

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030725\
 Data File : VY021469.D
 Acq On : 07 Mar 2025 18:23
 Operator : SY/MD
 Sample : Q1494-03
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ASPHALT-SOIL

Quant Time: Mar 07 22:03:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
 Quant Title : SW846 8260
 QLast Update : Wed Mar 05 12:42:45 2025
 Response via : Initial Calibration

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

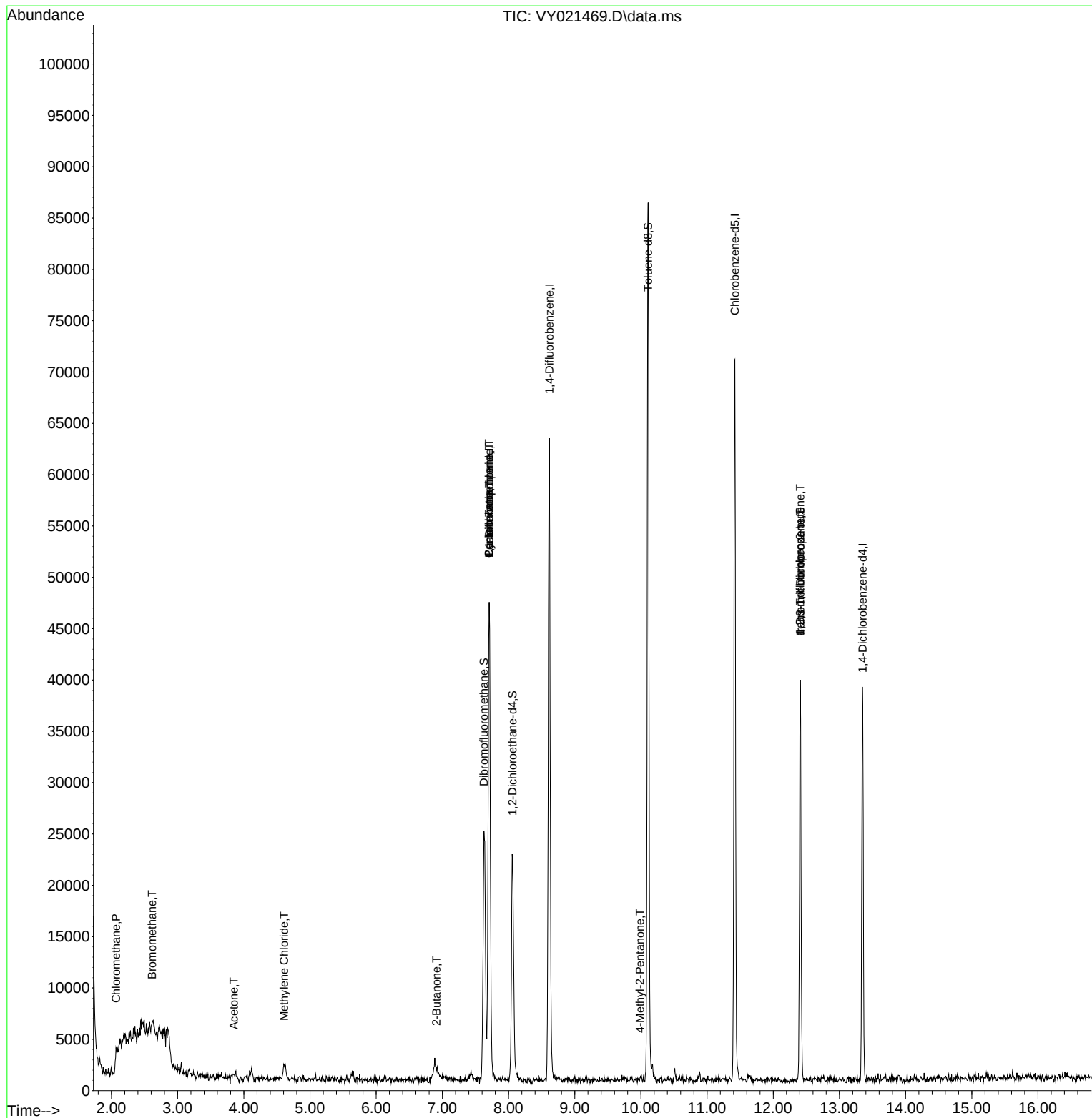
Internal Standards						
1) Pentafluorobenzene	7.707	168	33891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	50493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	37676	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.353	152	9382	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	18436	51.467	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.940%	
35) Dibromofluoromethane	7.628	113	18264	55.029	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.060%	
50) Toluene-d8	10.109	98	57054	45.401	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 90.800%	
62) 4-Bromofluorobenzene	12.408	95	11797	27.597	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 55.200%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.068	50	514	1.172	ug/l #	68
5) Bromomethane	2.611	94	589	1.701	ug/l	98
11) Tert butyl alcohol	4.848	59	275	Below Cal	#	72
16) Acetone	3.848	43	1055	13.503	ug/l #	87
20) Methylene Chloride	4.610	84	991	2.416	ug/l #	73
25) 2-Butanone	6.909	43	116	1.073	ug/l #	48
31) Cyclohexane	7.707	56	950	1.416	ug/l #	46
36) 1,1-Dichloropropene	7.707	75	3260	6.275	ug/l #	45
38) Carbon Tetrachloride	7.707	117	3743	6.265	ug/l #	15
51) 4-Methyl-2-Pentanone	9.987	43	442	1.922	ug/l #	58
76) 1,2,3-Trichloropropane	12.408	75	6440	68.119	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	6440	154.855	ug/l #	9

