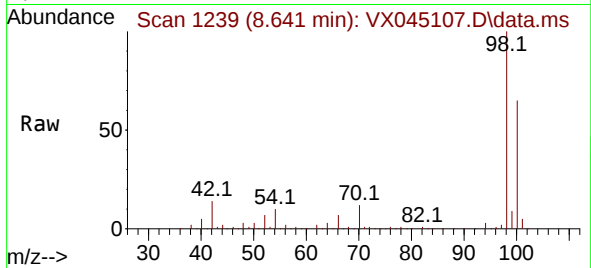




#50
Toluene-d8
Concen: 50.838 ug/l
RT: 8.641 min Scan# 1239
Delta R.T. -0.006 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

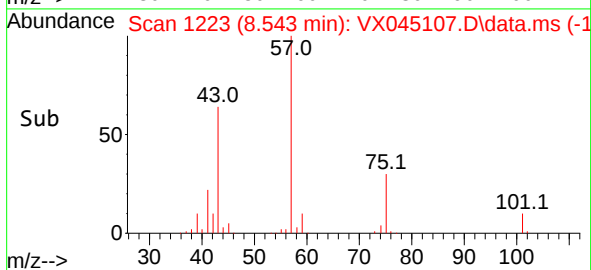
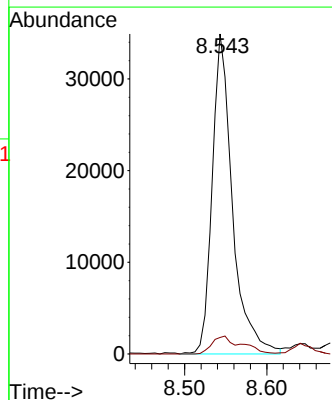
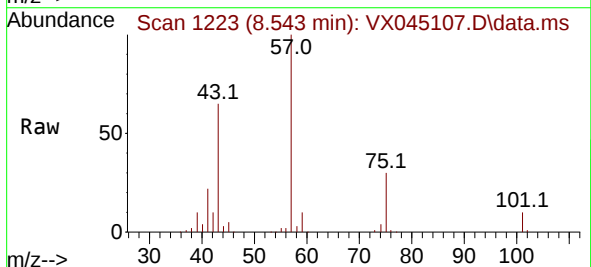
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

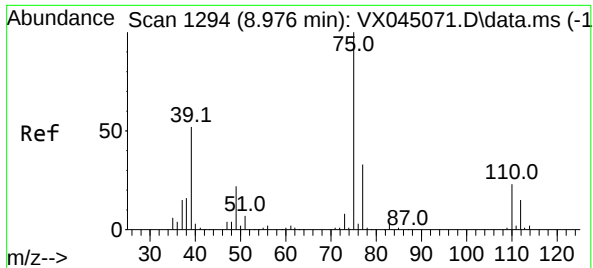
Tgt Ion: 98 Resp: 198672
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0



#51
4-Methyl-2-Pentanone
Concen: 31.590 ug/l
RT: 8.543 min Scan# 1223
Delta R.T. -0.031 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 43 Resp: 59747
Ion Ratio Lower Upper
43 100
58 8.1 29.2 43.8#

