

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023979.D
 Acq On : 15 Dec 2025 16:18
 Operator : SY/MD
 Sample : Q3871-06
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 LAW-25-0192-0193-COMP

Quant Time: Dec 16 02:17:23 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y121025S.M
 Quant Title : SW846 8260
 QLast Update : Thu Dec 11 03:57:51 2025
 Response via : Initial Calibration

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

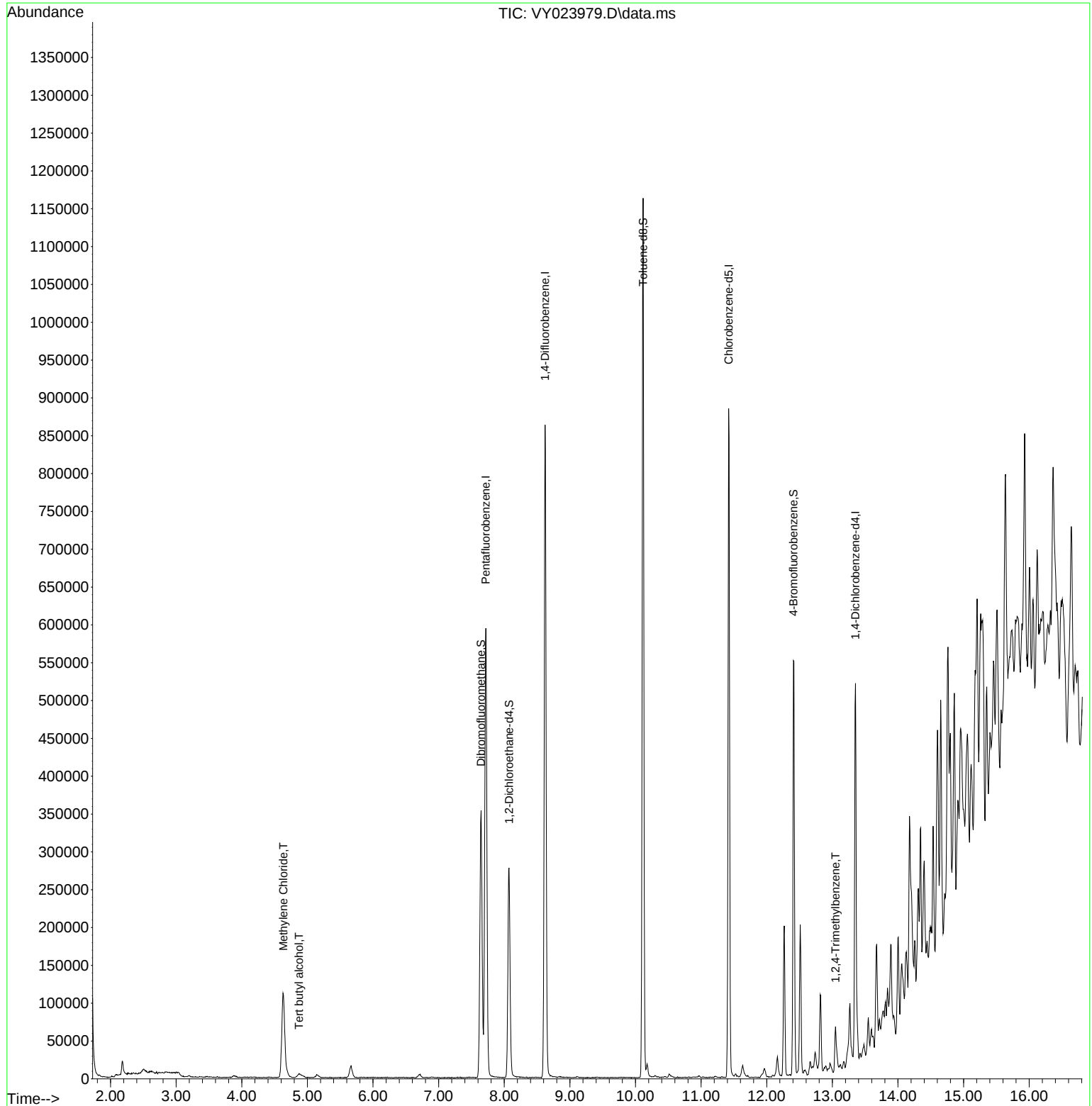
Internal Standards						
1) Pentafluorobenzene	7.719	168	504532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	784860	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	500631	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	136843	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	223139	50.022	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 100.040%	
35) Dibromofluoromethane	7.646	113	254020	49.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.020%	
50) Toluene-d8	10.115	98	782112	40.945	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 81.880%	
62) 4-Bromofluorobenzene	12.408	95	164876	25.846	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 51.700%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	4.872	59	8921	34.536	ug/l	97
20) Methylene Chloride	4.635	84	90915	17.324	ug/l	90
84) 1,2,4-Trimethylbenzene	13.048	105	30270	3.830	ug/l	98

