

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY022625\
 Data File : VY021335.D
 Acq On : 26 Feb 2025 16:37
 Operator : SY/MD
 Sample : Q1415-02
 Misc : 6.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB01

Quant Time: Feb 27 00:39:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022525S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 26 02:09:13 2025
 Response via : Initial Calibration

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

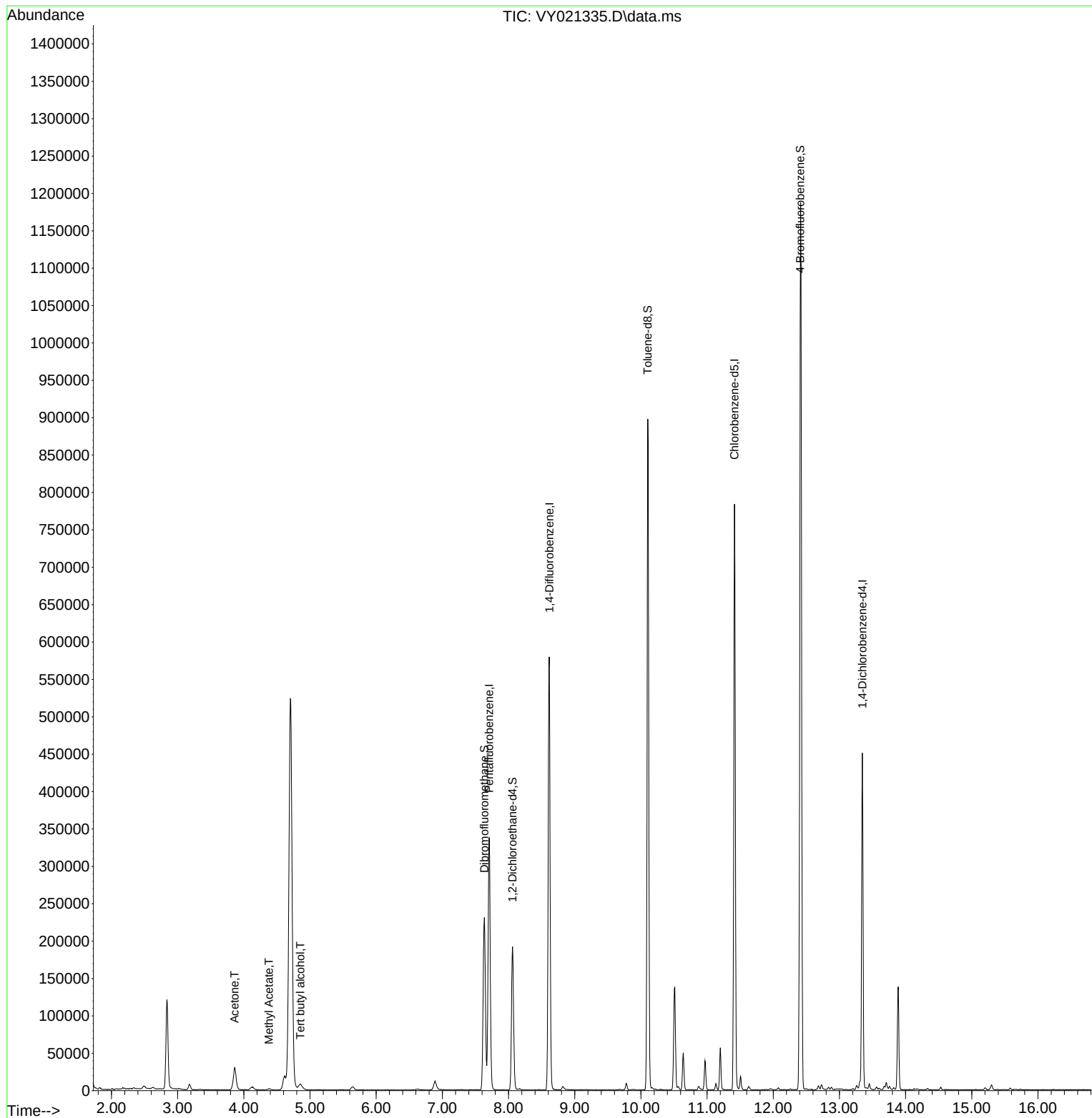
Internal Standards						
1) Pentafluorobenzene	7.707	168	249275	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	482876	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	393781	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	105850	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151894	53.714	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.420%	
35) Dibromofluoromethane	7.634	113	161939	51.153	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.300%	
50) Toluene-d8	10.103	98	564176	46.112	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 92.220%	
62) 4-Bromofluorobenzene	12.408	95	145923	35.439	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 70.880%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.854	59	14036	64.530	ug/l	100
16) Acetone	3.860	43	40345	74.377	ug/l	94
18) Methyl Acetate	4.379	43	3594	2.711	ug/l	94

