

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
 Data File : VX045811.D
 Acq On : 16 Apr 2025 16:31
 Operator : JC/MD
 Sample : Q1808-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOIL-PILE

Quant Time: Apr 17 01:38:00 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 02 03:11:43 2025
 Response via : Initial Calibration

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

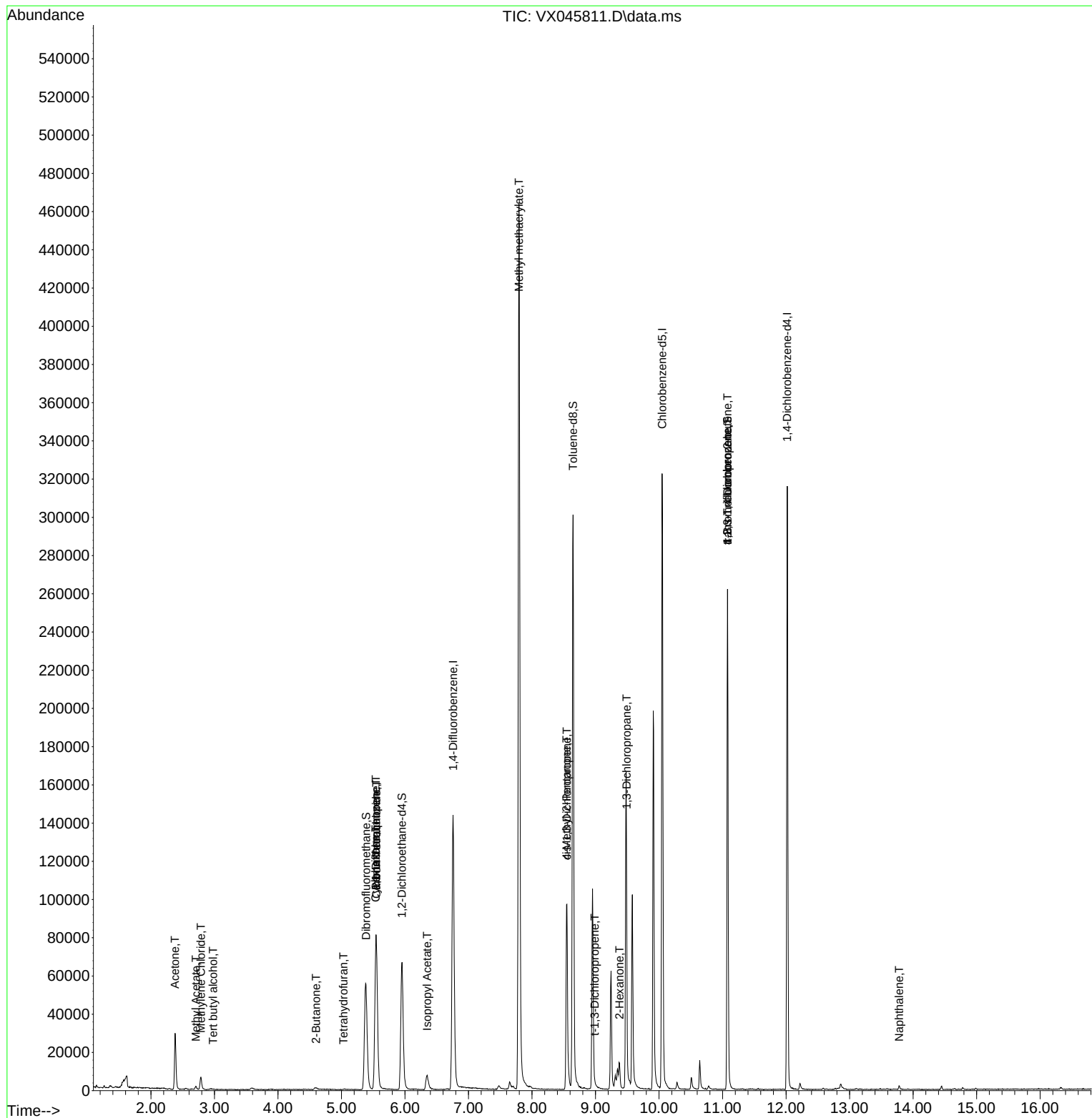
Internal Standards						
1) Pentafluorobenzene	5.544	168	68693	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.757	114	137895	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	132226	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	57054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	68134	54.237	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	=	108.480%	
35) Dibromofluoromethane	5.385	113	48801	49.880	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	99.760%	
50) Toluene-d8	8.647	98	173697	50.865	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	=	101.720%	
62) 4-Bromofluorobenzene	11.079	95	68372	54.967	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	=	109.940%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.977	59	405	2.399	ug/l	# 72
16) Acetone	2.380	43	31391	60.854	ug/l	96
18) Methyl Acetate	2.709	43	2278	1.918	ug/l	93
20) Methylene Chloride	2.788	84	2977	3.083	ug/l	# 92
25) 2-Butanone	4.599	43	2811	3.723	ug/l	# 83
29) Tetrahydrofuran	5.032	42	105	0.214	ug/l	# 35
31) Cyclohexane	5.538	56	1956	1.269	ug/l	# 22
36) 1,1-Dichloropropene	5.544	75	6772	5.126	ug/l	# 51
38) Carbon Tetrachloride	5.550	117	8291	5.807	ug/l	# 16
43) Isopropyl Acetate	6.348	43	11519	4.565	ug/l	99
48) Methyl methacrylate	7.793	41	46035	35.337	ug/l	# 51
51) 4-Methyl-2-Pentanone	8.543	43	40509	24.219	ug/l	# 52
53) t-1,3-Dichloropropene	8.988	75	25	2.305	ug/l	# 43
54) cis-1,3-Dichloropropene	8.549	75	15497	10.686	ug/l	# 67
57) 1,3-Dichloropropane	9.488	76	1441	0.851	ug/l	# 42
59) 2-Hexanone	9.378	43	12483	10.078	ug/l	# 28
76) 1,2,3-Trichloropropane	11.079	75	39137	28.122	ug/l	# 37
81) trans-1,4-Dichloro-2-b...	11.079	75	39137	95.443	ug/l	# 1
95) Naphthalene	13.780	128	1758	0.444	ug/l	# 93

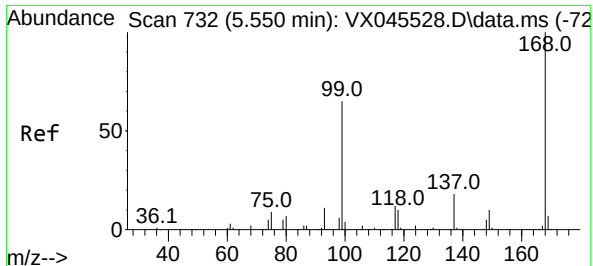
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041625\
Data File : VX045811.D
Acq On : 16 Apr 2025 16:31
Operator : JC/MD
Sample : Q1808-02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

Quant Time: Apr 17 01:38:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X040225W.M
Quant Title : SW846 8260
QLast Update : Wed Apr 02 03:11:43 2025
Response via : Initial Calibration

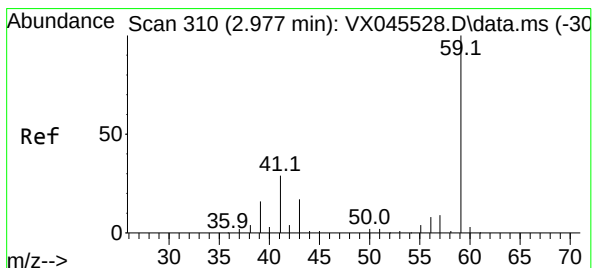
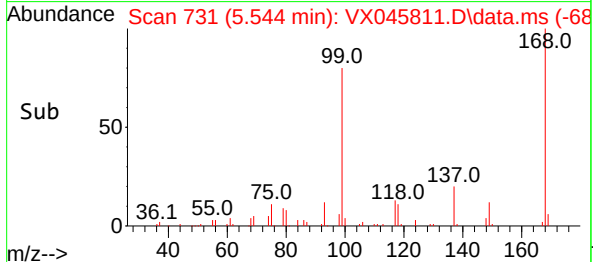
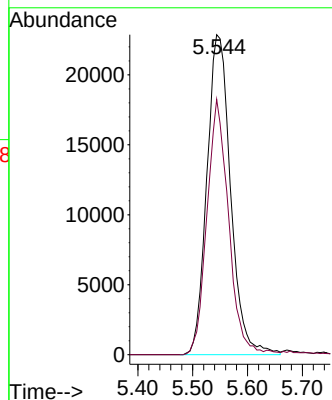
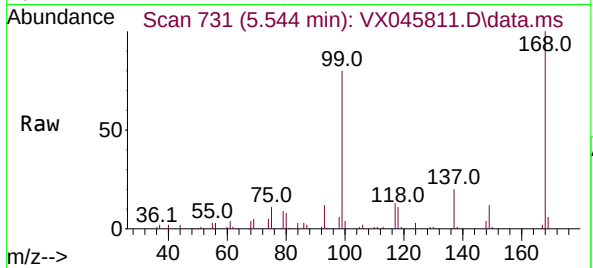




