

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041525\
 Data File : VY021891.D
 Acq On : 15 Apr 2025 13:16
 Operator : SY/MD
 Sample : Q1808-01
 Misc : 5.69g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OILY-SOIL-PILE

Quant Time: Apr 16 03:01:45 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

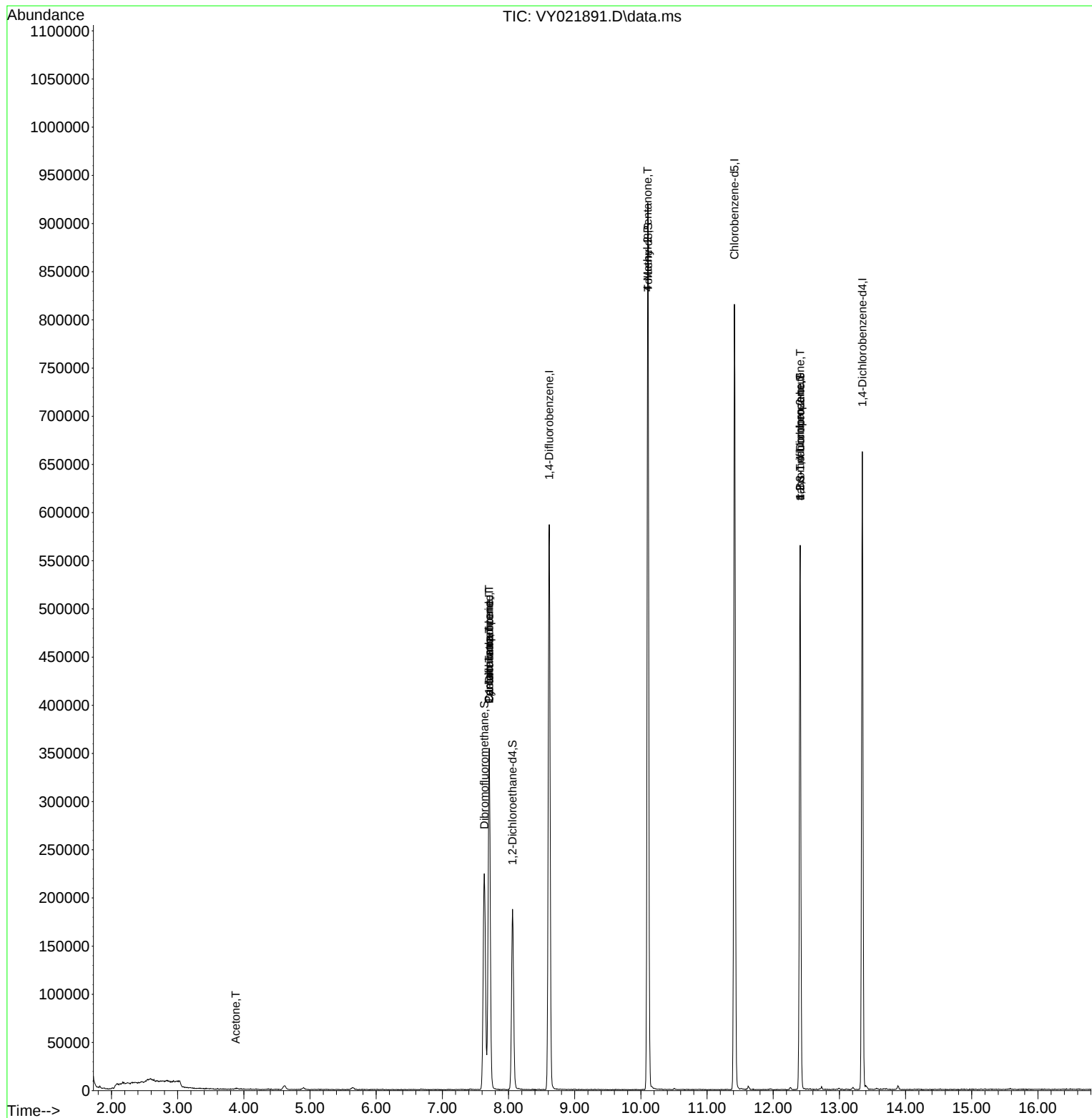
Internal Standards						
1) Pentafluorobenzene	7.707	168	265989	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	491907	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	422659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	160299	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148323	51.467	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.940%	
35) Dibromofluoromethane	7.634	113	161254	50.535	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.080%	
50) Toluene-d8	10.109	98	591746	48.747	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 97.500%	
62) 4-Bromofluorobenzene	12.408	95	168894	41.133	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.260%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	2030	3.442	ug/l	90
20) Methylene Chloride	4.616	84	2924	Below Cal	#	77
31) Cyclohexane	7.707	56	5872	1.154	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	21129	4.347	ug/l #	51
38) Carbon Tetrachloride	7.707	117	26241	4.714	ug/l #	17
51) 4-Methyl-2-Pentanone	10.103	43	2408	1.065	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	87676	55.178	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	87676	127.139	ug/l #	12