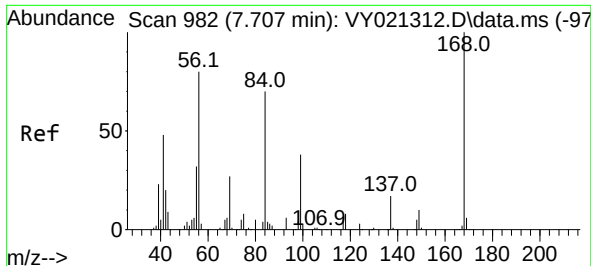
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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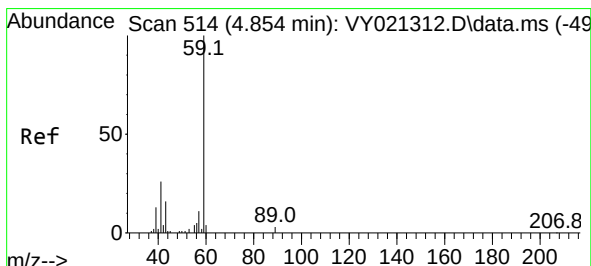
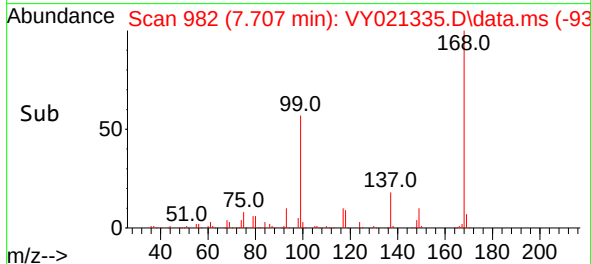
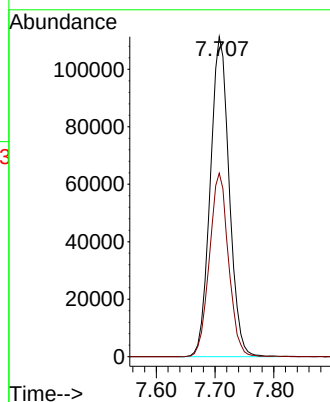
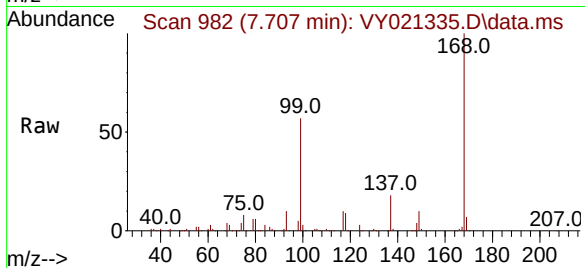




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

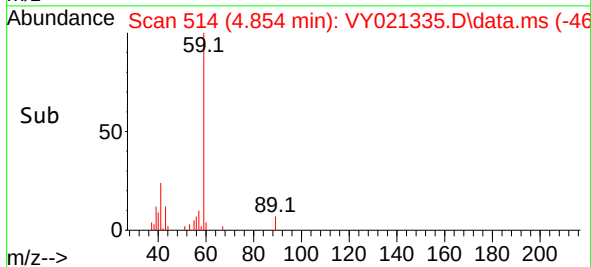
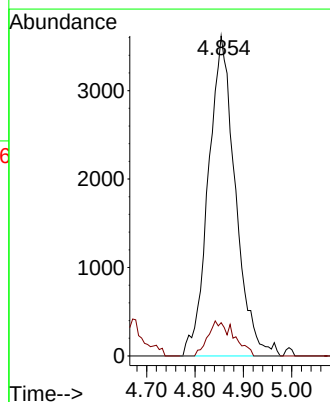
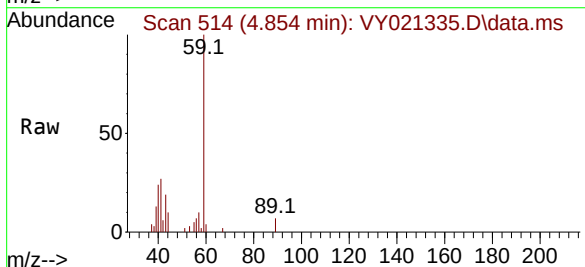
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