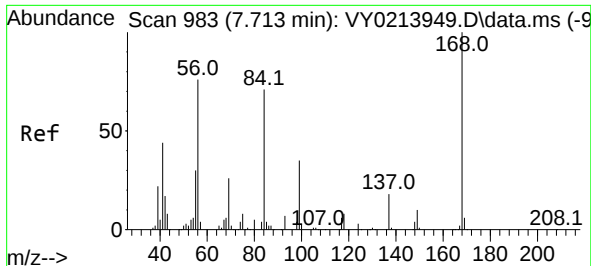
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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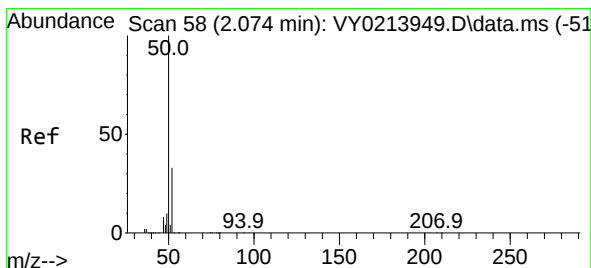
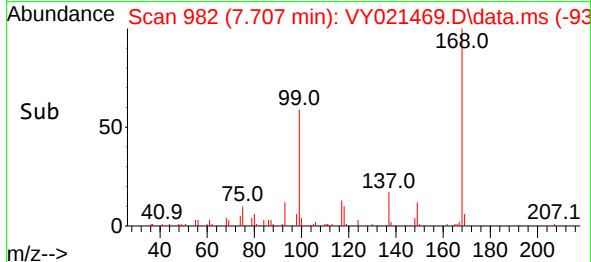
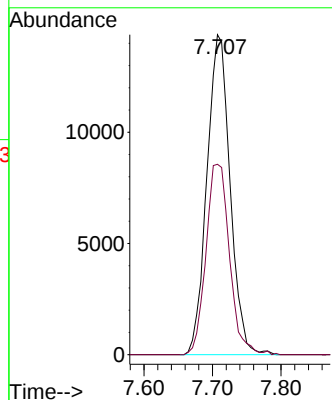
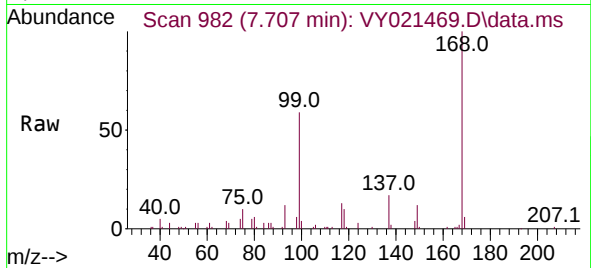




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

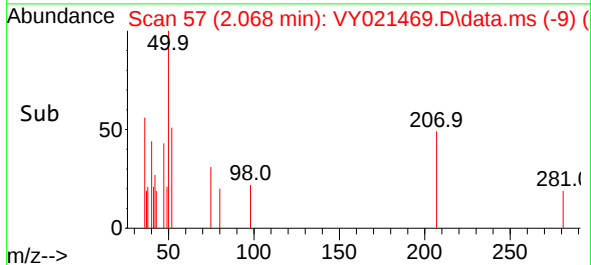
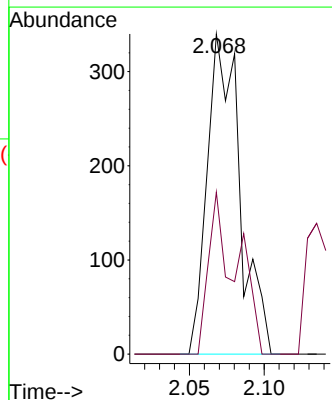
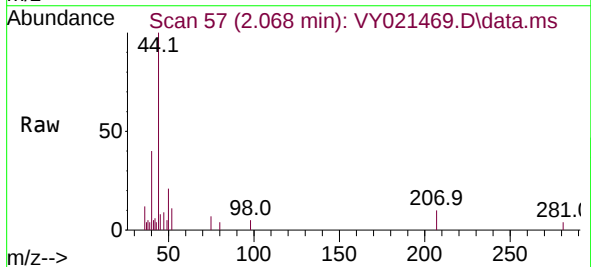
Instrument :
MSVOA_Y
ClientSampleId :
ASPHALT-SOIL

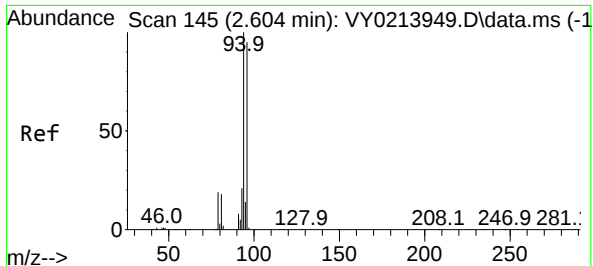
Tgt Ion:168 Resp: 33891
Ion Ratio Lower Upper
168 100
99 59.5 46.0 69.0



#3
Chloromethane
Concen: 1.172 ug/l
RT: 2.068 min Scan# 57
Delta R.T. -0.006 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

Tgt Ion: 50 Resp: 514
Ion Ratio Lower Upper
50 100
52 50.6 26.2 39.2#

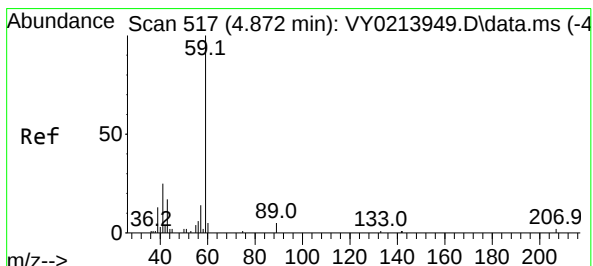
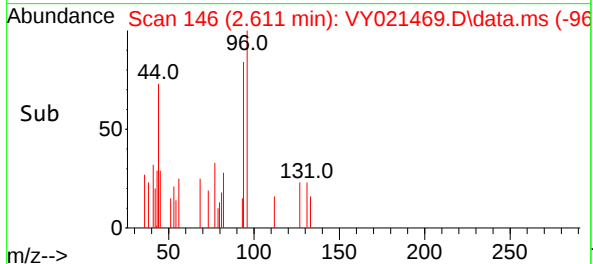
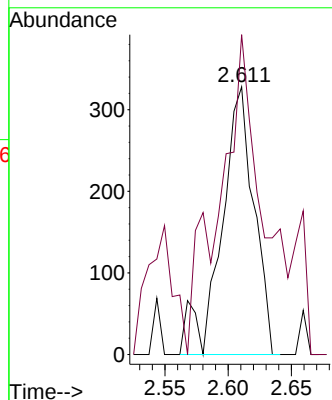
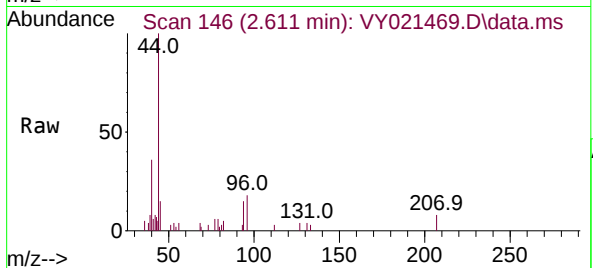