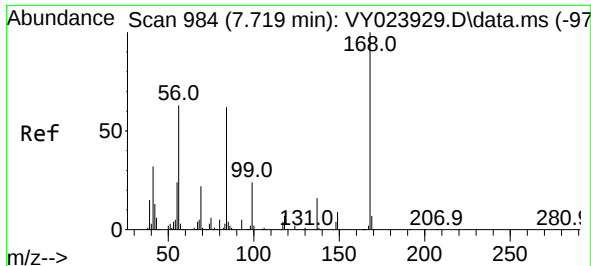
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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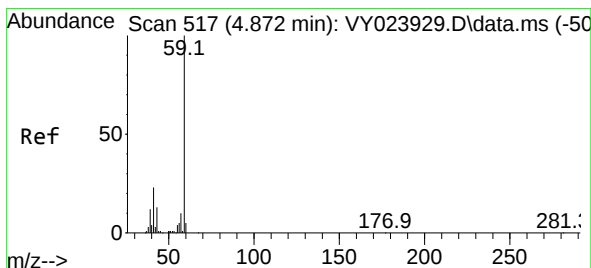
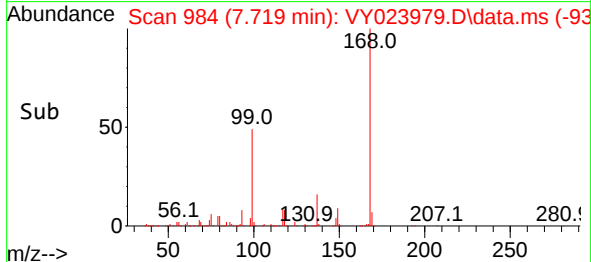
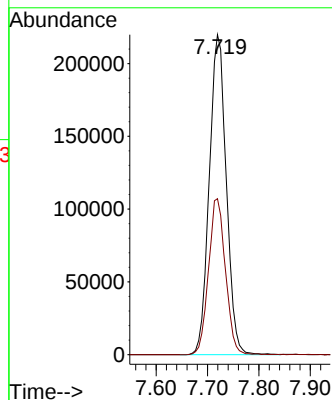
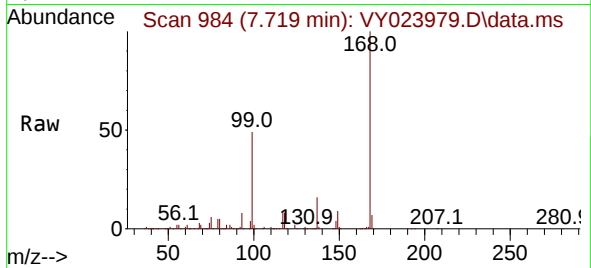




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

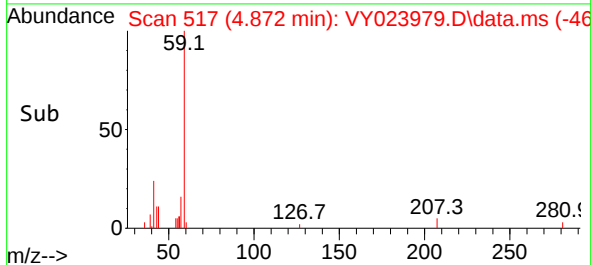
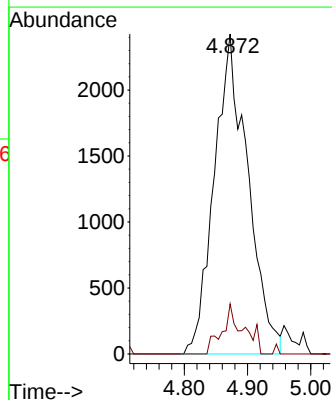
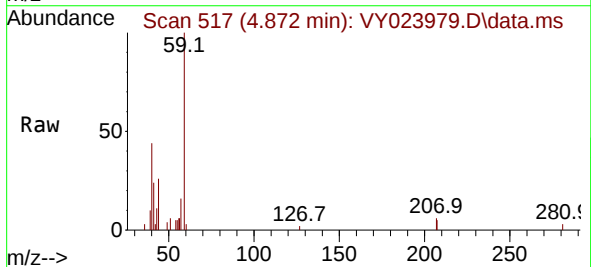
Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0192-0193-COMP

