

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032025\
 Data File : VY021587.D
 Acq On : 20 Mar 2025 17:08
 Operator : SY/MD
 Sample : Q1605-01
 Misc : 5.55g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-SOIL-CUTTING

Quant Time: Mar 21 01:35:06 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)

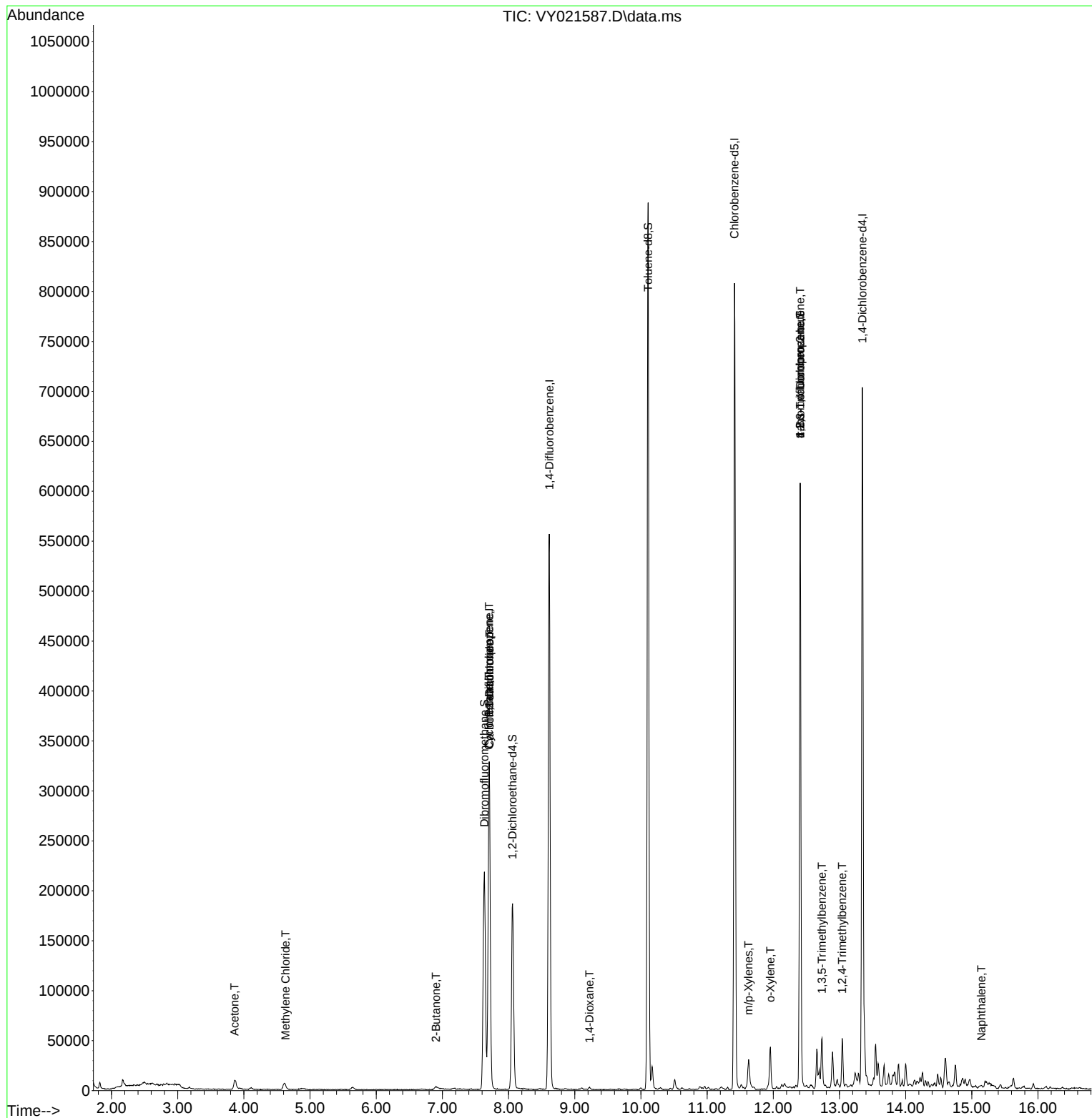
Internal Standards						
1) Pentafluorobenzene	7.707	168	237742	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	458600	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	412696	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169730	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	148133	58.952	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.900%			
35) Dibromofluoromethane	7.634	113	154226	51.162	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.320%			
50) Toluene-d8	10.109	98	556798	48.784	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 97.560%			
62) 4-Bromofluorobenzene	12.407	95	173399	44.662	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 89.320%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.848	59	746	Below Cal	#	79
16) Acetone	3.860	43	16528	30.157	ug/l	100
20) Methylene Chloride	4.628	84	4602	1.600	ug/l #	77
25) 2-Butanone	6.902	43	3180	4.195	ug/l #	76
31) Cyclohexane	7.701	56	5424	1.153	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	20454	4.335	ug/l #	50
38) Carbon Tetrachloride	7.713	117	24608	4.535	ug/l #	17
49) 1,4-Dioxane	9.225	88	20	1.107	ug/l #	1
68) m/p-Xylenes	11.627	106	7698	1.185	ug/l	98
69) o-Xylene	11.956	106	10128	1.692	ug/l	95
76) 1,2,3-Trichloropropane	12.407	75	95522	55.850	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.736	105	16574	1.525	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.407	75	95522	126.964	ug/l #	9
84) 1,2,4-Trimethylbenzene	13.041	105	24057	2.230	ug/l	97
95) Naphthalene	15.145	128	1640	1.805	ug/l #	95

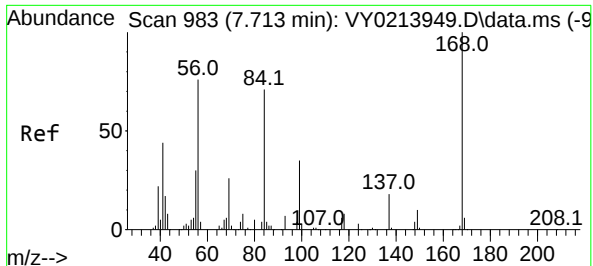
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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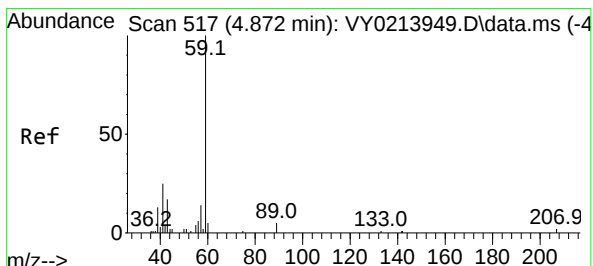
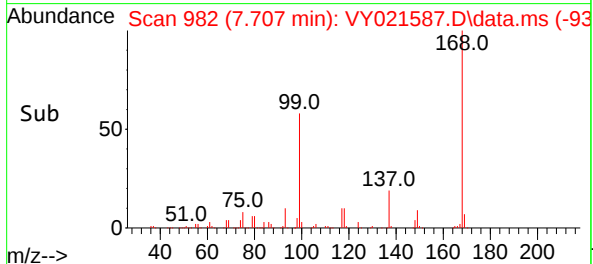
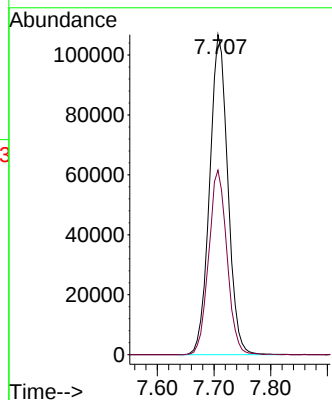
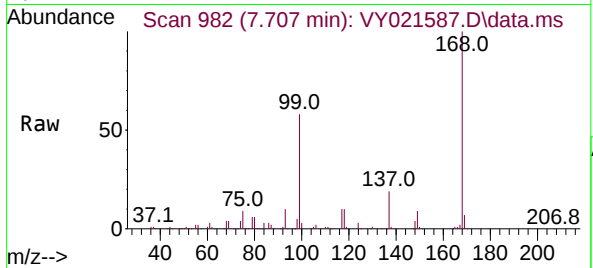




