

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042325\
 Data File : VY021968.D
 Acq On : 23 Apr 2025 13:53
 Operator : SY/MD
 Sample : Q1850-01
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONCRETE-PILE-N-C-LOT

Quant Time: Apr 24 03:45:51 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	323628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	598967	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	529863	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	214516	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141056	47.187	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.380%
35) Dibromofluoromethane	7.634	113	188708	47.688	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	95.380%
50) Toluene-d8	10.109	98	731836	49.056	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.120%
62) 4-Bromofluorobenzene	12.407	95	216760	43.161	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.320%

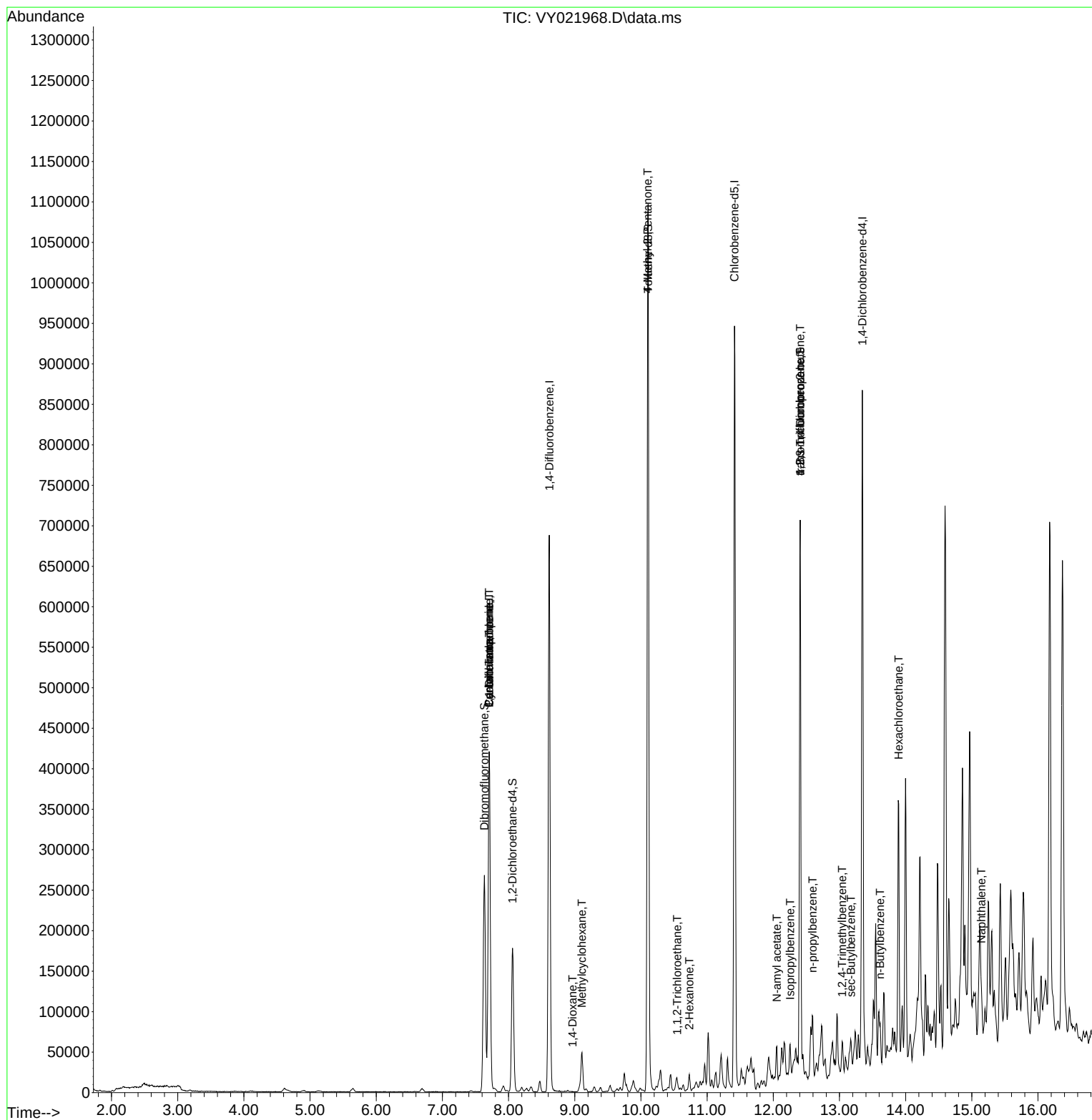
Target Compounds				Qvalue		
16) Acetone	3.866	43	1186	Below Cal		91
31) Cyclohexane	7.707	56	9359	1.894	ug/l #	18
36) 1,1-Dichloropropene	7.707	75	23838	4.485	ug/l #	48
38) Carbon Tetrachloride	7.707	117	31756	5.000	ug/l #	17
39) Methylcyclohexane	9.109	83	18540	2.772	ug/l	93
49) 1,4-Dioxane	8.969	88	46	1.876	ug/l #	28
51) 4-Methyl-2-Pentanone	10.103	43	3395	1.767	ug/l #	1
55) 1,1,2-Trichloroethane	10.548	97	4758	1.549	ug/l #	21
59) 2-Hexanone	10.731	43	6147	4.849	ug/l #	23
73) Isopropylbenzene	12.255	105	24660	1.721	ug/l	99
74) N-amyl acetate	12.054	43	8312	3.376	ug/l #	78
76) 1,2,3-Trichloropropane	12.407	75	105304	57.310	ug/l #	100
78) n-propylbenzene	12.596	91	57298	3.357	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.407	75	105304	138.012	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.041	105	18176	1.539	ug/l	99
85) sec-Butylbenzene	13.176	105	20540	1.325	ug/l	78
89) n-Butylbenzene	13.614	91	28394	2.414	ug/l #	71
90) Hexachloroethane	13.895	117	16964	5.867	ug/l #	11
95) Naphthalene	15.145	128	33323	5.518	ug/l #	90

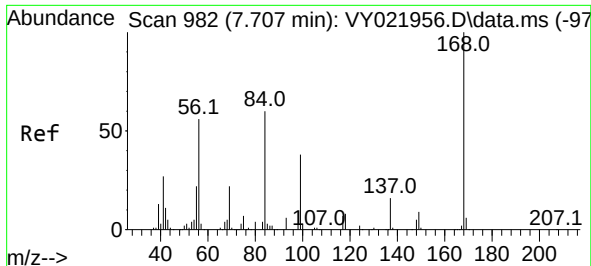
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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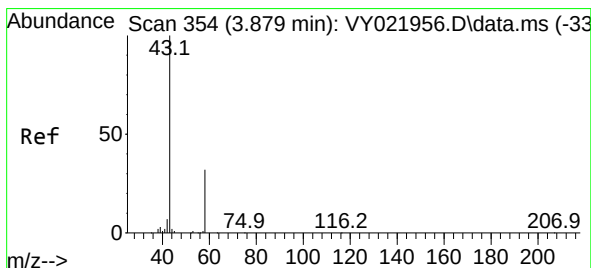
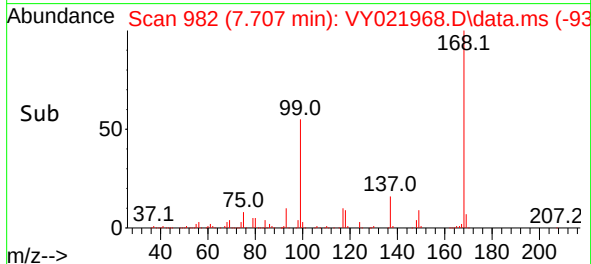
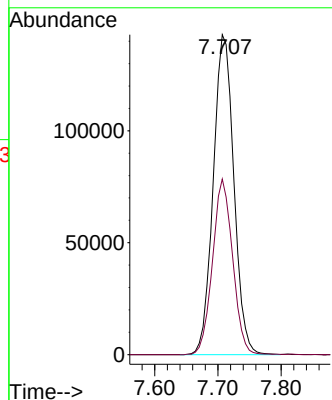
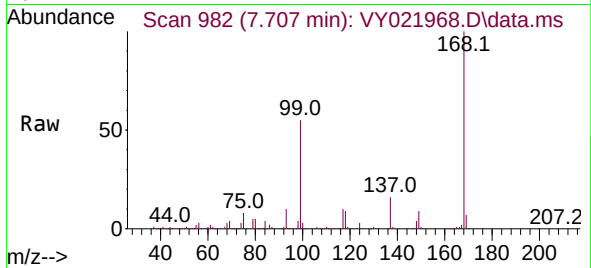