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

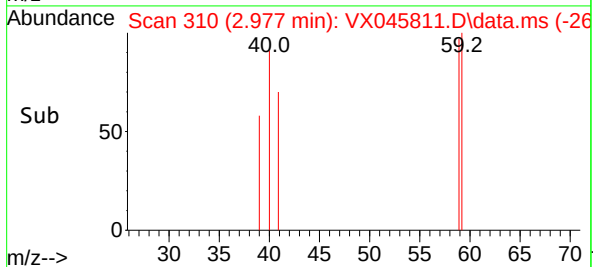
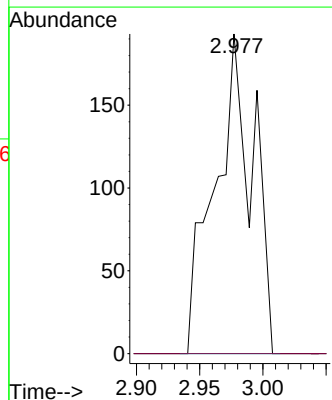
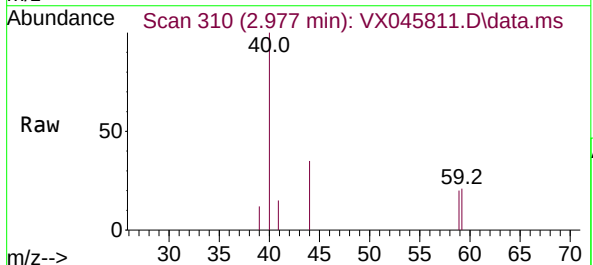
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

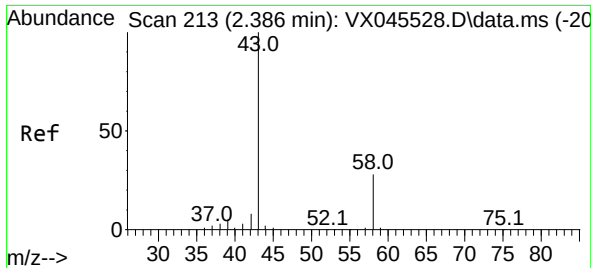
Tgt Ion:168 Resp: 68693
Ion Ratio Lower Upper
168 100
99 79.8 52.3 78.5#



#11
Tert butyl alcohol
Concen: 2.399 ug/l
RT: 2.977 min Scan# 310
Delta R.T. -0.000 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 59 Resp: 405
Ion Ratio Lower Upper
59 100
57 0.0 8.6 12.8#

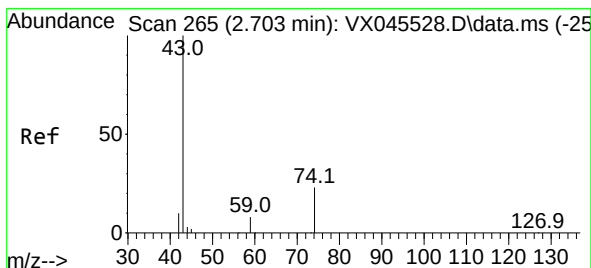
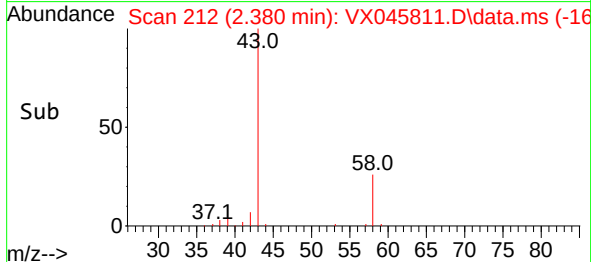
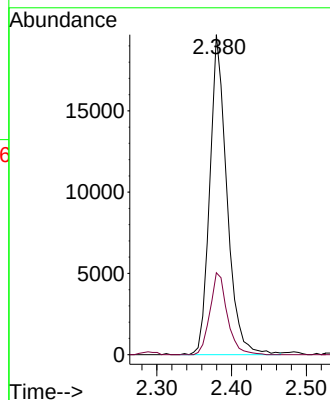
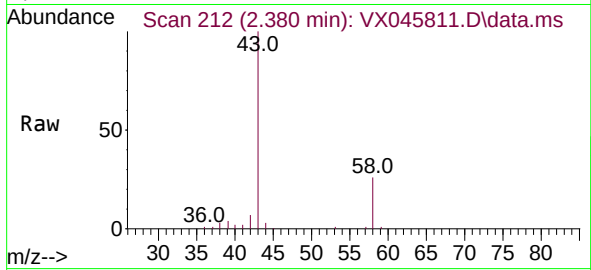




#16
Acetone
Concen: 60.854 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

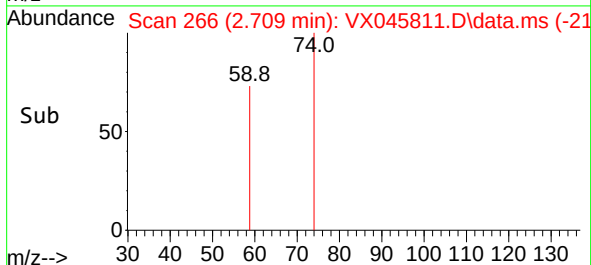
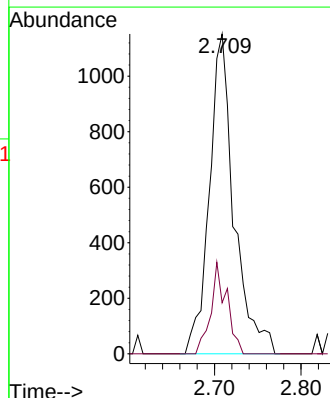
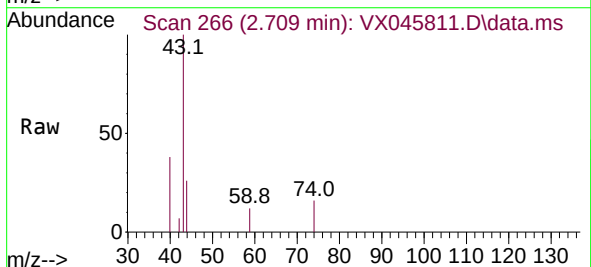
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

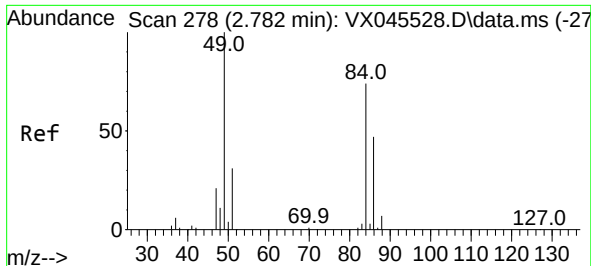
Tgt Ion: 43 Resp: 31391
Ion Ratio Lower Upper
43 100
58 25.6 22.3 33.5



#18
Methyl Acetate
Concen: 1.918 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.006 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 43 Resp: 2278
Ion Ratio Lower Upper
43 100
74 18.6 17.5 26.3