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

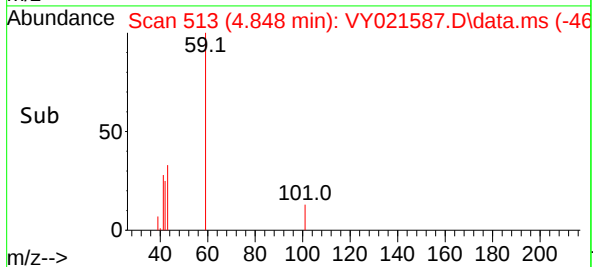
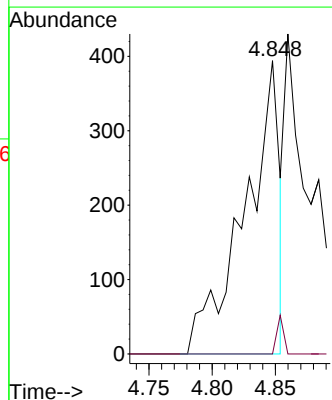
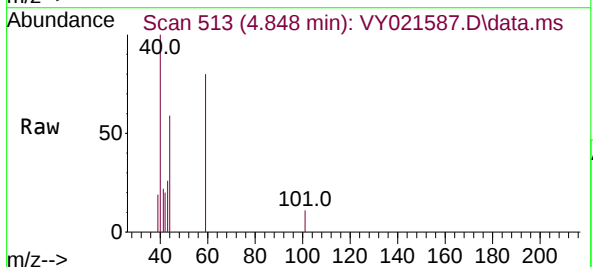
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-SOIL-CUTTING

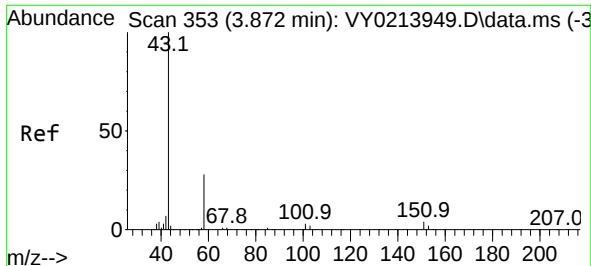
Tgt Ion:168 Resp: 237742
Ion Ratio Lower Upper
168 100
99 57.6 46.0 69.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.848 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion: 59 Resp: 746
Ion Ratio Lower Upper
59 100
57 2.5 8.2 12.4#

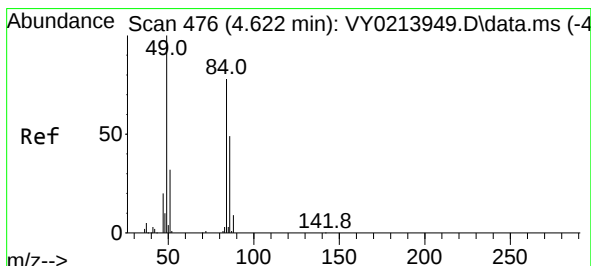
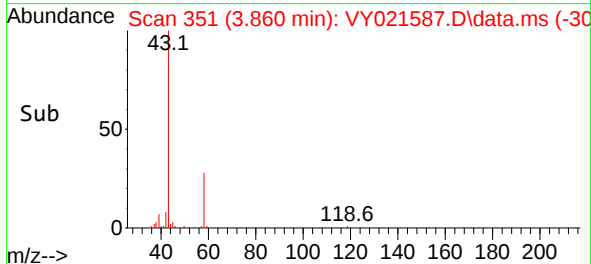
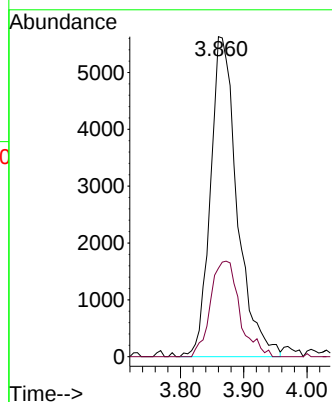
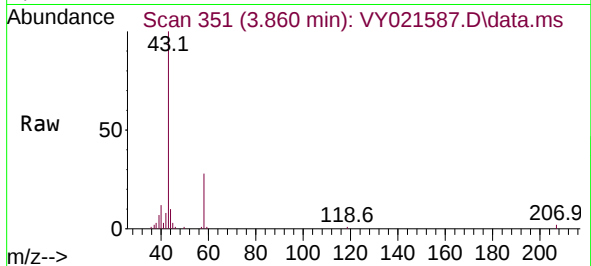




#16
Acetone
Concen: 30.157 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.012 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

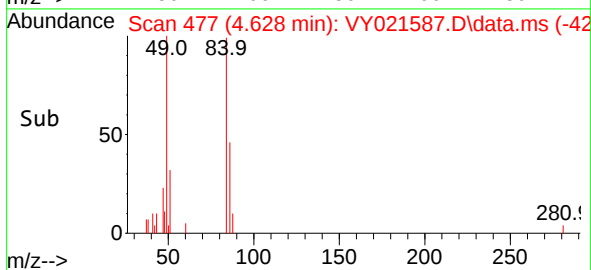
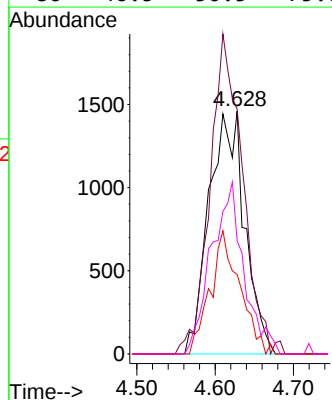
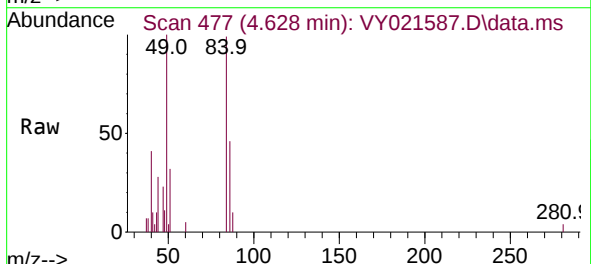
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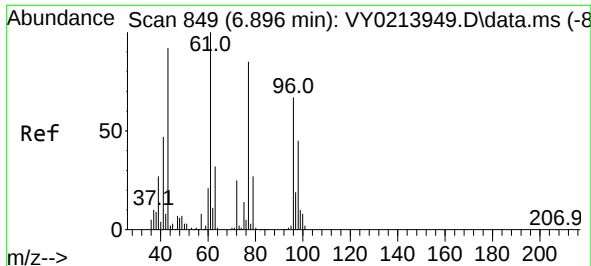
Tgt Ion: 43 Resp: 16528
Ion Ratio Lower Upper
43 100
58 27.7 22.1 33.1