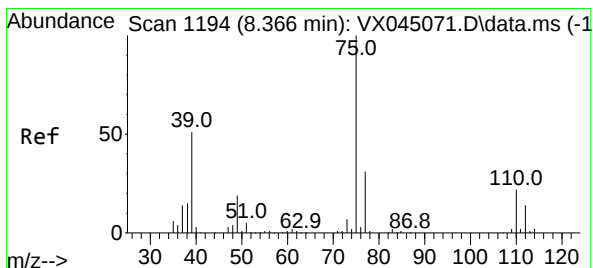
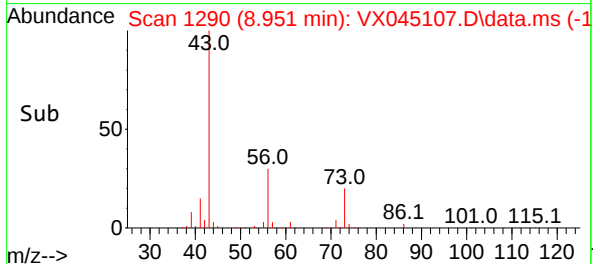
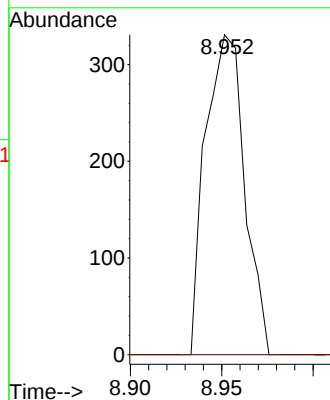
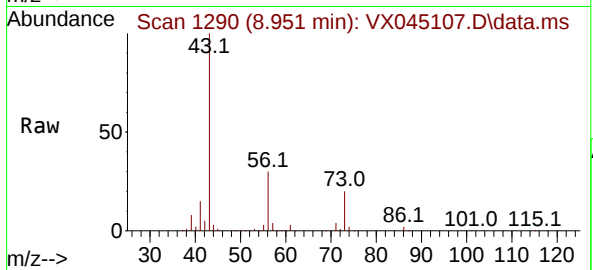




#53
 t-1,3-Dichloropropene
 Concen: 0.355 ug/l
 RT: 8.951 min Scan# 11
 Delta R.T. -0.025 min
 Lab File: VX045107.D
 Acq: 03 Mar 2025 12:16

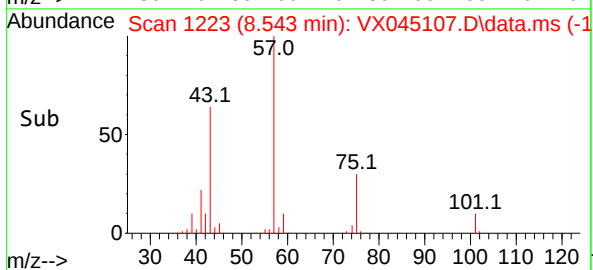
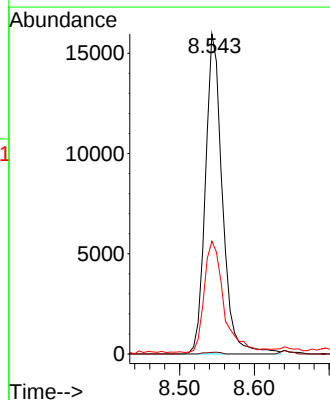
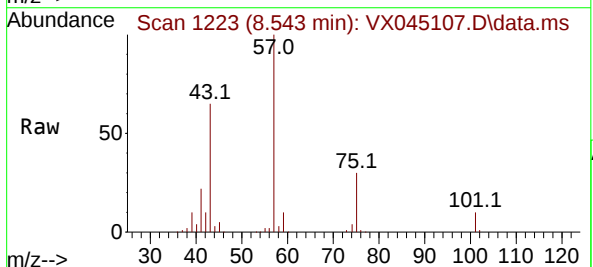
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-SOIL

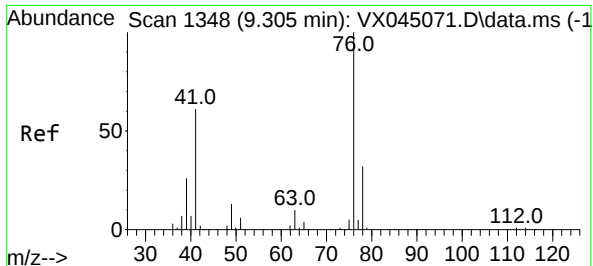
Tgt Ion: 75 Resp: 494
 Ion Ratio Lower Upper
 75 100
 77 0.0 26.5 39.7#



#54
 cis-1,3-Dichloropropene
 Concen: 15.558 ug/l
 RT: 8.543 min Scan# 1223
 Delta R.T. 0.177 min
 Lab File: VX045107.D
 Acq: 03 Mar 2025 12:16

Tgt Ion: 75 Resp: 25238
 Ion Ratio Lower Upper
 75 100
 77 0.5 24.7 37.1#
 39 34.5 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 1.682 ug/l

RT: 9.476 min Scan# 1376

Delta R.T. 0.171 min

Lab File: VX045107.D

Acq: 03 Mar 2025 12:16

Instrument :

MSVOA_X

ClientSampleId :