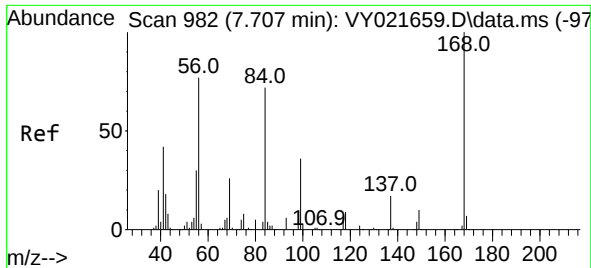
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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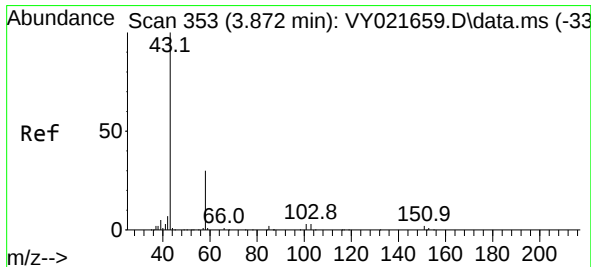
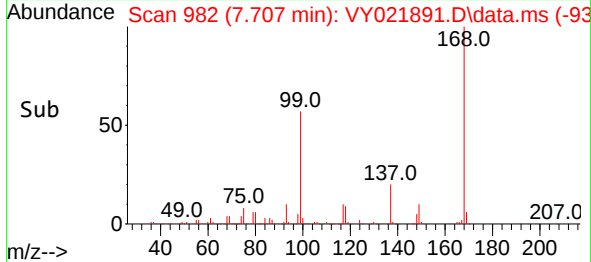
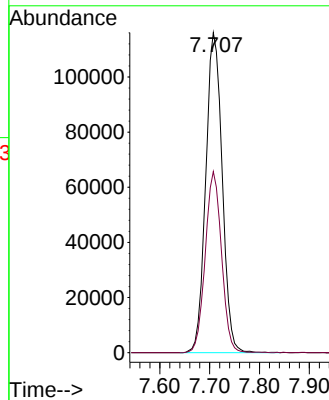
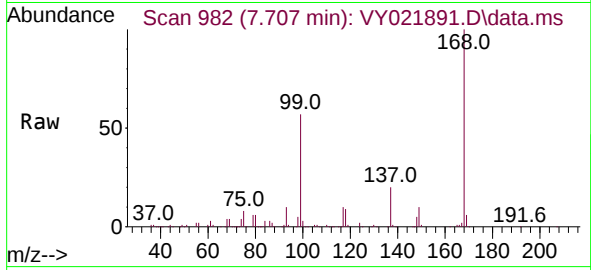




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

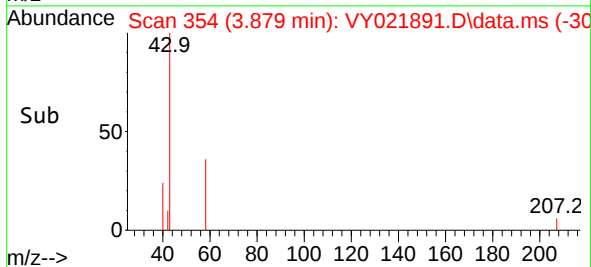
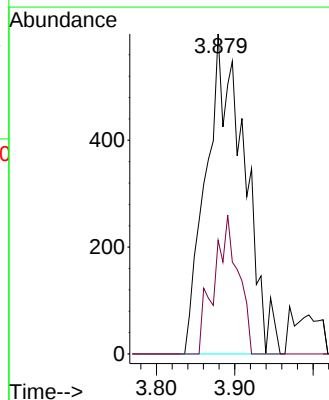
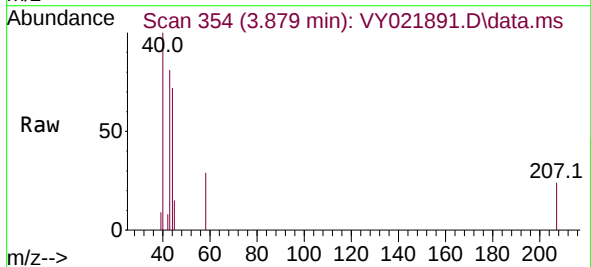
Instrument :
MSVOA_Y
ClientSampleId :
OILY-SOIL-PILE

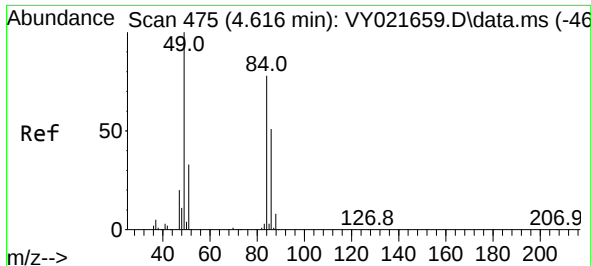
Tgt Ion:168 Resp: 265989
Ion Ratio Lower Upper
168 100
99 56.6 46.7 70.1