#20
Methylene Chloride
Concen: 1.600 ug/l
RT: 4.628 min Scan# 477
Delta R.T. 0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion: 84 Resp: 4602
Ion Ratio Lower Upper
84 100
49 97.0 102.0 153.0#
51 32.7 33.0 49.6#
86 46.5 50.5 75.7#





#25

2-Butanone

Concen: 4.195 ug/l

RT: 6.902 min Scan# 81

Delta R.T. 0.006 min

Lab File: VY021587.D

Acq: 20 Mar 2025 17:08

Instrument :

MSVOA_Y

ClientSampleId :

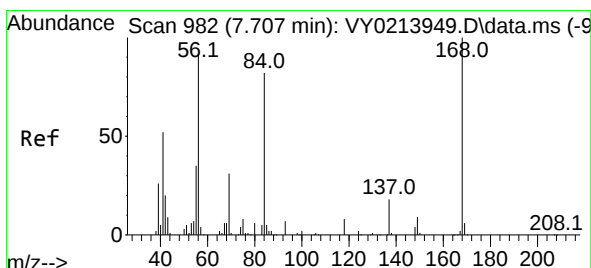
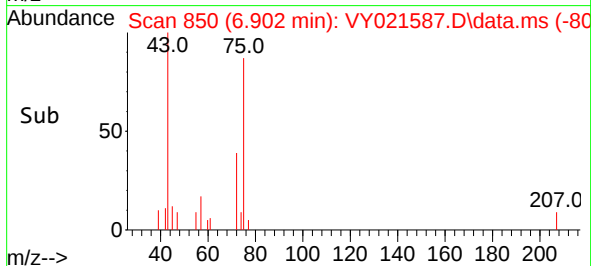
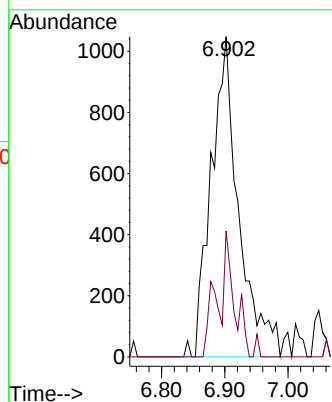
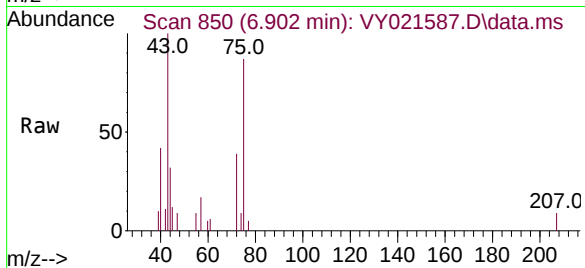
DRUM-SOIL-CUTTING

Tgt Ion: 43 Resp: 3180

Ion Ratio Lower Upper

43 100

72 39.3 21.4 32.0#



#31

Cyclohexane

Concen: 1.153 ug/l

RT: 7.701 min Scan# 981

Delta R.T. -0.006 min

Lab File: VY021587.D

Acq: 20 Mar 2025 17:08

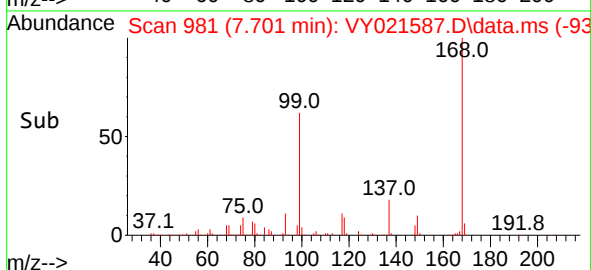
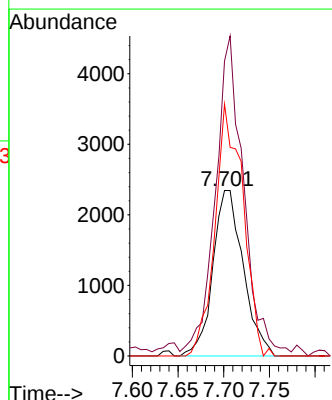
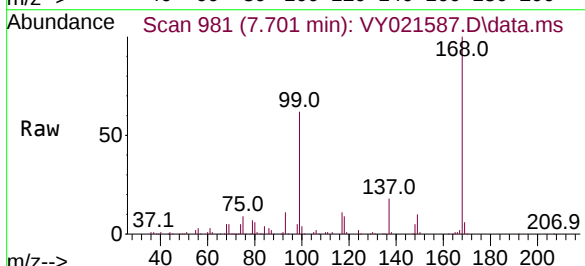
Tgt Ion: 56 Resp: 5424

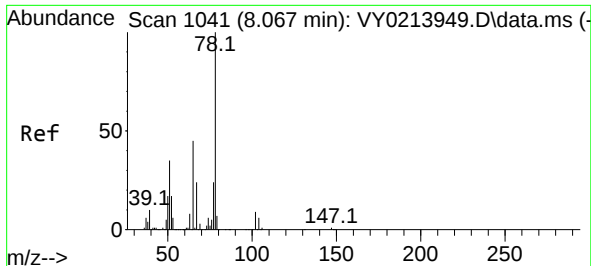
Ion Ratio Lower Upper

56 100

69 175.5 27.0 40.4#

84 152.2 71.1 106.7#





#33

1,2-Dichloroethane-d4

Concen: 58.952 ug/l

RT: 8.060 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY021587.D

Acq: 20 Mar 2025 17:08

Instrument :

MSVOA_Y

ClientSampleId :

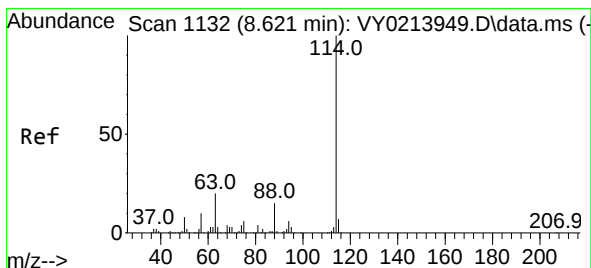
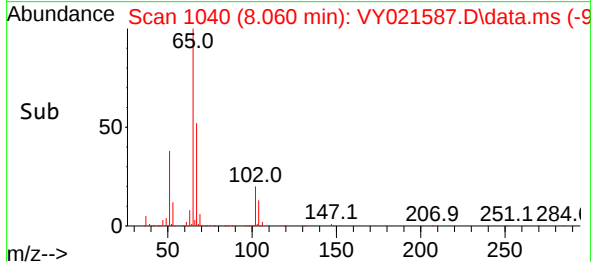
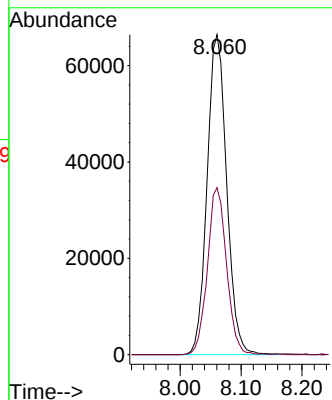
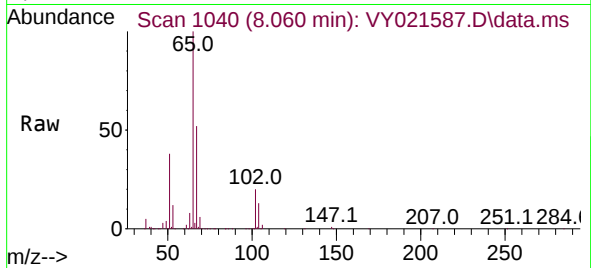
DRUM-SOIL-CUTTING

