

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX030625\
 Data File : VX045177.D
 Acq On : 06 Mar 2025 18:35
 Operator : JC/MD
 Sample : Q1494-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 ASPHALT-SOIL

Quant Time: Mar 07 00:49:32 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)

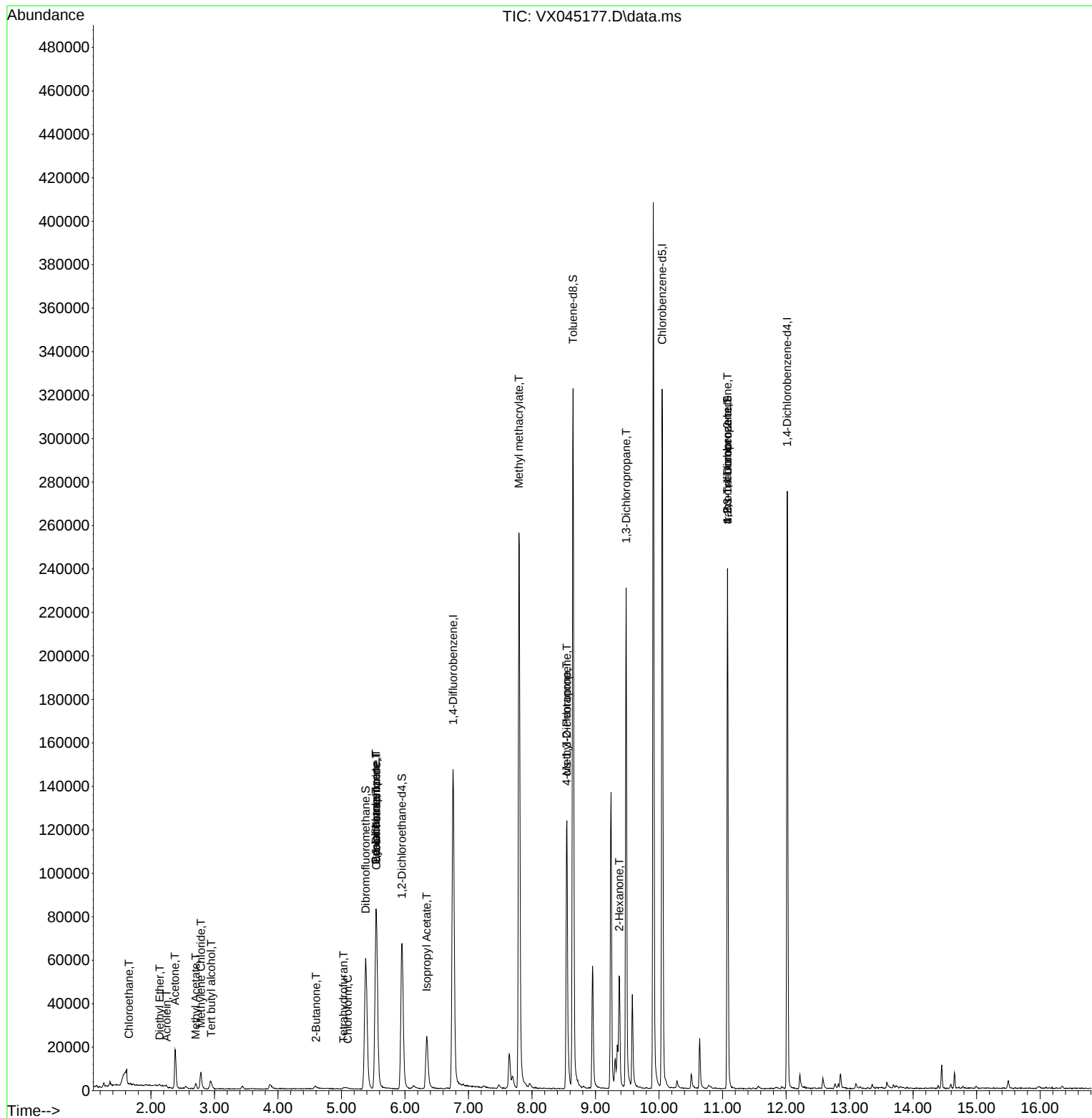
Internal Standards						
1) Pentafluorobenzene	5.544	168	76042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.757	114	150194	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	138916	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	54345	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.952	65	64892	53.649	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.300%	
35) Dibromofluoromethane	5.379	113	52345	52.120	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.240%	
50) Toluene-d8	8.647	98	190206	52.241	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.480%	
62) 4-Bromofluorobenzene	11.079	95	62120	51.487	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.980%	
Target Compounds						
					Qvalue	
6) Chloroethane	1.654	64	110	0.205	ug/l #	41
8) Diethyl Ether	2.136	74	183	0.304	ug/l #	40
11) Tert butyl alcohol	2.947	59	2350	10.257	ug/l #	73
13) Acrolein	2.245	56	70	0.264	ug/l #	1
16) Acetone	2.380	43	19854	35.378	ug/l	100
18) Methyl Acetate	2.703	43	3136	2.323	ug/l	99
20) Methylene Chloride	2.788	84	3460	3.112	ug/l #	93
25) 2-Butanone	4.599	43	2901	3.434	ug/l	92
29) Tetrahydrofuran	5.032	42	583	1.028	ug/l #	48
30) Chloroform	5.099	83	683	0.363	ug/l	98
31) Cyclohexane	5.544	56	1815	1.103	ug/l #	6
36) 1,1-Dichloropropene	5.544	75	6916	5.021	ug/l #	49
38) Carbon Tetrachloride	5.550	117	8251	5.901	ug/l #	16
43) Isopropyl Acetate	6.342	43	35177	13.404	ug/l	99
48) Methyl methacrylate	7.793	41	24274	18.437	ug/l #	47
51) 4-Methyl-2-Pentanone	8.543	43	49412	28.041	ug/l #	52
54) cis-1,3-Dichloropropene	8.549	75	19988	13.225	ug/l #	68
57) 1,3-Dichloropropane	9.482	76	2102	1.156	ug/l #	43
59) 2-Hexanone	9.372	43	44402	34.778	ug/l #	26
76) 1,2,3-Trichloropropane	11.079	75	33314	26.338	ug/l #	36
81) trans-1,4-Dichloro-2-b...	11.079	75	33314	90.132	ug/l #	6

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

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Quant Title : SW846 8260
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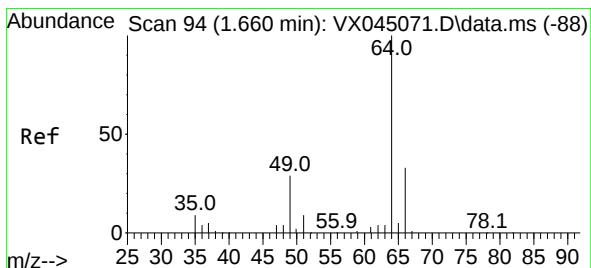
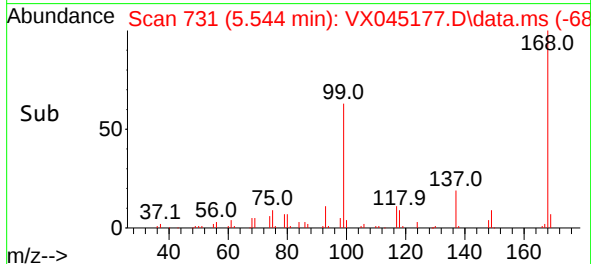
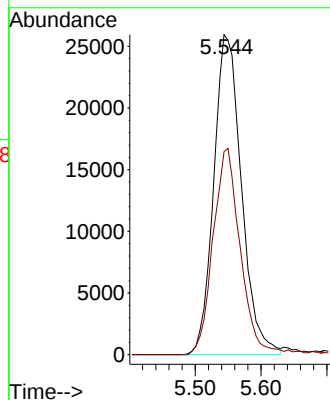
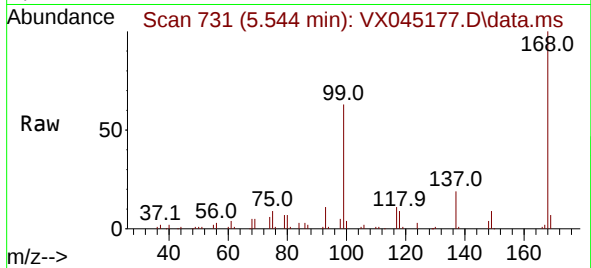




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.544 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