#16
Acetone
Concen: 3.442 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.006 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Tgt Ion: 43 Resp: 2030
Ion Ratio Lower Upper
43 100
58 35.6 24.2 36.4

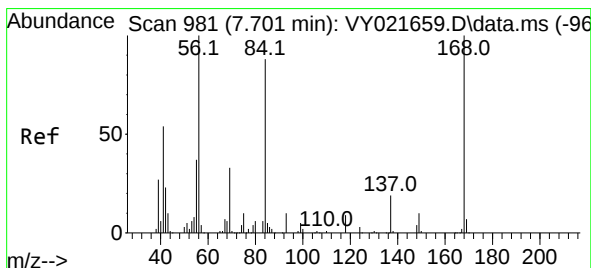
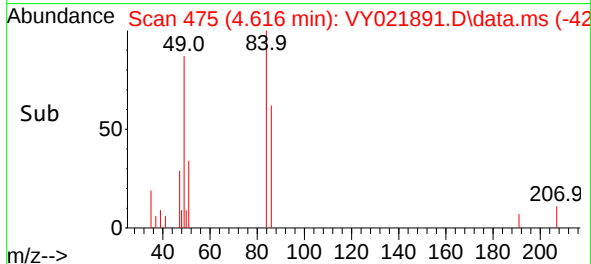
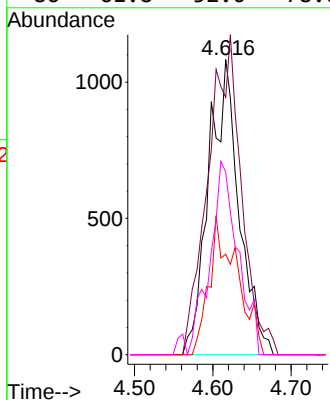
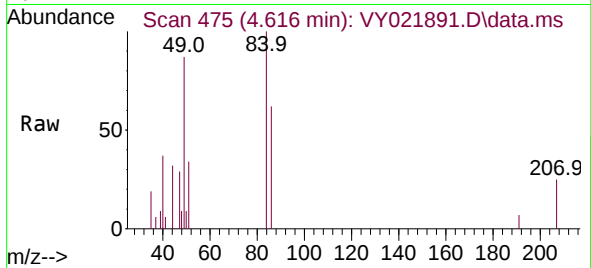




#20
Methylene Chloride
Concen: Below Cal
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

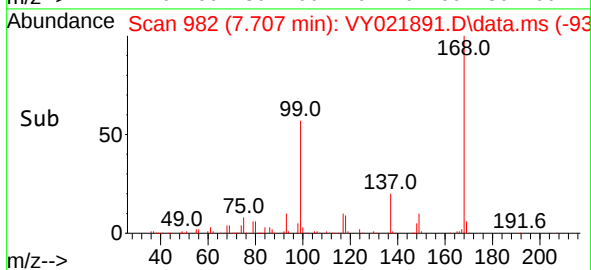
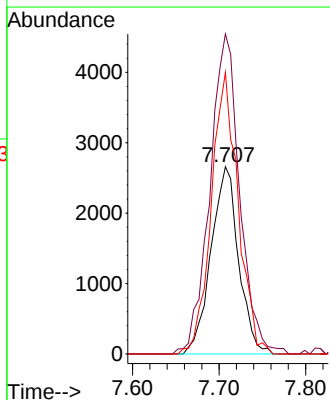
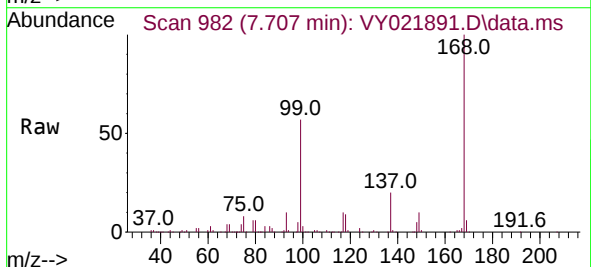
Instrument :
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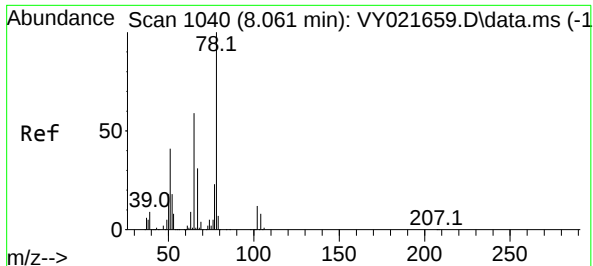
Tgt Ion:	84	Resp:	2924
Ion	Ratio	Lower	Upper
84	100		
49	87.2	102.8	154.2#
51	34.1	33.5	50.3
86	61.8	52.0	78.0



#31
Cyclohexane
Concen: 1.154 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Tgt Ion:	56	Resp:	5872
Ion	Ratio	Lower	Upper
56	100		
69	168.3	26.6	40.0#
84	150.4	69.0	103.4#





#33

1,2-Dichloroethane-d4

Concen: 51.467 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY021891.D

Acq: 15 Apr 2025 13:16

Instrument :

MSVOA_Y

ClientSampleId :