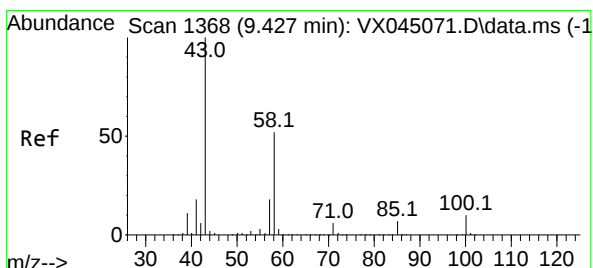
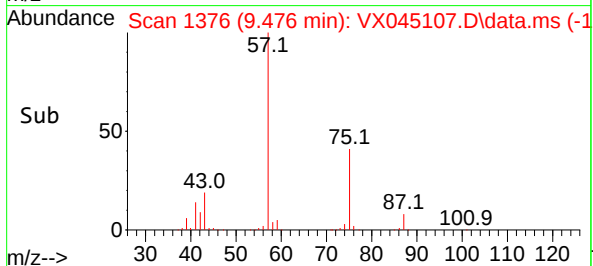
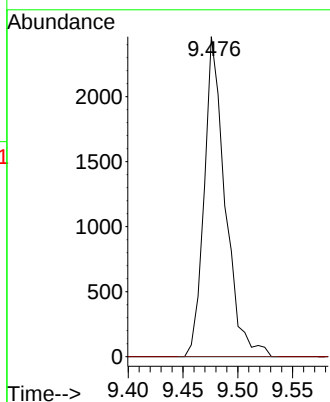
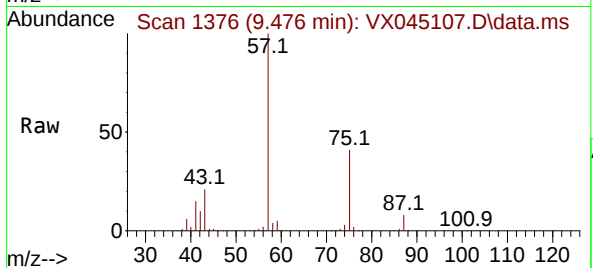
SP-SOIL

Tgt Ion: 76 Resp: 3283

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 49.619 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045107.D

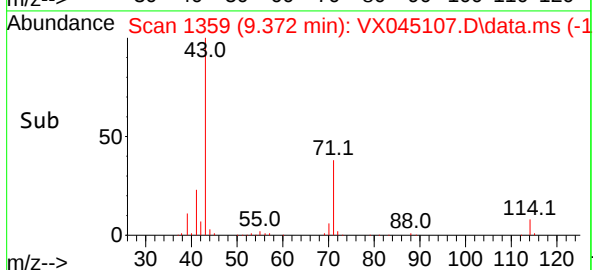
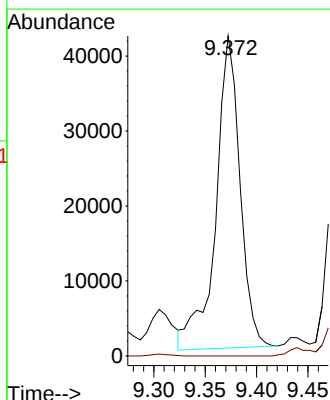
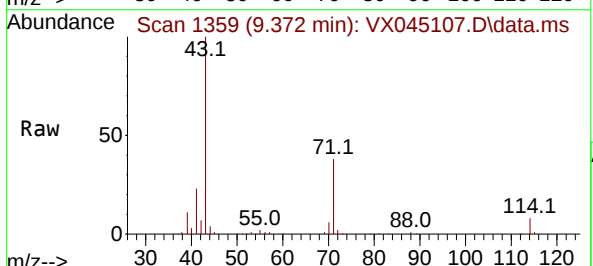
Acq: 03 Mar 2025 12:16