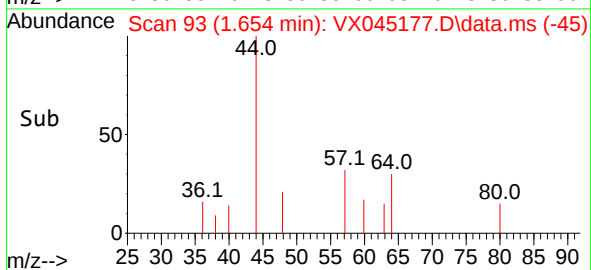
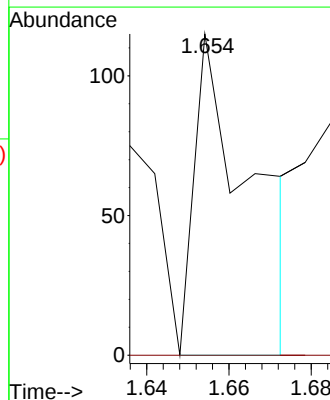
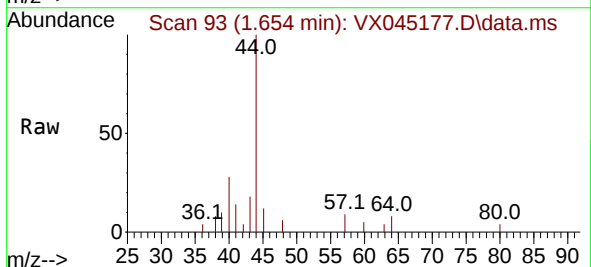
Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

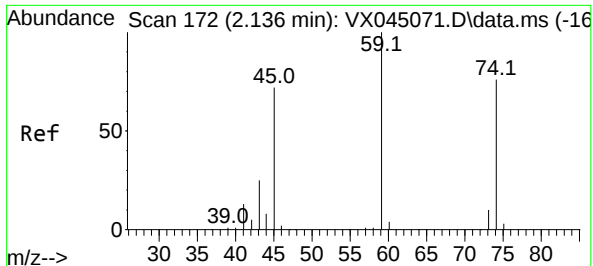
Tgt Ion:168 Resp: 76042
Ion Ratio Lower Upper
168 100
99 63.5 48.2 72.4



#6
Chloroethane
Concen: 0.205 ug/l
RT: 1.654 min Scan# 93
Delta R.T. -0.006 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 64 Resp: 110
Ion Ratio Lower Upper
64 100
66 0.0 26.7 40.1#





#8

Diethyl Ether

Concen: 0.304 ug/l

RT: 2.136 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

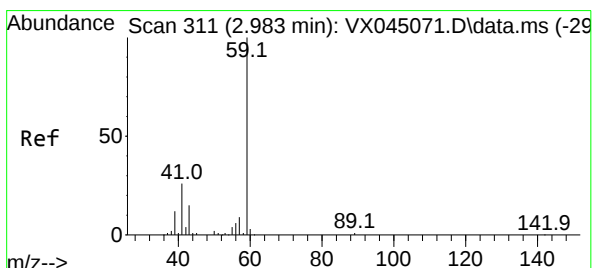
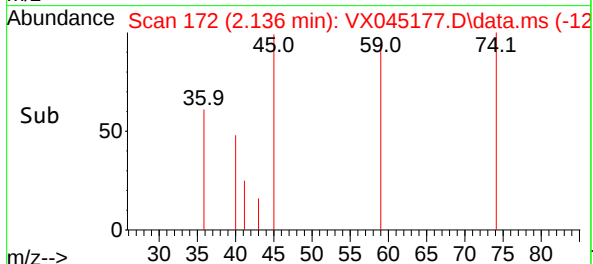
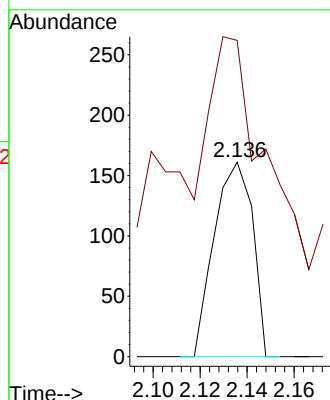
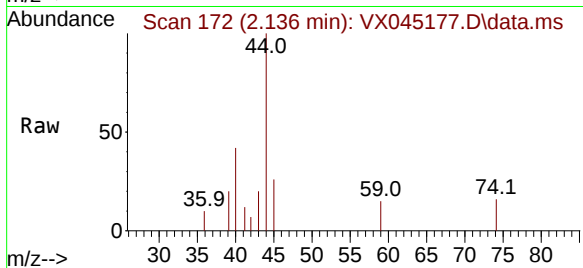
ASPHALT-SOIL

Tgt Ion: 74 Resp: 183

Ion Ratio Lower Upper

74 100

45 163.9 51.5 154.5#



#11

Tert butyl alcohol

Concen: 10.257 ug/l

RT: 2.947 min Scan# 305

Delta R.T. -0.037 min

Lab File: VX045177.D

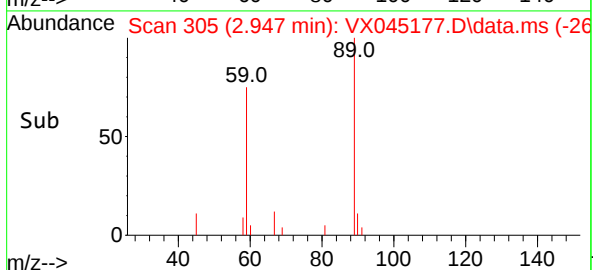
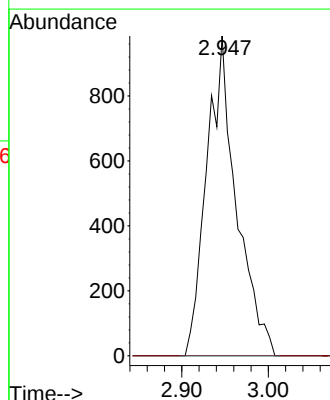
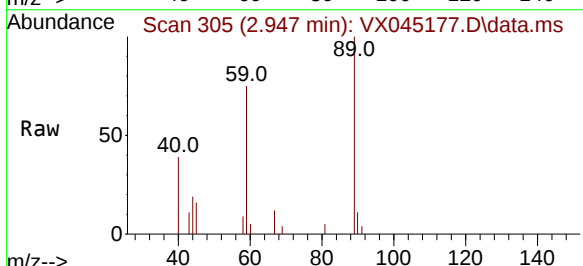
Acq: 06 Mar 2025 18:35

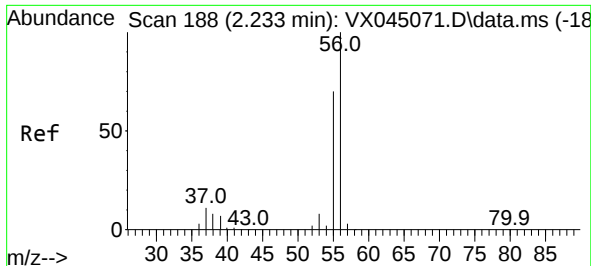
Tgt Ion: 59 Resp: 2350

Ion Ratio Lower Upper

59 100

57 0.0 7.8 11.8#





#13

Acrolein

Concen: 0.264 ug/l

RT: 2.245 min Scan# 19

Delta R.T. 0.012 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

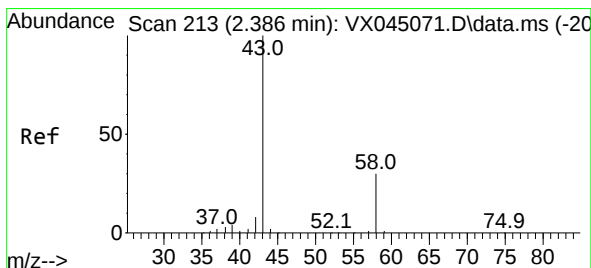
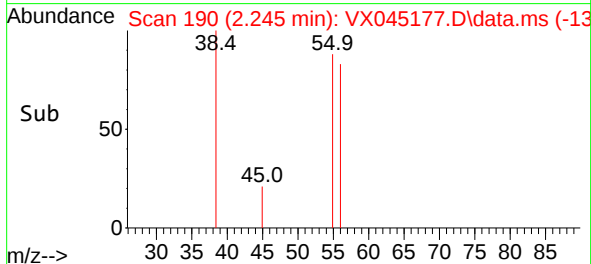
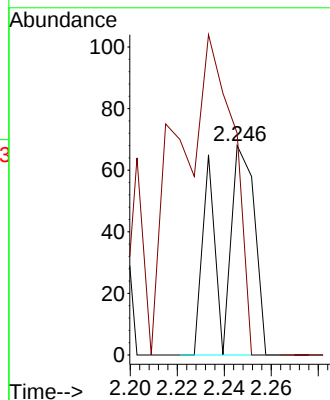
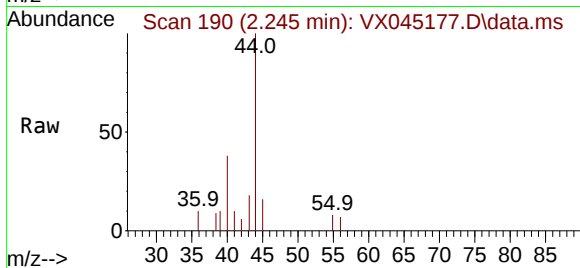
ASPHALT-SOIL