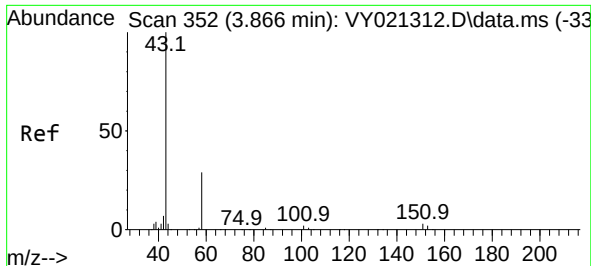
Tgt Ion:168 Resp: 249275
Ion Ratio Lower Upper
168 100
99 57.4 47.1 70.7



#11
Tert butyl alcohol
Concen: 64.530 ug/l
RT: 4.854 min Scan# 514
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 59 Resp: 14036
Ion Ratio Lower Upper
59 100
57 10.5 8.3 12.5

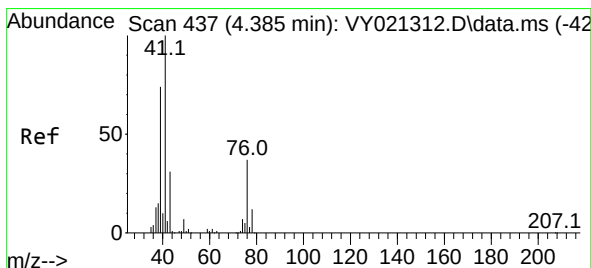
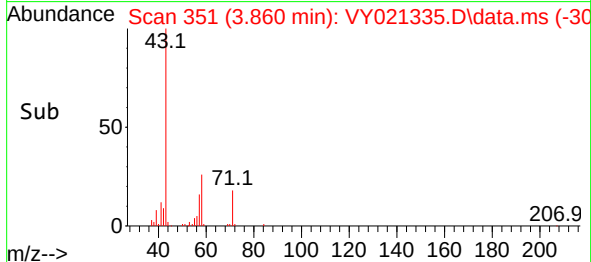
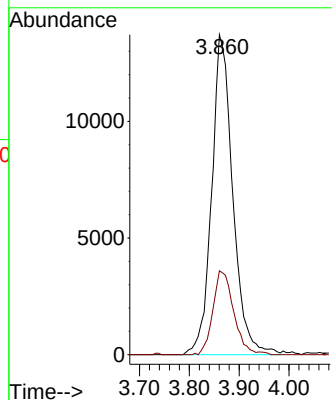
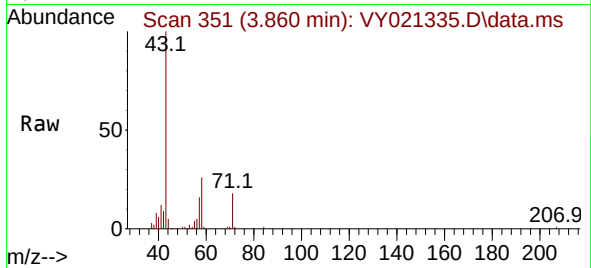




#16
Acetone
Concen: 74.377 ug/l
RT: 3.860 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