#20

Methylene Chloride

Concen: 3.083 ug/l

RT: 2.788 min Scan# 21

Delta R.T. 0.006 min

Lab File: VX045811.D

Acq: 16 Apr 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-PILE

Tgt Ion: 84 Resp: 2977

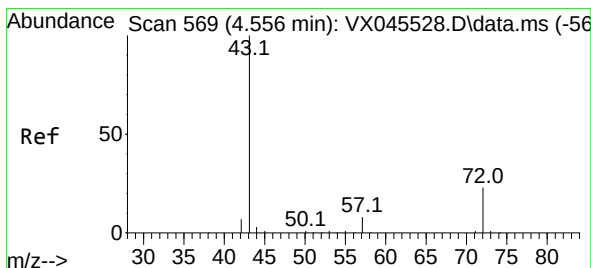
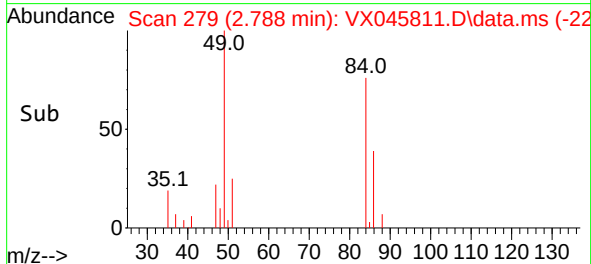
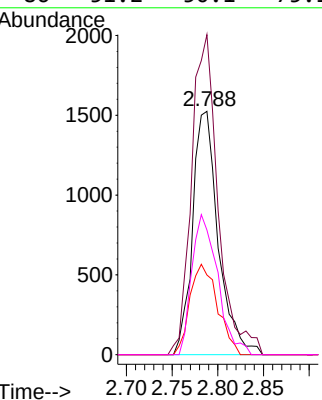
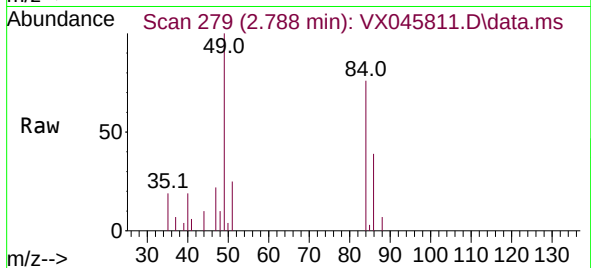
Ion Ratio Lower Upper

84 100

49 131.5 107.5 161.3

51 32.7 33.0 49.6#

86 51.2 50.1 75.1



#25

2-Butanone

Concen: 3.723 ug/l

RT: 4.599 min Scan# 576

Delta R.T. 0.043 min

Lab File: VX045811.D

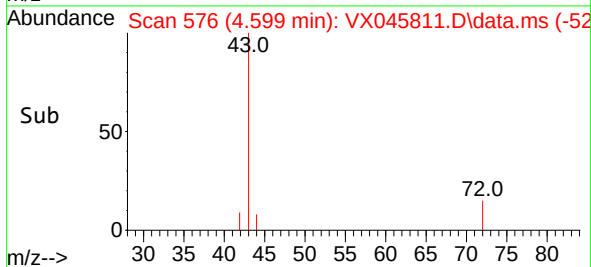
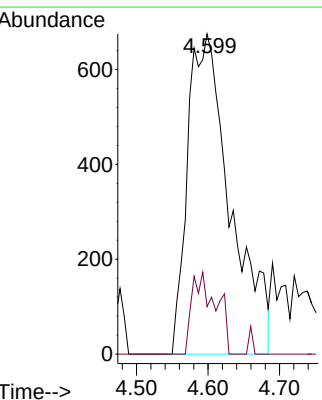
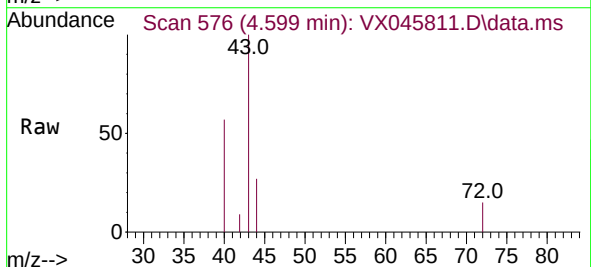
Acq: 16 Apr 2025 16:31

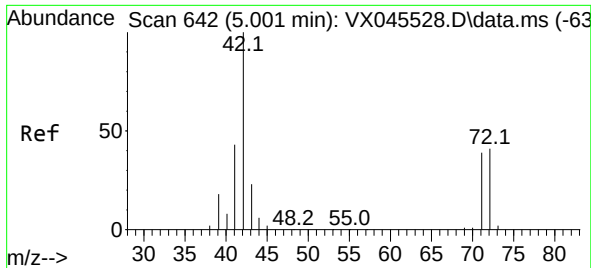
Tgt Ion: 43 Resp: 2811

Ion Ratio Lower Upper

43 100

72 14.8 18.6 28.0#

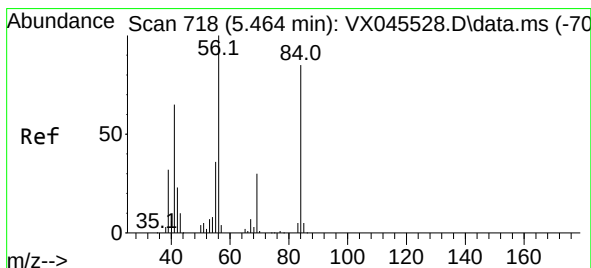
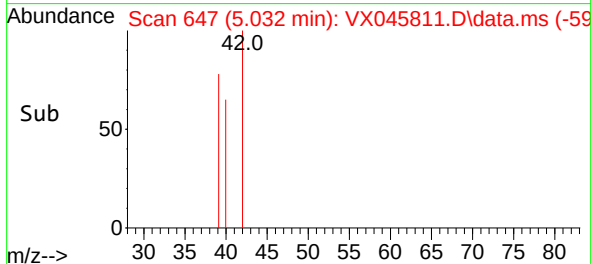
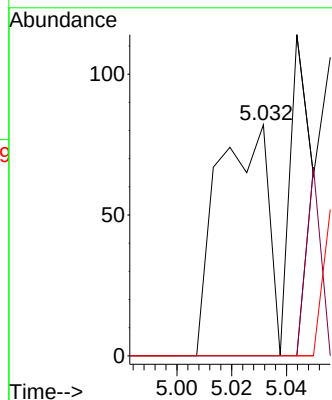
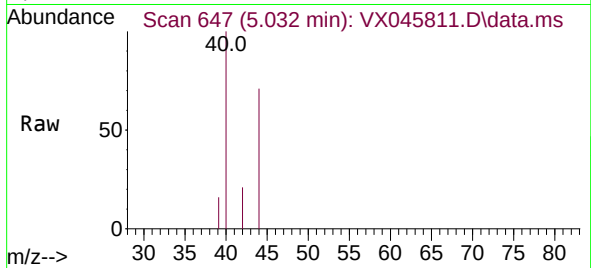




#29
Tetrahydrofuran
Concen: 0.214 ug/l
RT: 5.032 min Scan# 64
Delta R.T. 0.030 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

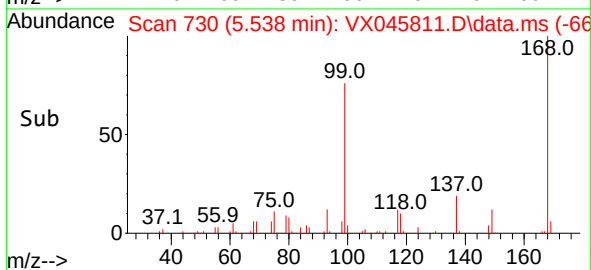
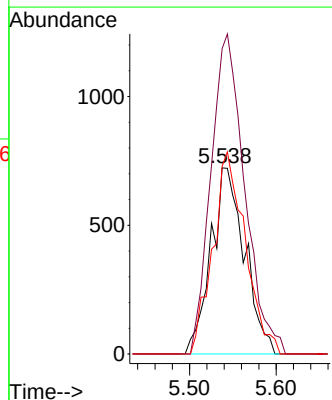
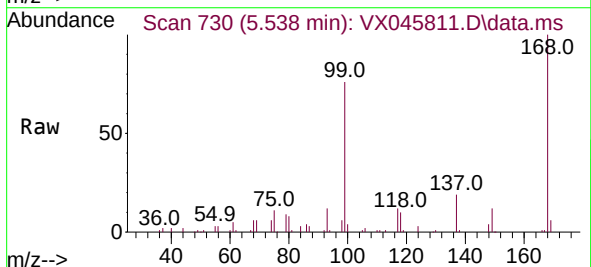
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

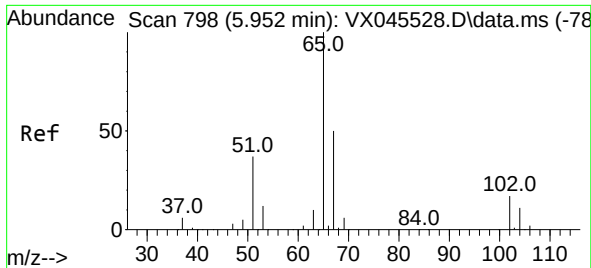
Tgt Ion: 42 Resp: 105
Ion Ratio Lower Upper
42 100
72 0.0 33.4 50.0#
71 0.0 31.4 47.0#



#31
Cyclohexane
Concen: 1.269 ug/l
RT: 5.538 min Scan# 730
Delta R.T. 0.073 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 56 Resp: 1956
Ion Ratio Lower Upper
56 100
69 164.0 23.6 35.4#
84 100.8 67.7 101.5