Tgt Ion: 56 Resp: 70

Ion Ratio Lower Upper

56 100

55 275.7 56.2 84.4#



#16

Acetone

Concen: 35.378 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.006 min

Lab File: VX045177.D

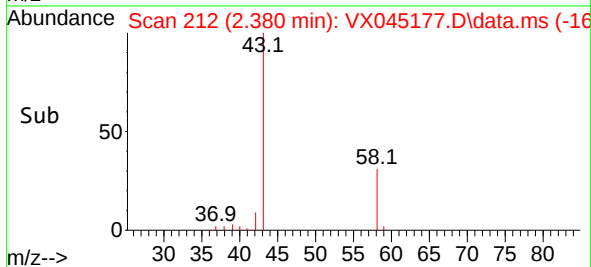
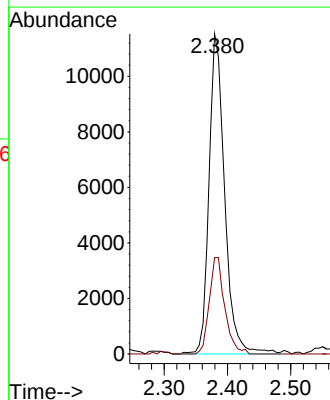
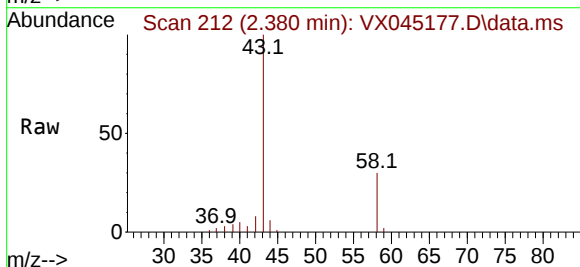
Acq: 06 Mar 2025 18:35

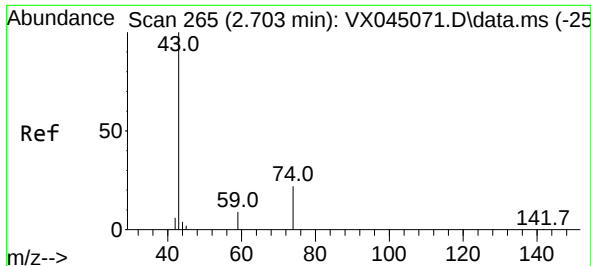
Tgt Ion: 43 Resp: 19854

Ion Ratio Lower Upper

43 100

58 30.1 24.2 36.4

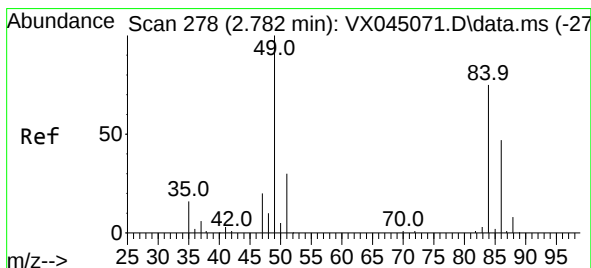
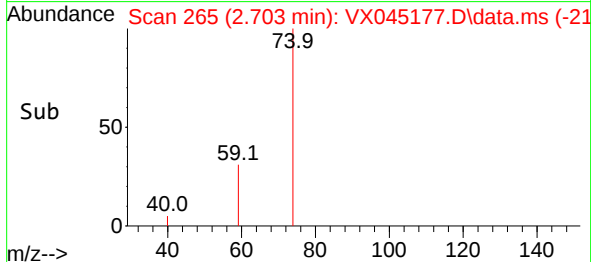
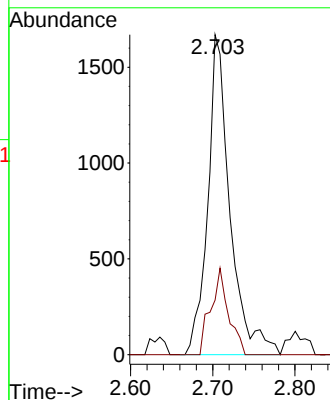
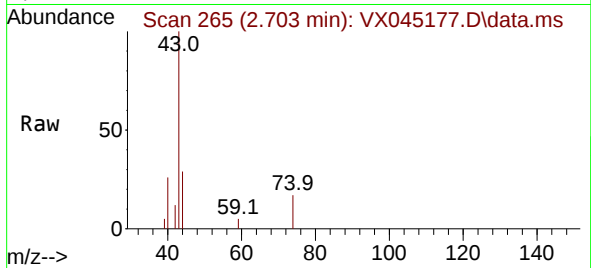




#18
Methyl Acetate
Concen: 2.323 ug/l
RT: 2.703 min Scan# 218
Delta R.T. -0.000 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

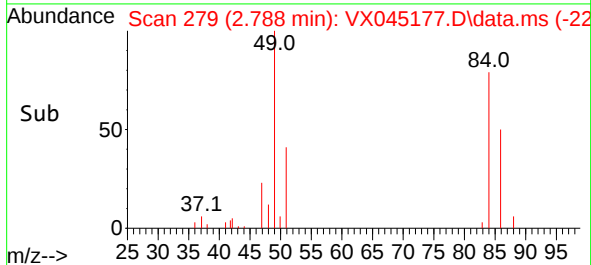
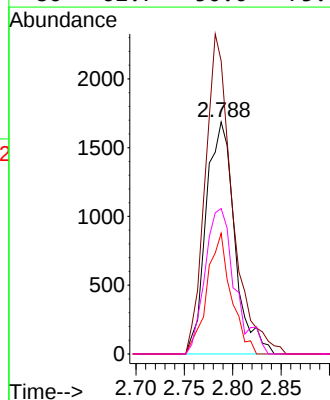
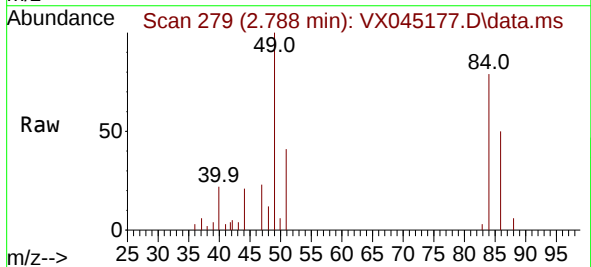
Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

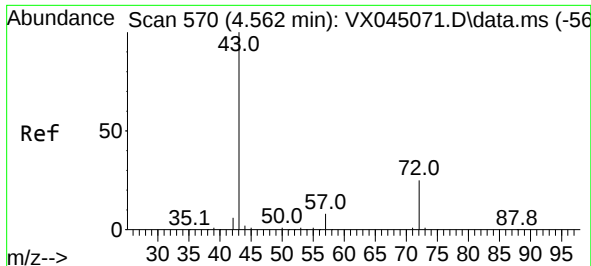
Tgt Ion: 43 Resp: 3136
Ion Ratio Lower Upper
43 100
74 21.6 17.4 26.2



#20
Methylene Chloride
Concen: 3.112 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.006 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 84 Resp: 3460
Ion Ratio Lower Upper
84 100
49 126.3 106.5 159.7
51 52.0 32.1 48.1#
86 62.7 50.0 75.0

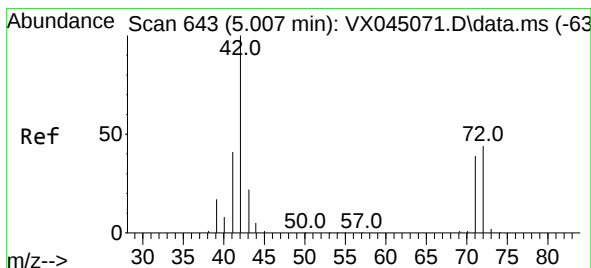
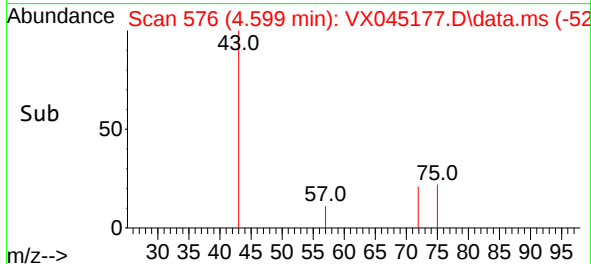
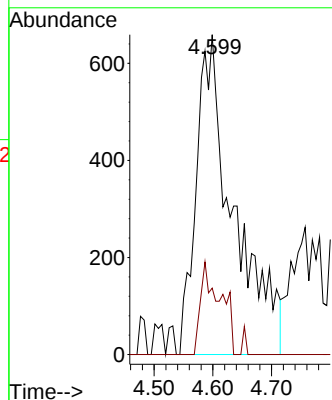
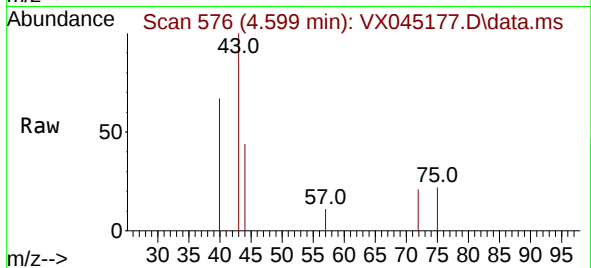