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 99
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

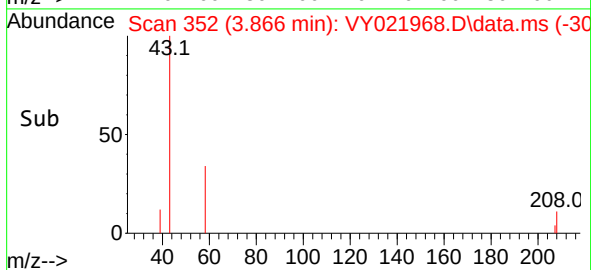
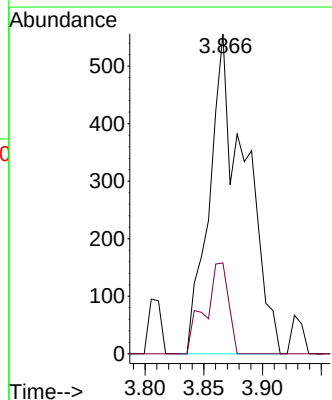
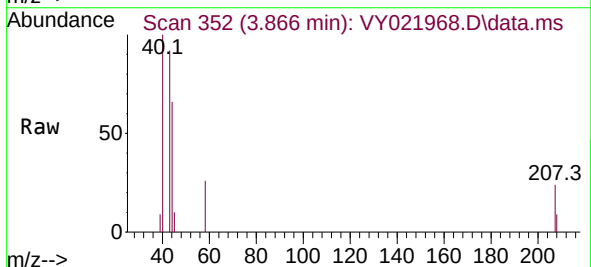
Instrument :
MSVOA_Y
ClientSampleId :
CONCRETE-PILE-N-C-LOT

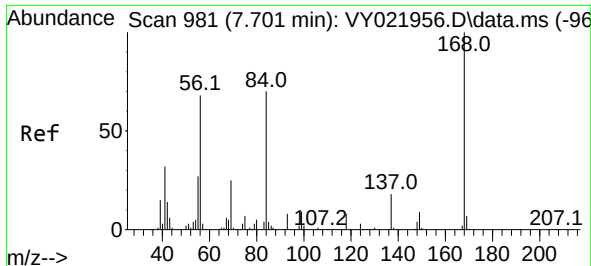
Tgt Ion:168 Resp: 323628
Ion Ratio Lower Upper
168 100
99 54.9 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.866 min Scan# 352
Delta R.T. -0.013 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 43 Resp: 1186
Ion Ratio Lower Upper
43 100
58 28.4 27.0 40.4

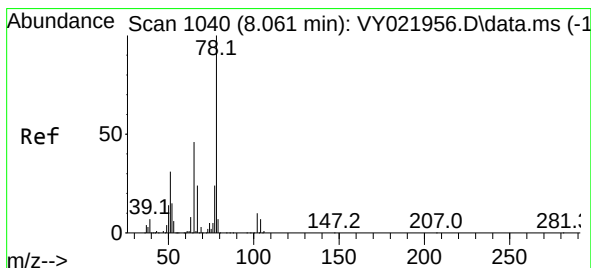
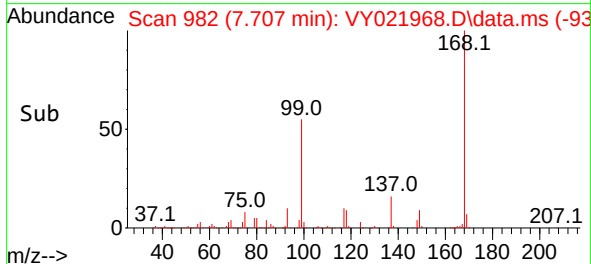
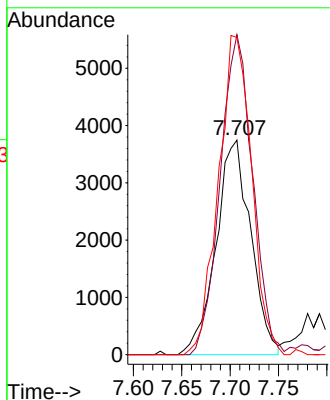
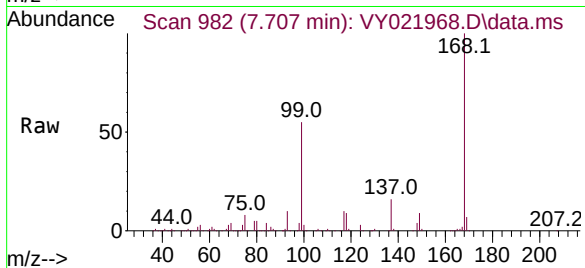




#31
Cyclohexane
Concen: 1.894 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

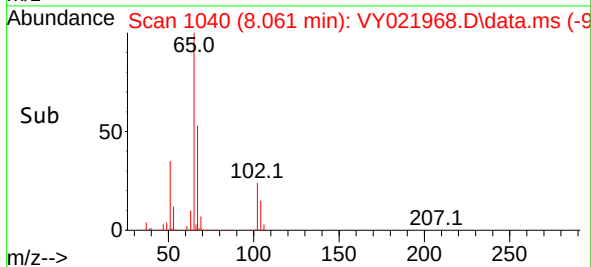
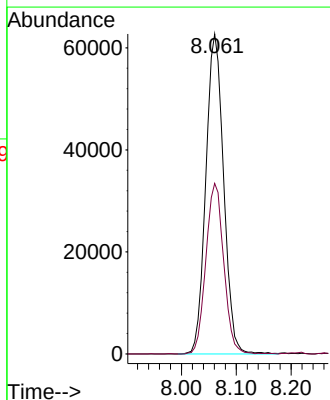
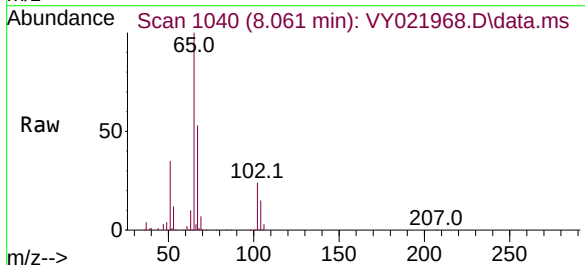
Instrument :
MSVOA_Y
ClientSampleId :
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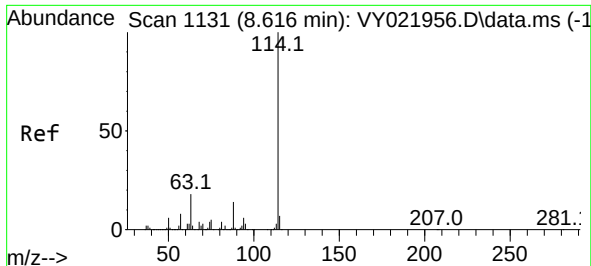
Tgt Ion: 56 Resp: 9359
Ion Ratio Lower Upper
56 100
69 149.1 29.4 44.2#
84 147.8 82.2 123.4#



#33
1,2-Dichloroethane-d4
Concen: 47.187 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 65 Resp: 141056
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

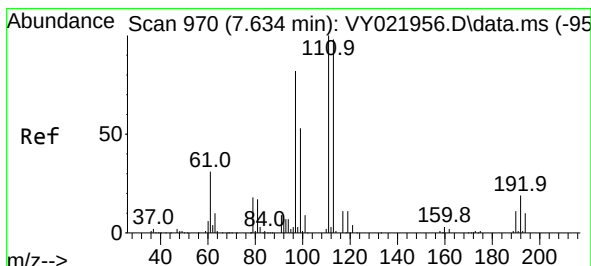
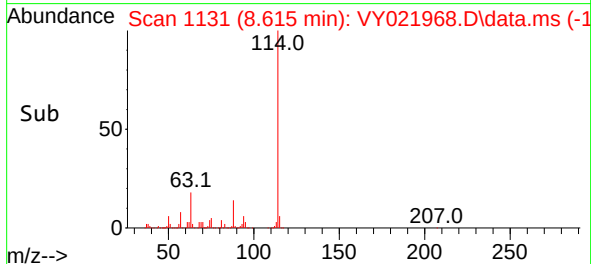
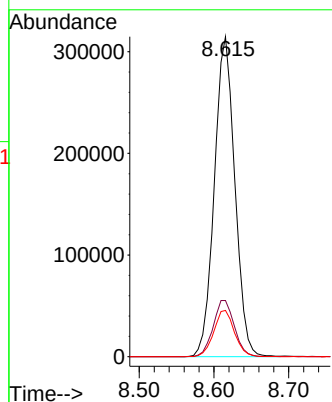
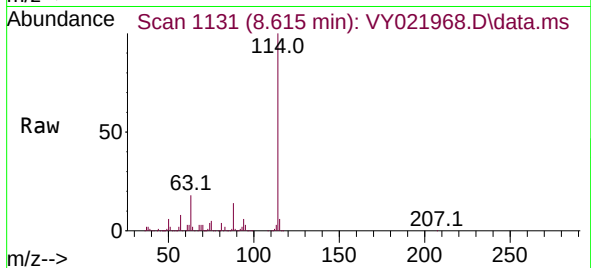