Tgt Ion: 65 Resp: 148133

Ion Ratio Lower Upper

65 100

67 51.2 0.0 102.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021587.D

Acq: 20 Mar 2025 17:08

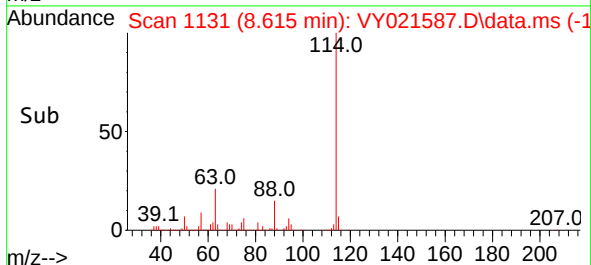
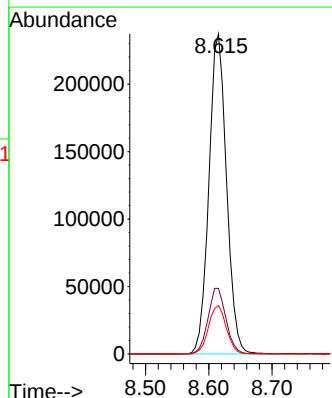
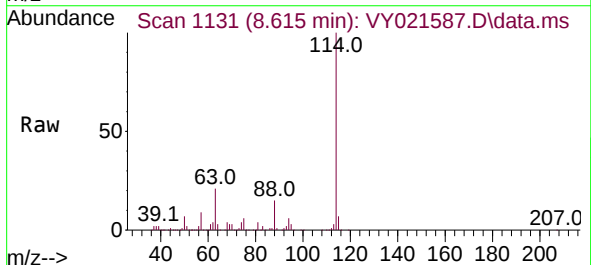
Tgt Ion: 114 Resp: 458600

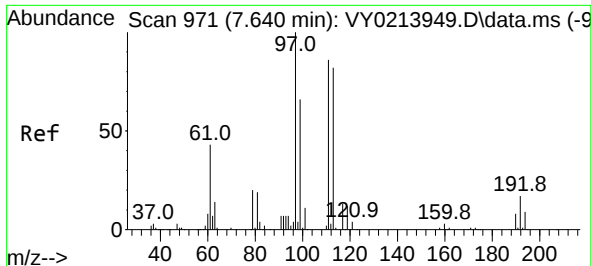
Ion Ratio Lower Upper

114 100

63 20.5 0.0 40.8

88 15.2 0.0 30.8

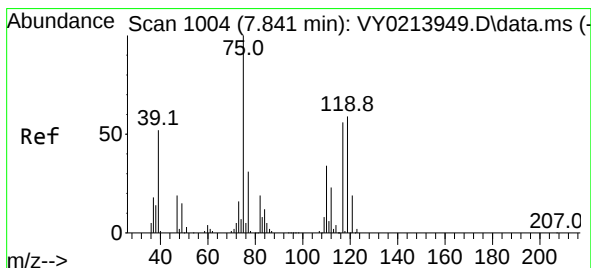
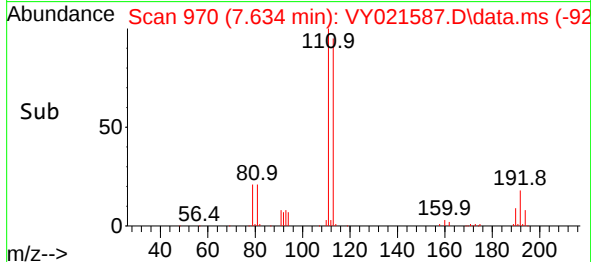
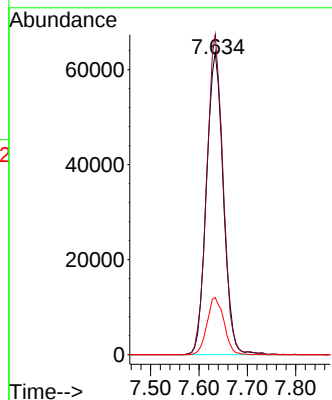
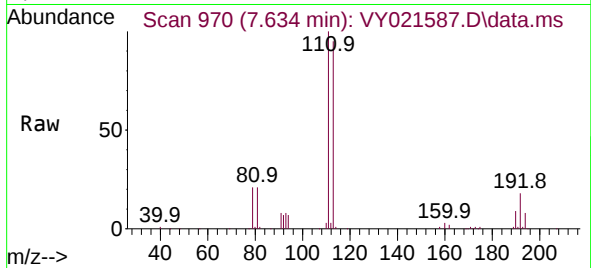




#35
Dibromofluoromethane
Concen: 51.162 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

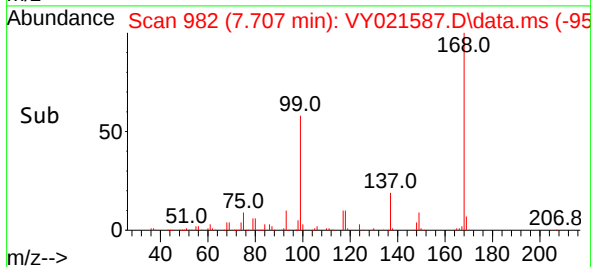
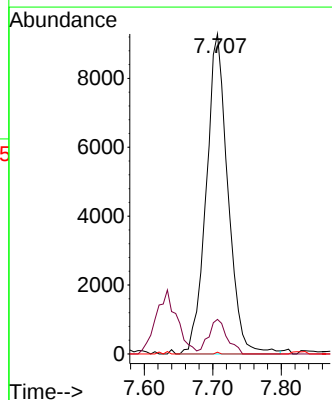
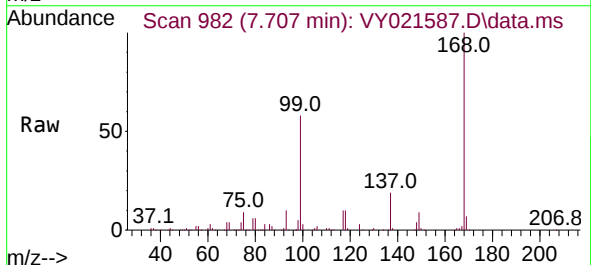
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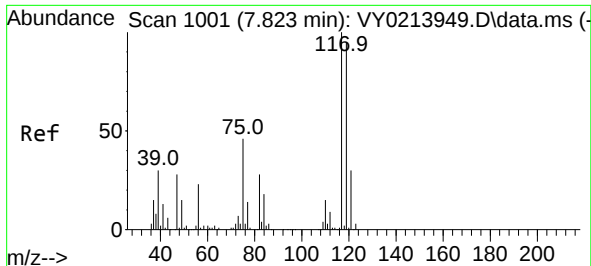
Tgt Ion:113 Resp: 154226
Ion Ratio Lower Upper
113 100
111 103.3 82.0 123.0
192 18.9 15.9 23.9



