

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY121525\
 Data File : VY023975.D
 Acq On : 15 Dec 2025 14:37
 Operator : SY/MD
 Sample : Q3872-02
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0006

Quant Time: Dec 16 02:15:45 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)

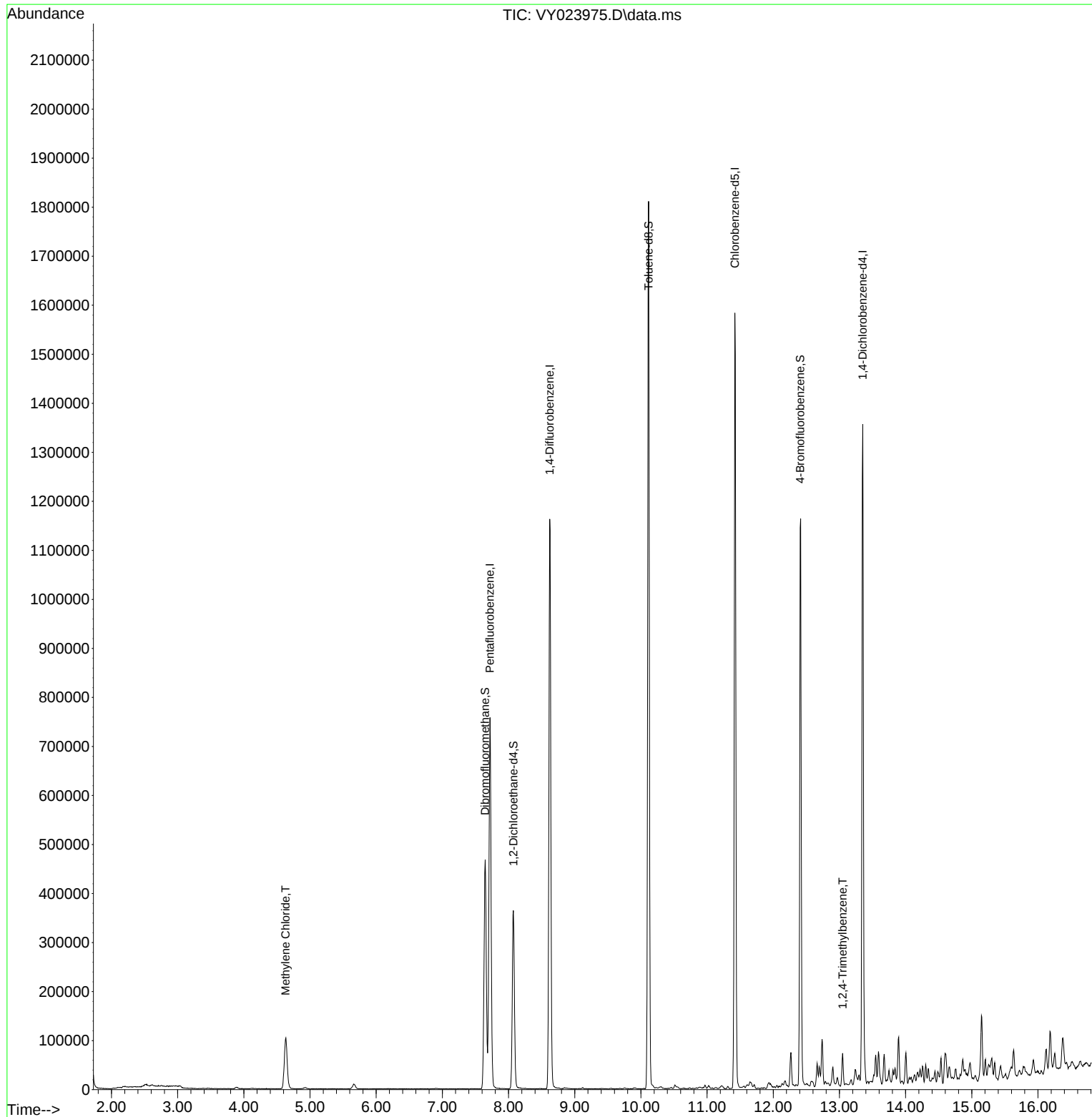
Internal Standards						
1) Pentafluorobenzene	7.719	168	629391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	1066179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	898459	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	366577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	281186	50.530	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.060%
35) Dibromofluoromethane	7.646	113	334759	48.032	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.060%
50) Toluene-d8	10.115	98	1201376	46.299	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	92.600%
62) 4-Bromofluorobenzene	12.407	95	351479	40.560	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.120%
Target Compounds						
						Qvalue
20) Methylene Chloride	4.628	84	83599	12.770	ug/l	92
84) 1,2,4-Trimethylbenzene	13.048	105	34164	1.614	ug/l	99