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

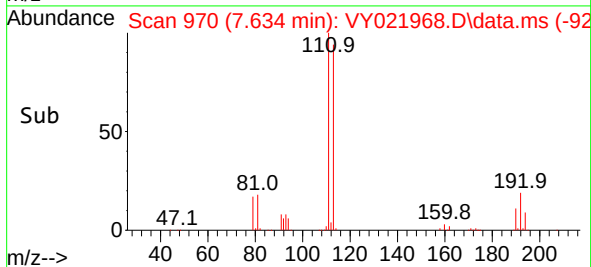
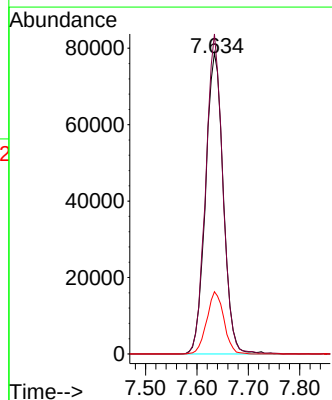
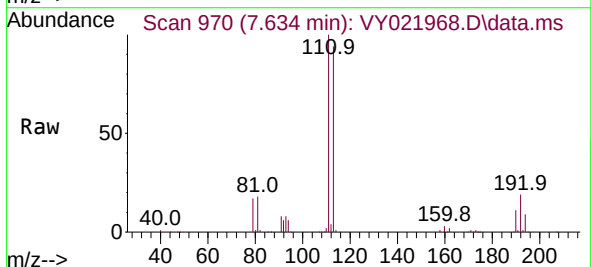
Instrument :
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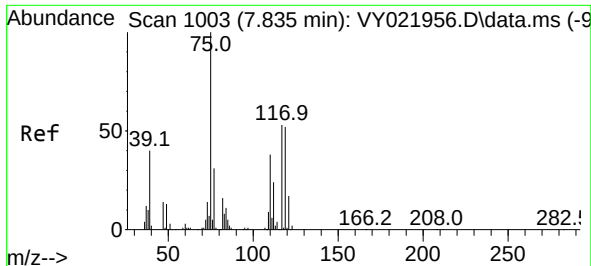
Tgt Ion:114 Resp: 598967
Ion Ratio Lower Upper
114 100
63 17.5 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 47.688 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion:113 Resp: 188708
Ion Ratio Lower Upper
113 100
111 102.6 81.8 122.8
192 20.0 15.6 23.4

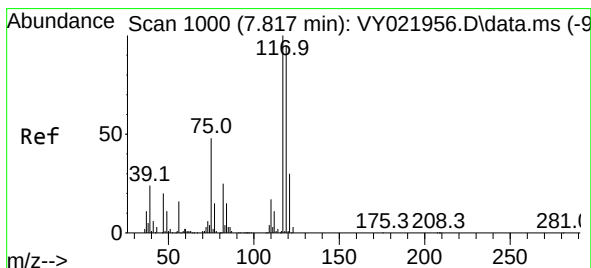
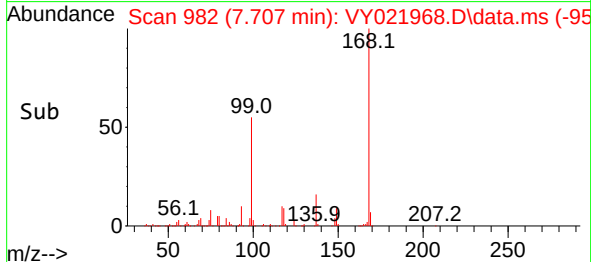
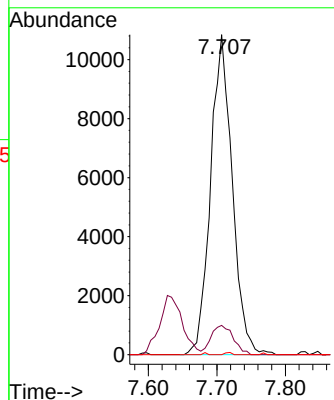
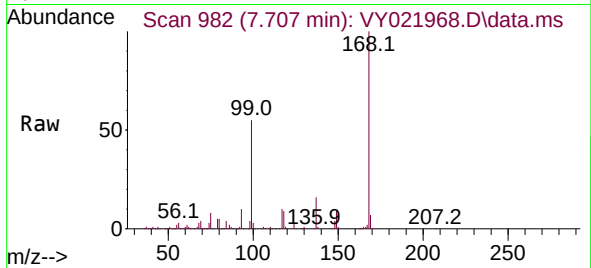




#36
1,1-Dichloropropene
Concen: 4.485 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

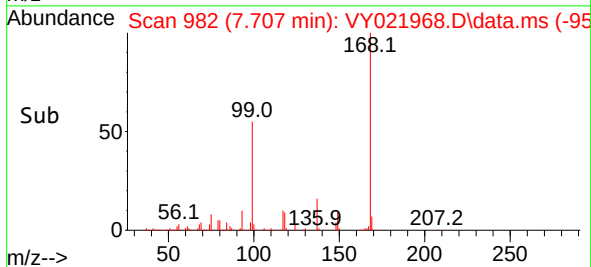
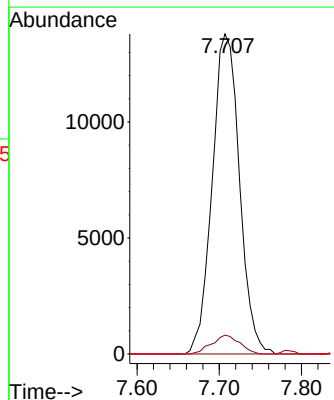
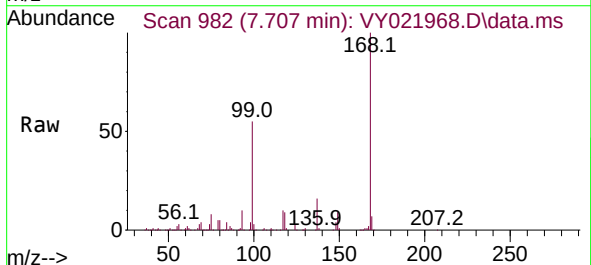
Instrument :
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ClientSampleId :
CONCRETE-PILE-N-C-LOT

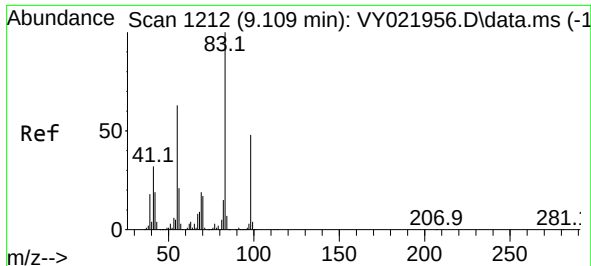
Tgt Ion: 75 Resp: 23838
Ion Ratio Lower Upper
75 100
110 9.4 19.1 57.3#
77 0.2 25.5 38.3#



#38
Carbon Tetrachloride
Concen: 5.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.110 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 117 Resp: 31756
Ion Ratio Lower Upper
117 100
119 5.9 76.2 114.4#
121 0.0 24.0 36.0#