#33

1,2-Dichloroethane-d4

Concen: 54.237 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045811.D

Acq: 16 Apr 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

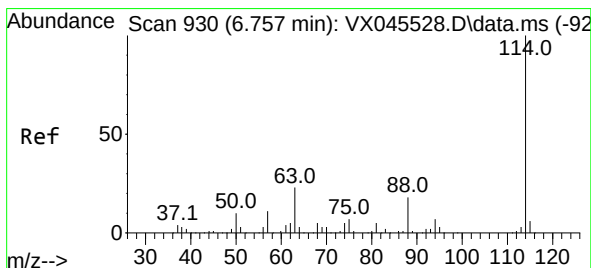
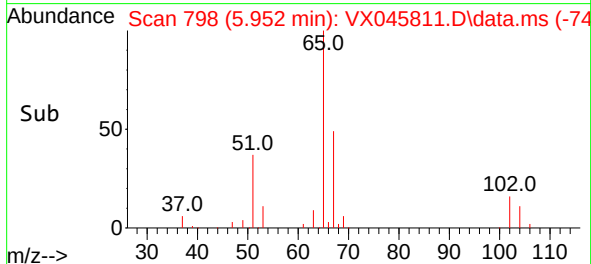
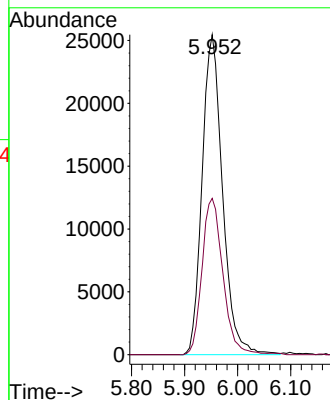
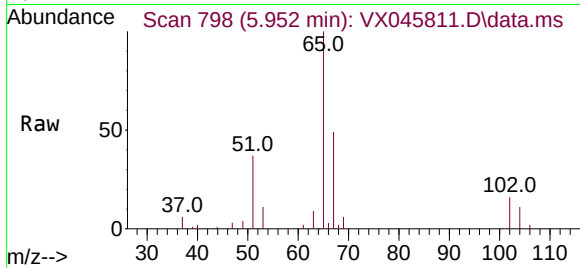
OILY-SOIL-PILE

Tgt Ion: 65 Resp: 68134

Ion Ratio Lower Upper

65 100

67 49.8 0.0 99.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045811.D

Acq: 16 Apr 2025 16:31

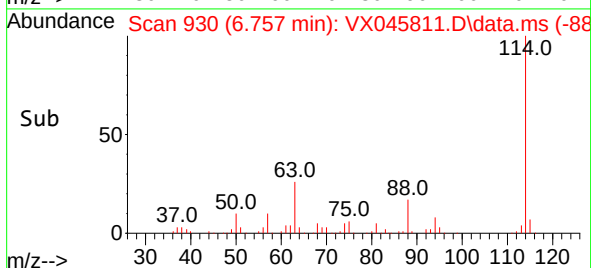
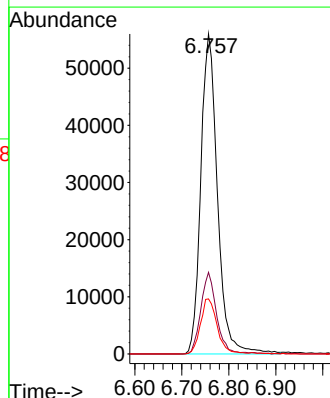
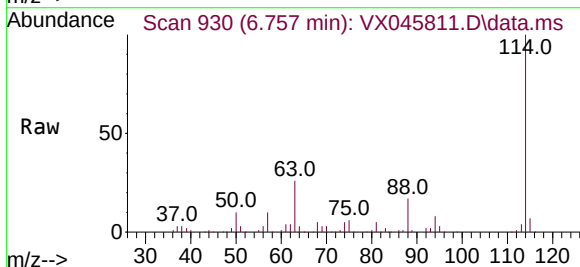
Tgt Ion: 114 Resp: 137895

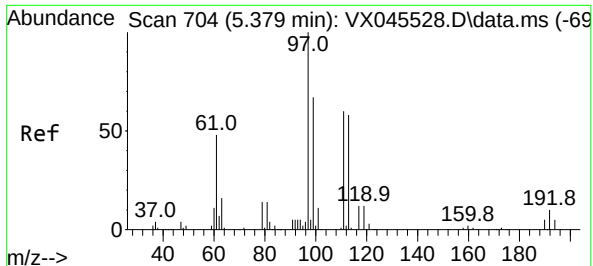
Ion Ratio Lower Upper

114 100

63 25.5 0.0 46.8

88 17.2 0.0 35.4





#35

Dibromofluoromethane

Concen: 49.880 ug/l

RT: 5.385 min Scan# 704

Delta R.T. 0.006 min

Lab File: VX045811.D

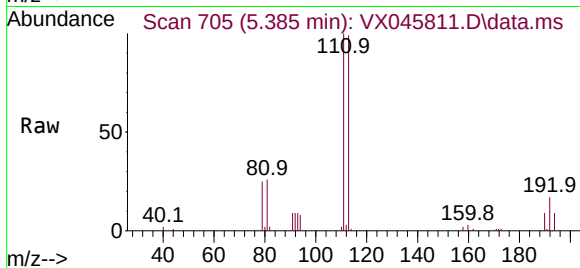
Acq: 16 Apr 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-PILE



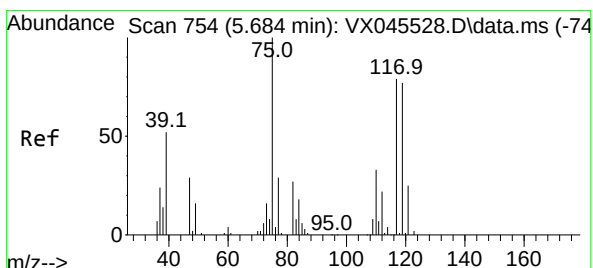
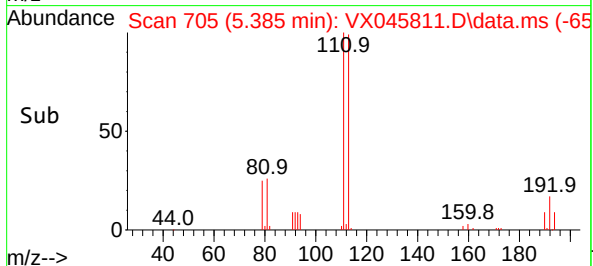
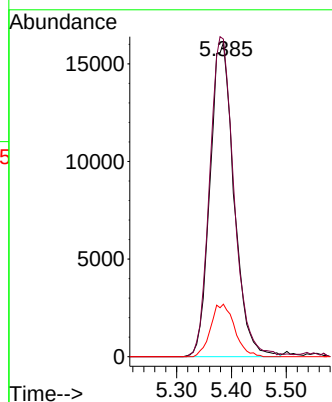
Tgt Ion:113 Resp: 48801

Ion Ratio Lower Upper

113 100

111 103.6 81.8 122.6

192 16.7 13.8 20.6



#36

1,1-Dichloropropene

Concen: 5.126 ug/l

RT: 5.544 min Scan# 731

Delta R.T. -0.140 min

Lab File: VX045811.D

Acq: 16 Apr 2025 16:31

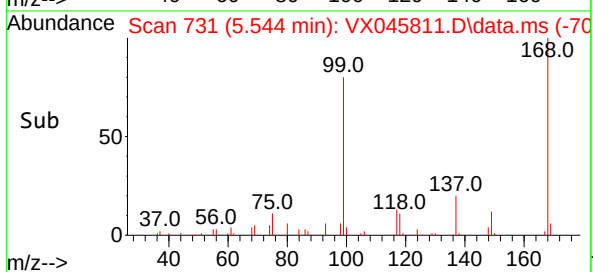
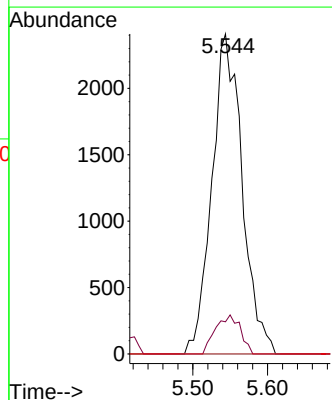
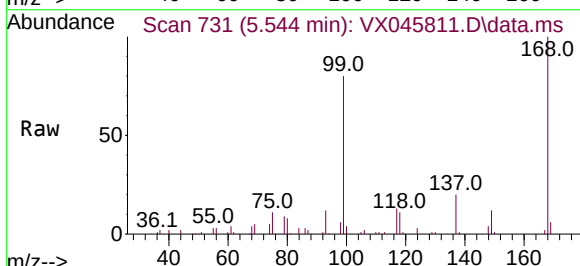
Tgt Ion: 75 Resp: 6772