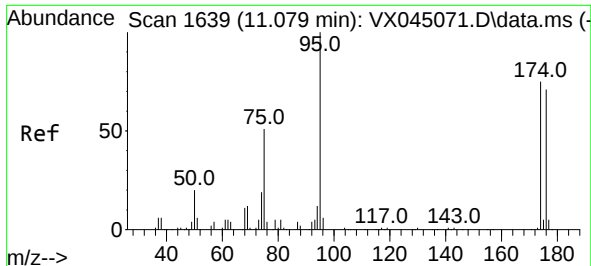
Tgt Ion: 43 Resp: 67994

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#

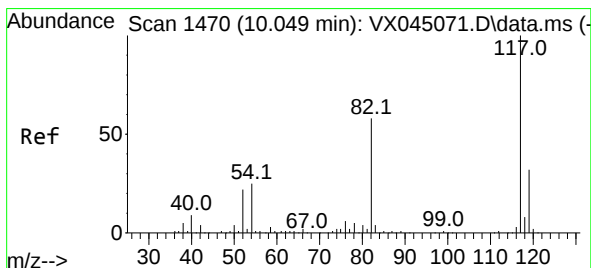
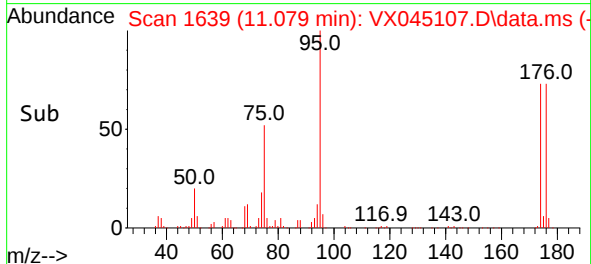
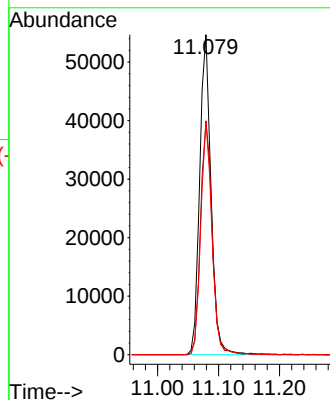
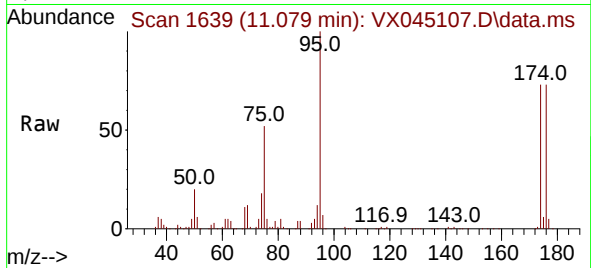




#62
4-Bromofluorobenzene
Concen: 54.574 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

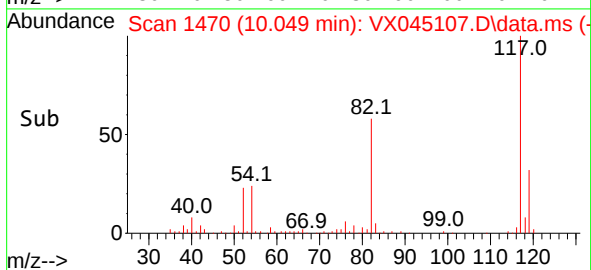
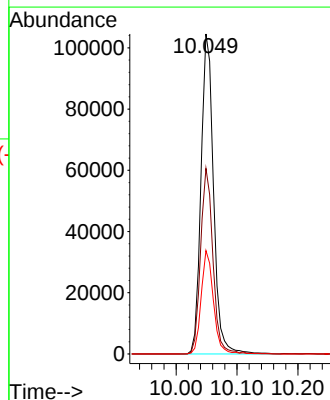
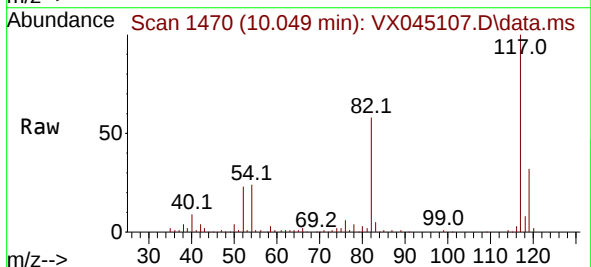
Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