#36
1,1-Dichloropropene
Concen: 4.335 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.134 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion: 75 Resp: 20454
Ion Ratio Lower Upper
75 100
110 9.2 17.3 51.7#
77 0.1 25.4 38.2#

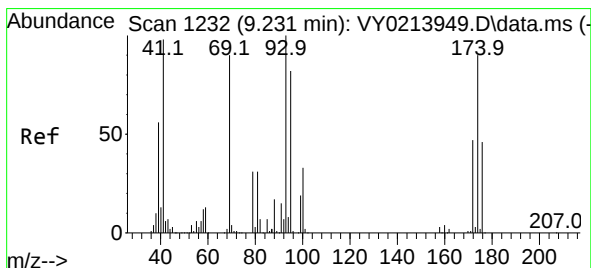
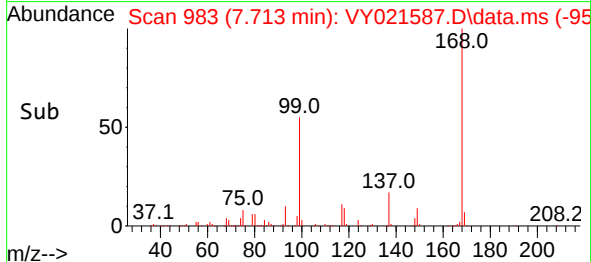
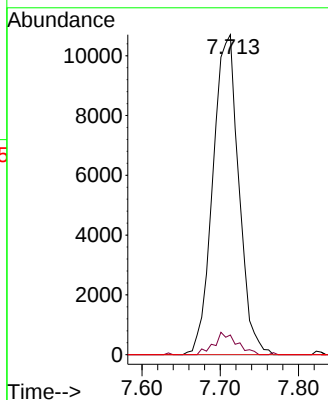
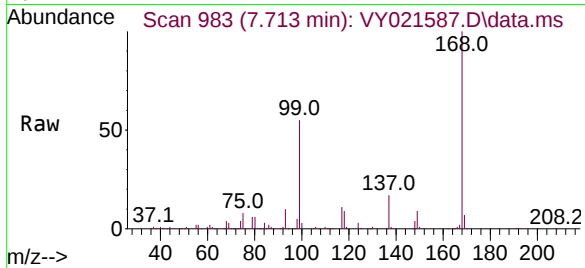




#38
Carbon Tetrachloride
Concen: 4.535 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

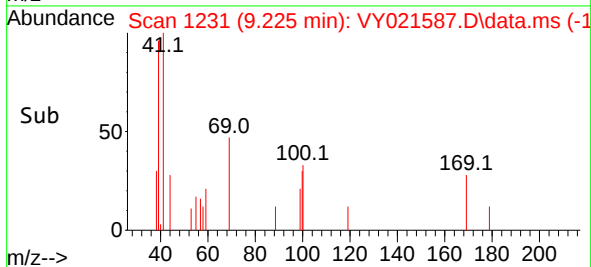
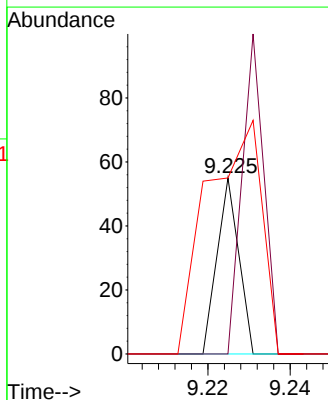
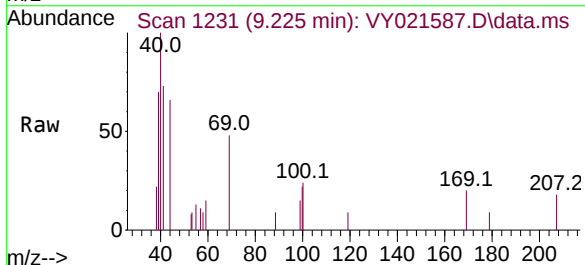
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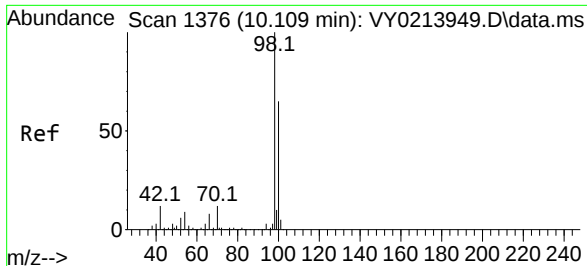
Tgt Ion:117 Resp: 24608
Ion Ratio Lower Upper
117 100
119 6.1 75.8 113.8#
121 0.0 23.9 35.9#



#49
1,4-Dioxane
Concen: 1.107 ug/l
RT: 9.225 min Scan# 1231
Delta R.T. -0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion: 88 Resp: 20
Ion Ratio Lower Upper
88 100
43 185.0 25.0 37.4#
58 335.0 58.4 87.6#

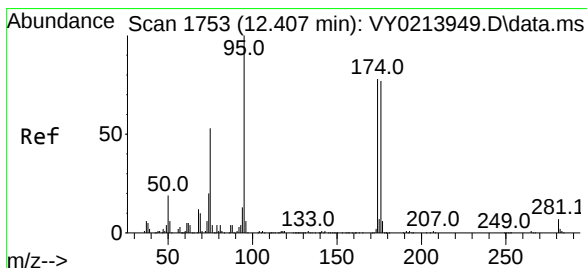
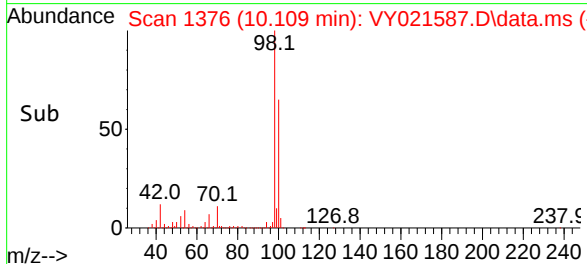
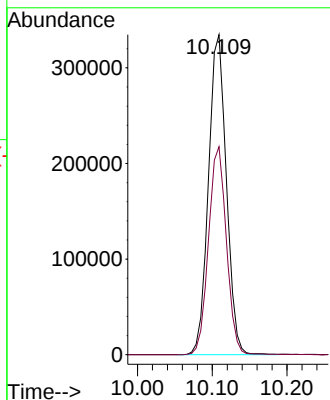
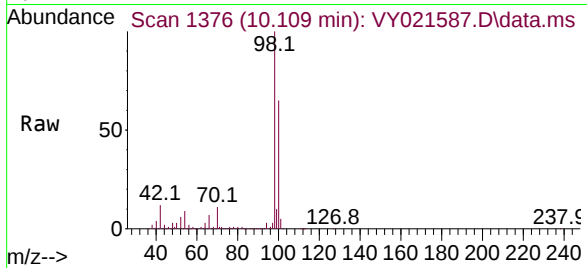




#50
Toluene-d8
Concen: 48.784 ug/l
RT: 10.109 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