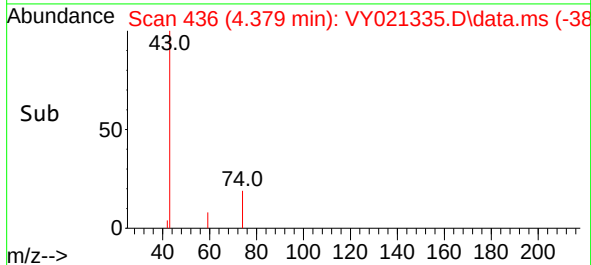
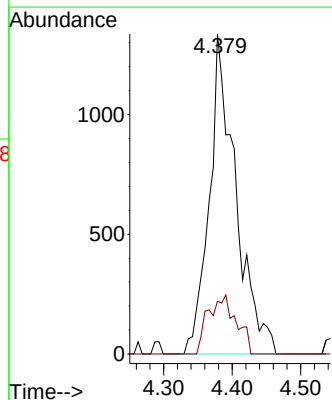
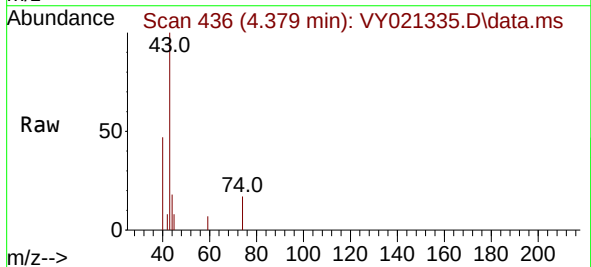
Instrument :
MSVOA_Y
ClientSampleId :
B-172-SB01

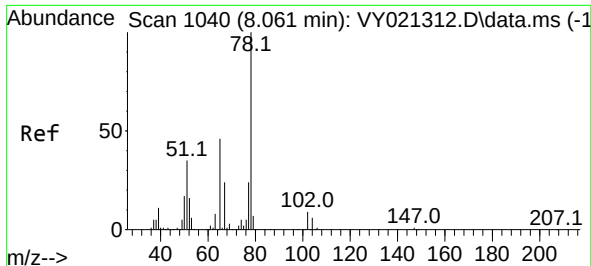
Tgt Ion: 43 Resp: 40345
Ion Ratio Lower Upper
43 100
58 26.2 23.5 35.3



#18
Methyl Acetate
Concen: 2.711 ug/l
RT: 4.379 min Scan# 436
Delta R.T. -0.006 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 43 Resp: 3594
Ion Ratio Lower Upper
43 100
74 19.4 17.7 26.5

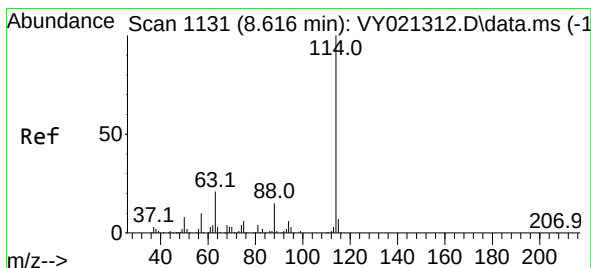
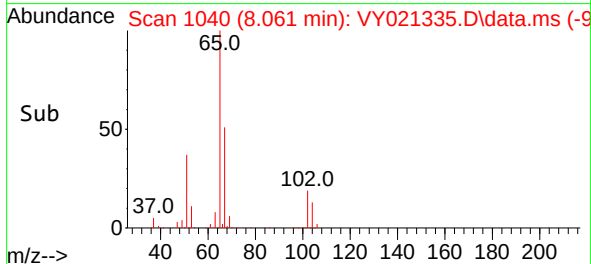
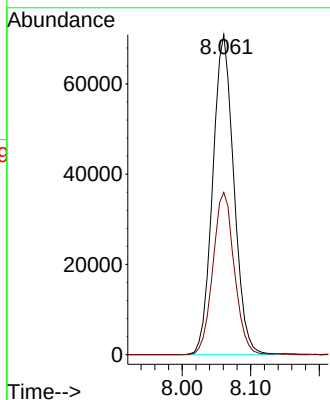
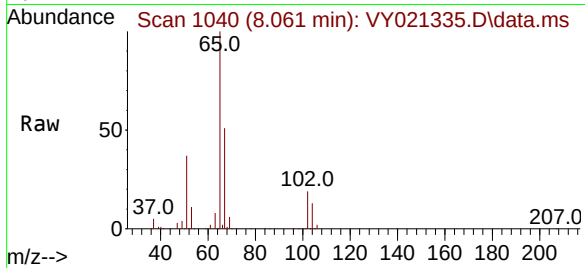




#33
 1,2-Dichloroethane-d4
 Concen: 53.714 ug/l
 RT: 8.061 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: VY021335.D
 Acq: 26 Feb 2025 16:37