#5
Bromomethane
Concen: 1.701 ug/l
RT: 2.611 min Scan# 145
Delta R.T. 0.006 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

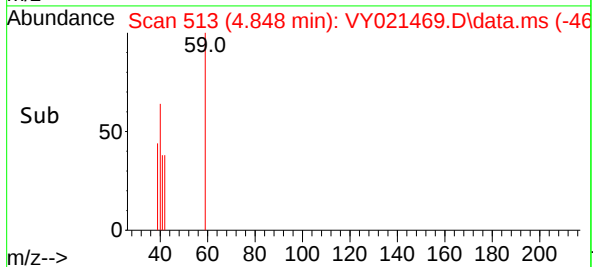
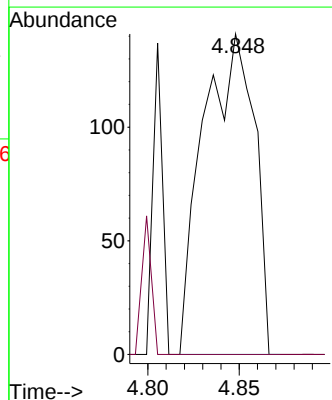
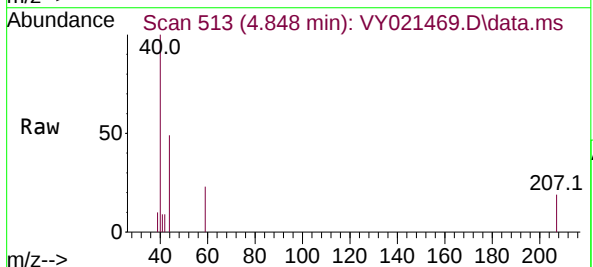
Instrument :
MSVOA_Y
ClientSampleId :
ASPHALT-SOIL

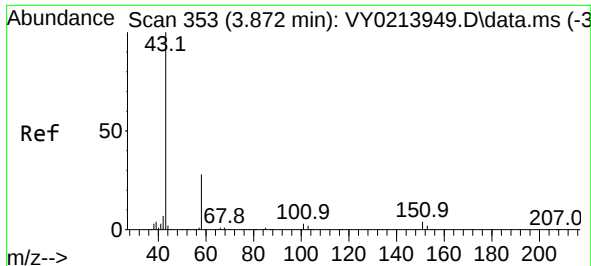
Tgt Ion: 94 Resp: 589
Ion Ratio Lower Upper
94 100
96 97.3 76.3 114.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

Tgt Ion: 59 Resp: 275
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.4#

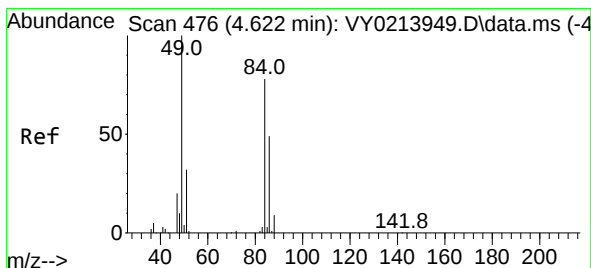
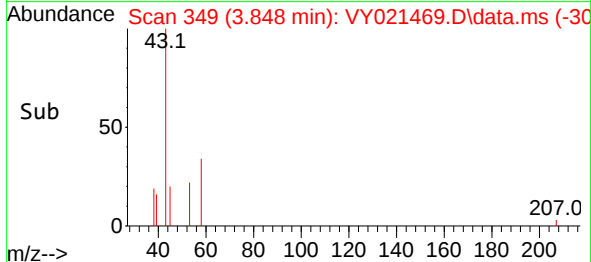
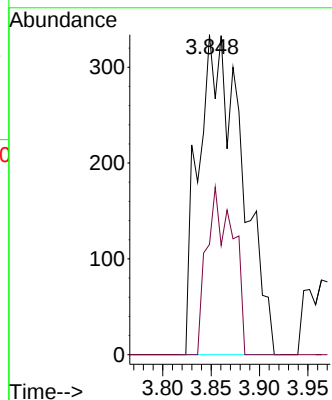
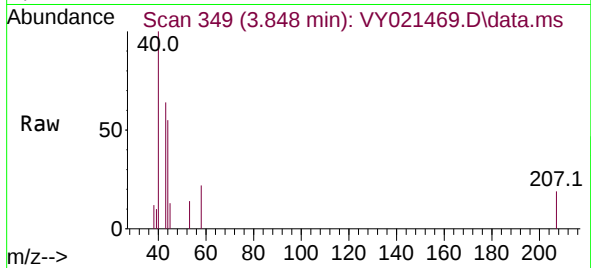




#16
Acetone
Concen: 13.503 ug/l
RT: 3.848 min Scan# 349
Delta R.T. -0.024 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

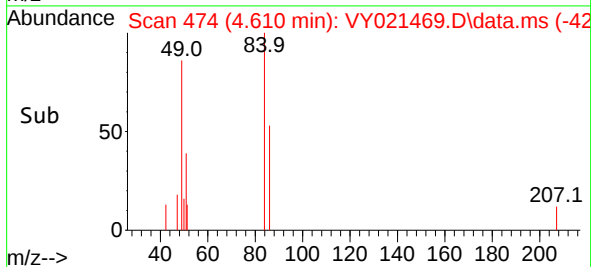
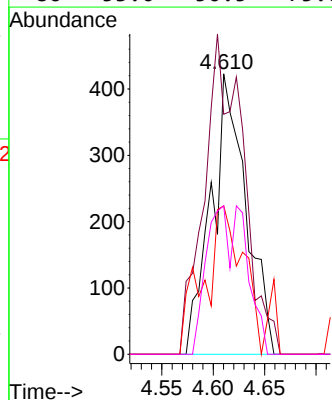
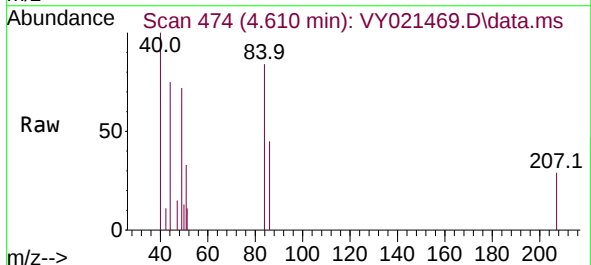
Instrument :
MSVOA_Y
ClientSampleId :
ASPHALT-SOIL