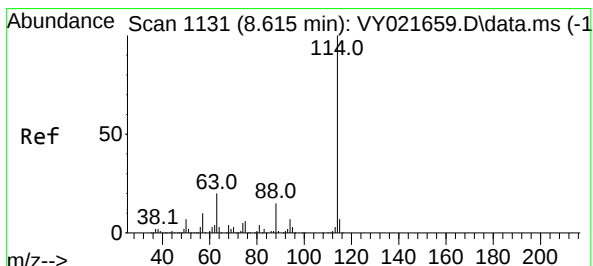
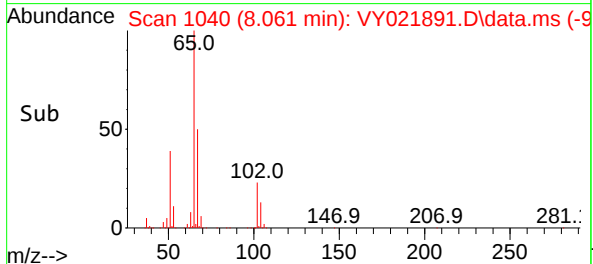
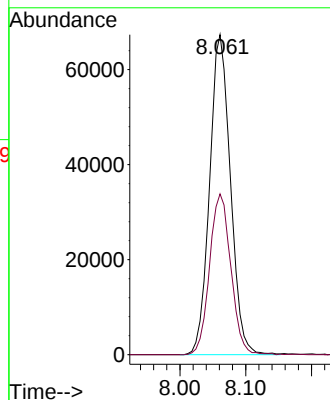
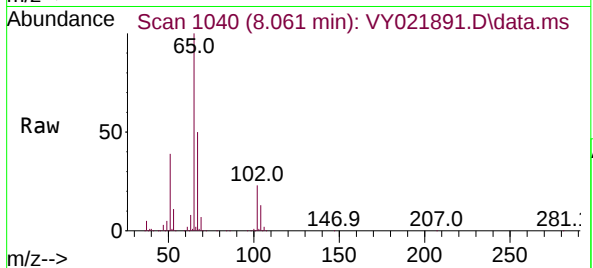
OILY-SOIL-PILE

Tgt Ion: 65 Resp: 148323

Ion Ratio Lower Upper

65 100

67 51.3 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021891.D

Acq: 15 Apr 2025 13:16

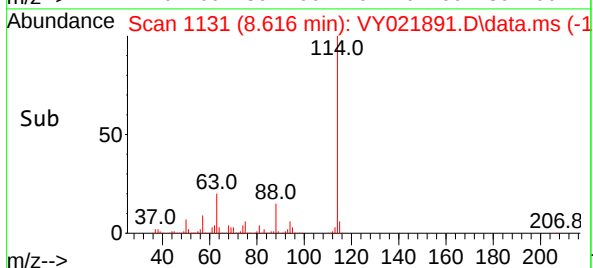
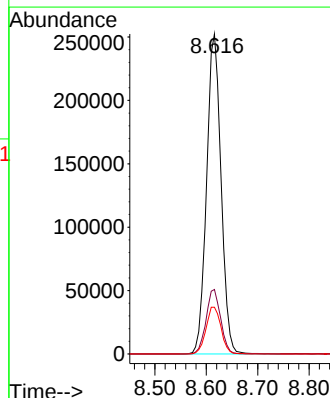
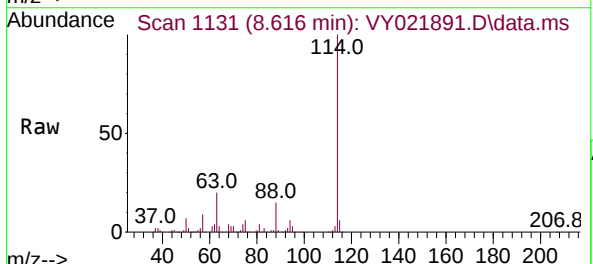
Tgt Ion: 114 Resp: 491907