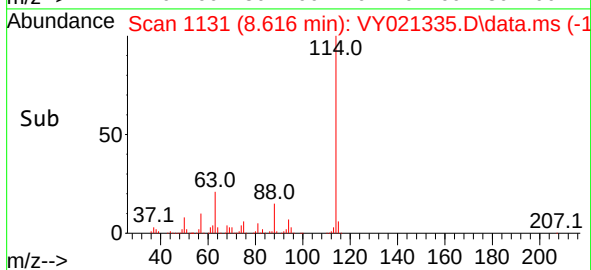
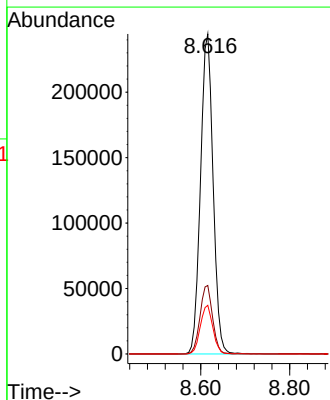
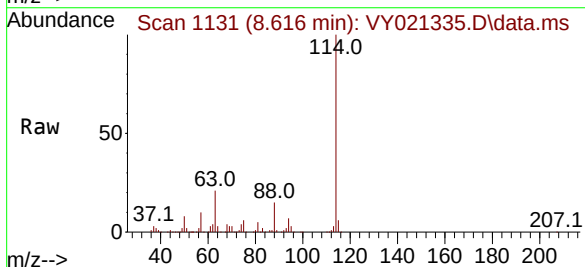
Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB01

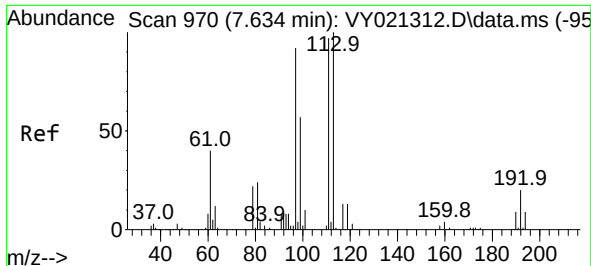
Tgt Ion: 65 Resp: 151894
 Ion Ratio Lower Upper
 65 100
 67 51.5 0.0 103.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.616 min Scan# 1131
 Delta R.T. 0.000 min
 Lab File: VY021335.D
 Acq: 26 Feb 2025 16:37

Tgt Ion: 114 Resp: 482876
 Ion Ratio Lower Upper
 114 100
 63 21.4 0.0 42.2
 88 15.2 0.0 29.8

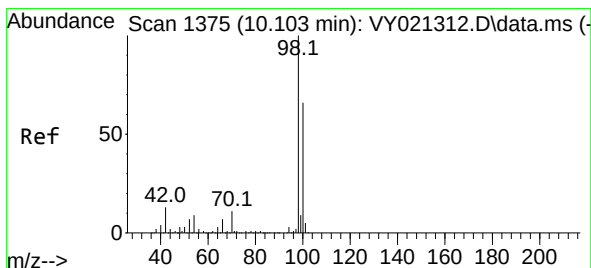
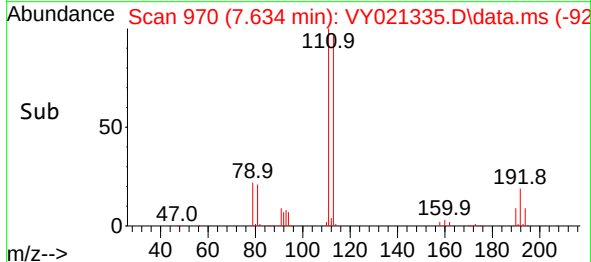
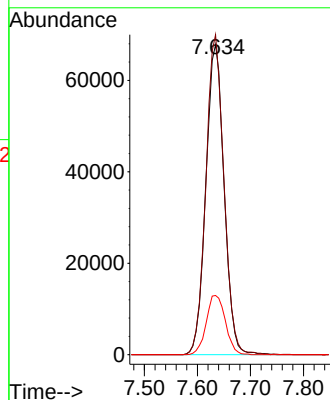
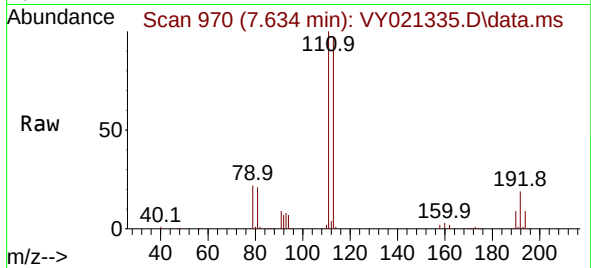