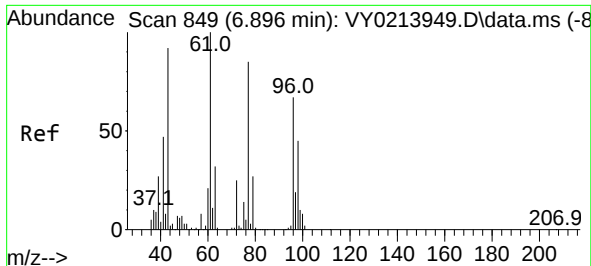
Tgt Ion: 43 Resp: 1055
Ion Ratio Lower Upper
43 100
58 34.4 22.1 33.1#



#20
Methylene Chloride
Concen: 2.416 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

Tgt Ion: 84 Resp: 991
Ion Ratio Lower Upper
84 100
49 85.6 102.0 153.0#
51 53.0 33.0 49.6#
86 53.0 50.5 75.7

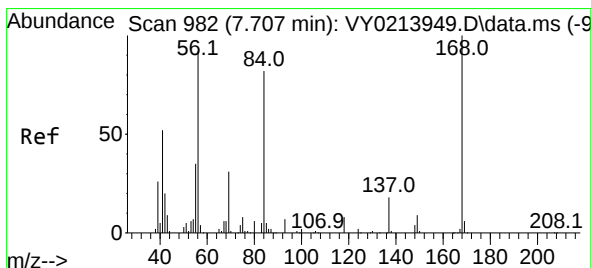
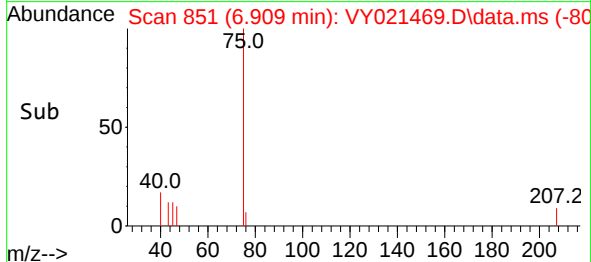
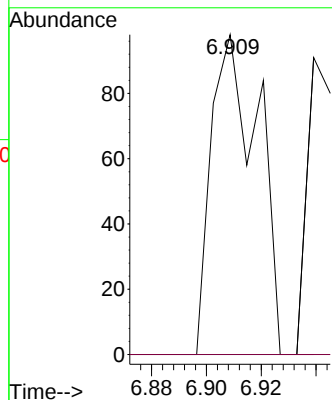
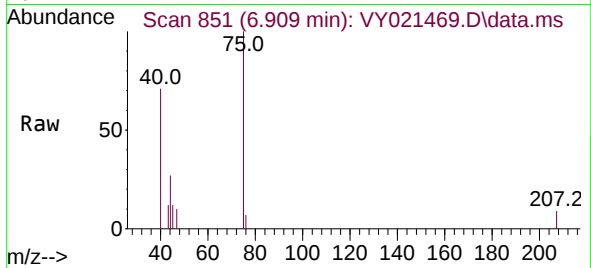




#25
2-Butanone
Concen: 1.073 ug/l
RT: 6.909 min Scan# 851
Delta R.T. 0.013 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

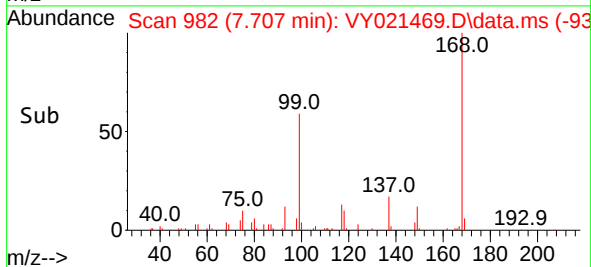
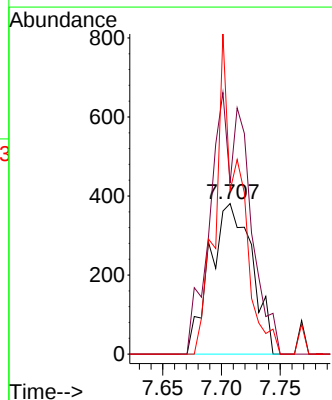
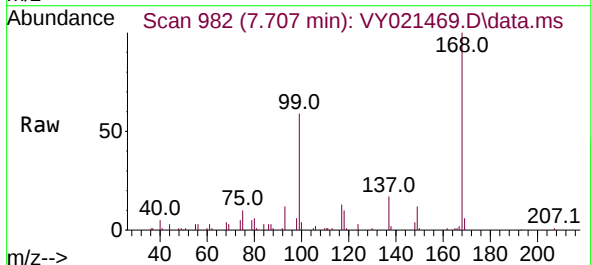
Instrument :
MSVOA_Y
ClientSampleId :
ASPHALT-SOIL

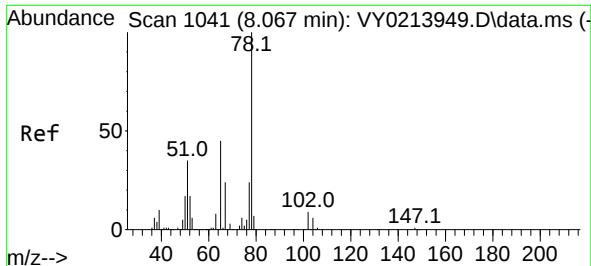
Tgt Ion: 43 Resp: 116
Ion Ratio Lower Upper
43 100
72 0.0 21.4 32.0#



#31
Cyclohexane
Concen: 1.416 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

Tgt Ion: 56 Resp: 950
Ion Ratio Lower Upper
56 100
69 113.6 27.0 40.4#
84 108.7 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 51.467 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021469.D

Acq: 07 Mar 2025 18:23

Instrument :

MSVOA_Y

ClientSampleId :