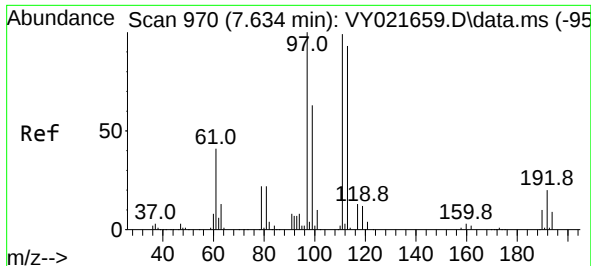
Ion Ratio Lower Upper

114 100

63 20.2 0.0 40.2

88 14.6 0.0 29.8

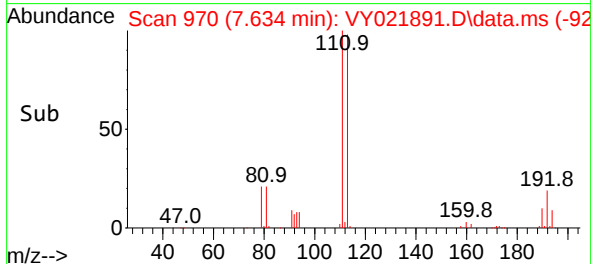
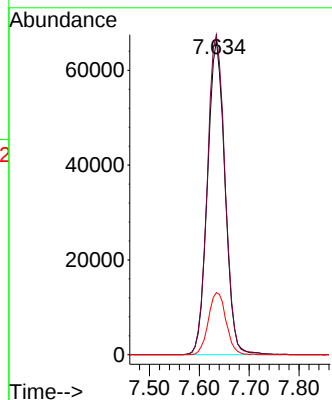
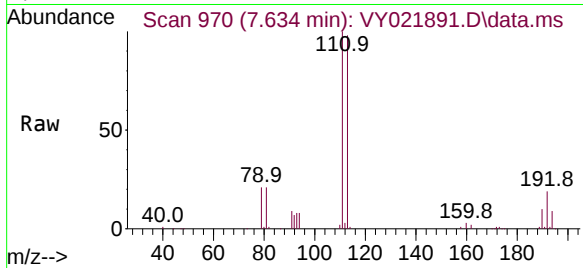




#35
Dibromofluoromethane
Concen: 50.535 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

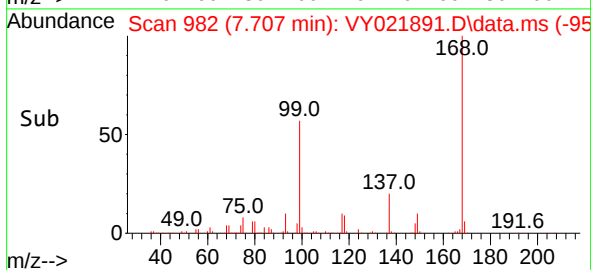
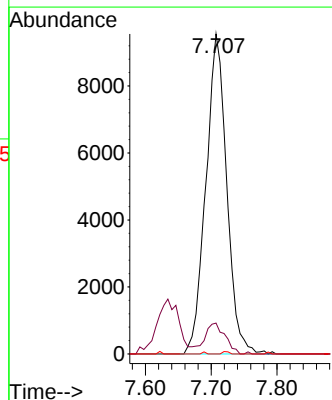
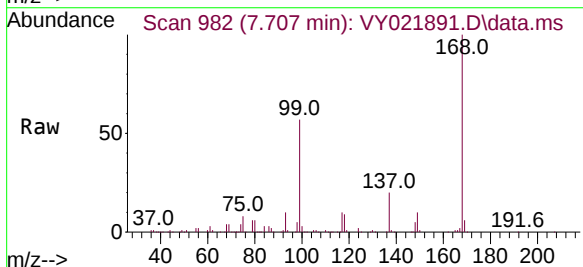
Instrument :
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ClientSampleId :
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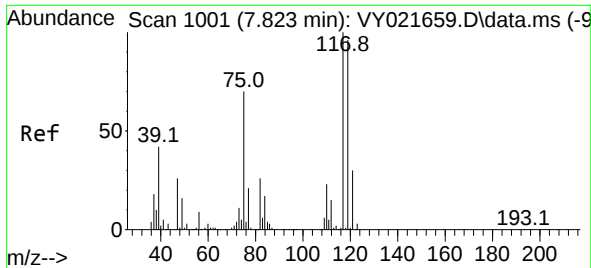
Tgt Ion:113 Resp: 161254
Ion Ratio Lower Upper
113 100
111 103.5 82.6 123.8
192 20.0 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.347 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Tgt Ion: 75 Resp: 21129
Ion Ratio Lower Upper
75 100
110 9.5 17.0 50.9#
77 0.2 24.8 37.2#

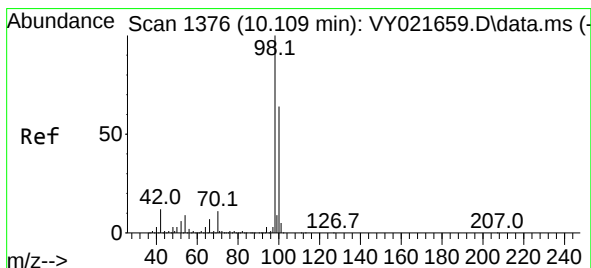
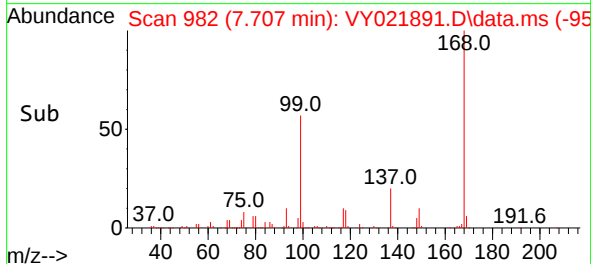
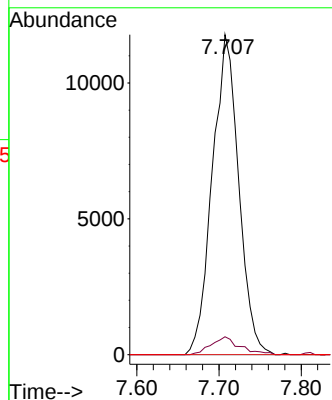
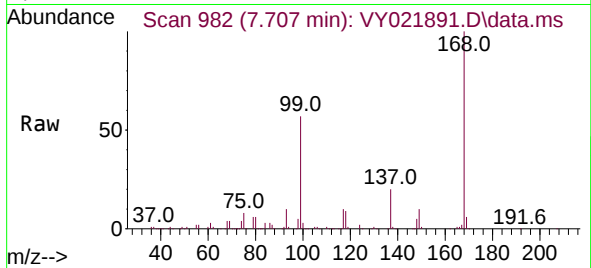