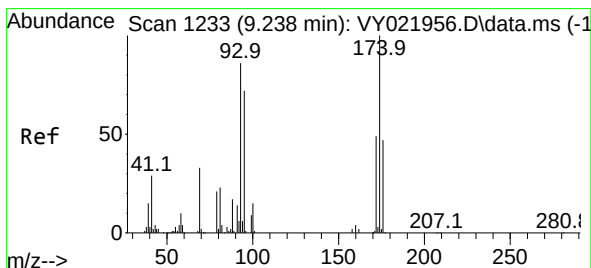
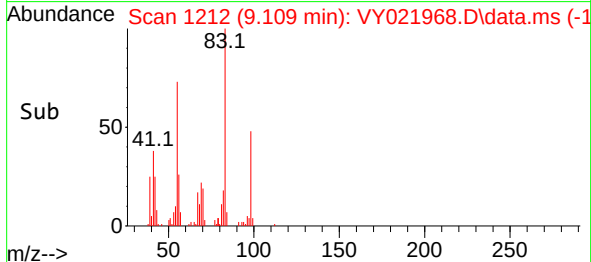
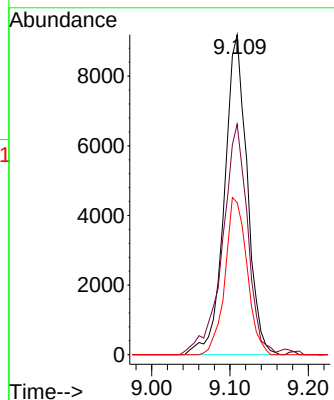
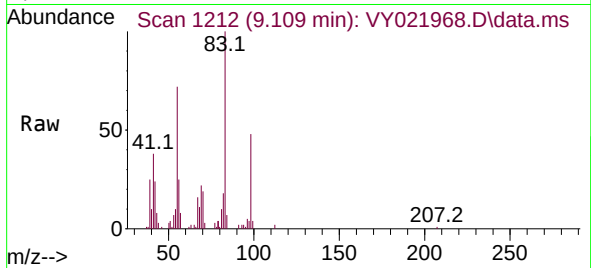




#39
Methylcyclohexane
Concen: 2.772 ug/l
RT: 9.109 min Scan# 1189
Delta R.T. -0.000 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

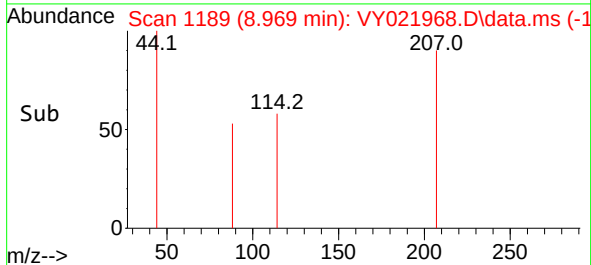
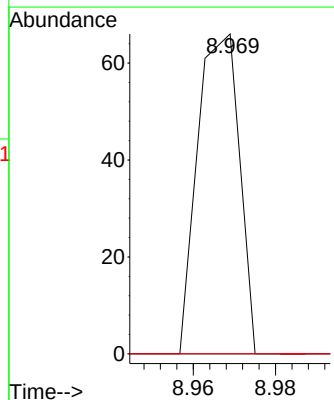
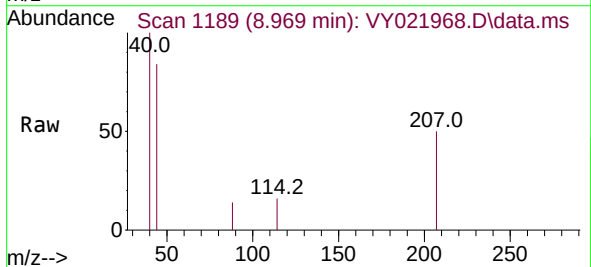
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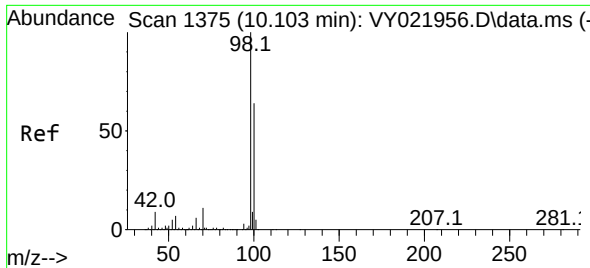
Tgt Ion: 83 Resp: 18540
Ion Ratio Lower Upper
83 100
55 72.0 50.6 75.8
98 47.6 38.6 58.0



#49
1,4-Dioxane
Concen: 1.876 ug/l
RT: 8.969 min Scan# 1189
Delta R.T. -0.269 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 88 Resp: 46
Ion Ratio Lower Upper
88 100
43 0.0 21.3 31.9#
58 0.0 50.5 75.7#

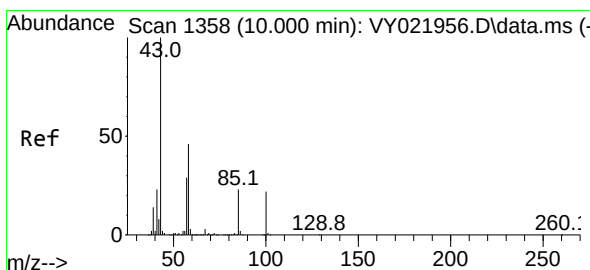
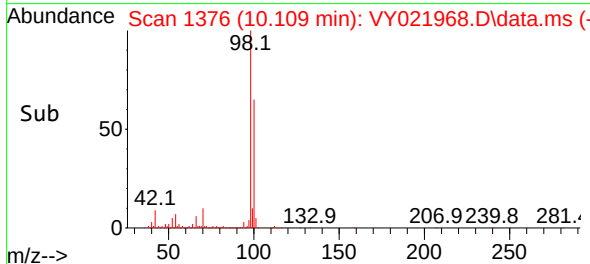
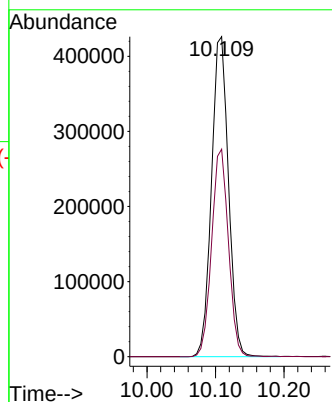
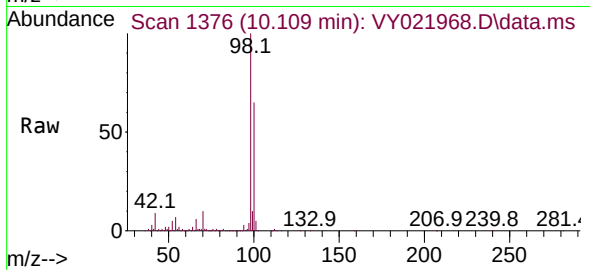




#50
Toluene-d8
Concen: 49.056 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

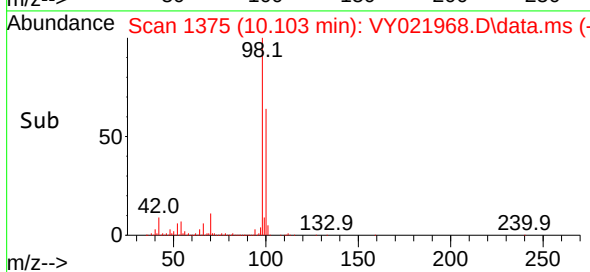
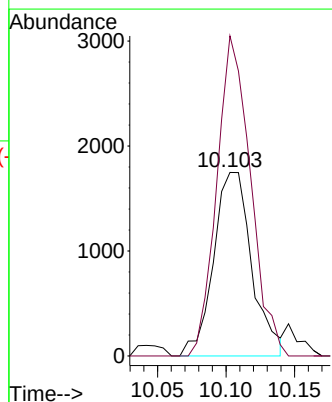
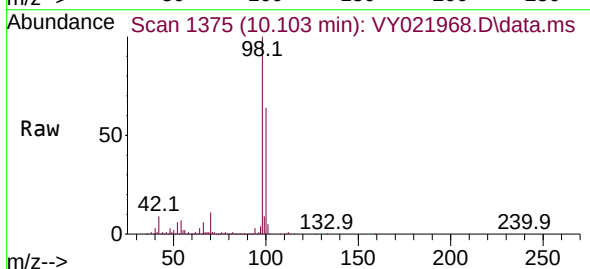
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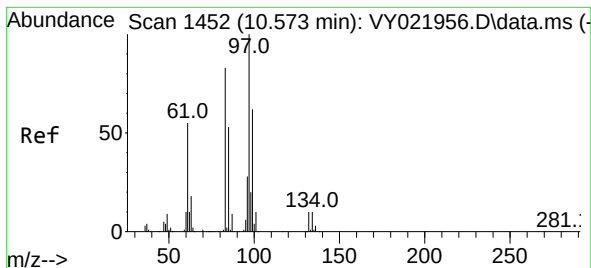
Tgt Ion: 98 Resp: 731836
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#51
4-Methyl-2-Pentanone
Concen: 1.767 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.103 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion: 43 Resp: 3395
Ion Ratio Lower Upper
43 100
58 153.8 36.6 55.0#