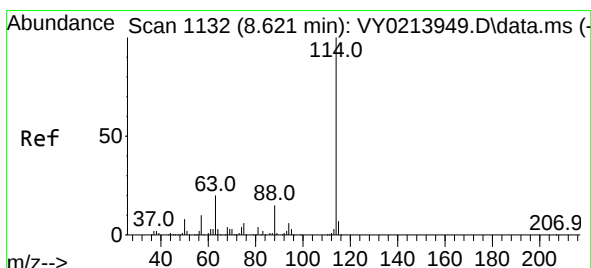
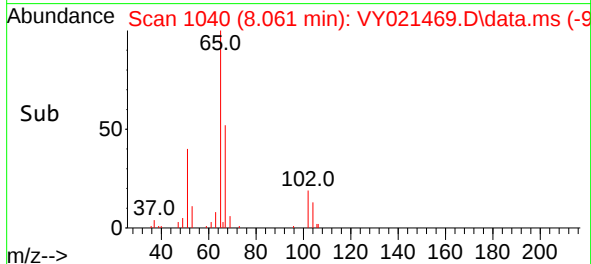
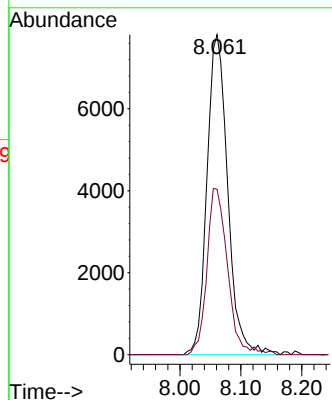
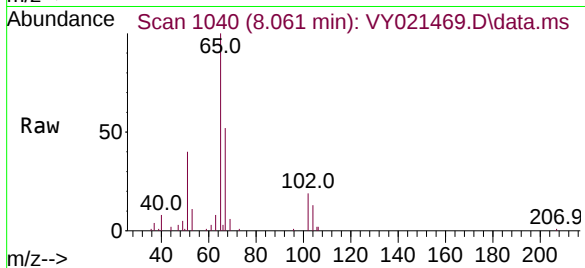
ASPHALT-SOIL

Tgt Ion: 65 Resp: 18436

Ion Ratio Lower Upper

65 100

67 52.0 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021469.D

Acq: 07 Mar 2025 18:23

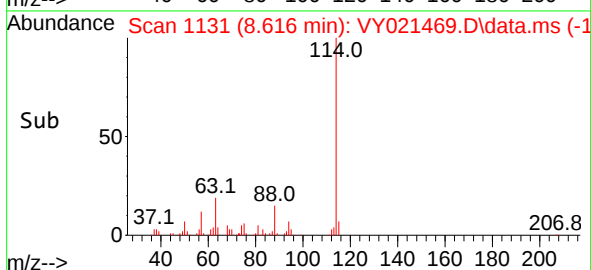
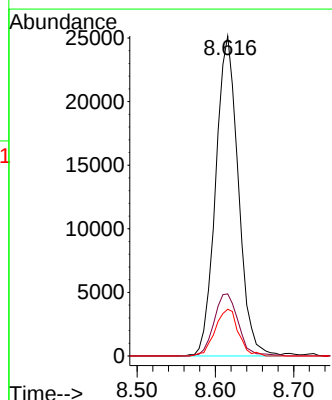
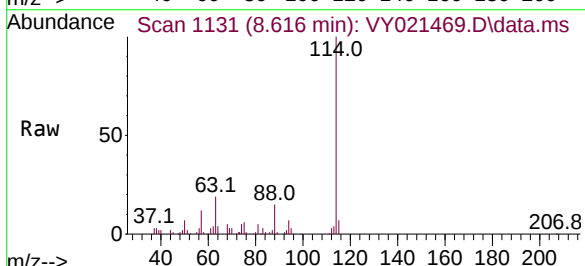
Tgt Ion: 114 Resp: 50493

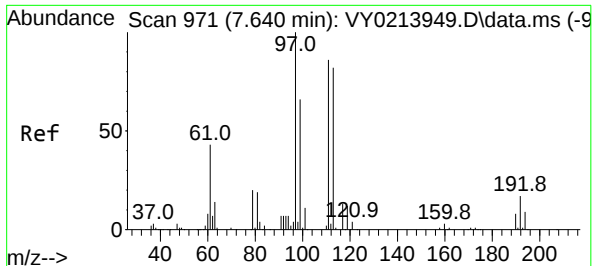
Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 14.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 55.029 ug/l

RT: 7.628 min Scan# 910

Delta R.T. -0.012 min

Lab File: VY021469.D

Acq: 07 Mar 2025 18:23

Instrument :

MSVOA_Y

ClientSampleId :

ASPHALT-SOIL

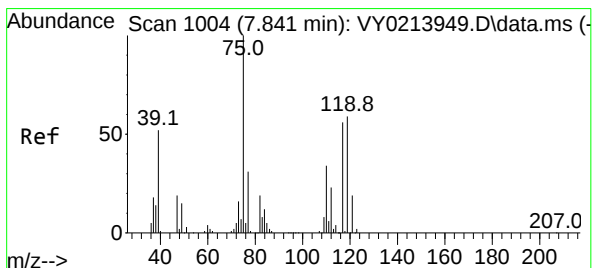
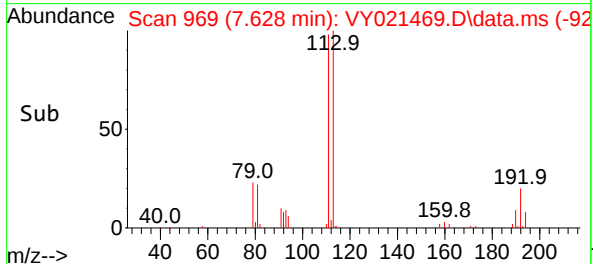
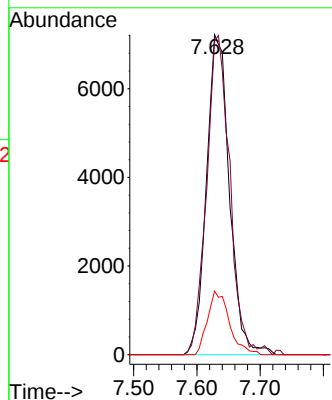
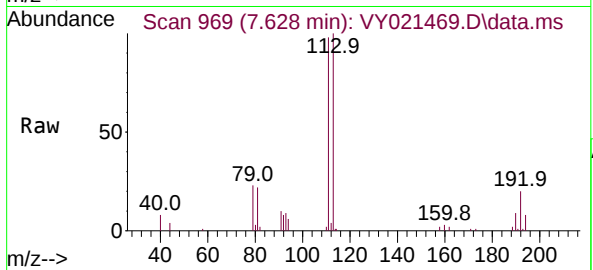
Tgt Ion:113 Resp: 18264