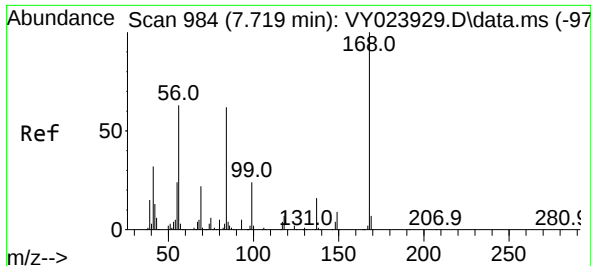
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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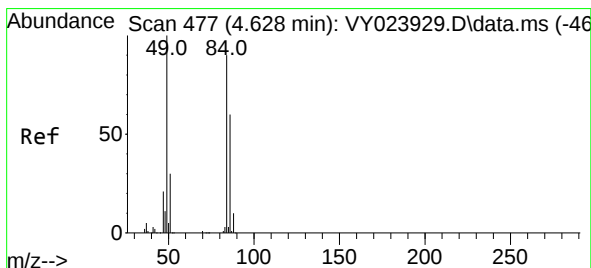
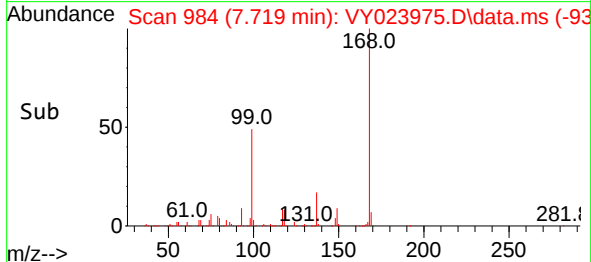
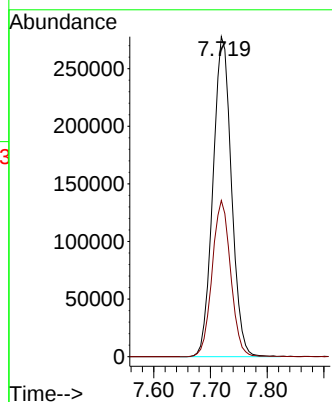
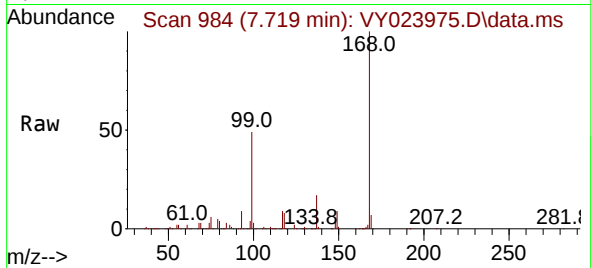




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 984
Delta R.T. 0.000 min
Lab File: VY023975.D
Acq: 15 Dec 2025 14:37

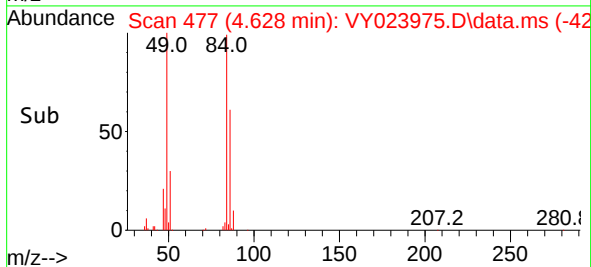
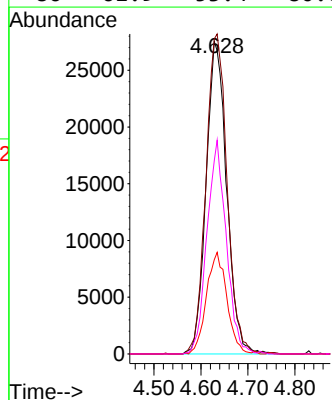
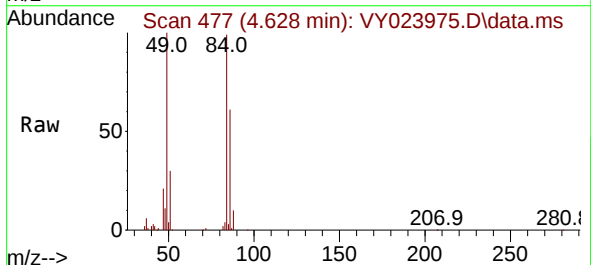
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0006