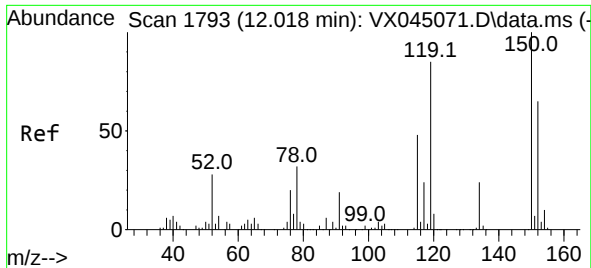
Tgt Ion: 95 Resp: 70672
Ion Ratio Lower Upper
95 100
174 74.9 0.0 148.2
176 72.0 0.0 141.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.049 min Scan# 1470
Delta R.T. -0.000 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 117 Resp: 149187
Ion Ratio Lower Upper
117 100
82 58.0 46.3 69.5
119 32.3 25.7 38.5

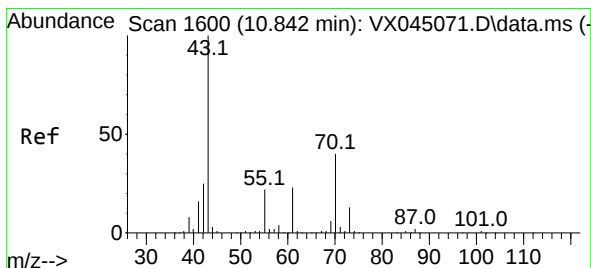
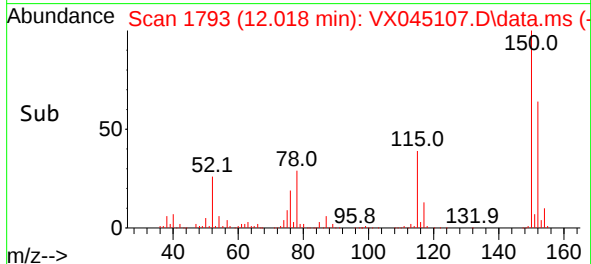
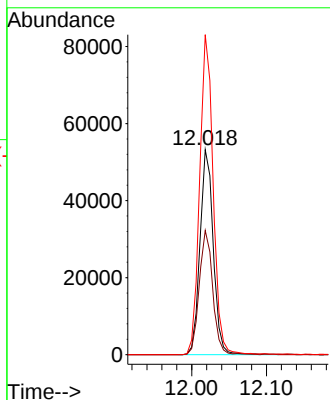
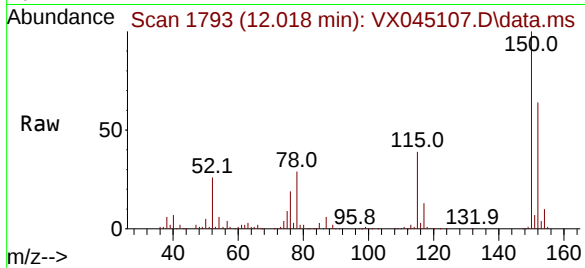




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 12.018 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX045107.D
 Acq: 03 Mar 2025 12:16

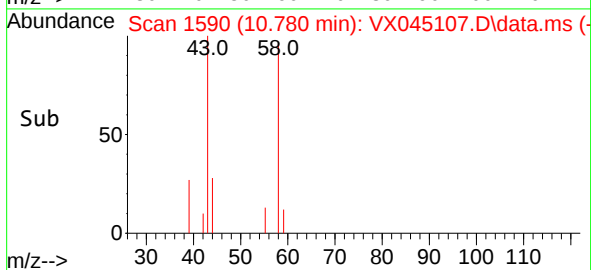
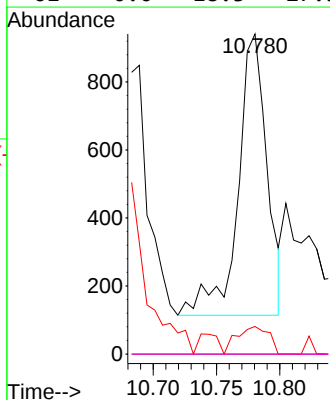
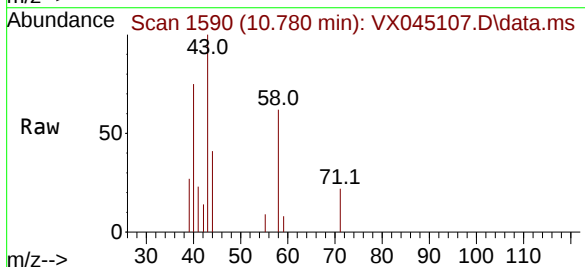
Instrument :
 MSVOA_X
 ClientSampleId :
 SP-SOIL