Ion Ratio Lower Upper

113 100

111 100.5 82.0 123.0

192 18.9 15.9 23.9



#36

1,1-Dichloropropene

Concen: 6.275 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.134 min

Lab File: VY021469.D

Acq: 07 Mar 2025 18:23

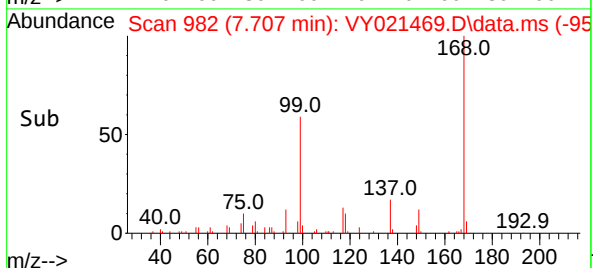
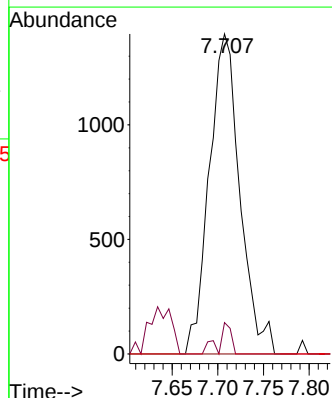
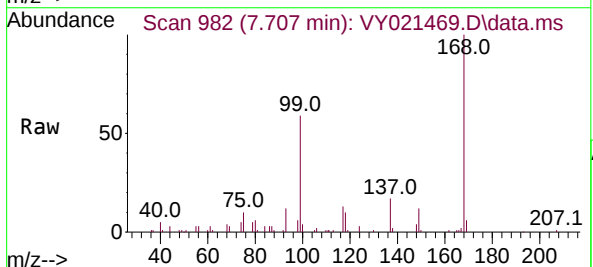
Tgt Ion: 75 Resp: 3260

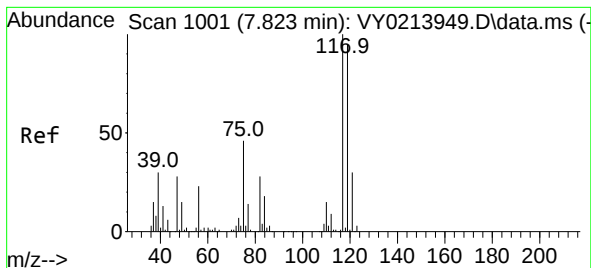
Ion Ratio Lower Upper

75 100

110 4.0 17.3 51.7#

77 0.0 25.4 38.2#





#38

Carbon Tetrachloride

Concen: 6.265 ug/l

RT: 7.707 min Scan# 982

Delta R.T. -0.115 min

Lab File: VY021469.D

Acq: 07 Mar 2025 18:23

Instrument :

MSVOA_Y

ClientSampleId :

ASPHALT-SOIL

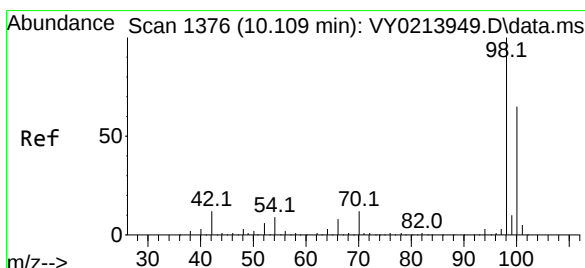
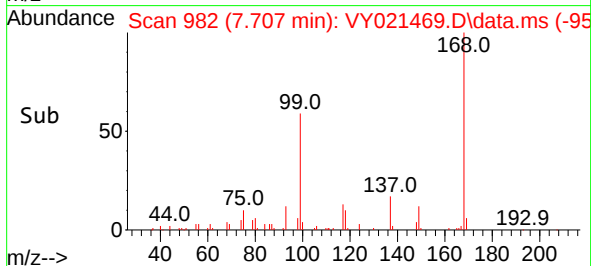
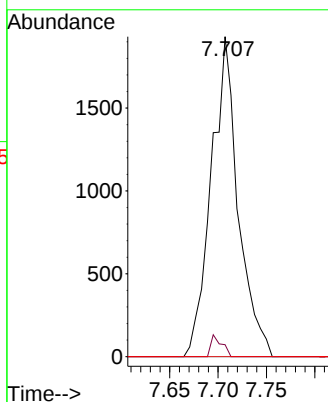
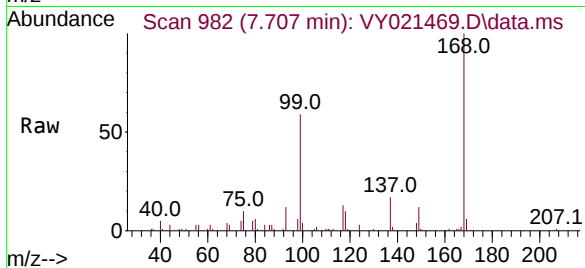
Tgt Ion:117 Resp: 3743

Ion Ratio Lower Upper

117 100

119 3.7 75.8 113.8#

121 0.0 23.9 35.9#



#50

Toluene-d8

Concen: 45.401 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. 0.000 min

Lab File: VY021469.D

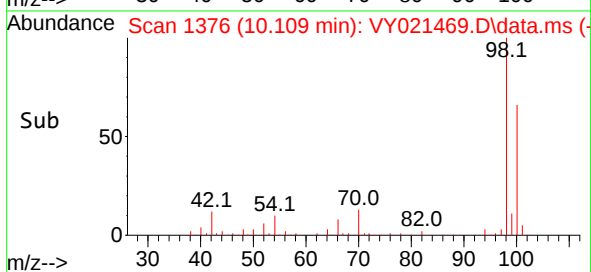
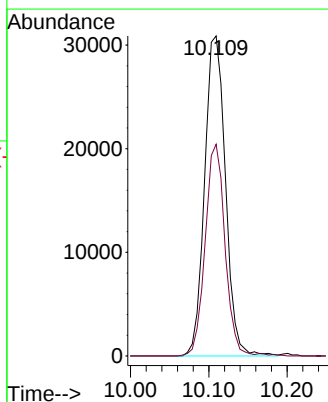
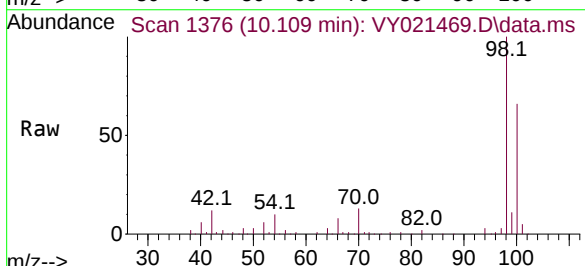
Acq: 07 Mar 2025 18:23