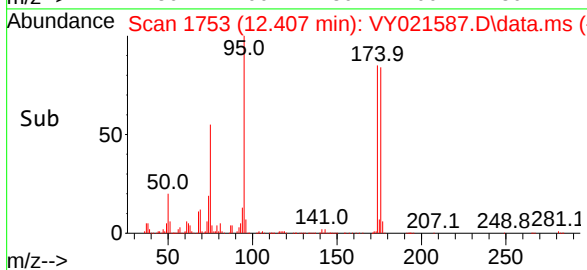
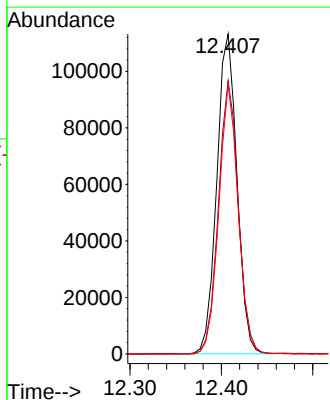
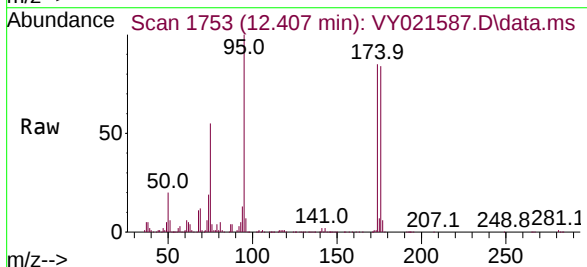
Instrument :
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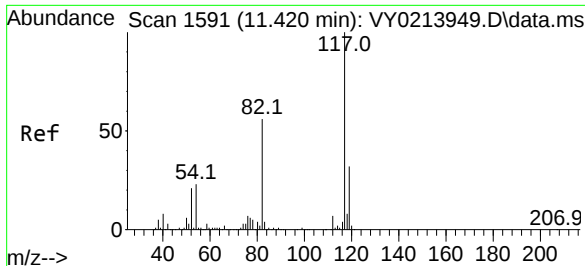
Tgt Ion: 98 Resp: 556798
Ion Ratio Lower Upper
98 100
100 64.9 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 44.662 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion: 95 Resp: 173399
Ion Ratio Lower Upper
95 100
174 84.6 0.0 165.0
176 81.2 0.0 160.0

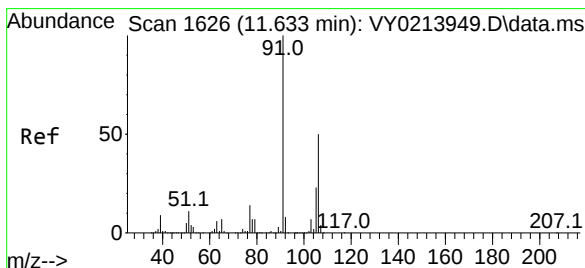
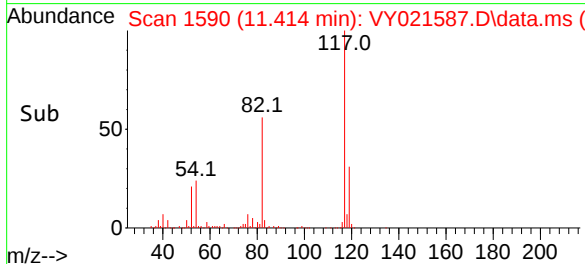
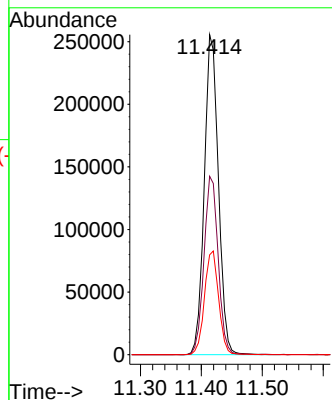
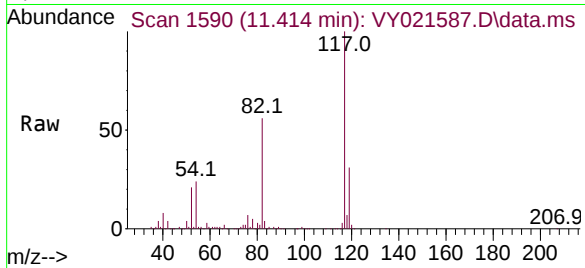




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

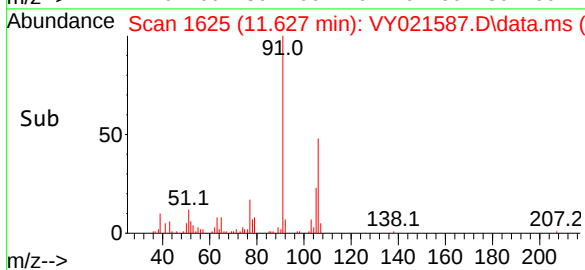
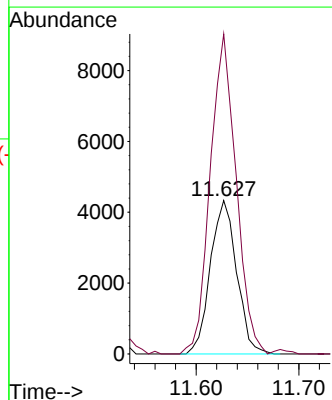
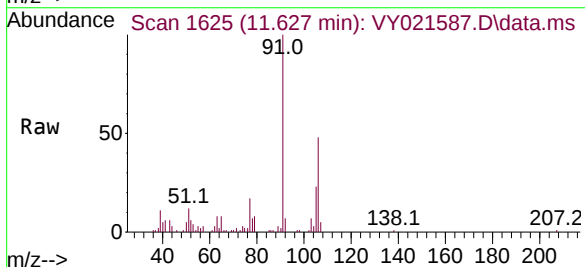
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-SOIL-CUTTING

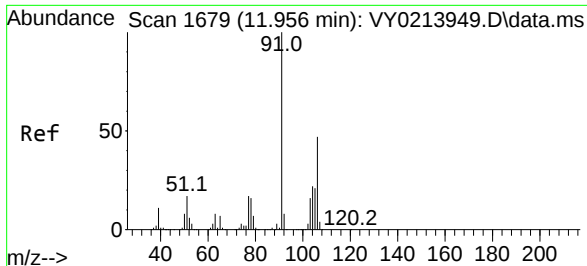
Tgt Ion:117 Resp: 412696
Ion Ratio Lower Upper
117 100
82 55.7 44.6 67.0
119 31.2 25.4 38.0



#68
m/p-Xylenes
Concen: 1.185 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion:106 Resp: 7698
Ion Ratio Lower Upper
106 100
91 205.5 161.7 242.5