#35
Dibromofluoromethane
Concen: 51.153 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

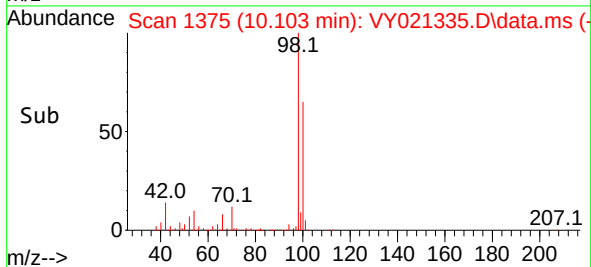
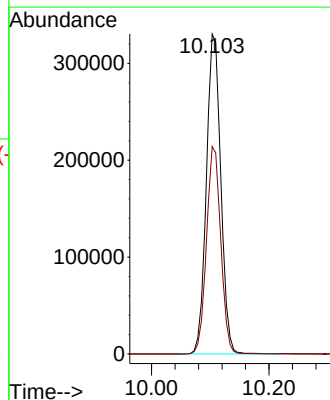
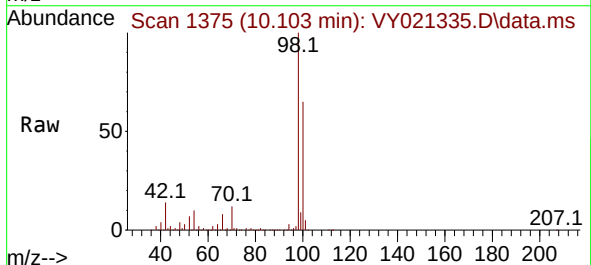
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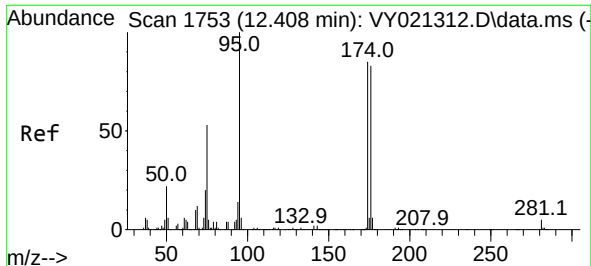
Tgt Ion:113 Resp: 161939
Ion Ratio Lower Upper
113 100
111 102.2 81.0 121.6
192 20.1 15.8 23.8



#50
Toluene-d8
Concen: 46.112 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

Tgt Ion: 98 Resp: 564176
Ion Ratio Lower Upper
98 100
100 64.2 52.4 78.6

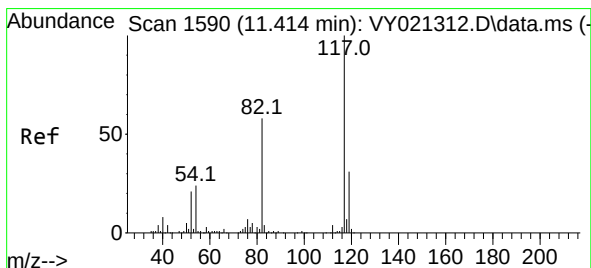
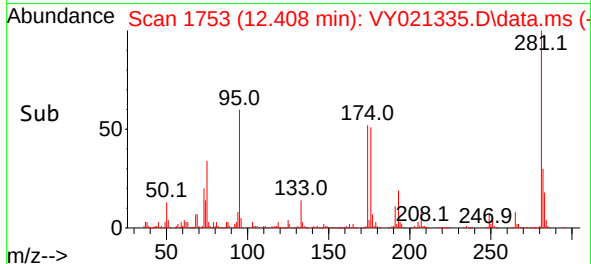
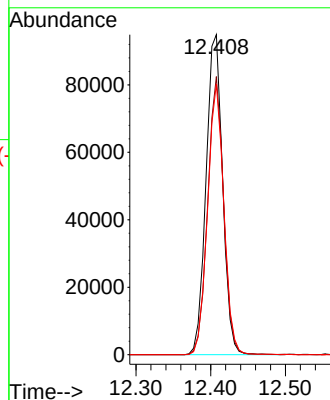
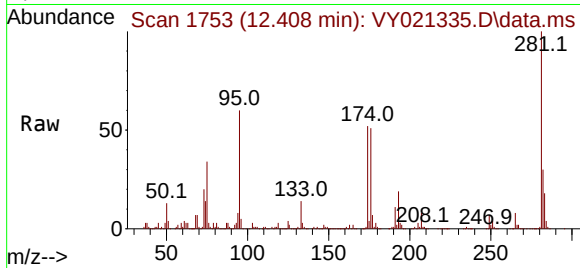