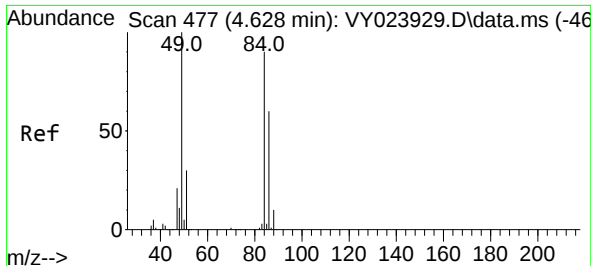
Tgt Ion:168 Resp: 504532
Ion Ratio Lower Upper
168 100
99 48.7 38.9 58.3



#11
Tert butyl alcohol
Concen: 34.536 ug/l
RT: 4.872 min Scan# 517
Delta R.T. -0.000 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

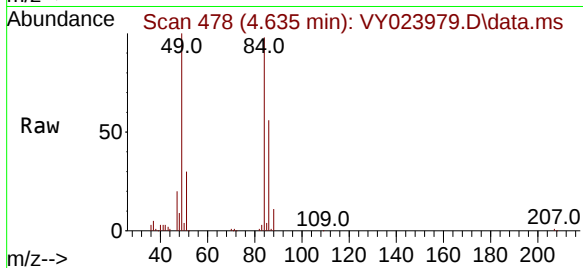
Tgt Ion: 59 Resp: 8921
Ion Ratio Lower Upper
59 100
57 9.8 8.7 13.1



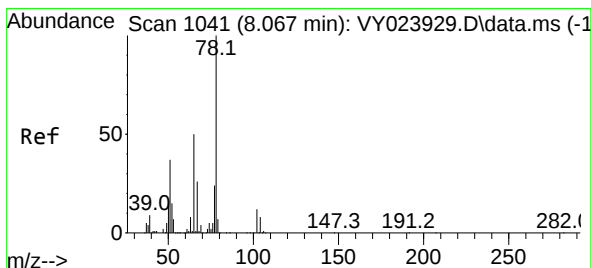
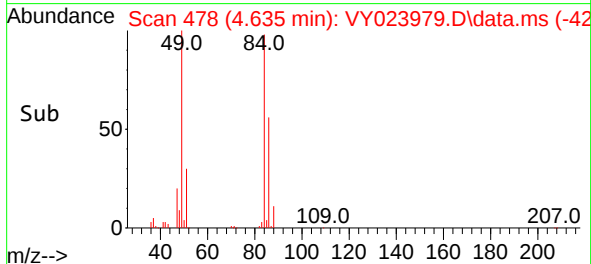
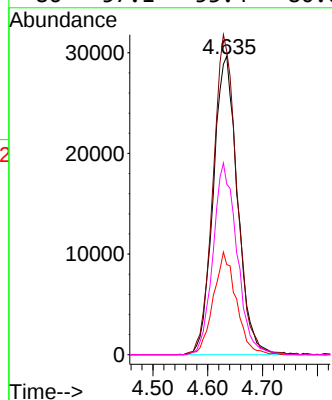


#20
Methylene Chloride
Concen: 17.324 ug/l
RT: 4.635 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