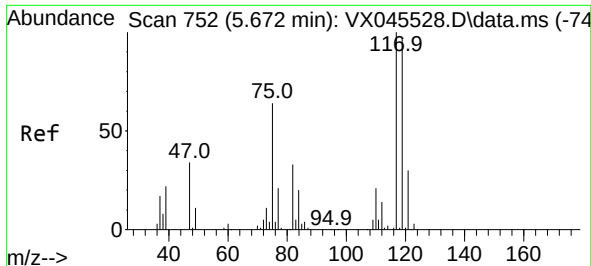
Ion Ratio Lower Upper

75 100

110 10.0 16.9 50.6#

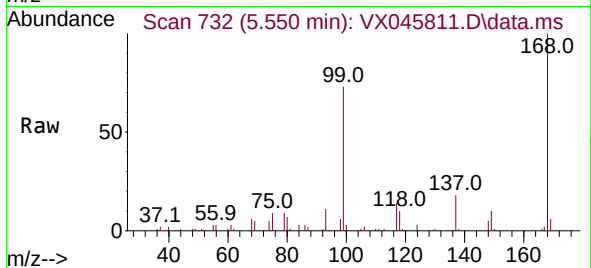
77 0.0 25.0 37.4#



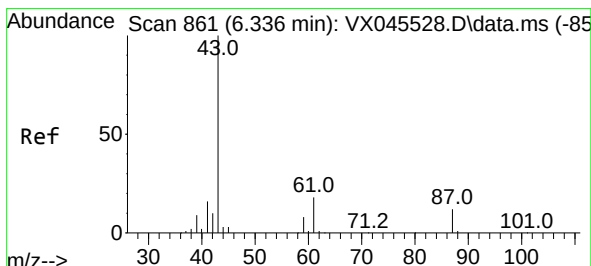
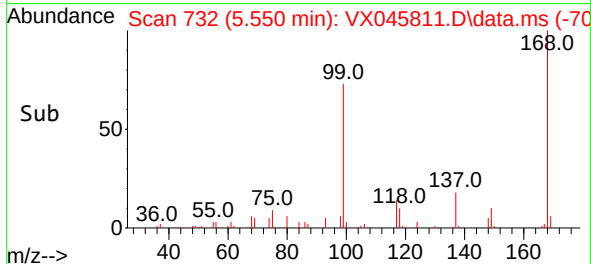
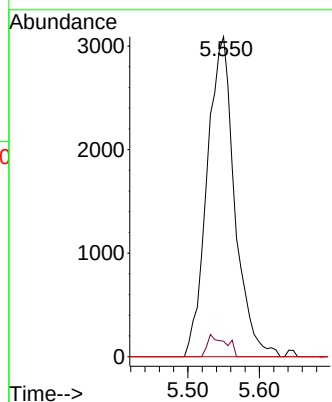


#38
Carbon Tetrachloride
Concen: 5.807 ug/l
RT: 5.550 min Scan# 711
Delta R.T. -0.122 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

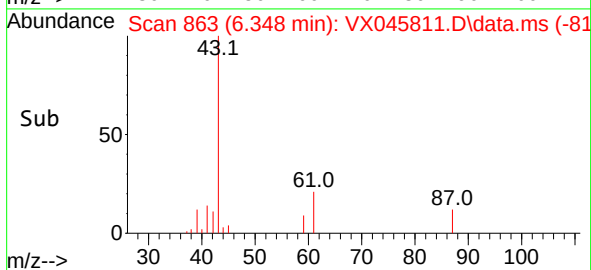
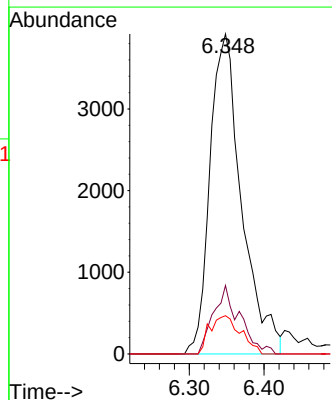
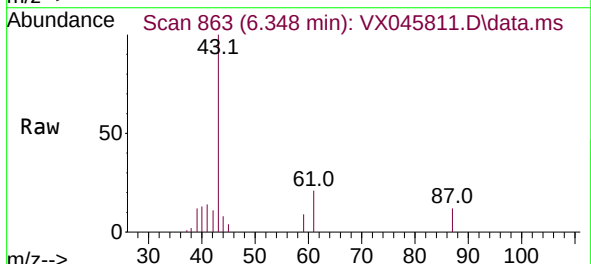


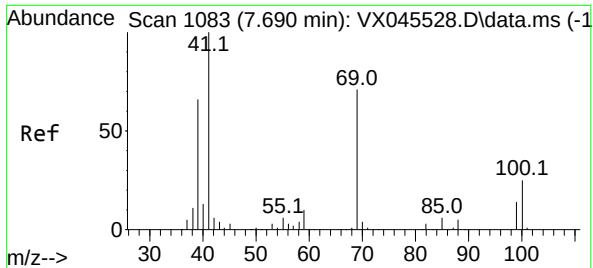
Tgt Ion:117 Resp: 8291
Ion Ratio Lower Upper
117 100
119 4.9 76.9 115.3#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 4.565 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.012 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 43 Resp: 11519
Ion Ratio Lower Upper
43 100
61 17.9 14.1 21.1
87 11.7 9.2 13.8

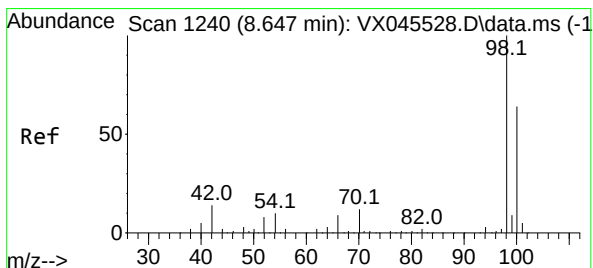
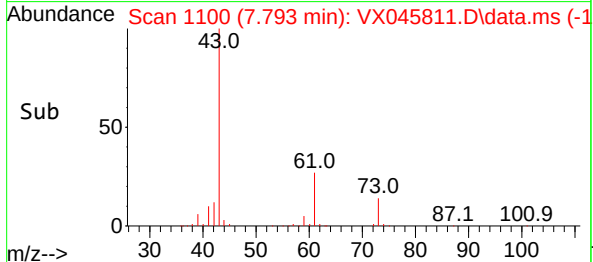
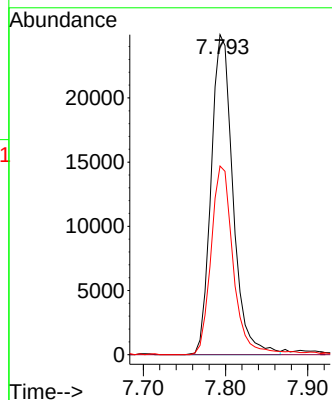
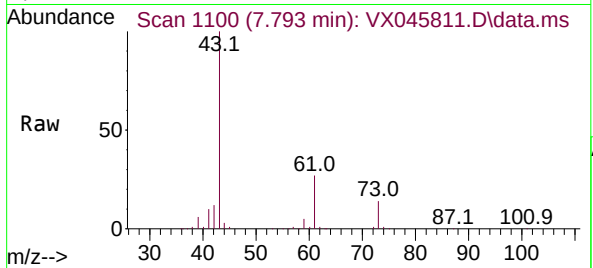




#48
Methyl methacrylate
Concen: 35.337 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

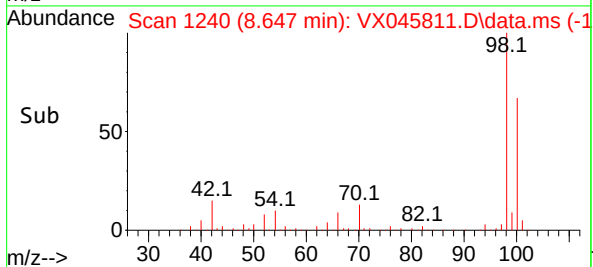
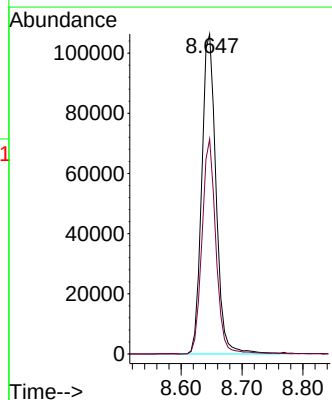
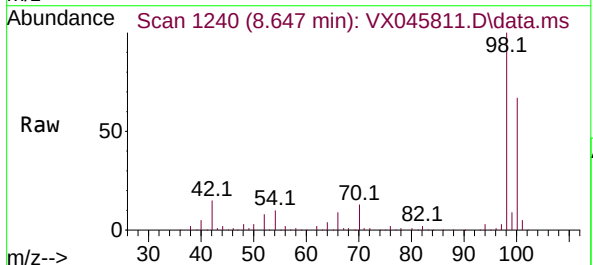
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