#38
Carbon Tetrachloride
Concen: 4.714 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.116 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

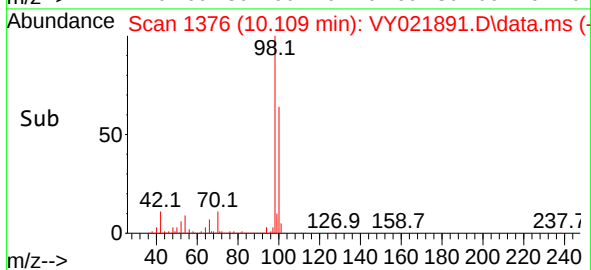
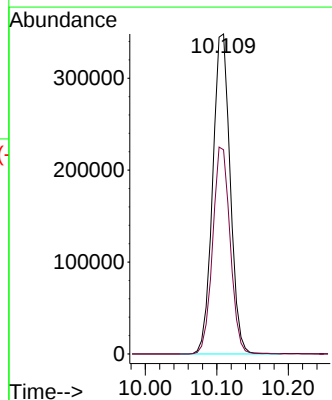
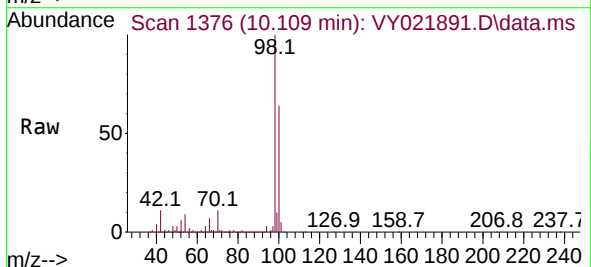
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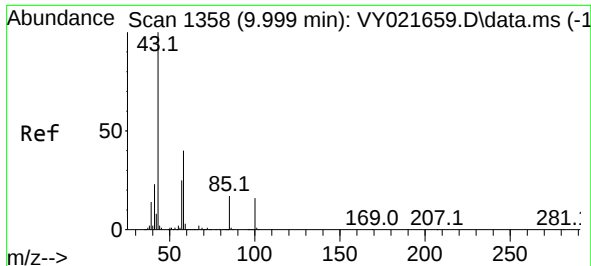
Tgt Ion:117 Resp: 26241
Ion Ratio Lower Upper
117 100
119 5.6 76.2 114.4#
121 0.0 24.2 36.4#



#50
Toluene-d8
Concen: 48.747 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.000 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Tgt Ion: 98 Resp: 591746
Ion Ratio Lower Upper
98 100
100 64.5 52.1 78.1

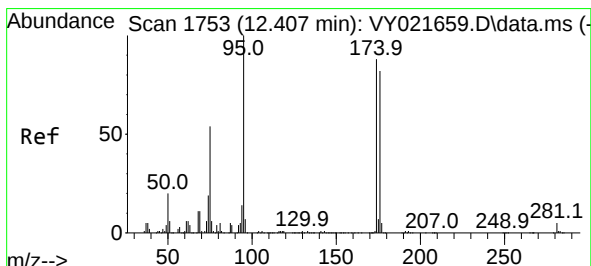
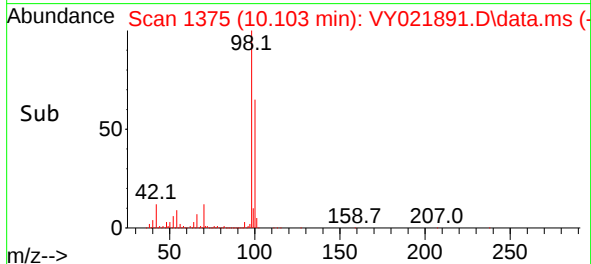
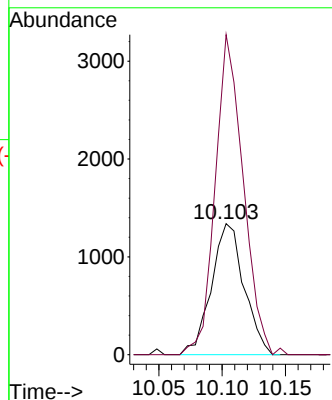
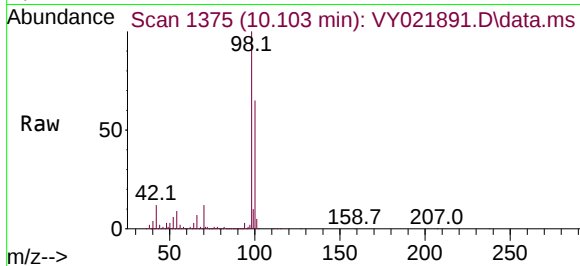