#62
4-Bromofluorobenzene
Concen: 35.439 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

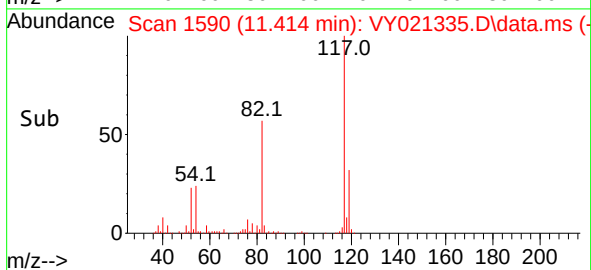
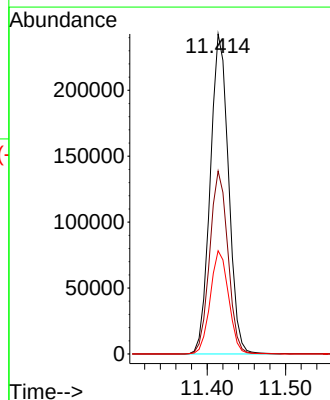
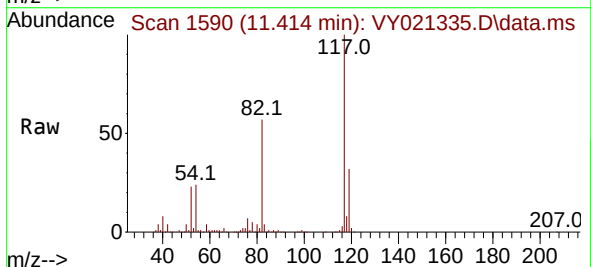
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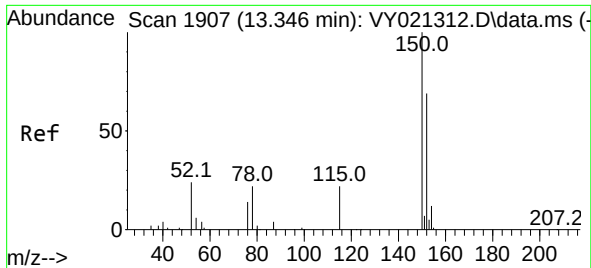
Tgt Ion: 95 Resp: 145923
Ion Ratio Lower Upper
95 100
174 83.9 0.0 168.0
176 83.0 0.0 162.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.000 min
Lab File: VY021335.D
Acq: 26 Feb 2025 16:37

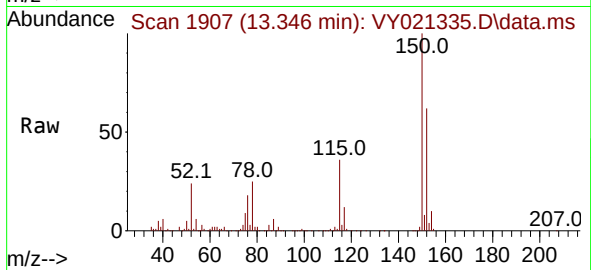
Tgt Ion: 117 Resp: 393781
Ion Ratio Lower Upper
117 100
82 57.1 46.2 69.4
119 32.3 24.9 37.3





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY021335.D
 Acq: 26 Feb 2025 16:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 B-172-SB01



Tgt Ion:	152	Resp:	105850
Ion Ratio	Lower	Upper	
152	100		
115	57.9	29.3	88.0
150	159.3	0.0	347.4