#25
2-Butanone
Concen: 3.434 ug/l
RT: 4.599 min Scan# 51
Delta R.T. 0.037 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

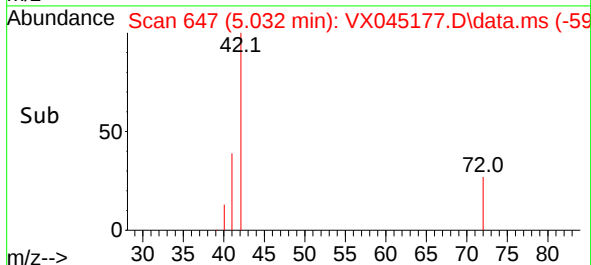
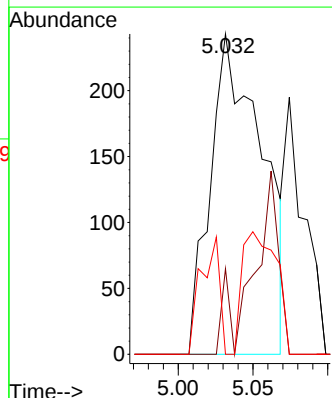
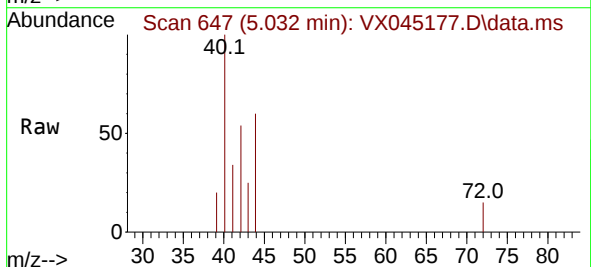
Instrument :
MSVOA_X
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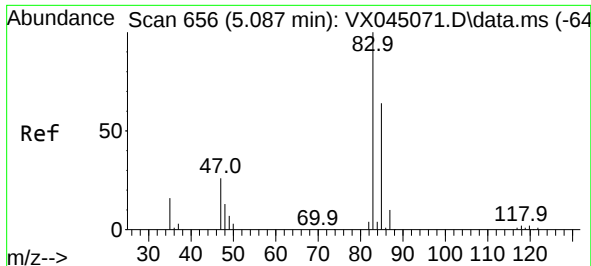
Tgt Ion: 43 Resp: 2901
Ion Ratio Lower Upper
43 100
72 20.8 20.0 30.0



#29
Tetrahydrofuran
Concen: 1.028 ug/l
RT: 5.032 min Scan# 647
Delta R.T. 0.024 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 42 Resp: 583
Ion Ratio Lower Upper
42 100
72 4.1 34.1 51.1#
71 13.4 31.4 47.0#





#30

Chloroform

Concen: 0.363 ug/l

RT: 5.099 min Scan# 6

Delta R.T. 0.012 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

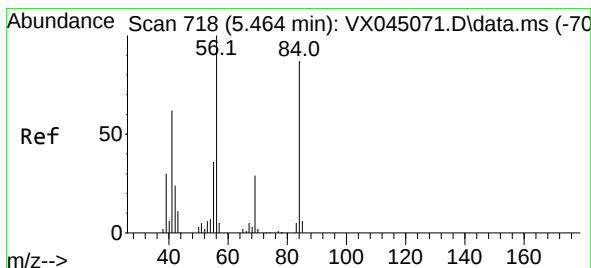
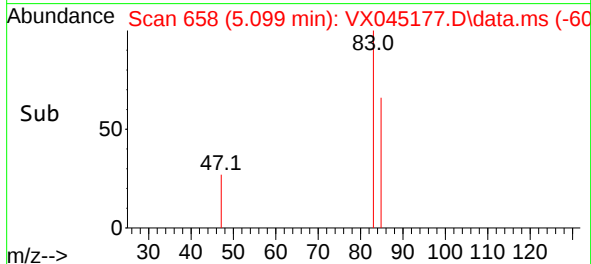
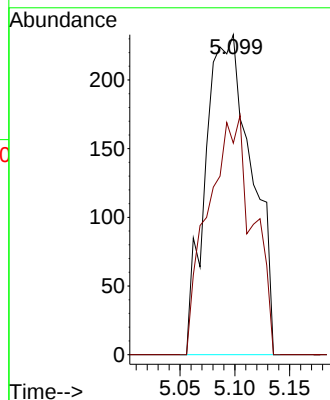
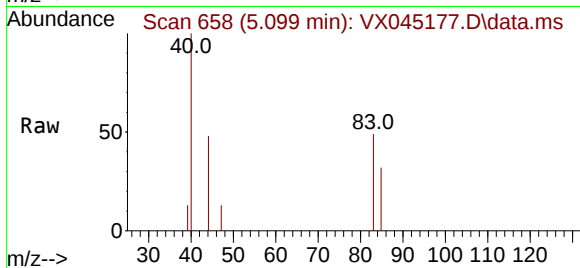
ASPHALT-SOIL

Tgt Ion: 83 Resp: 683

Ion Ratio Lower Upper

83 100

85 66.1 51.4 77.2



#31

Cyclohexane

Concen: 1.103 ug/l

RT: 5.544 min Scan# 731

Delta R.T. 0.079 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

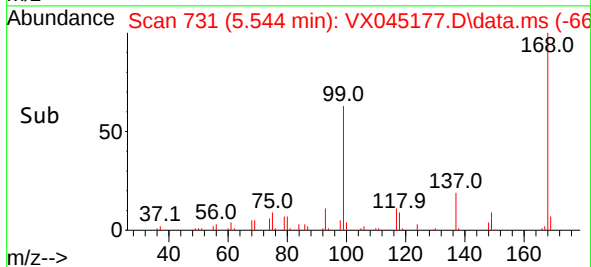
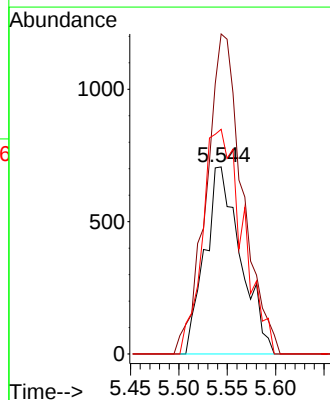
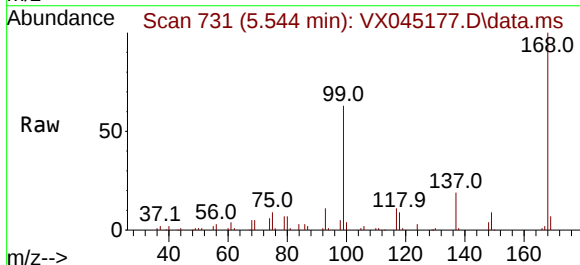
Tgt Ion: 56 Resp: 1815

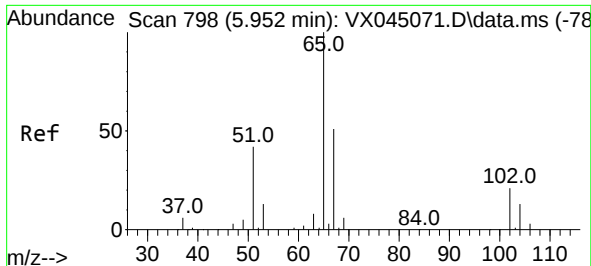
Ion Ratio Lower Upper

56 100

69 171.0 23.4 35.2#

84 120.1 69.4 104.2#





#33

1,2-Dichloroethane-d4

Concen: 53.649 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

Instrument :

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ClientSampleId :

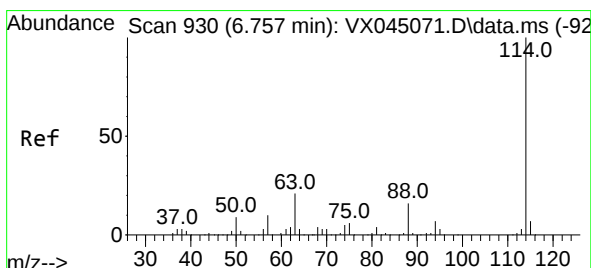
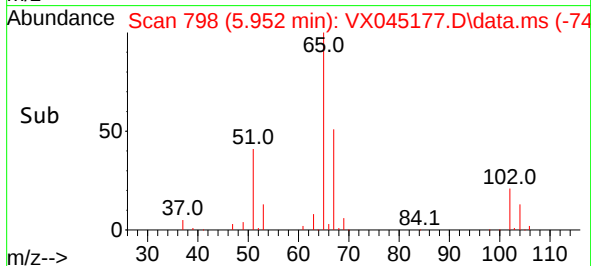
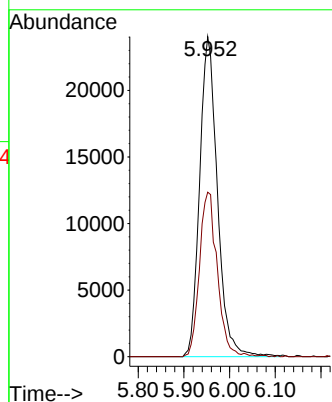
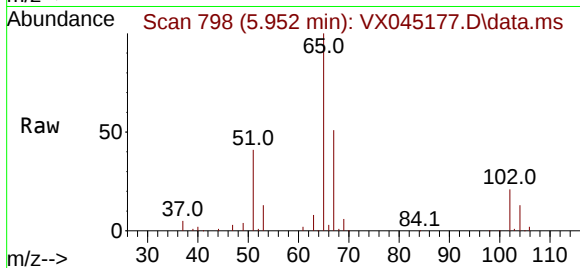
ASPHALT-SOIL