Instrument :
MSVOA_Y
ClientSampleId :
LAW-25-0192-0193-COMP

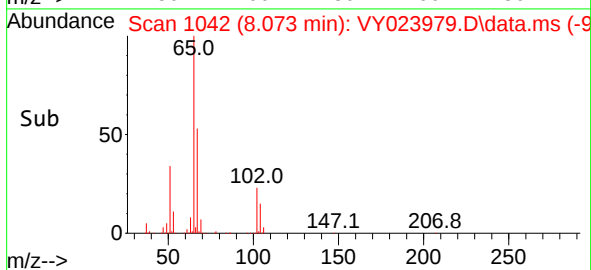
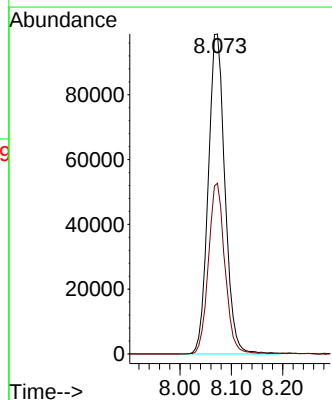
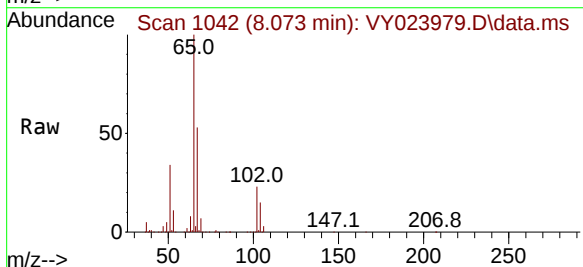


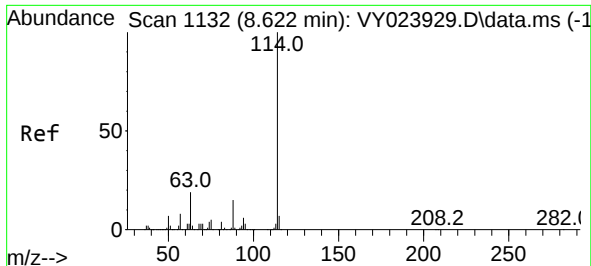
Tgt Ion:	84	Resp:	90915
Ion	Ratio	Lower	Upper
84	100		
49	101.5	89.1	133.7
51	30.2	26.6	39.8
86	57.1	53.4	80.0



#33
1,2-Dichloroethane-d4
Concen: 50.022 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

Tgt Ion:	65	Resp:	223139
Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	106.2

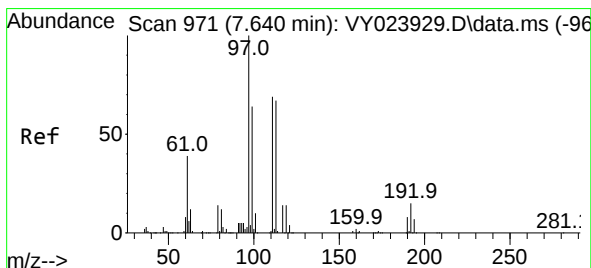
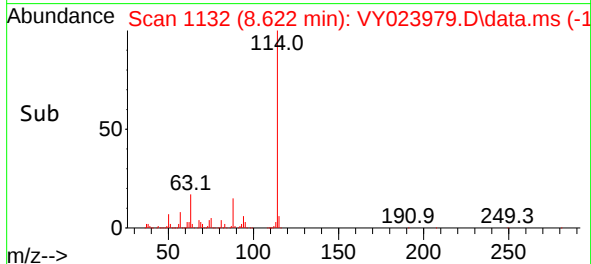
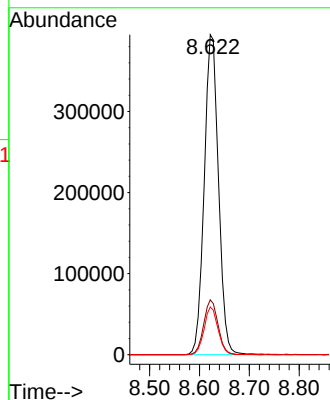
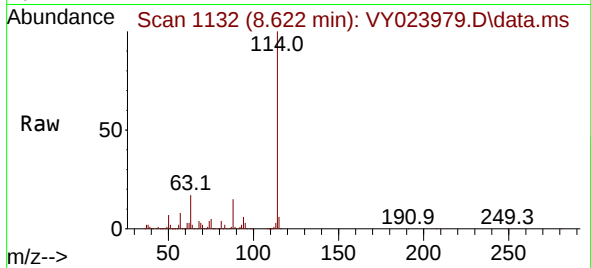