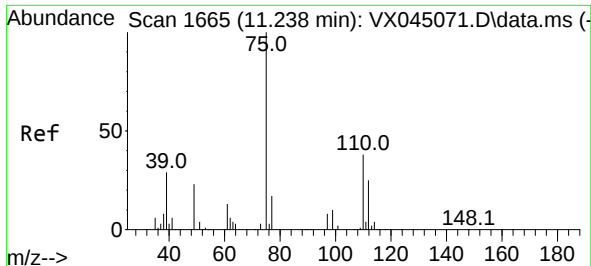
Tgt Ion:152 Resp: 65795
 Ion Ratio Lower Upper
 152 100
 115 61.4 44.2 132.6
 150 158.2 0.0 349.0



#74
 N-ethyl acetate
 Concen: 0.548 ug/l
 RT: 10.780 min Scan# 1590
 Delta R.T. -0.061 min
 Lab File: VX045107.D
 Acq: 03 Mar 2025 12:16

Tgt Ion: 43 Resp: 1321
 Ion Ratio Lower Upper
 43 100
 70 0.0 31.8 47.6#
 55 10.8 18.3 27.5#
 61 0.0 18.3 27.5#

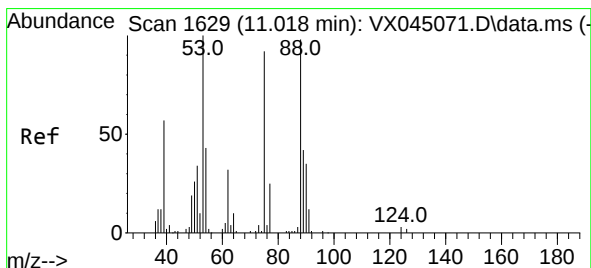
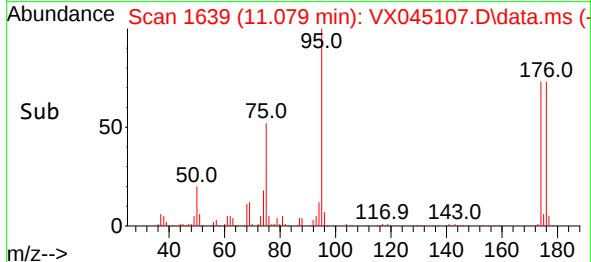
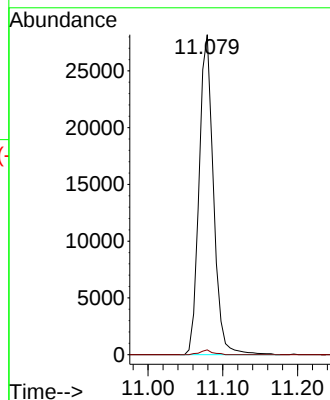
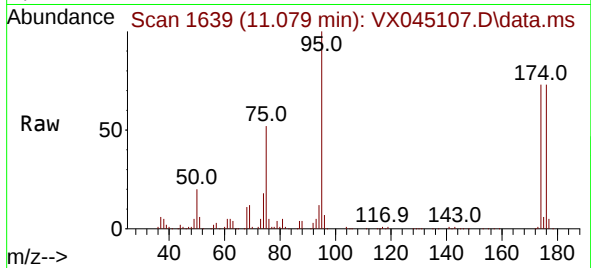




#76
1,2,3-Trichloropropane
Concen: 24.550 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Instrument :
MSVOA_X
ClientSampleId :
SP-SOIL

Tgt Ion: 75 Resp: 37596
Ion Ratio Lower Upper
75 100
77 1.3 20.7 62.1#



#81
trans-1,4-Dichloro-2-butene
Concen: 84.016 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045107.D
Acq: 03 Mar 2025 12:16

Tgt Ion: 75 Resp: 37596
Ion Ratio Lower Upper
75 100
53 0.0 88.5 132.7#
89 0.0 36.2 54.4#