Tgt Ion: 65 Resp: 64892

Ion Ratio Lower Upper

65 100

67 50.9 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

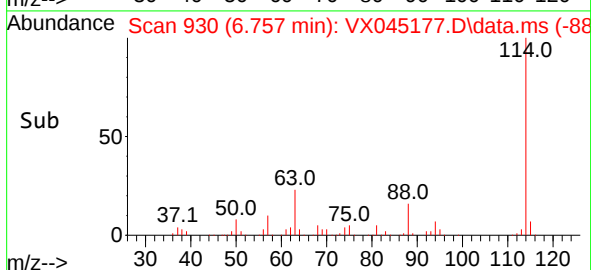
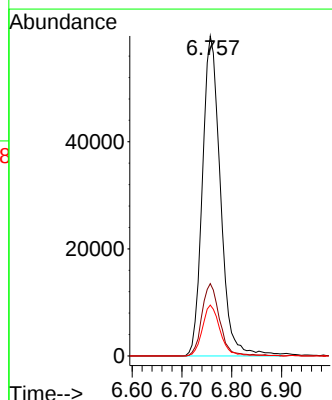
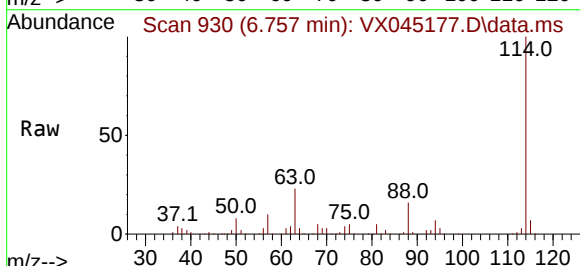
Tgt Ion: 114 Resp: 150194

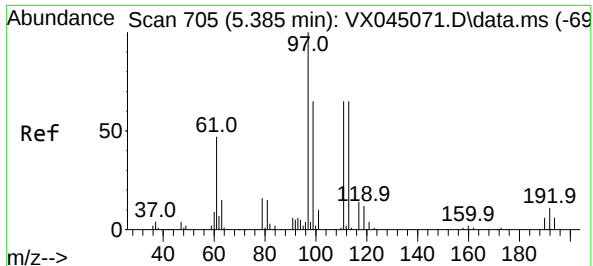
Ion Ratio Lower Upper

114 100

63 22.6 0.0 41.8

88 15.9 0.0 32.8

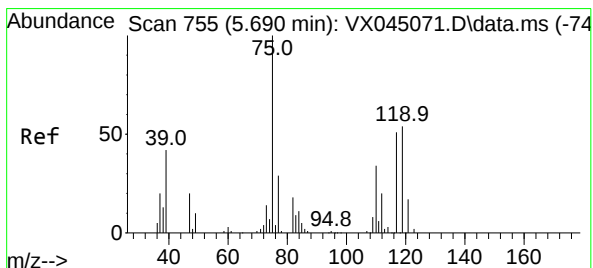
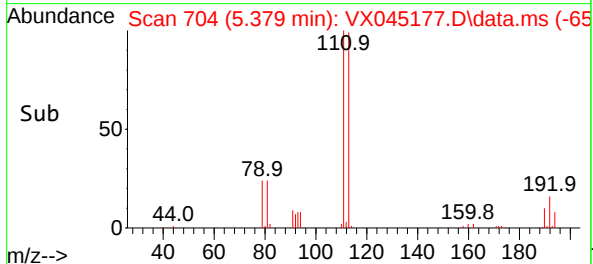
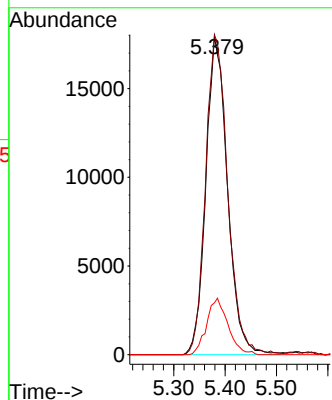
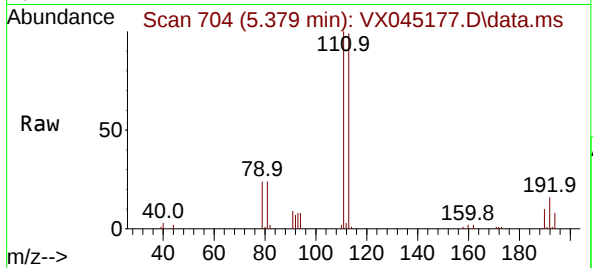




#35
Dibromofluoromethane
Concen: 52.120 ug/l
RT: 5.379 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

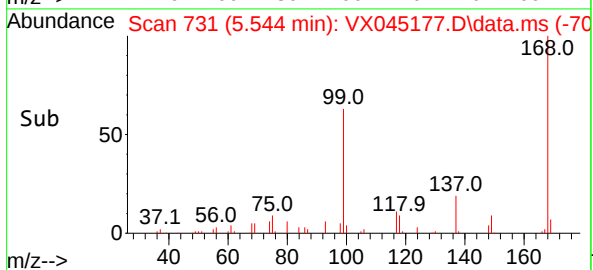
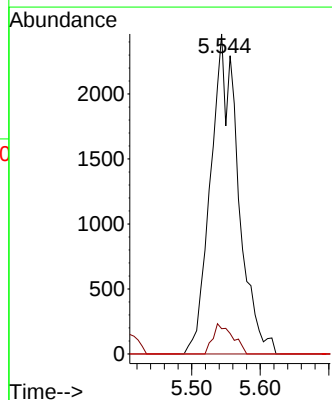
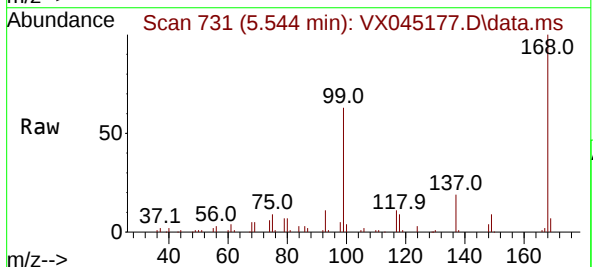
Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

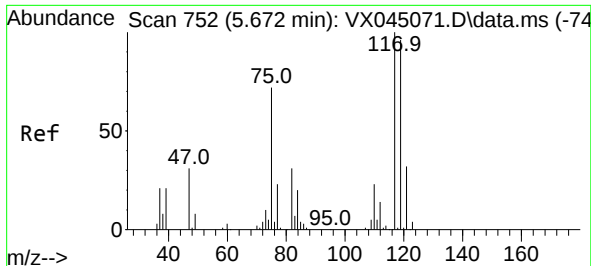
Tgt Ion:113 Resp: 52345
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 17.5 14.3 21.5



#36
1,1-Dichloropropene
Concen: 5.021 ug/l
RT: 5.544 min Scan# 731
Delta R.T. -0.146 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

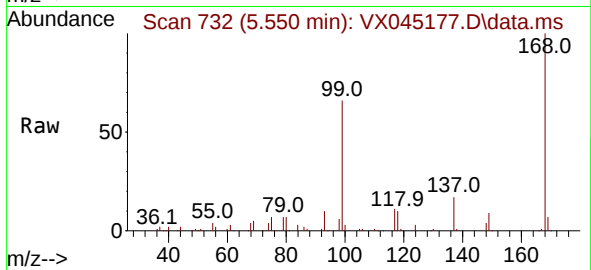
Tgt Ion: 75 Resp: 6916
Ion Ratio Lower Upper
75 100
110 6.7 16.9 50.6#
77 0.0 24.5 36.7#



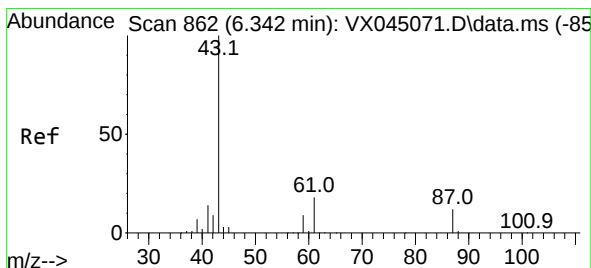
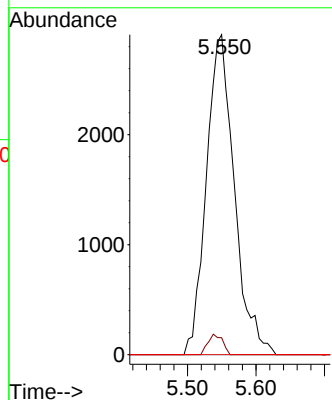
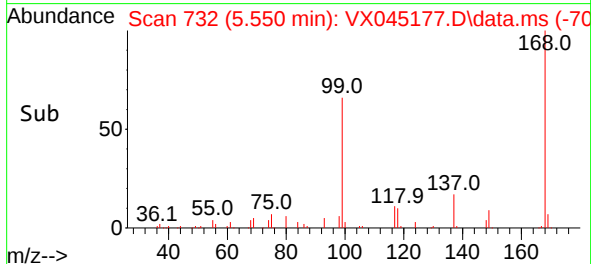