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

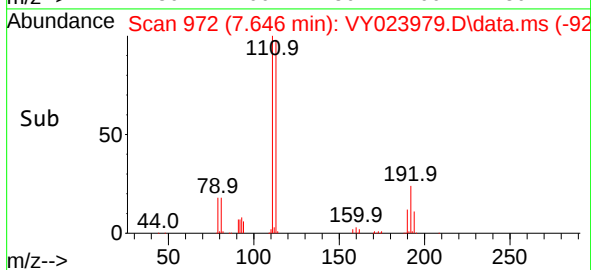
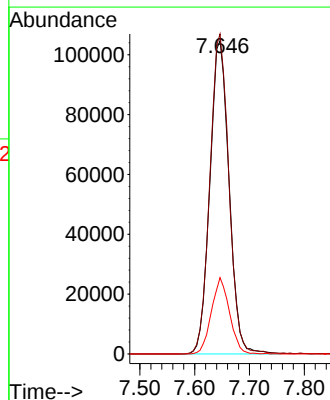
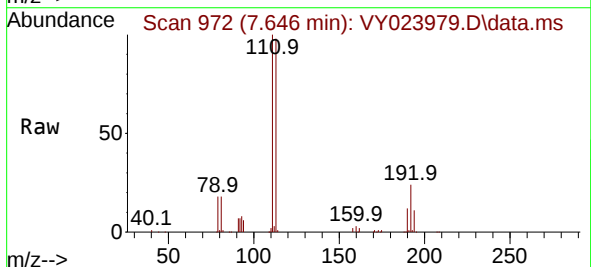
Instrument :
MSVOA_Y
ClientSampleId :
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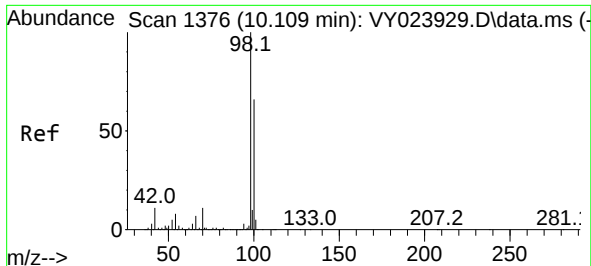
Tgt Ion:114 Resp: 784860
Ion Ratio Lower Upper
114 100
63 17.1 0.0 37.2
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.512 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

Tgt Ion:113 Resp: 254020
Ion Ratio Lower Upper
113 100
111 101.5 82.4 123.6
192 23.0 17.9 26.9

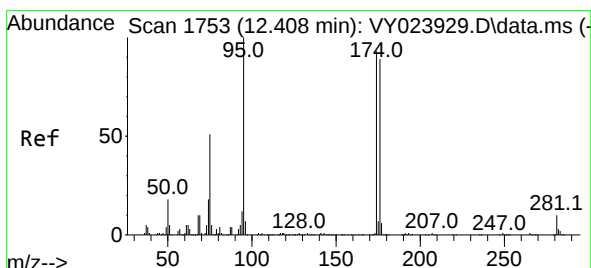
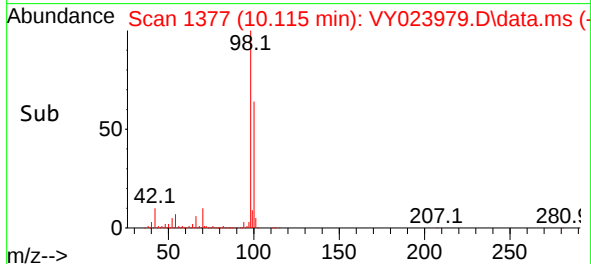
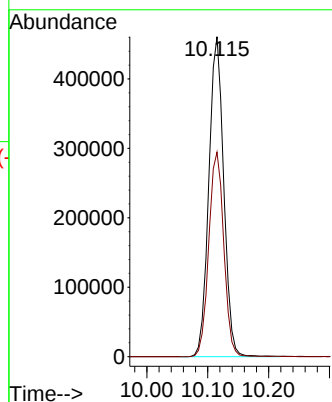
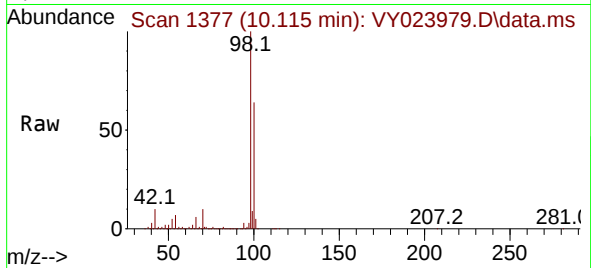