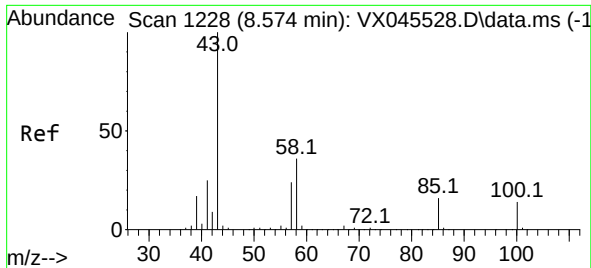
Tgt Ion: 41 Resp: 46035
Ion Ratio Lower Upper
41 100
69 0.0 58.2 87.2#
39 60.2 53.6 80.4



#50
Toluene-d8
Concen: 50.865 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 98 Resp: 173697
Ion Ratio Lower Upper
98 100
100 65.4 52.2 78.4

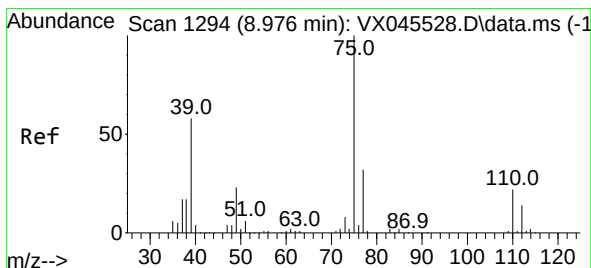
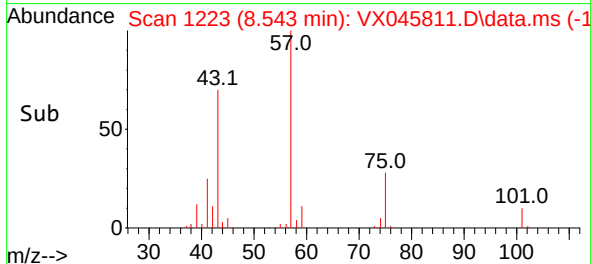
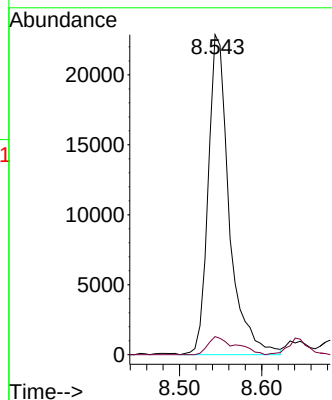
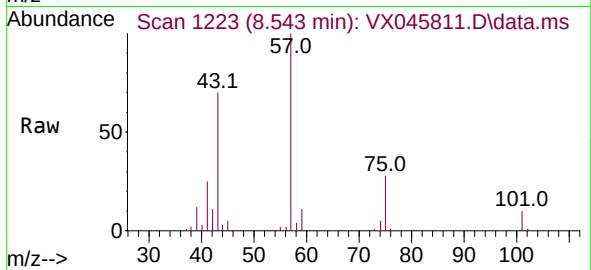




#51
4-Methyl-2-Pentanone
Concen: 24.219 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.030 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

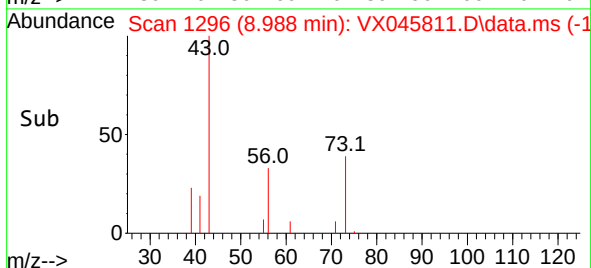
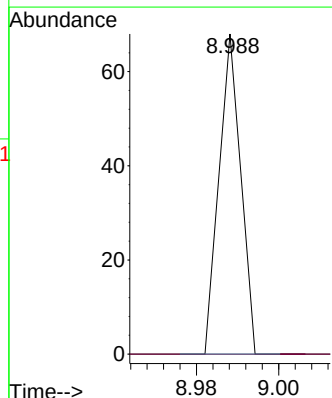
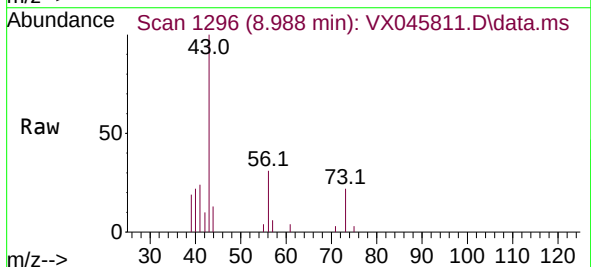
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

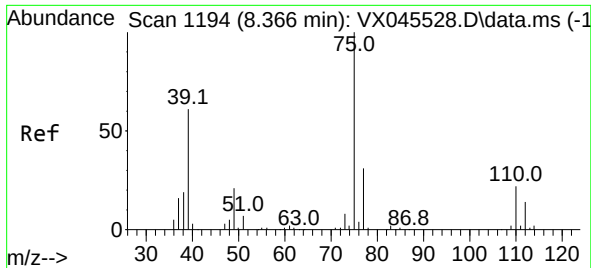
Tgt Ion: 43 Resp: 40509
Ion Ratio Lower Upper
43 100
58 7.4 28.5 42.7#



#53
t-1,3-Dichloropropene
Concen: 2.305 ug/l
RT: 8.988 min Scan# 1296
Delta R.T. 0.012 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 75 Resp: 25
Ion Ratio Lower Upper
75 100
77 0.0 25.4 38.0#

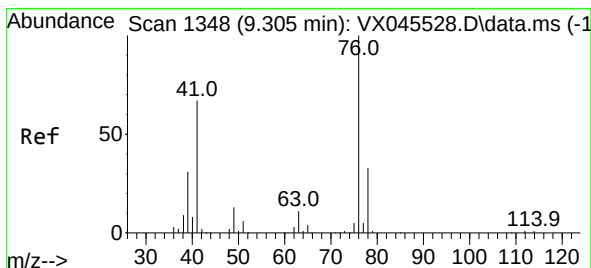
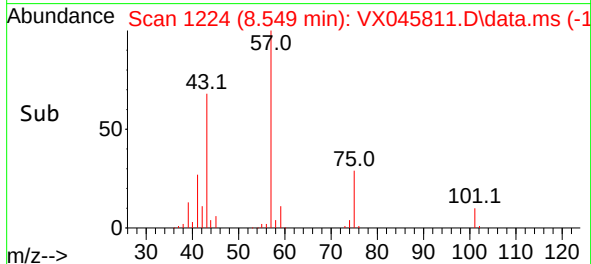
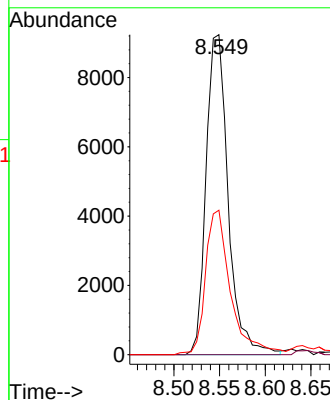
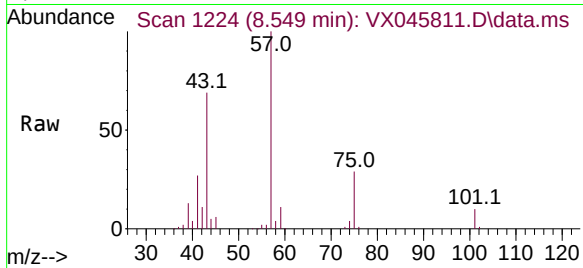




#54
 cis-1,3-Dichloropropene
 Concen: 10.686 ug/l
 RT: 8.549 min Scan# 1194
 Delta R.T. 0.183 min
 Lab File: VX045811.D
 Acq: 16 Apr 2025 16:31