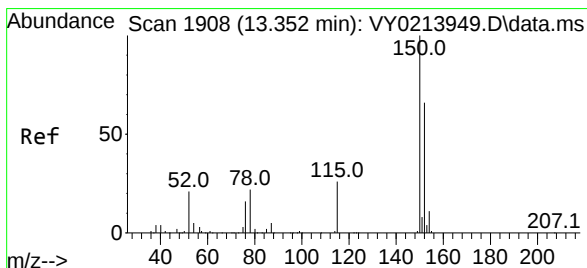
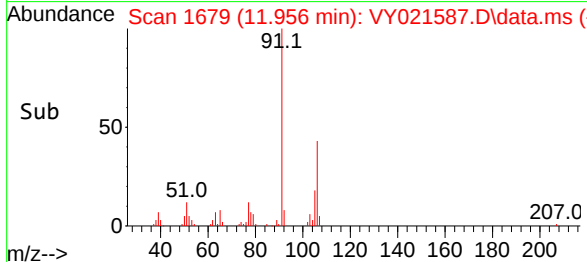
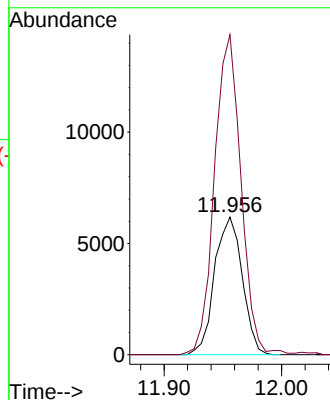
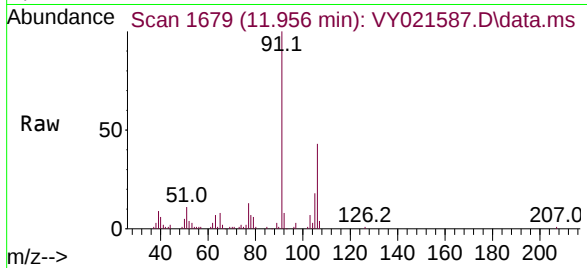




#69
o-Xylene
Concen: 1.692 ug/l
RT: 11.956 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

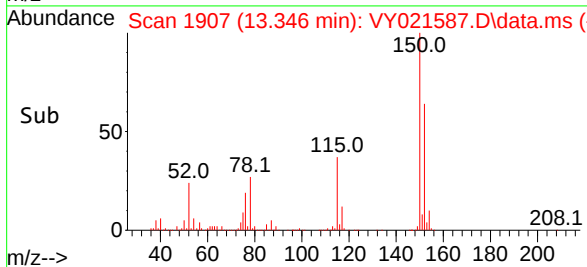
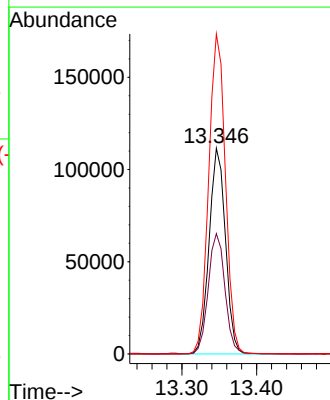
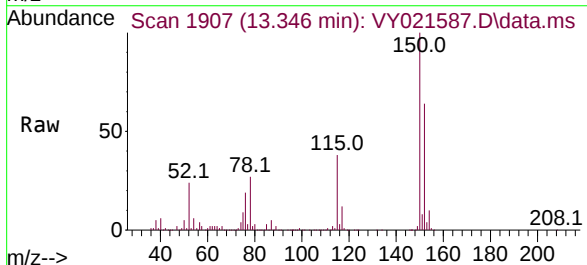
Instrument :
MSVOA_Y
ClientSampleId :
DRUM-SOIL-CUTTING

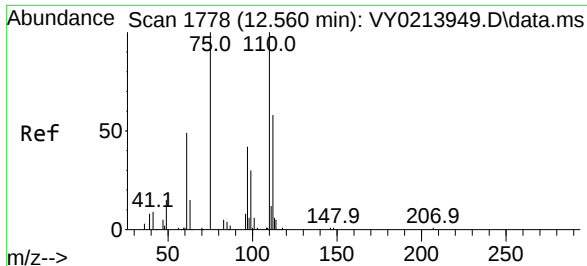
Tgt Ion:106 Resp: 10128
Ion Ratio Lower Upper
106 100
91 222.4 107.6 322.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021587.D
Acq: 20 Mar 2025 17:08

Tgt Ion:152 Resp: 169730
Ion Ratio Lower Upper
152 100
115 59.6 29.0 87.0
150 158.8 0.0 347.2

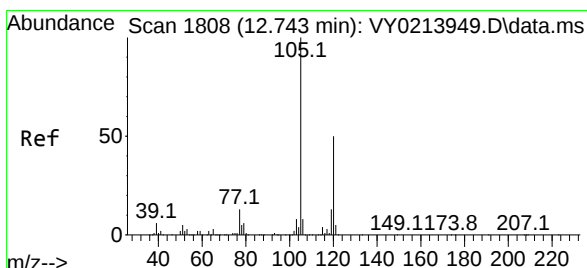
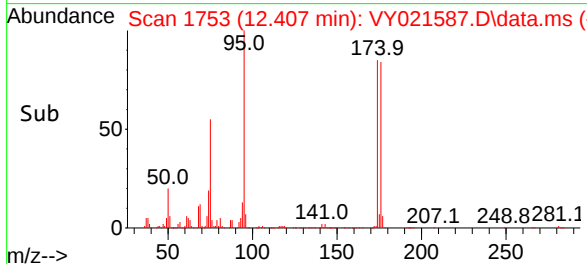
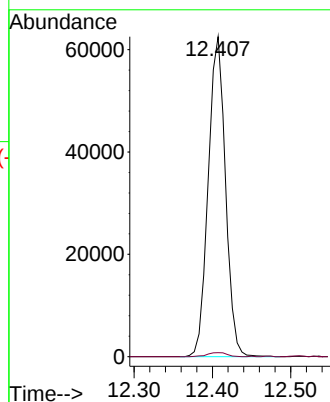
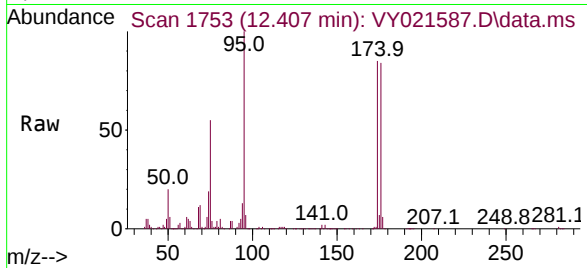




#76
 1,2,3-Trichloropropane
 Concen: 55.850 ug/l
 RT: 12.407 min Scan# 11
 Delta R.T. -0.152 min
 Lab File: VY021587.D
 Acq: 20 Mar 2025 17:08

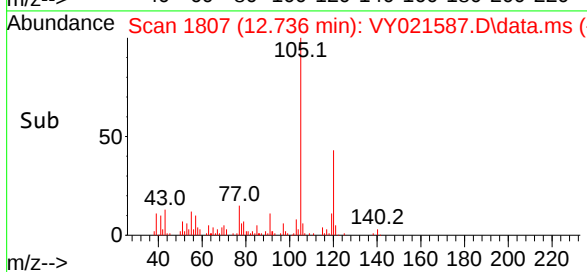
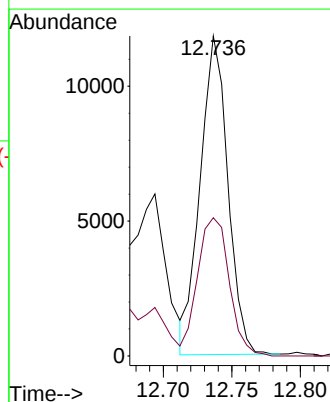
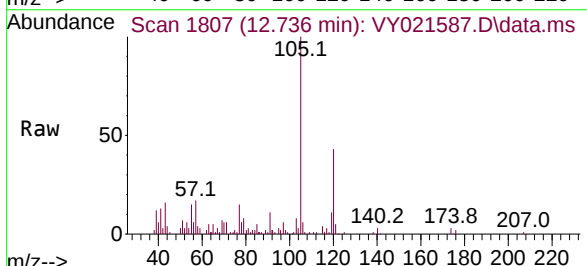
Instrument :
 MSVOA_Y
 ClientSampleId :
 DRUM-SOIL-CUTTING