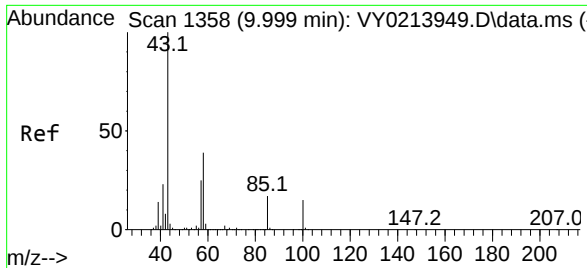
Tgt Ion: 98 Resp: 57054

Ion Ratio Lower Upper

98 100

100 63.2 52.1 78.1

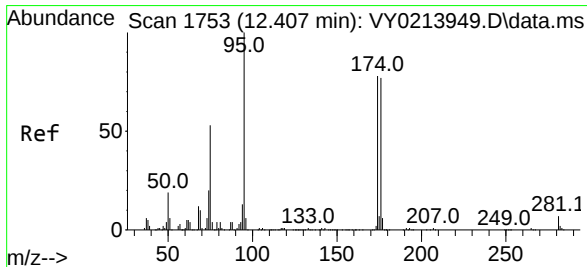
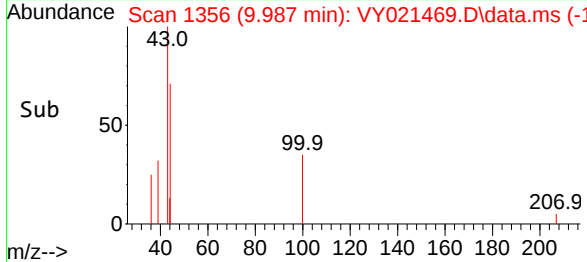
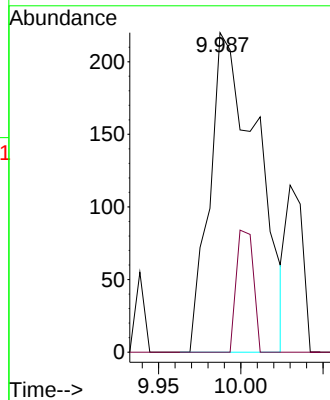
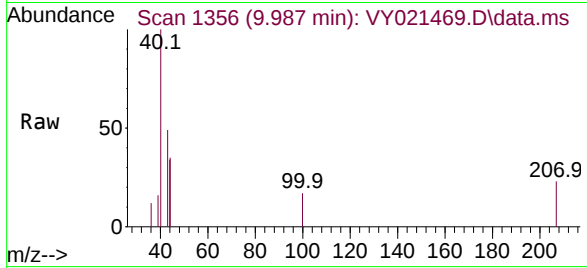




#51
4-Methyl-2-Pentanone
Concen: 1.922 ug/l
RT: 9.987 min Scan# 1356
Delta R.T. -0.012 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

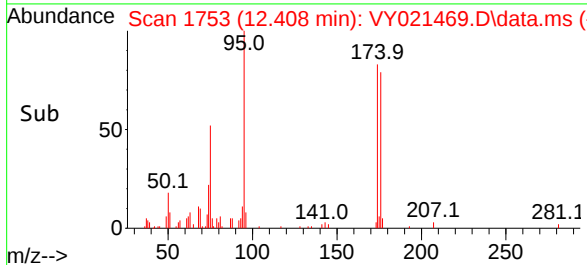
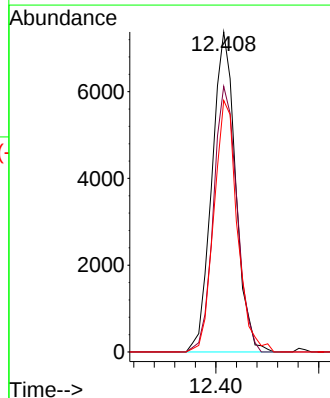
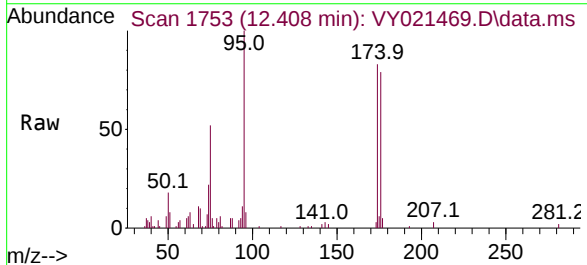
Instrument :
MSVOA_Y
ClientSampleId :
ASPHALT-SOIL

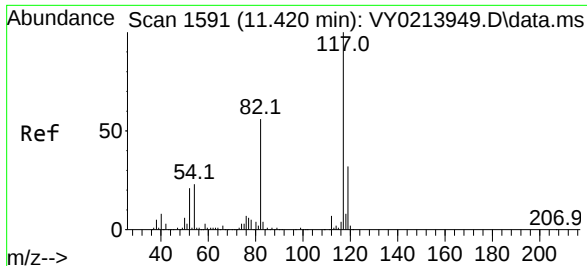
Tgt Ion: 43 Resp: 442
Ion Ratio Lower Upper
43 100
58 13.6 31.4 47.2#



#62
4-Bromofluorobenzene
Concen: 27.597 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

Tgt Ion: 95 Resp: 11797
Ion Ratio Lower Upper
95 100
174 82.1 0.0 165.0
176 77.3 0.0 160.0