#50
Toluene-d8
Concen: 40.945 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

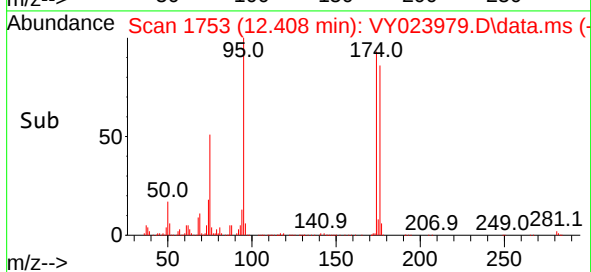
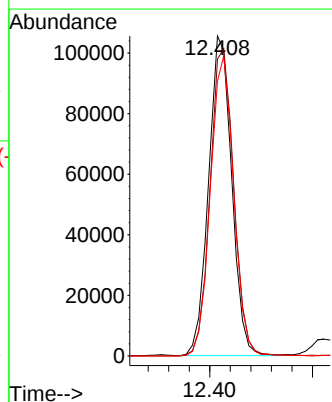
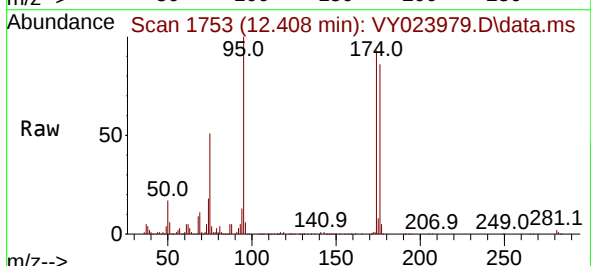
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ClientSampleId :
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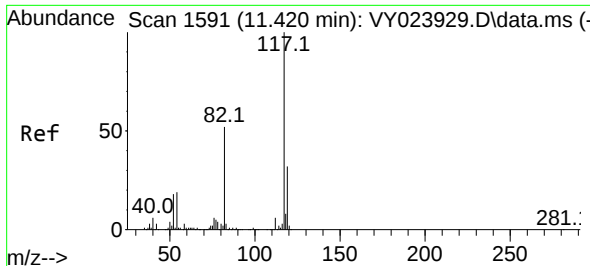
Tgt Ion: 98 Resp: 782112
Ion Ratio Lower Upper
98 100
100 64.4 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 25.846 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

Tgt Ion: 95 Resp: 164876
Ion Ratio Lower Upper
95 100
174 98.5 0.0 187.4
176 94.2 0.0 179.6

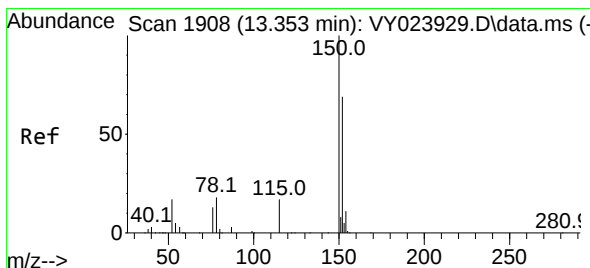
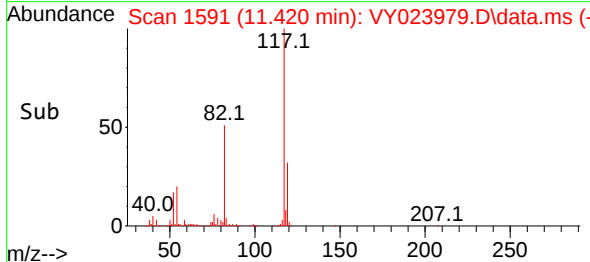
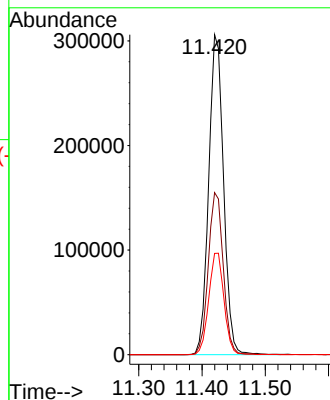
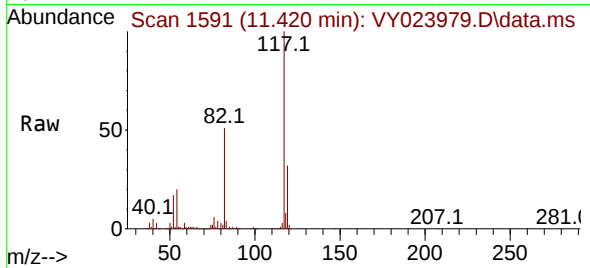