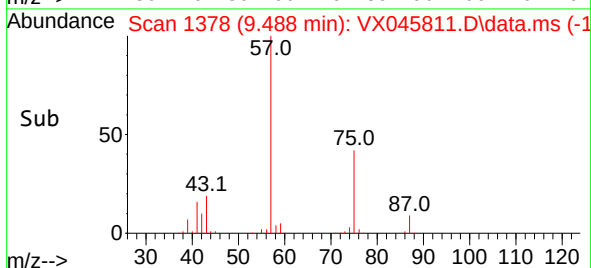
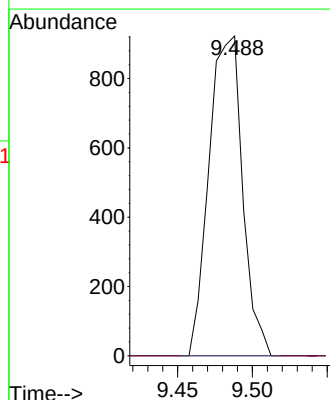
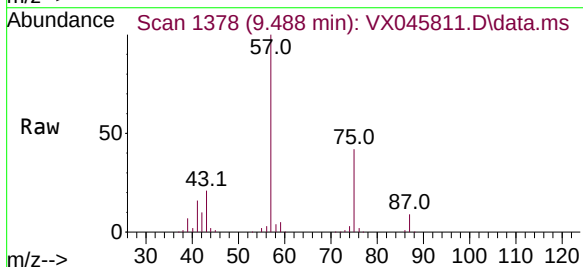
Instrument :
 MSVOA_X
 ClientSampleId :
 OILY-SOIL-PILE

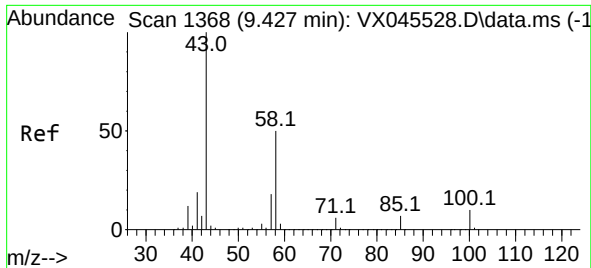
Tgt Ion: 75 Resp: 15497
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.6 36.8#
 39 44.6 48.4 72.6#



#57
 1,3-Dichloropropane
 Concen: 0.851 ug/l
 RT: 9.488 min Scan# 1378
 Delta R.T. 0.183 min
 Lab File: VX045811.D
 Acq: 16 Apr 2025 16:31

Tgt Ion: 76 Resp: 1441
 Ion Ratio Lower Upper
 76 100
 78 0.0 26.0 39.0#

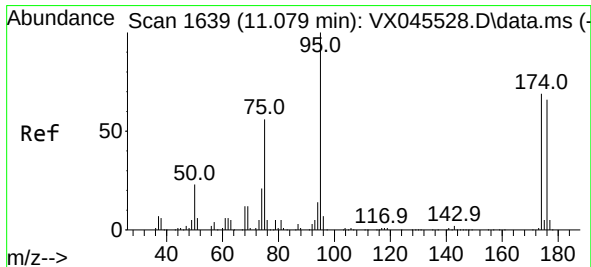
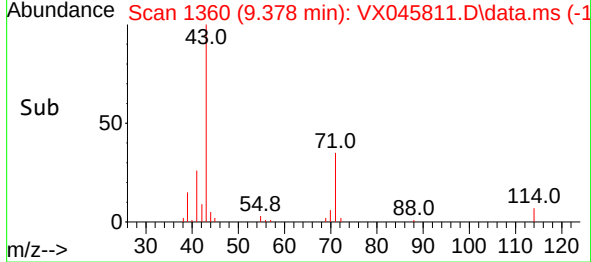
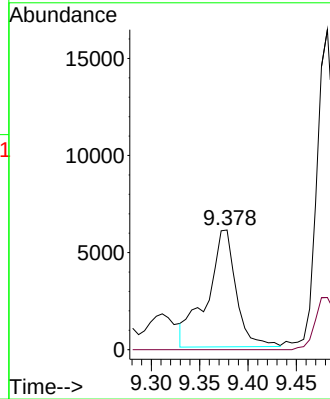
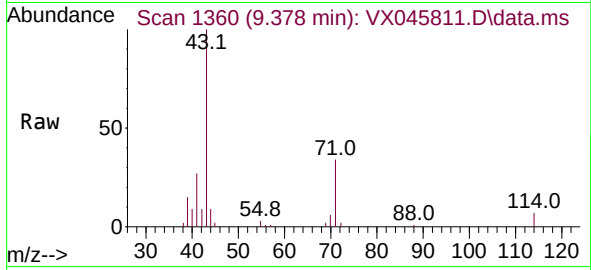




#59
2-Hexanone
Concen: 10.078 ug/l
RT: 9.378 min Scan# 11
Delta R.T. -0.049 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

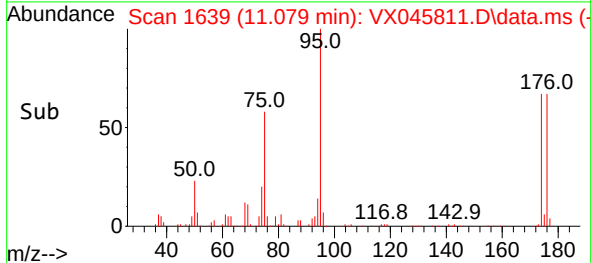
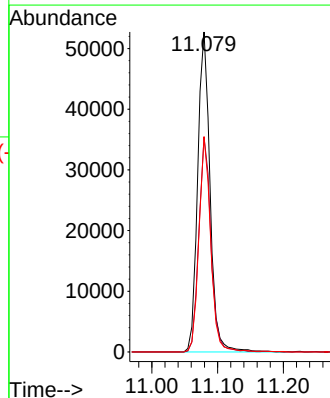
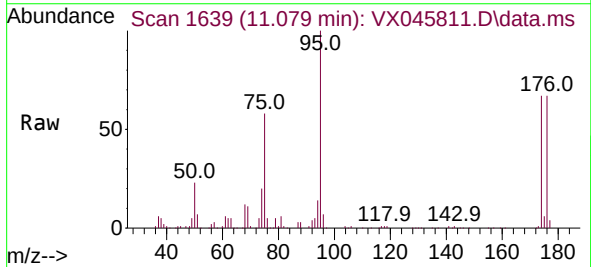
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

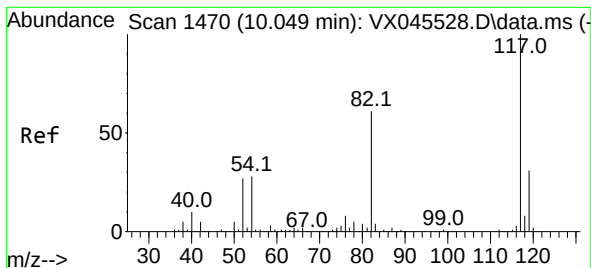
Tgt Ion: 43 Resp: 12483
Ion Ratio Lower Upper
43 100
58 0.0 24.9 74.6#



#62
4-Bromofluorobenzene
Concen: 54.967 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Tgt Ion: 95 Resp: 68372
Ion Ratio Lower Upper
95 100
174 66.3 0.0 135.8
176 64.6 0.0 131.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045811.D

Acq: 16 Apr 2025 16:31

Instrument :

MSVOA_X

ClientSampleId :

OILY-SOIL-PILE

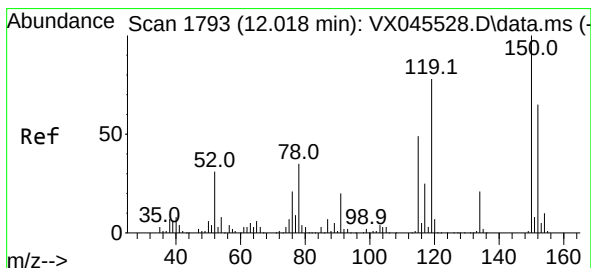
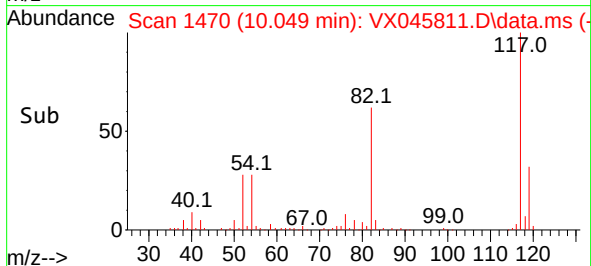
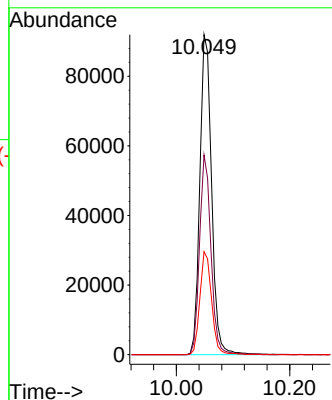
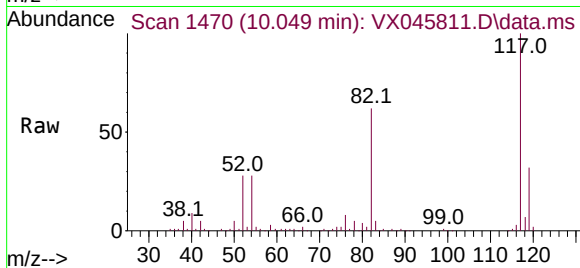
Tgt Ion:117 Resp: 132226