#51
4-Methyl-2-Pentanone
Concen: 1.065 ug/l
RT: 10.103 min Scan# 1358
Delta R.T. 0.104 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

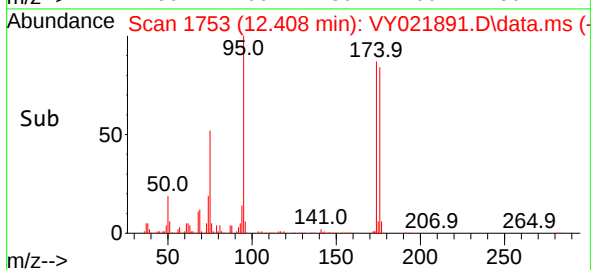
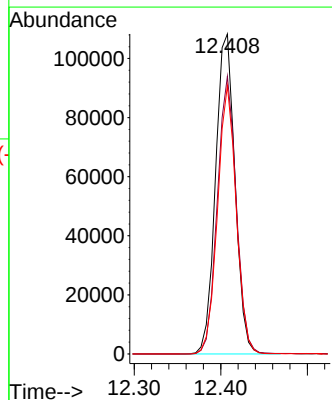
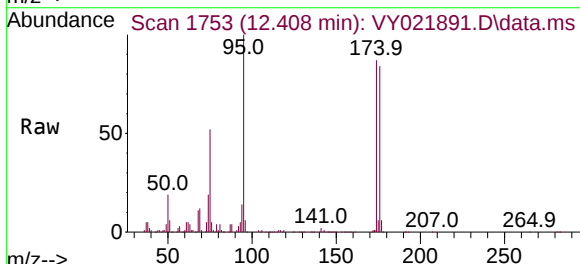
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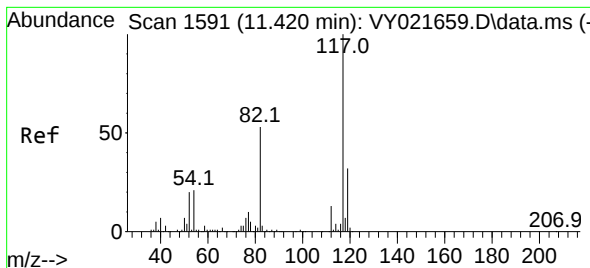
Tgt Ion: 43 Resp: 2408
Ion Ratio Lower Upper
43 100
58 209.5 31.5 47.3#



#62
4-Bromofluorobenzene
Concen: 41.133 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Tgt Ion: 95 Resp: 168894
Ion Ratio Lower Upper
95 100
174 84.6 0.0 170.8
176 80.4 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021891.D

Acq: 15 Apr 2025 13:16

Instrument :

MSVOA_Y

ClientSampleId :

OILY-SOIL-PILE

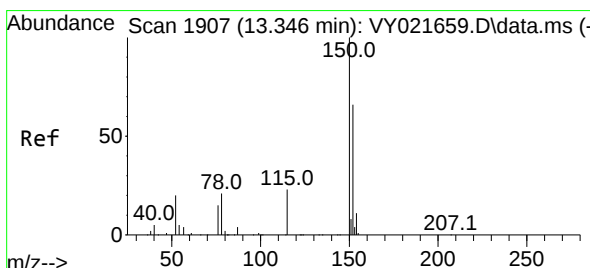
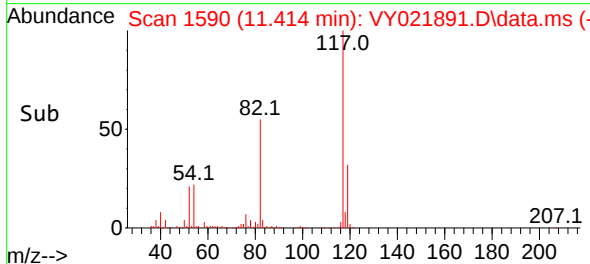
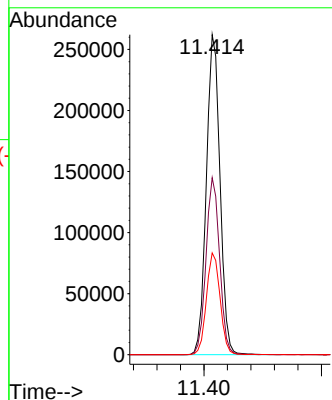
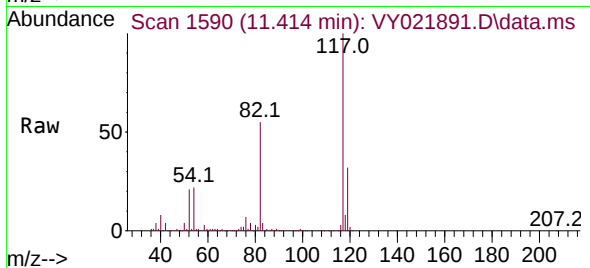
Tgt Ion:117 Resp: 422659