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

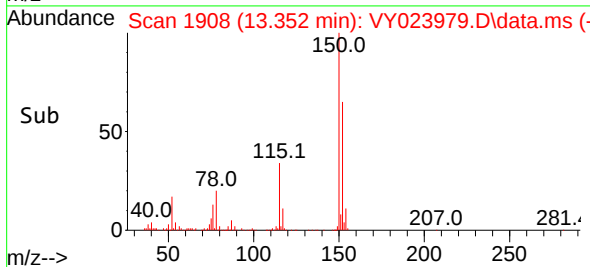
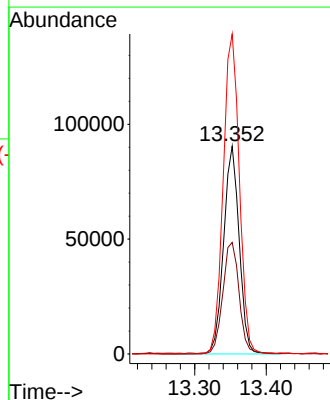
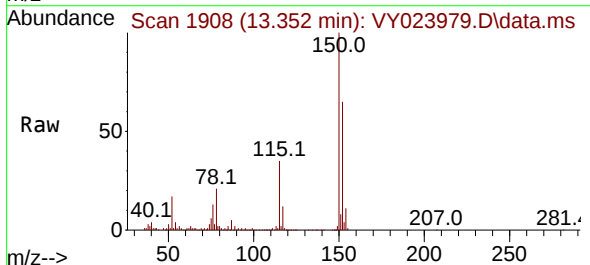
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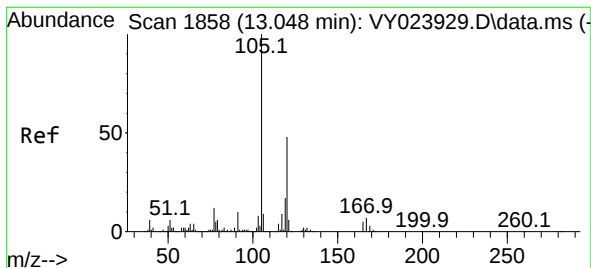
Tgt Ion:117 Resp: 500631
Ion Ratio Lower Upper
117 100
82 50.6 41.4 62.2
119 31.6 25.5 38.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY023979.D
Acq: 15 Dec 2025 16:18

Tgt Ion:152 Resp: 136843
Ion Ratio Lower Upper
152 100
115 56.0 27.3 81.9
150 159.2 0.0 347.6





#84

1,2,4-Trimethylbenzene

Concen: 3.830 ug/l

RT: 13.048 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023979.D

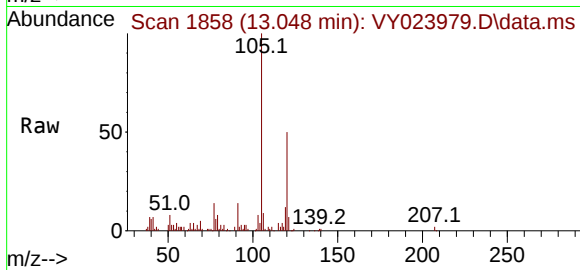
Acq: 15 Dec 2025 16:18

Instrument :

MSVOA_Y

ClientSampleId :

LAW-25-0192-0193-COMP



Tgt Ion:105 Resp: 30270

Ion Ratio Lower Upper

105 100

120 48.3 23.4 70.3