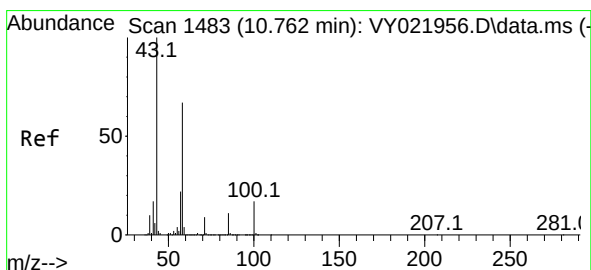
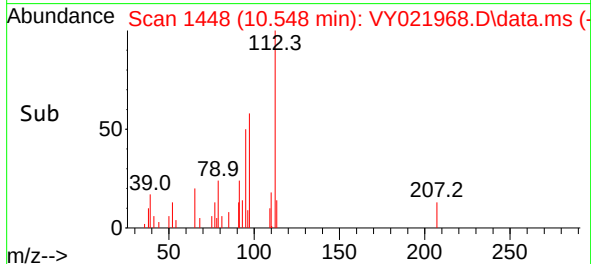
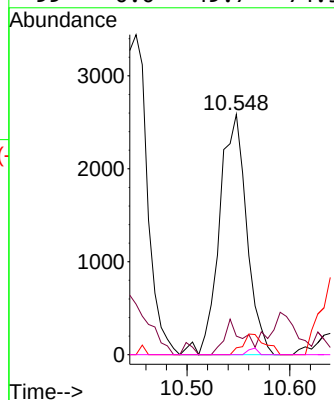
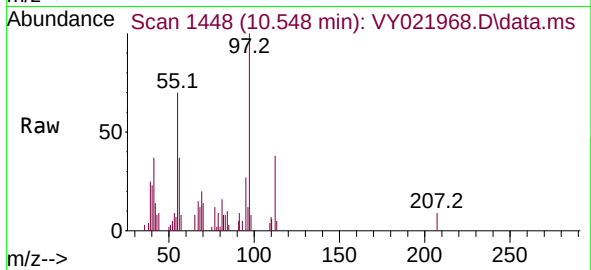




#55
1,1,2-Trichloroethane
Concen: 1.549 ug/l
RT: 10.548 min Scan# 1448
Delta R.T. -0.025 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

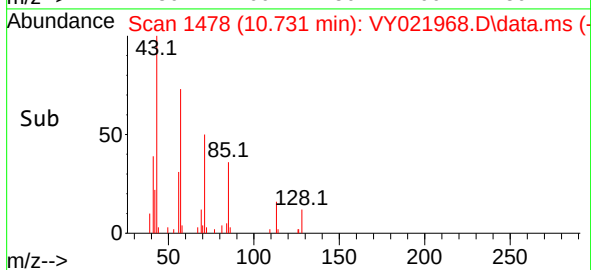
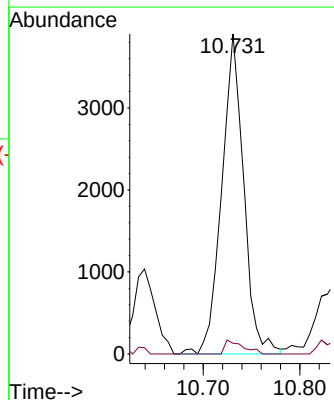
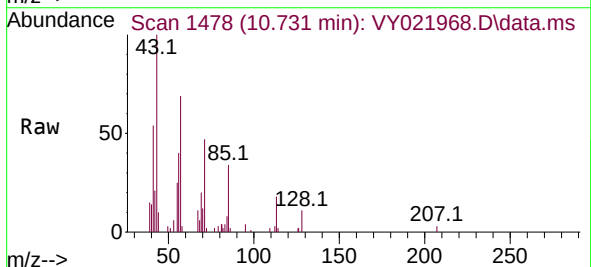
Instrument :
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CONCRETE-PILE-N-C-LOT

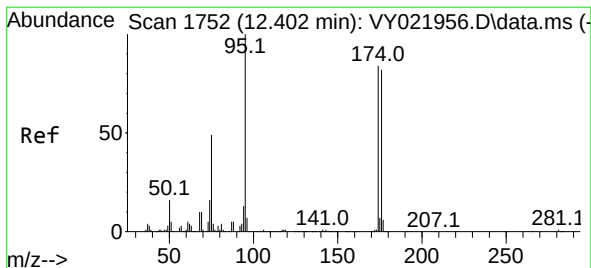
Tgt Ion:	97	Resp:	4758
Ion	Ratio	Lower	Upper
97	100		
83	7.7	66.7	100.1#
85	2.9	42.6	64.0#
99	0.0	49.7	74.5#



#59
2-Hexanone
Concen: 4.849 ug/l
RT: 10.731 min Scan# 1478
Delta R.T. -0.031 min
Lab File: VY021968.D
Acq: 23 Apr 2025 13:53

Tgt Ion:	43	Resp:	6147
Ion	Ratio	Lower	Upper
43	100		
58	3.6	32.0	96.0#





#62

4-Bromofluorobenzene

Concen: 43.161 ug/l

RT: 12.407 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

CONCRETE-PILE-N-C-LOT

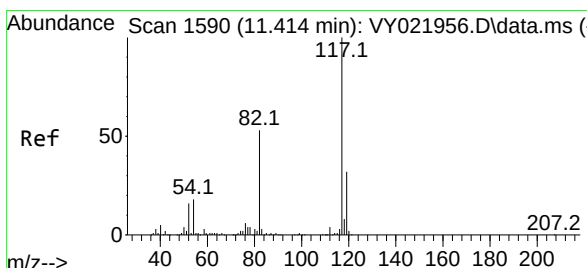
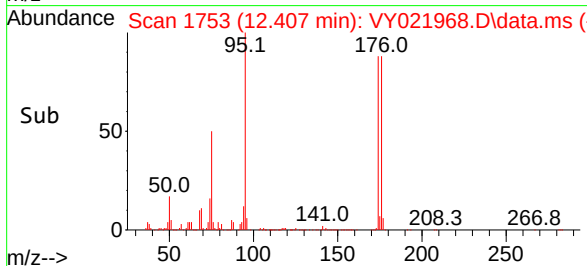
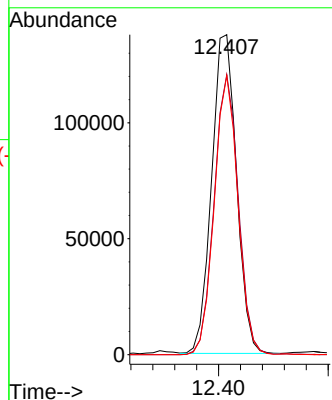
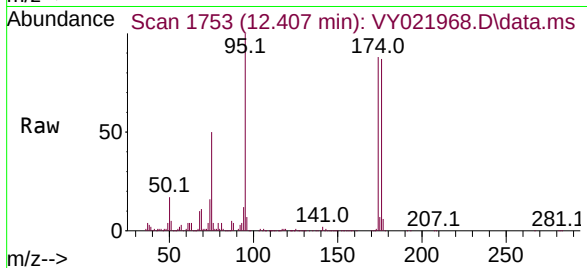
Tgt Ion: 95 Resp: 216760

Ion Ratio Lower Upper

95 100

174 85.7 0.0 179.0

176 83.3 0.0 171.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1590

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

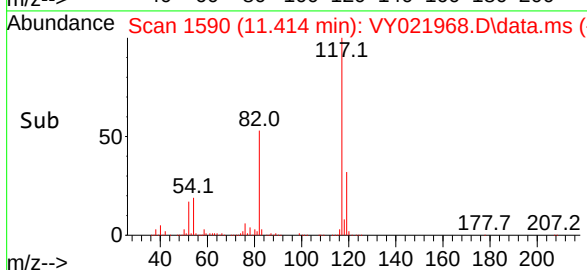
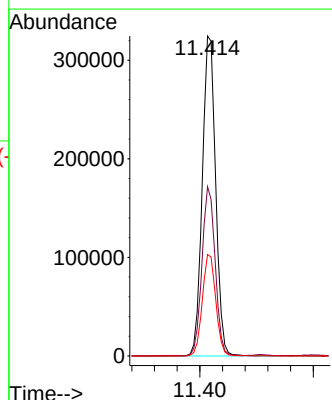
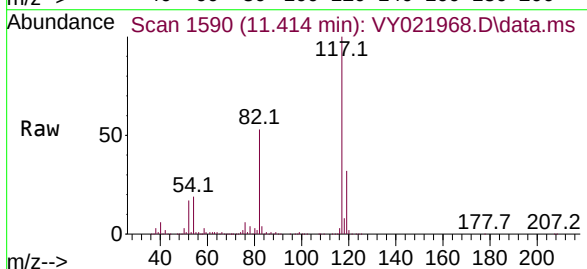
Tgt Ion: 117 Resp: 529863