#38
Carbon Tetrachloride
Concen: 5.901 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

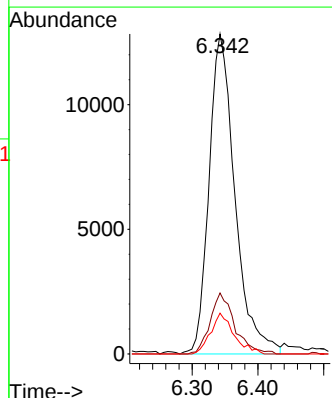
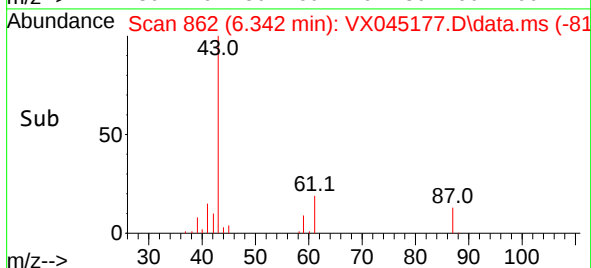
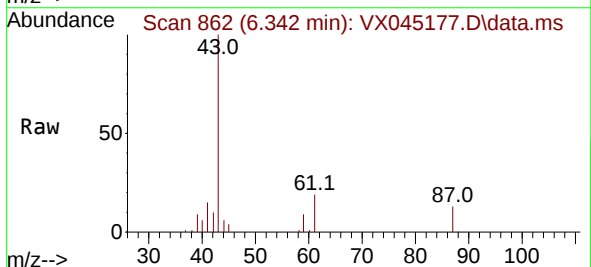


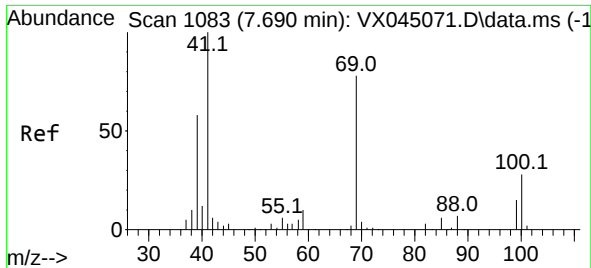
Tgt Ion:117 Resp: 8251
Ion Ratio Lower Upper
117 100
119 5.3 76.7 115.1#
121 0.0 25.5 38.3#



#43
Isopropyl Acetate
Concen: 13.404 ug/l
RT: 6.342 min Scan# 862
Delta R.T. -0.000 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 43 Resp: 35177
Ion Ratio Lower Upper
43 100
61 18.1 14.9 22.3
87 11.4 9.4 14.2

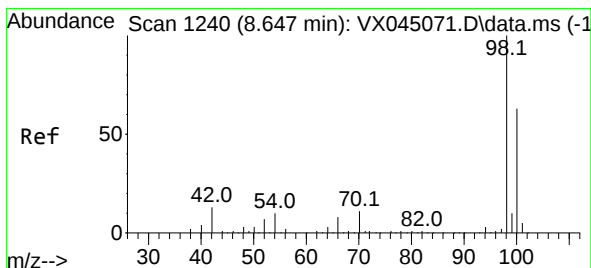
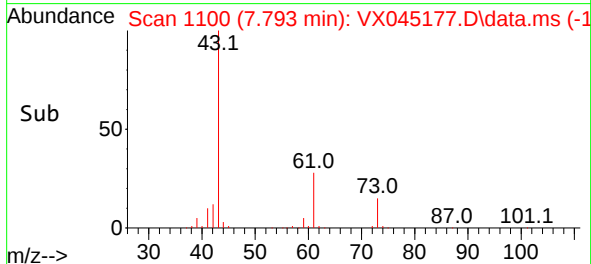
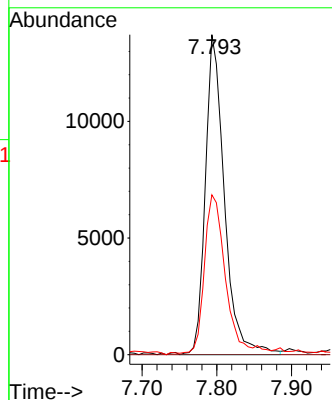
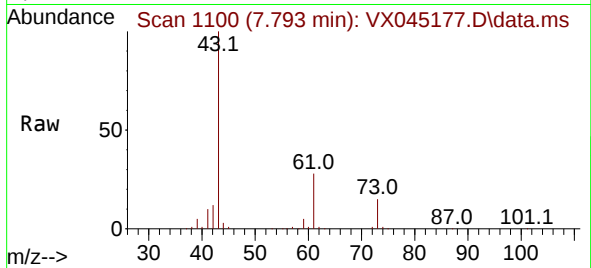




#48
Methyl methacrylate
Concen: 18.437 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.104 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

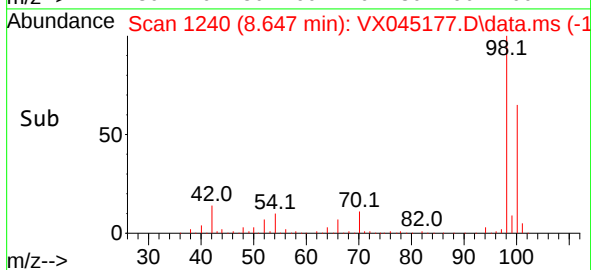
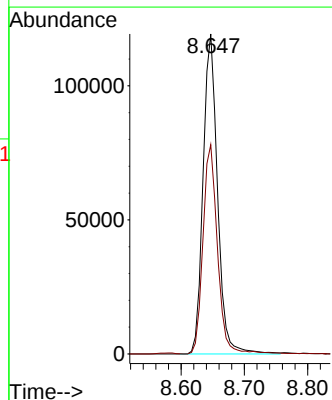
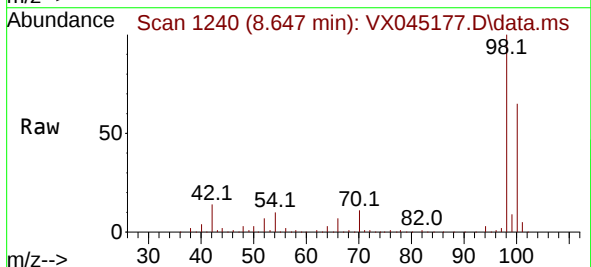
Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

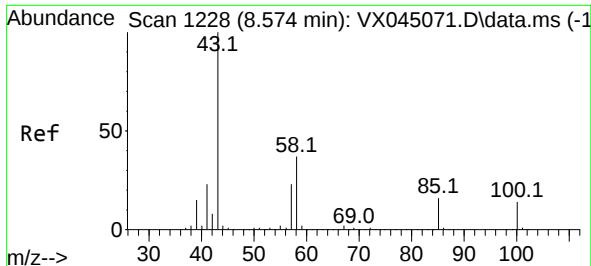
Tgt Ion: 41 Resp: 24274
Ion Ratio Lower Upper
41 100
69 0.0 63.0 94.6#
39 56.4 47.5 71.3



#50
Toluene-d8
Concen: 52.241 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.000 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 98 Resp: 190206
Ion Ratio Lower Upper
98 100
100 66.0 52.0 78.0

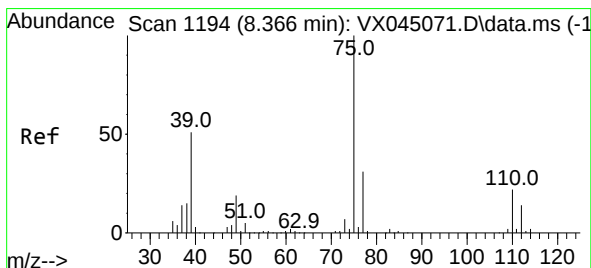
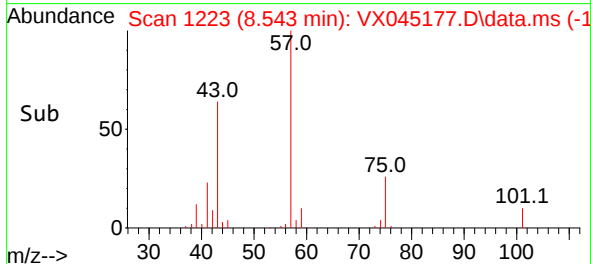
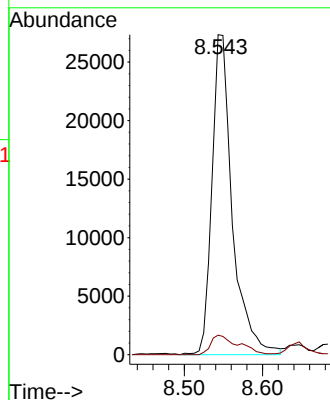
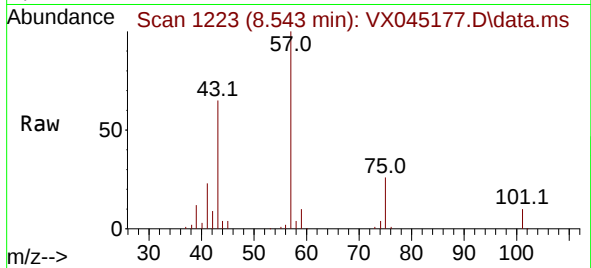