Ion Ratio Lower Upper

117 100

82 62.4 49.2 73.8

119 32.2 25.1 37.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045811.D

Acq: 16 Apr 2025 16:31

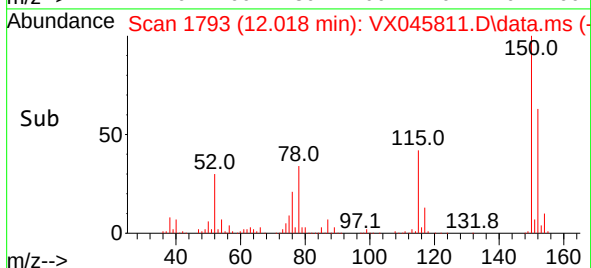
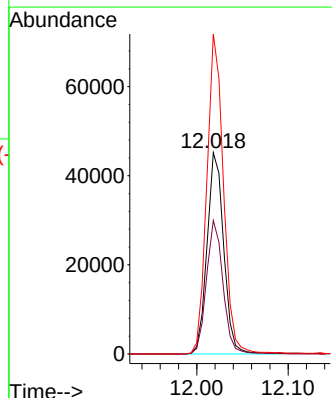
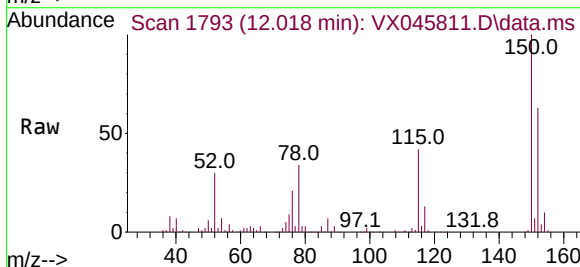
Tgt Ion:152 Resp: 57054

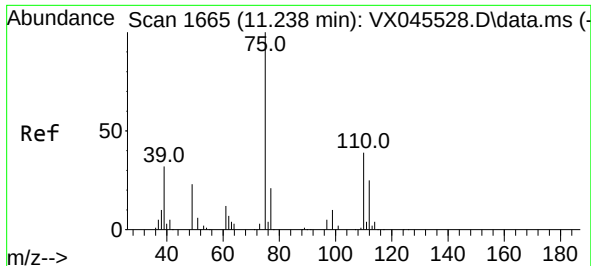
Ion Ratio Lower Upper

152 100

115 66.0 46.9 140.7

150 158.8 0.0 349.4

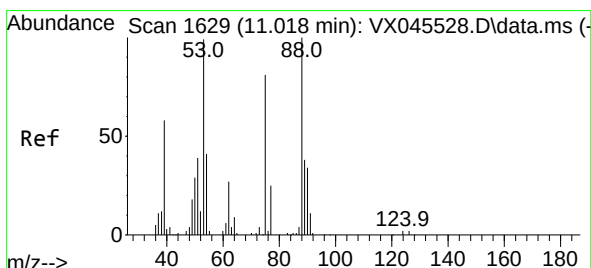
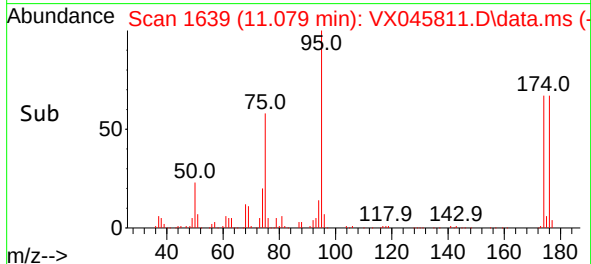
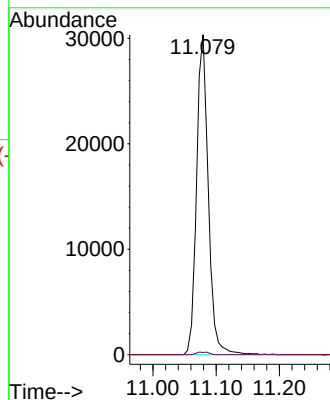
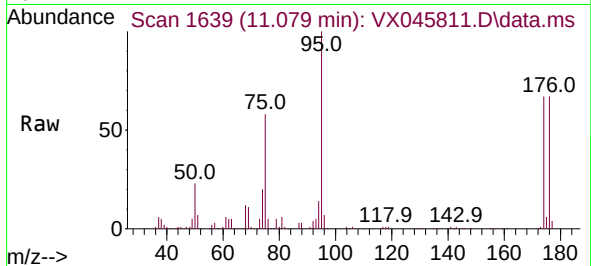




#76
1,2,3-Trichloropropane
Concen: 28.122 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

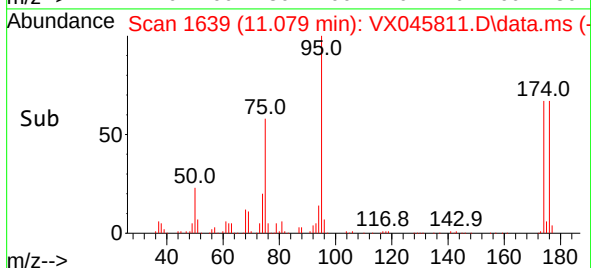
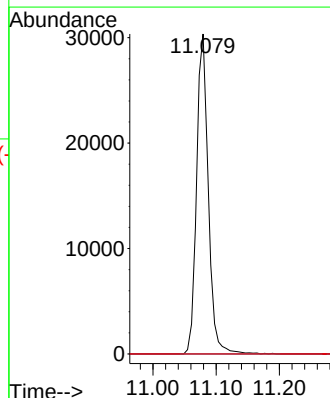
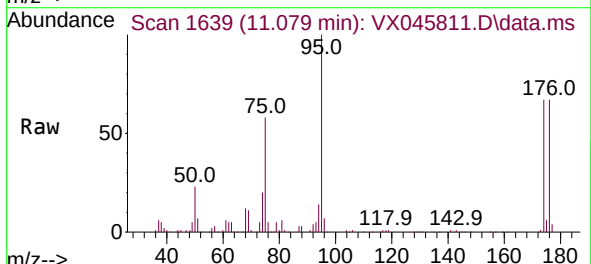
Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE

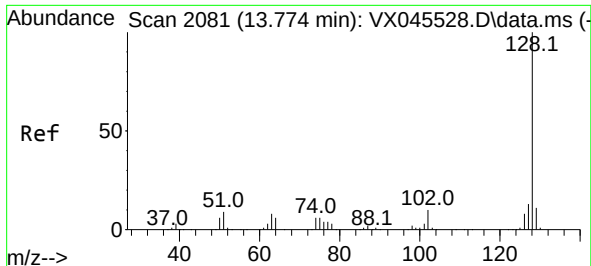
Tgt Ion: 75 Resp: 39137
Ion Ratio Lower Upper
75 100
77 0.8 20.0 59.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.443 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

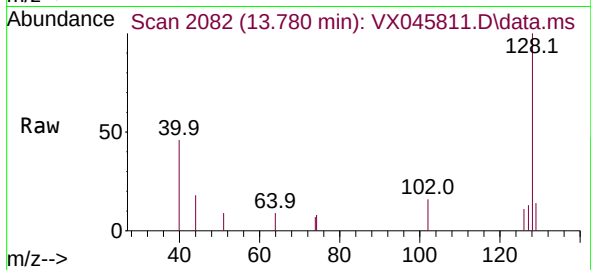
Tgt Ion: 75 Resp: 39137
Ion Ratio Lower Upper
75 100
53 0.0 101.8 152.6#
89 0.0 37.2 55.8#





#95
Naphthalene
Concen: 0.444 ug/l
RT: 13.780 min Scan# 2082
Delta R.T. 0.006 min
Lab File: VX045811.D
Acq: 16 Apr 2025 16:31

Instrument :
MSVOA_X
ClientSampleId :
OILY-SOIL-PILE



Tgt Ion:128 Resp: 1758
Ion Ratio Lower Upper
128 100
127 10.9 10.3 15.5
129 6.9 8.6 12.8#