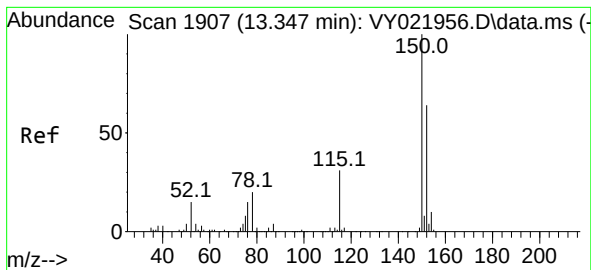
Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

119 31.7 25.7 38.5





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

CONCRETE-PILE-N-C-LOT

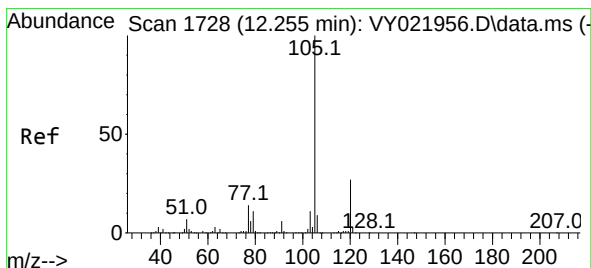
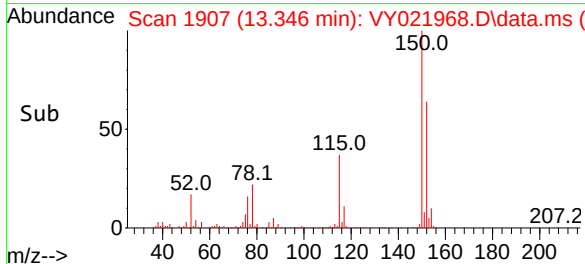
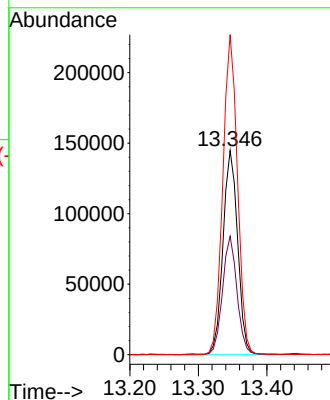
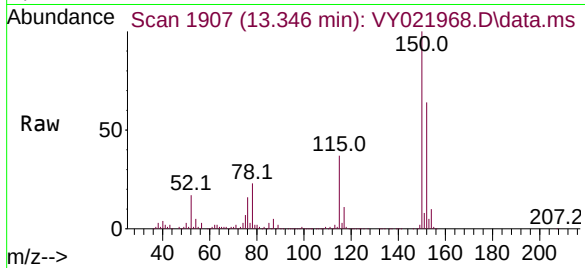
Tgt Ion:152 Resp: 214516

Ion Ratio Lower Upper

152 100

115 56.8 28.0 84.0

150 156.3 0.0 345.6



#73

Isopropylbenzene

Concen: 1.721 ug/l

RT: 12.255 min Scan# 1728

Delta R.T. -0.000 min

Lab File: VY021968.D

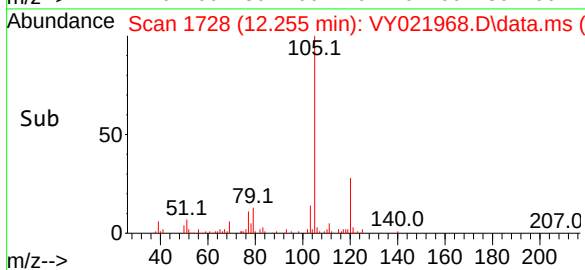
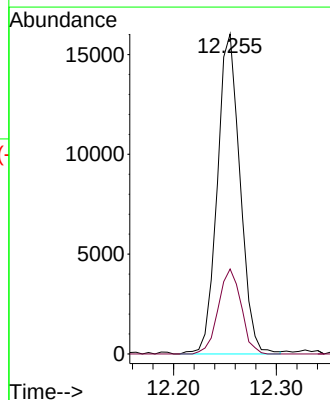
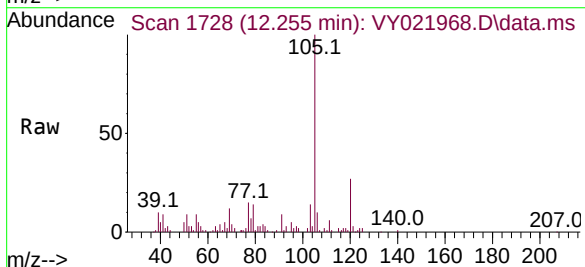
Acq: 23 Apr 2025 13:53

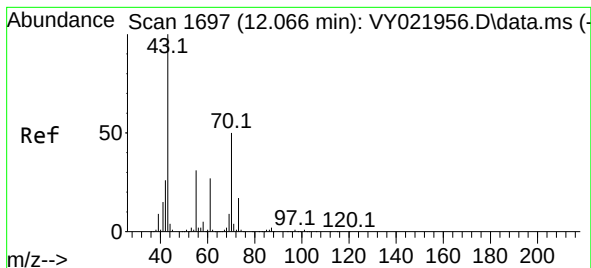
Tgt Ion:105 Resp: 24660

Ion Ratio Lower Upper

105 100

120 26.5 13.5 40.5





#74

N-amy1 acetate

Concen: 3.376 ug/l

RT: 12.054 min Scan# 1

Delta R.T. -0.013 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

CONCRETE-PILE-N-C-LOT

Tgt Ion: 43 Resp: 8312

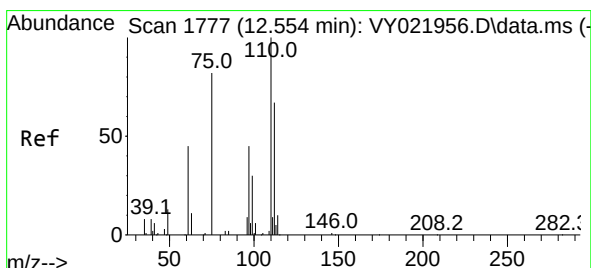
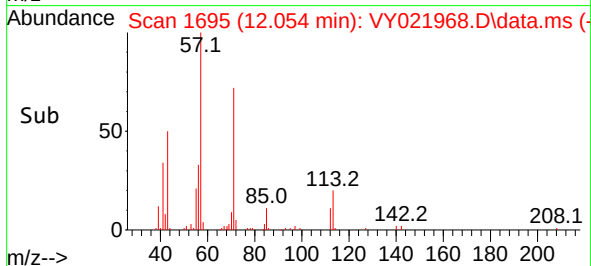
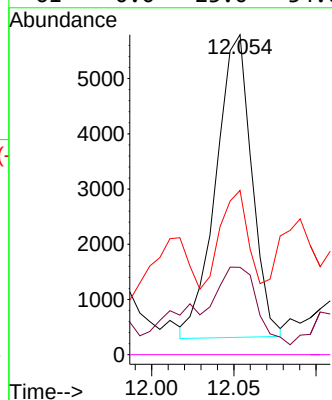
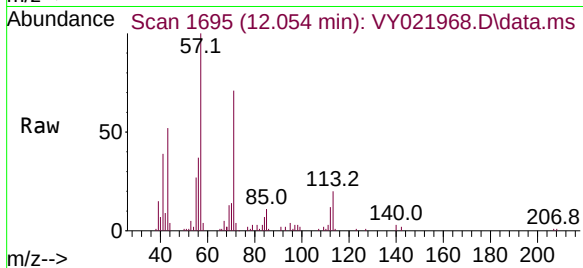
Ion Ratio Lower Upper