#51
4-Methyl-2-Pentanone
Concen: 28.041 ug/l
RT: 8.543 min Scan# 11
Delta R.T. -0.031 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

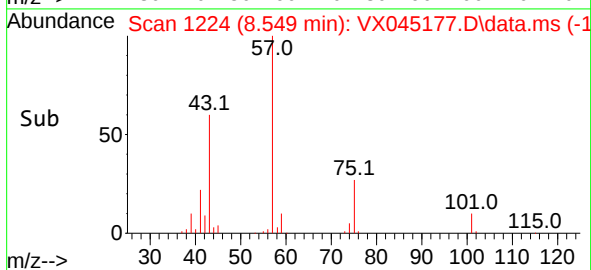
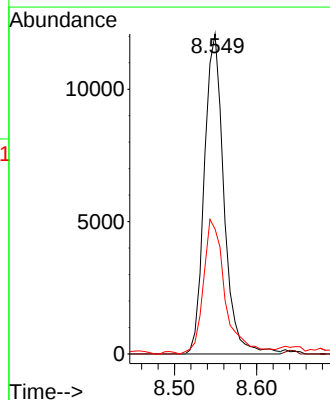
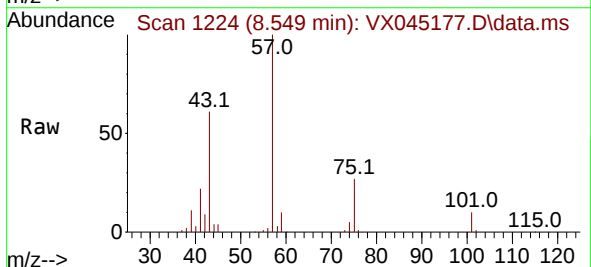
Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

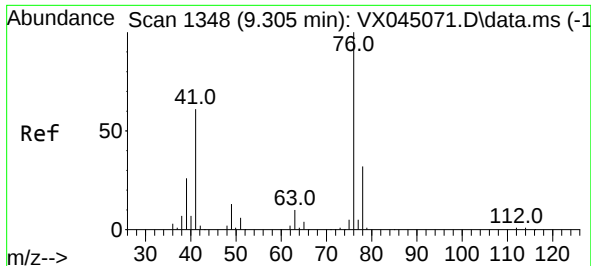
Tgt Ion: 43 Resp: 49412
Ion Ratio Lower Upper
43 100
58 8.4 29.2 43.8#



#54
cis-1,3-Dichloropropene
Concen: 13.225 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.183 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 75 Resp: 19988
Ion Ratio Lower Upper
75 100
77 0.0 24.7 37.1#
39 39.0 40.7 61.1#





#57

1,3-Dichloropropane

Concen: 1.156 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.177 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

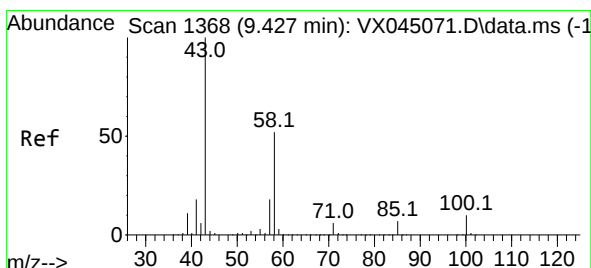
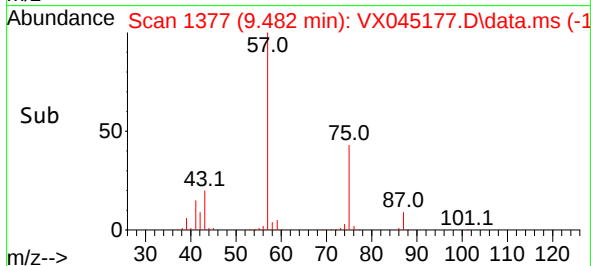
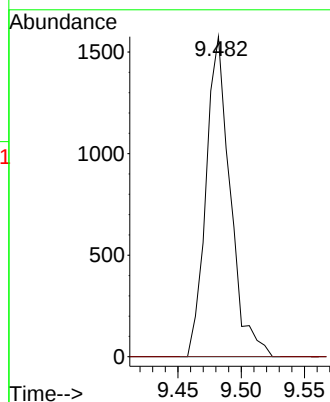
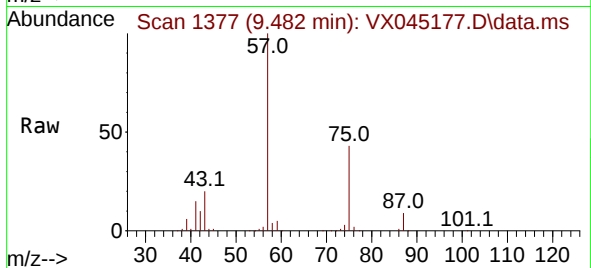
ASPHALT-SOIL

Tgt Ion: 76 Resp: 2102

Ion Ratio Lower Upper

76 100

78 0.0 25.5 38.3#



#59

2-Hexanone

Concen: 34.778 ug/l

RT: 9.372 min Scan# 1359

Delta R.T. -0.055 min

Lab File: VX045177.D

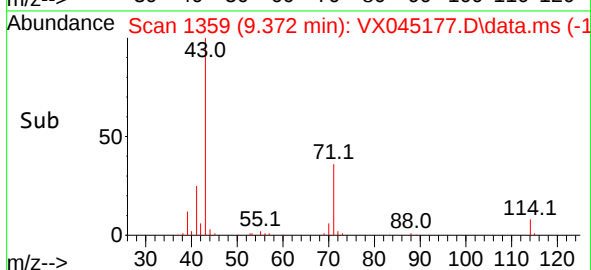
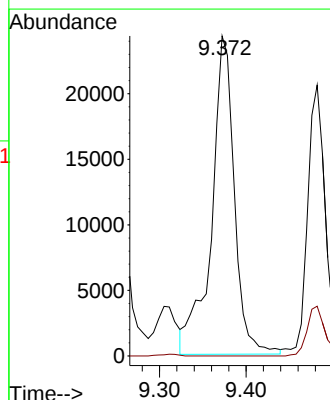
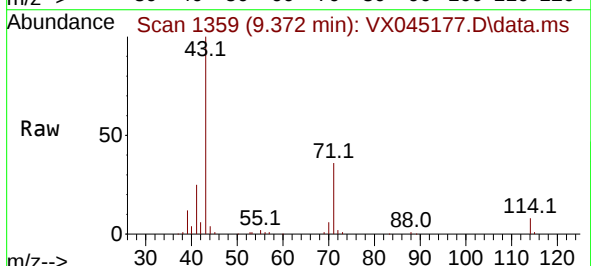
Acq: 06 Mar 2025 18:35

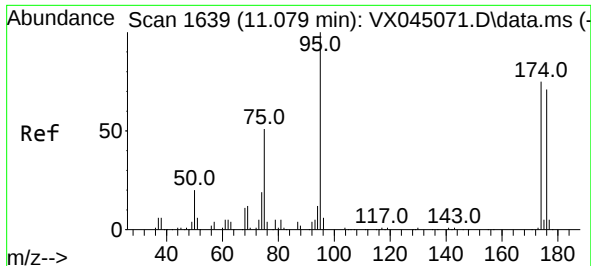
Tgt Ion: 43 Resp: 44402

Ion Ratio Lower Upper

43 100

58 0.0 25.9 77.6#





#62

4-Bromofluorobenzene

Concen: 51.487 ug/l

RT: 11.079 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045177.D

Acq: 06 Mar 2025 18:35

Instrument :

MSVOA_X

ClientSampleId :