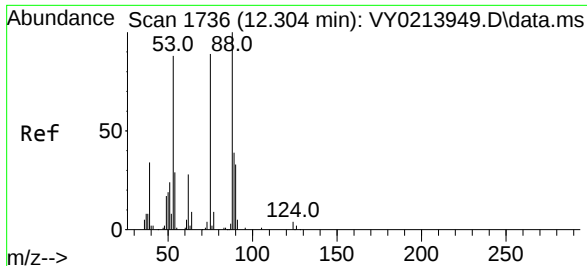
Tgt Ion: 75 Resp: 95522
 Ion Ratio Lower Upper
 75 100
 77 1.5 0.0 0.0#



#80
 1,3,5-Trimethylbenzene
 Concen: 1.525 ug/l
 RT: 12.736 min Scan# 1807
 Delta R.T. -0.006 min
 Lab File: VY021587.D
 Acq: 20 Mar 2025 17:08

Tgt Ion:105 Resp: 16574
 Ion Ratio Lower Upper
 105 100
 120 49.6 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 126.964 ug/l

RT: 12.407 min Scan# 11

Delta R.T. 0.104 min

Lab File: VY021587.D

Acq: 20 Mar 2025 17:08

Instrument :

MSVOA_Y

ClientSampleId :

DRUM-SOIL-CUTTING

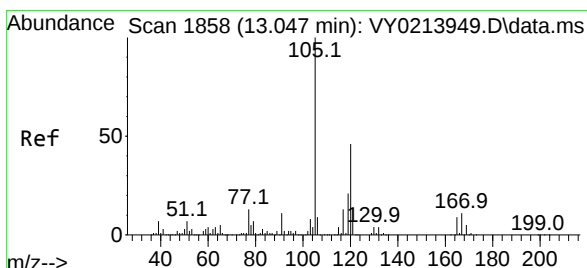
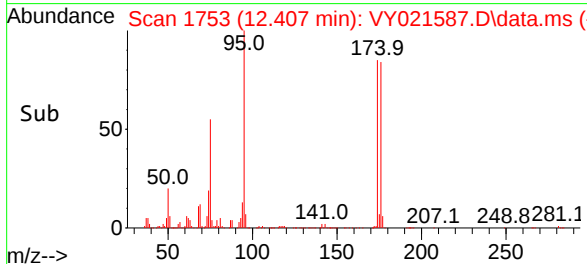
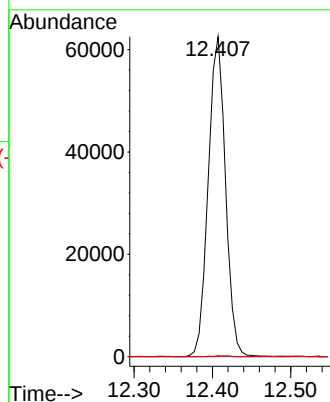
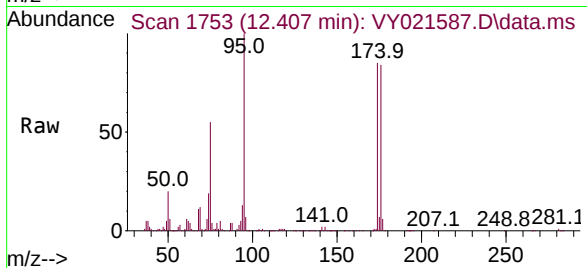
Tgt Ion: 75 Resp: 95522

Ion Ratio Lower Upper

75 100

53 0.2 81.0 121.4#

89 0.1 36.9 55.3#



#84

1,2,4-Trimethylbenzene

Concen: 2.230 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.006 min

Lab File: VY021587.D

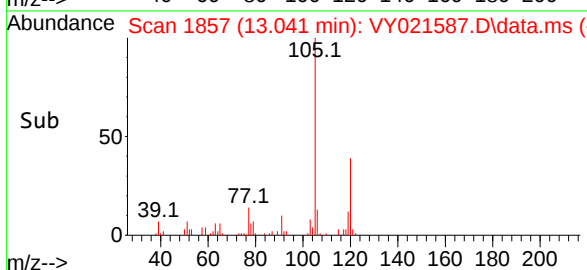
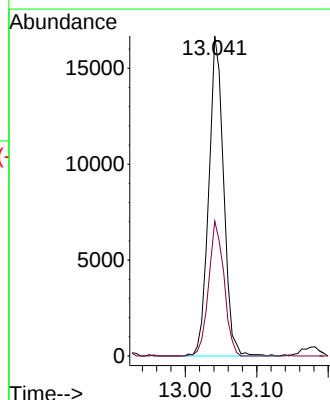
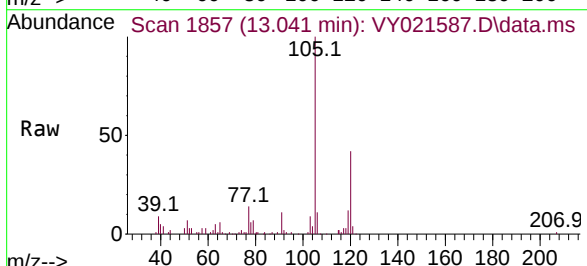
Acq: 20 Mar 2025 17:08

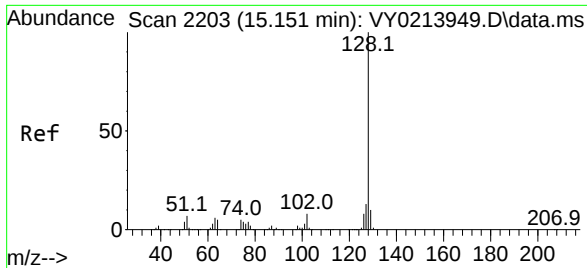
Tgt Ion: 105 Resp: 24057

Ion Ratio Lower Upper

105 100

120 43.7 22.7 68.1





#95

Naphthalene

Concen: 1.805 ug/l

RT: 15.145 min Scan# 21

Delta R.T. -0.006 min

Lab File: VY021587.D

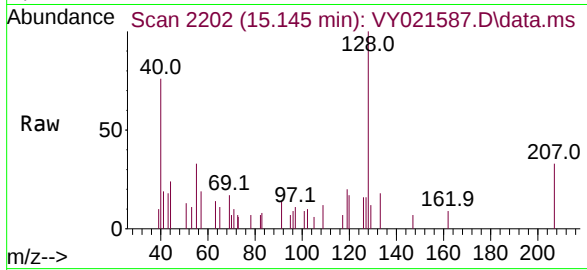
Acq: 20 Mar 2025 17:08

Instrument :

MSVOA_Y

ClientSampleId :

DRUM-SOIL-CUTTING



Tgt Ion:	128	Resp:	1640
Ion	Ratio	Lower	Upper
128	100		
127	10.4	10.6	15.8#
129	11.5	8.6	13.0