43 100

70 43.1 43.2 64.8#

55 30.1 25.7 38.5

61 0.0 23.0 34.6#



#76

1,2,3-Trichloropropane

Concen: 57.310 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. -0.147 min

Lab File: VY021968.D

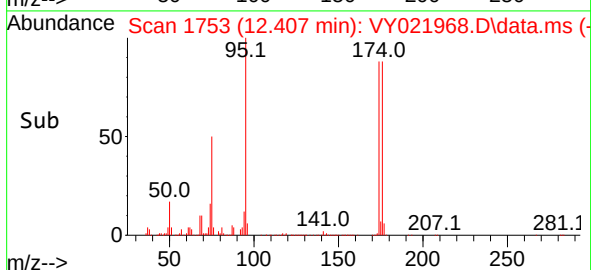
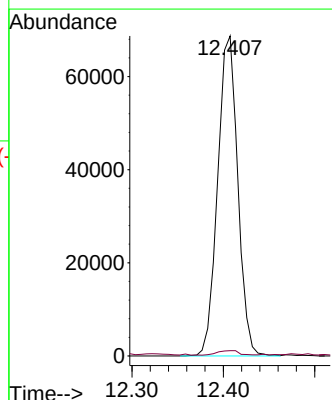
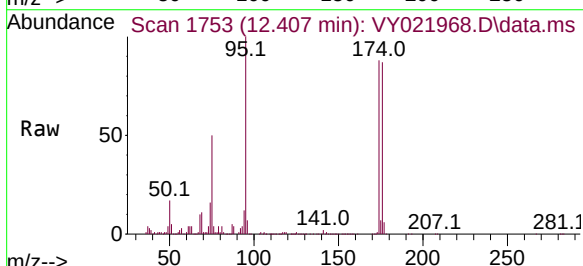
Acq: 23 Apr 2025 13:53

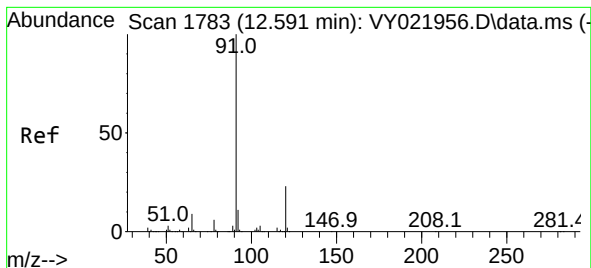
Tgt Ion: 75 Resp: 105304

Ion Ratio Lower Upper

75 100

77 1.6 0.0 0.0#





#78

n-propylbenzene

Concen: 3.357 ug/l

RT: 12.596 min Scan# 1783

Delta R.T. 0.006 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

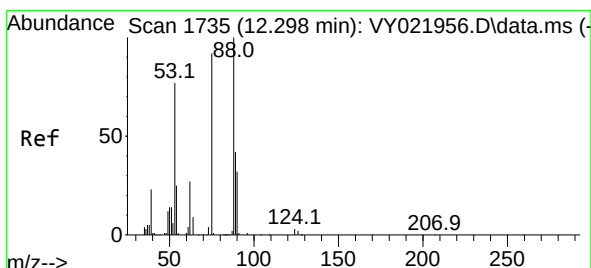
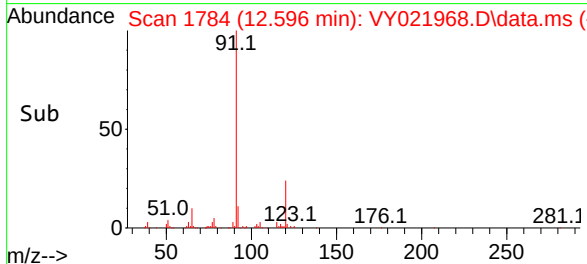
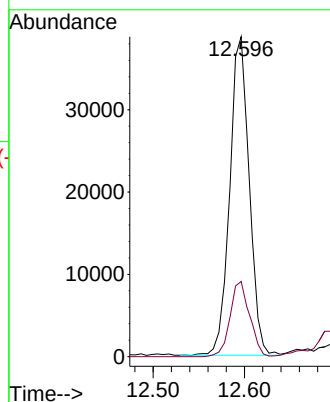
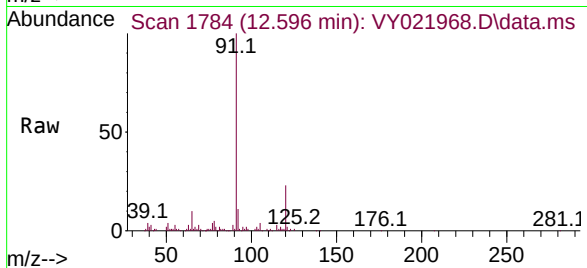
CONCRETE-PILE-N-C-LOT

Tgt Ion: 91 Resp: 57298

Ion Ratio Lower Upper

91 100

120 23.8 11.9 35.5



#81

trans-1,4-Dichloro-2-butene

Concen: 138.012 ug/l

RT: 12.407 min Scan# 1753

Delta R.T. 0.109 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

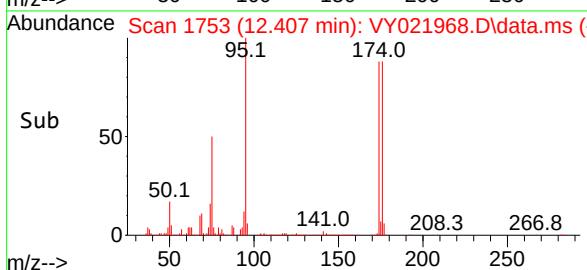
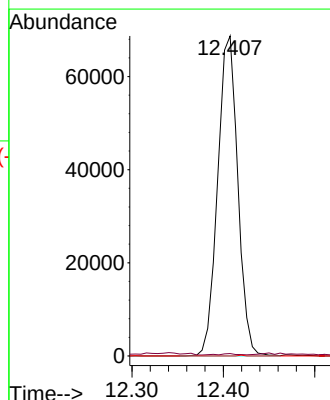
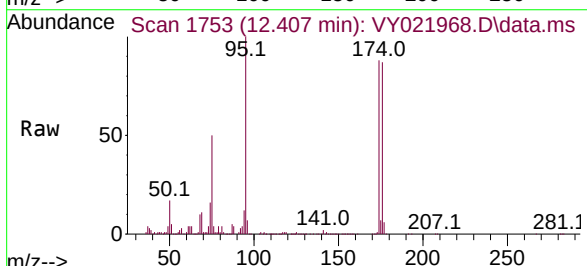
Tgt Ion: 75 Resp: 105304

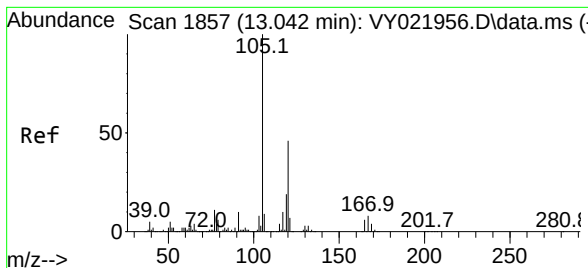
Ion Ratio Lower Upper

75 100

53 0.3 66.0 99.0#

89 0.1 37.2 55.8#





#84

1,2,4-Trimethylbenzene

Concen: 1.539 ug/l

RT: 13.041 min Scan# 1857

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Instrument :

MSVOA_Y

ClientSampleId :

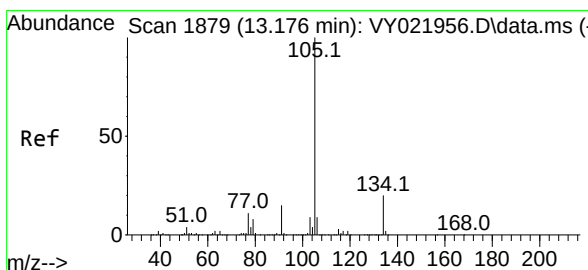
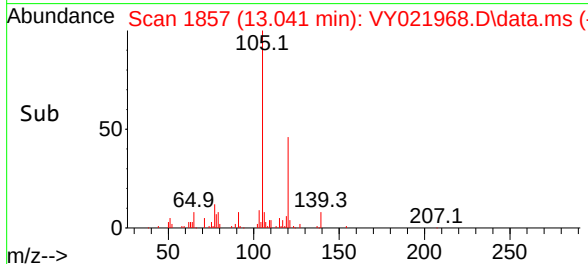
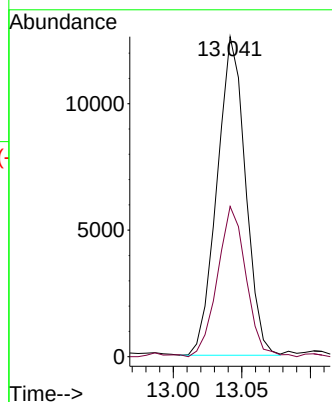
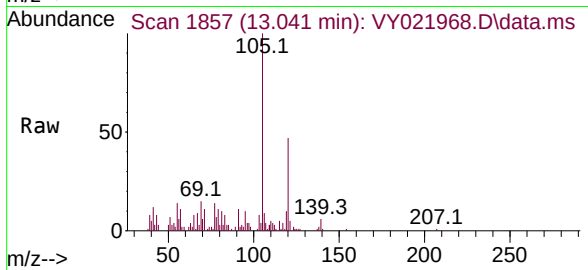
CONCRETE-PILE-N-C-LOT