ASPHALT-SOIL

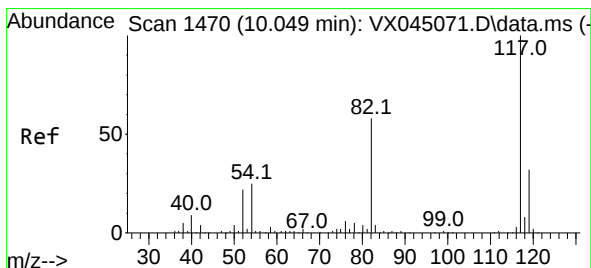
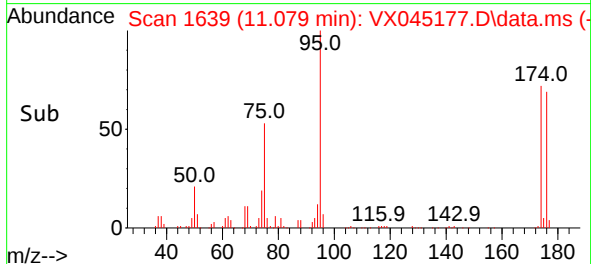
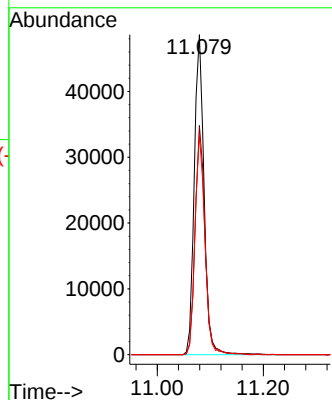
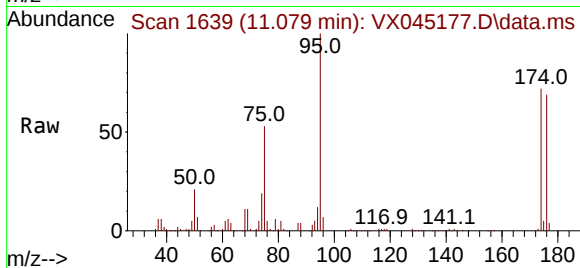
Tgt Ion: 95 Resp: 62120

Ion Ratio Lower Upper

95 100

174 72.2 0.0 148.2

176 69.8 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: VX045177.D

Acq: 06 Mar 2025 18:35

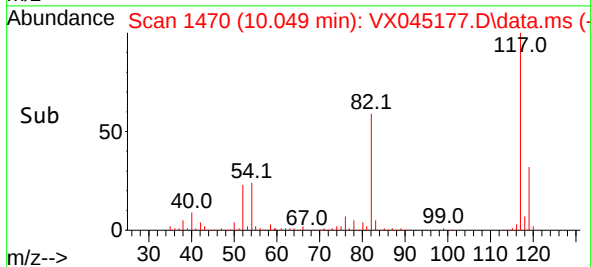
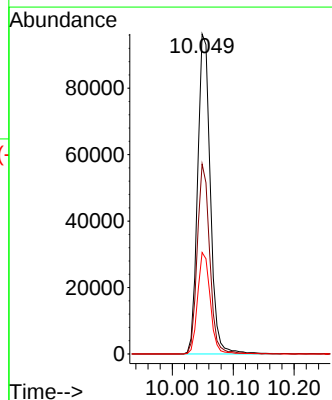
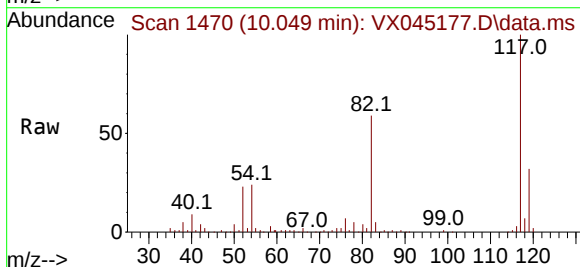
Tgt Ion: 117 Resp: 138916

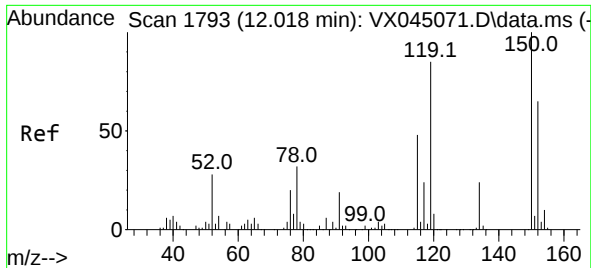
Ion Ratio Lower Upper

117 100

82 59.4 46.3 69.5

119 31.7 25.7 38.5

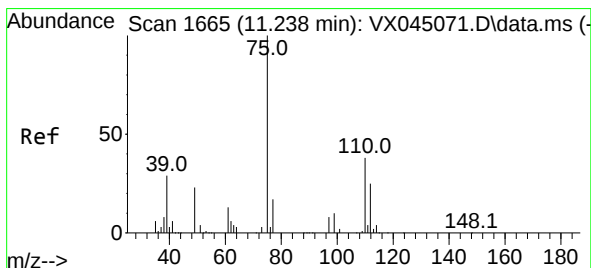
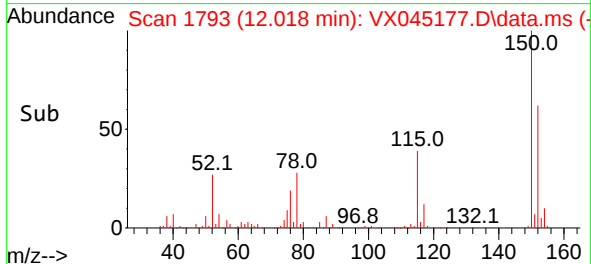
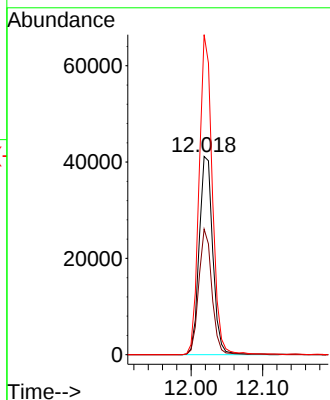
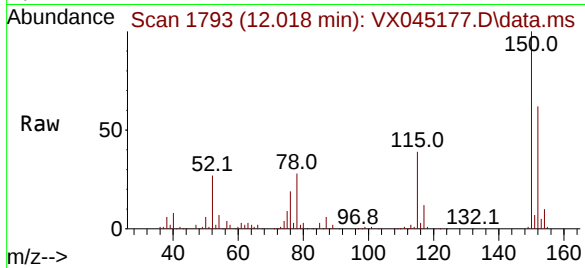




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

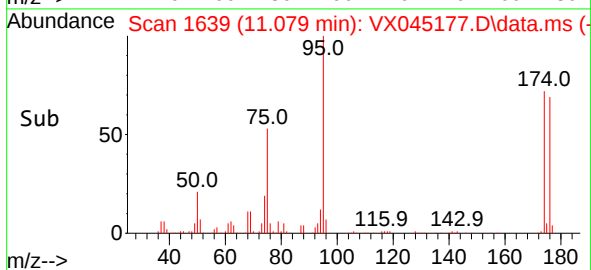
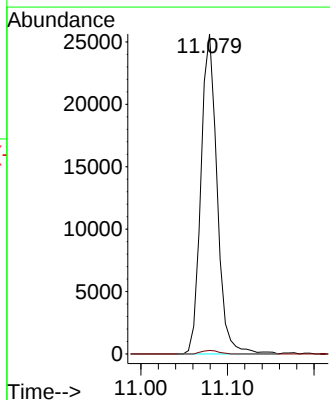
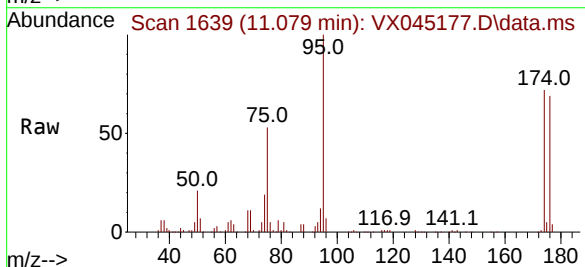
Instrument :
MSVOA_X
ClientSampleId :
ASPHALT-SOIL

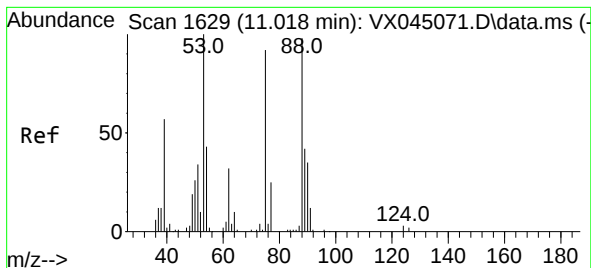
Tgt Ion:152 Resp: 54345
Ion Ratio Lower Upper
152 100
115 61.0 44.2 132.6
150 156.8 0.0 349.0



#76
1,2,3-Trichloropropane
Concen: 26.338 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX045177.D
Acq: 06 Mar 2025 18:35

Tgt Ion: 75 Resp: 33314
Ion Ratio Lower Upper
75 100
77 1.2 20.7 62.1#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 90.132 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX045177.D
 Acq: 06 Mar 2025 18:35

Instrument :
 MSVOA_X
 ClientSampleId :
 ASPHALT-SOIL

Tgt Ion: 75 Resp: 33314
 Ion Ratio Lower Upper
 75 100
 53 0.0 88.5 132.7#
 89 0.1 36.2 54.4#