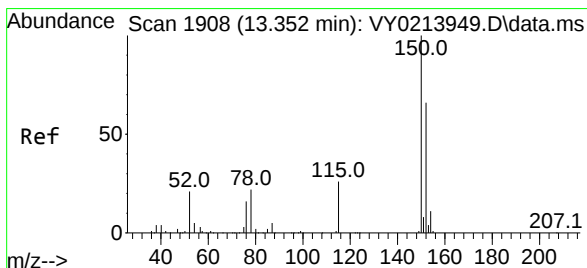
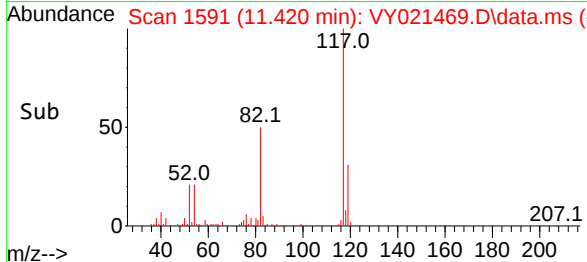
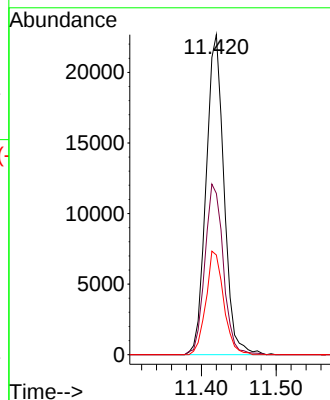
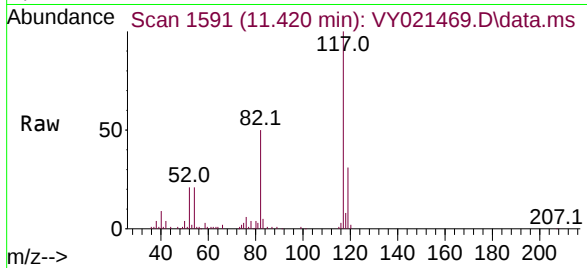




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1170
Delta R.T. 0.000 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

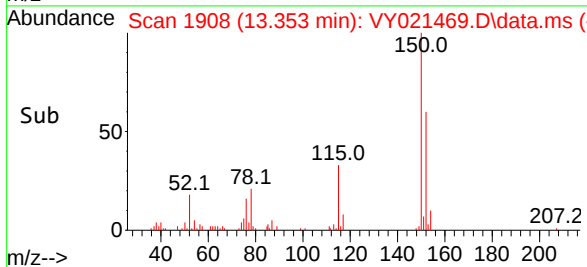
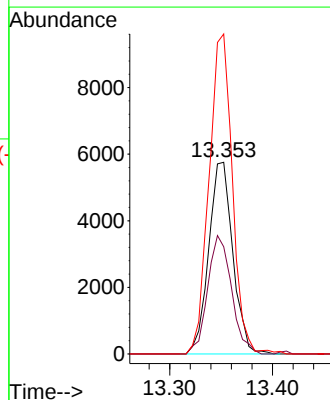
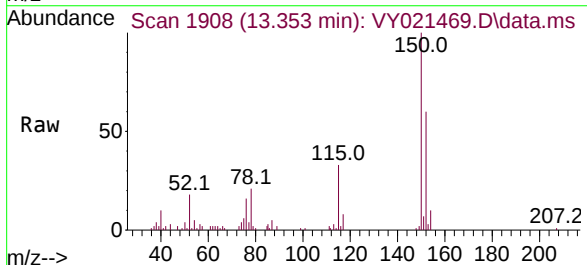
Instrument :
MSVOA_Y
ClientSampleId :
ASPHALT-SOIL

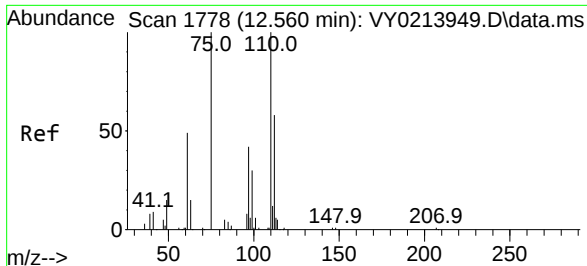
Tgt Ion:117 Resp: 37676
Ion Ratio Lower Upper
117 100
82 50.4 44.6 67.0
119 31.2 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.353 min Scan# 1908
Delta R.T. 0.000 min
Lab File: VY021469.D
Acq: 07 Mar 2025 18:23

Tgt Ion:152 Resp: 9382
Ion Ratio Lower Upper
152 100
115 61.2 29.0 87.0
150 161.7 0.0 347.2

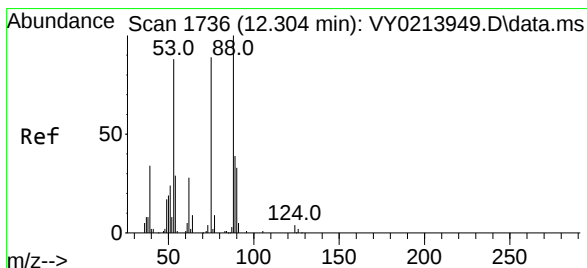
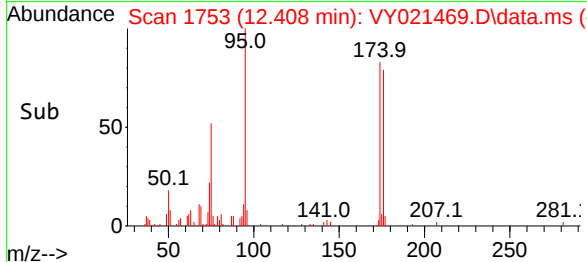
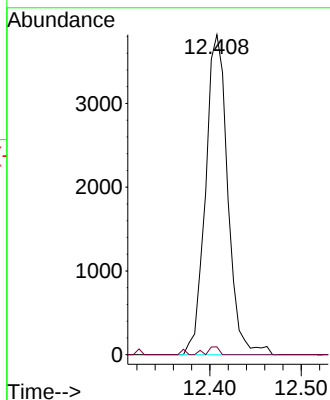
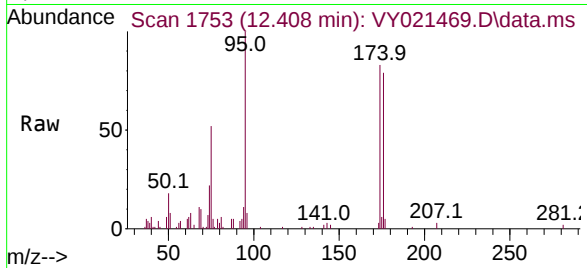




#76
 1,2,3-Trichloropropane
 Concen: 68.119 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.152 min
 Lab File: VY021469.D
 Acq: 07 Mar 2025 18:23

Instrument :
 MSVOA_Y
 ClientSampleId :
 ASPHALT-SOIL

Tgt Ion: 75 Resp: 6440
 Ion Ratio Lower Upper
 75 100
 77 1.3 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 154.855 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. 0.104 min
 Lab File: VY021469.D
 Acq: 07 Mar 2025 18:23

Tgt Ion: 75 Resp: 6440
 Ion Ratio Lower Upper
 75 100
 53 0.0 81.0 121.4#
 89 0.0 36.9 55.3#