Tgt Ion:105 Resp: 18176

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0



#85

sec-Butylbenzene

Concen: 1.325 ug/l

RT: 13.176 min Scan# 1879

Delta R.T. -0.000 min

Lab File: VY021968.D

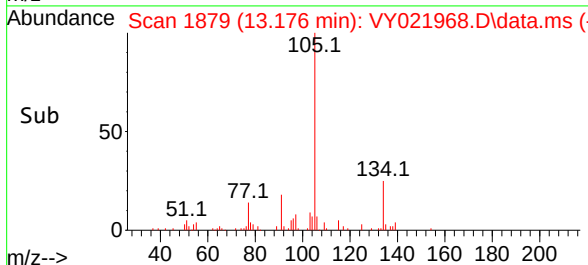
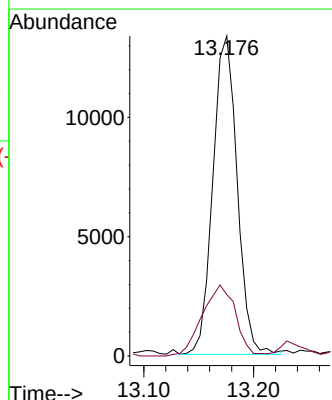
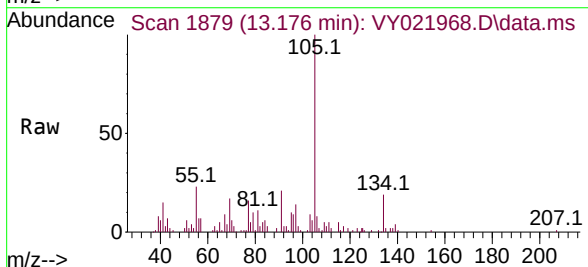
Acq: 23 Apr 2025 13:53

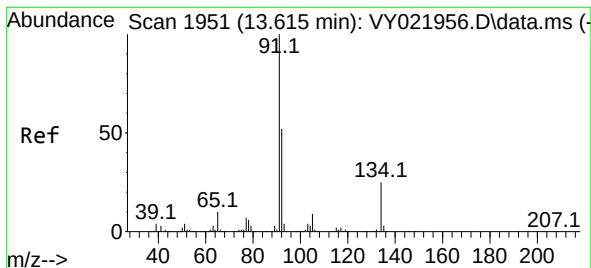
Tgt Ion:105 Resp: 20540

Ion Ratio Lower Upper

105 100

134 30.7 10.3 30.9





#89

n-Butylbenzene

Concen: 2.414 ug/l

RT: 13.614 min Scan# 1951

Delta R.T. -0.000 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

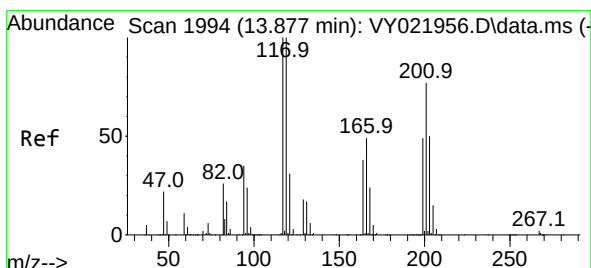
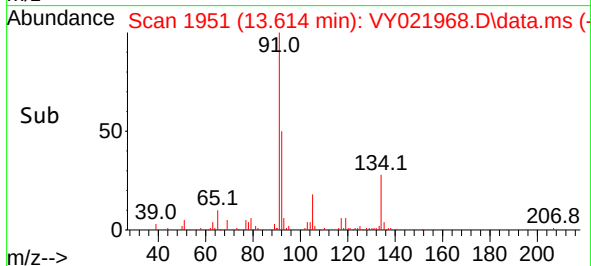
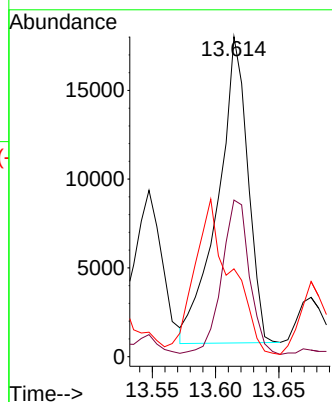
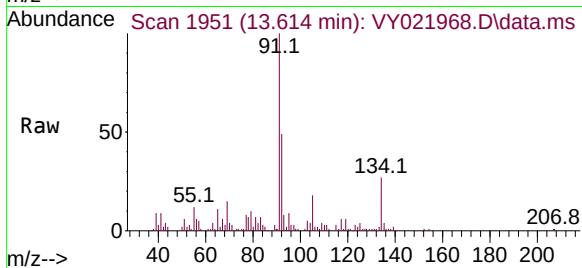
Instrument :

MSVOA_Y

ClientSampleId :

CONCRETE-PILE-N-C-LOT

Tgt Ion:	91	Resp:	28394
Ion	Ratio	Lower	Upper
91	100		
92	47.3	26.5	79.5
134	63.2	13.4	40.1#



#90

Hexachloroethane

Concen: 5.867 ug/l

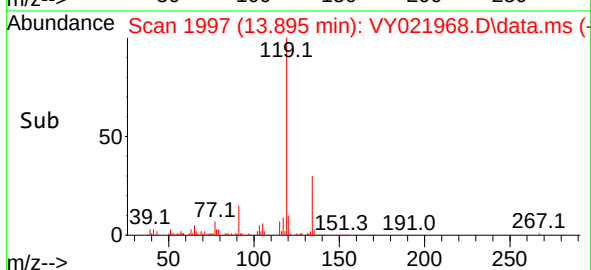
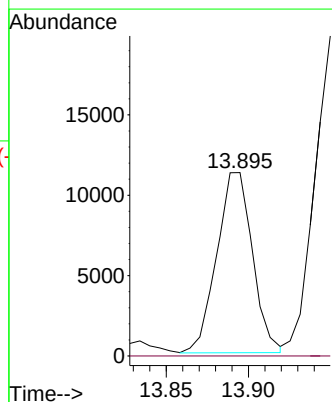
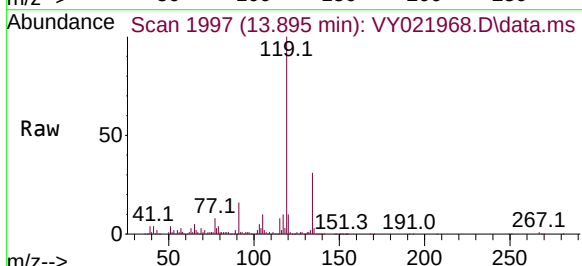
RT: 13.895 min Scan# 1997

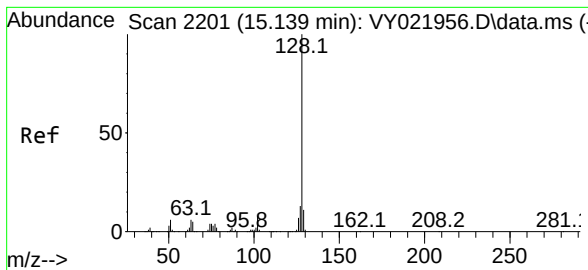
Delta R.T. 0.018 min

Lab File: VY021968.D

Acq: 23 Apr 2025 13:53

Tgt Ion:	117	Resp:	16964
Ion	Ratio	Lower	Upper
117	100		
201	0.0	38.7	116.1#





#95
 Naphthalene
 Concen: 5.518 ug/l
 RT: 15.145 min Scan# 21
 Delta R.T. 0.006 min
 Lab File: VY021968.D
 Acq: 23 Apr 2025 13:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 CONCRETE-PILE-N-C-LOT

Tgt Ion:	128	Resp:	33323
Ion	Ratio	Lower	Upper
128	100		
127	15.6	10.6	16.0
129	16.5	8.9	13.3