Ion Ratio Lower Upper

117 100

82 55.3 42.8 64.2

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021891.D

Acq: 15 Apr 2025 13:16

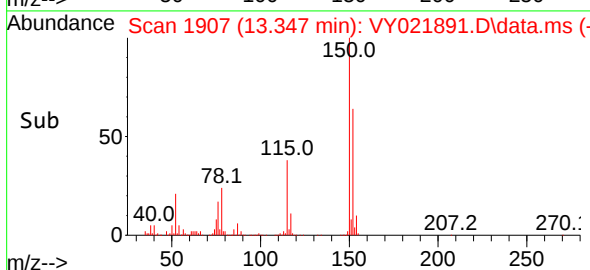
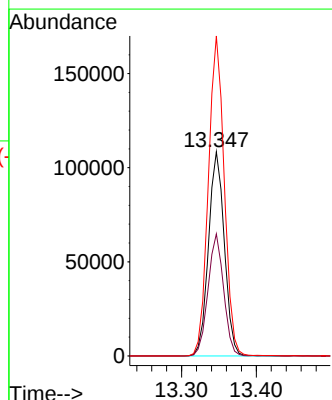
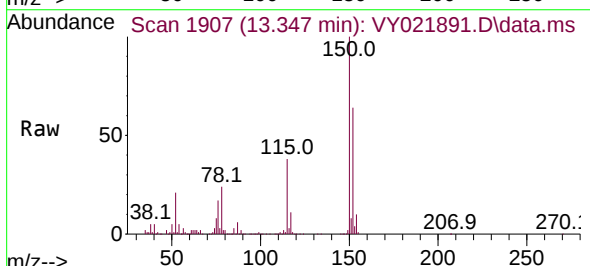
Tgt Ion:152 Resp: 160299

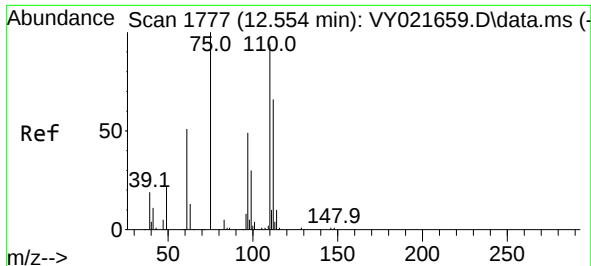
Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 156.8 0.0 348.4

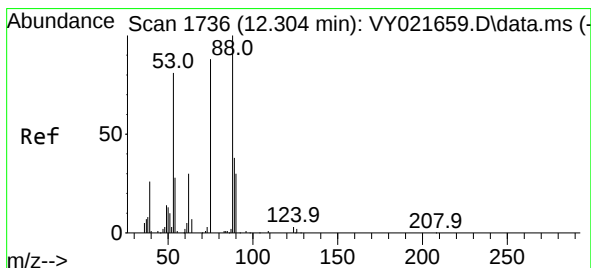
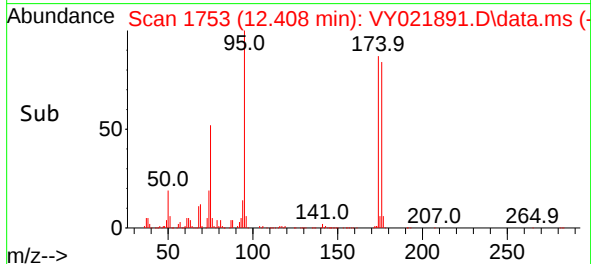
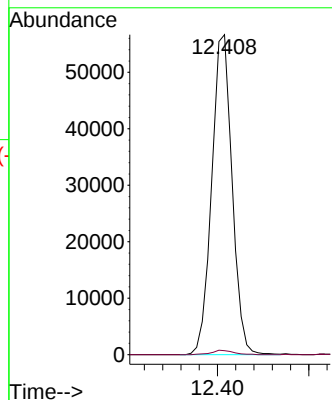
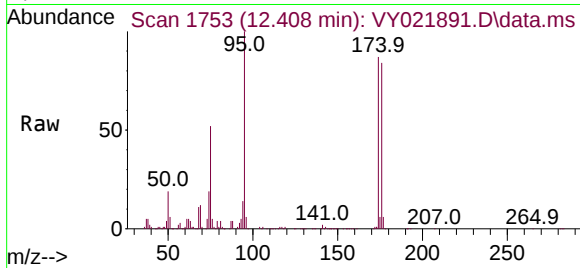




#76
1,2,3-Trichloropropane
Concen: 55.178 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Instrument :
MSVOA_Y
ClientSampleId :
OILY-SOIL-PILE

Tgt Ion: 75 Resp: 87676
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 127.139 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.104 min
Lab File: VY021891.D
Acq: 15 Apr 2025 13:16

Tgt Ion: 75 Resp: 87676
Ion Ratio Lower Upper
75 100
53 0.3 76.1 114.1#
89 0.0 36.2 54.4#