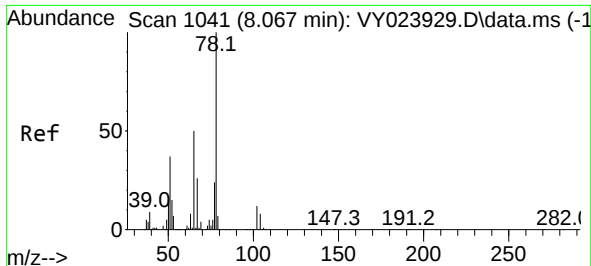
Tgt Ion:168 Resp: 629391
Ion Ratio Lower Upper
168 100
99 48.8 38.9 58.3



#20
Methylene Chloride
Concen: 12.770 ug/l
RT: 4.628 min Scan# 477
Delta R.T. -0.000 min
Lab File: VY023975.D
Acq: 15 Dec 2025 14:37

Tgt Ion: 84 Resp: 83599
Ion Ratio Lower Upper
84 100
49 100.9 89.1 133.7
51 30.2 26.6 39.8
86 61.9 53.4 80.0





#33

1,2-Dichloroethane-d4

Concen: 50.530 ug/l

RT: 8.073 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023975.D

Acq: 15 Dec 2025 14:37

Instrument :

MSVOA_Y

ClientSampleId :

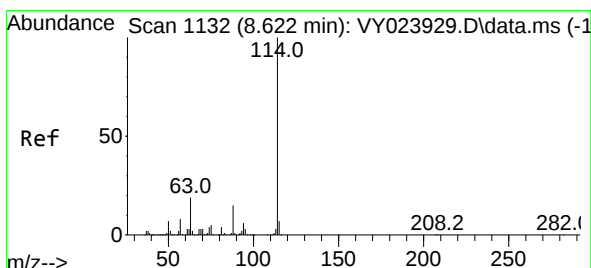
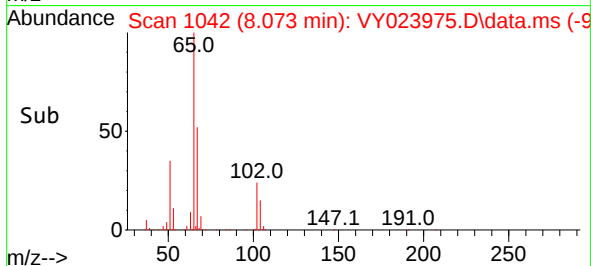
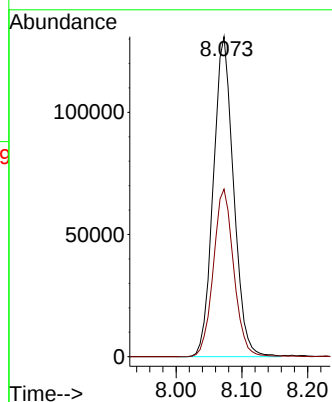
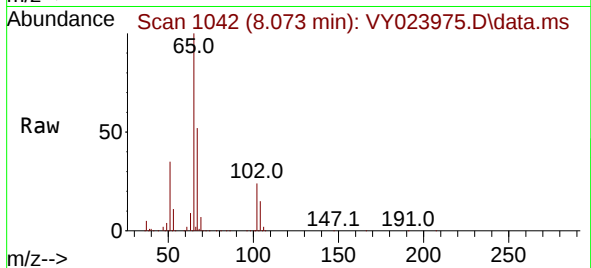
ARS20-0006

Tgt Ion: 65 Resp: 281186

Ion Ratio Lower Upper

65 100

67 52.8 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: VY023975.D

Acq: 15 Dec 2025 14:37

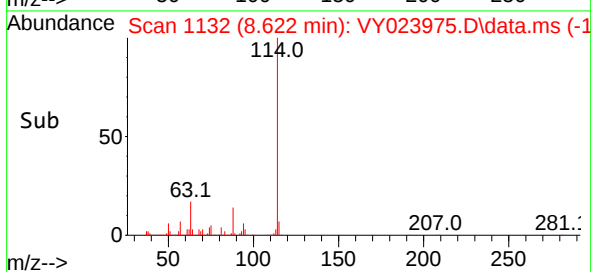
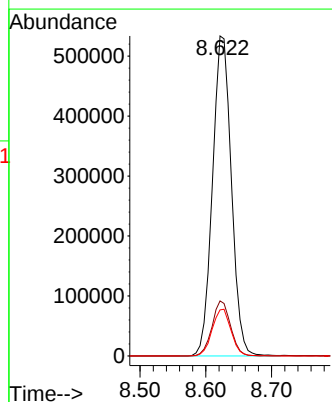
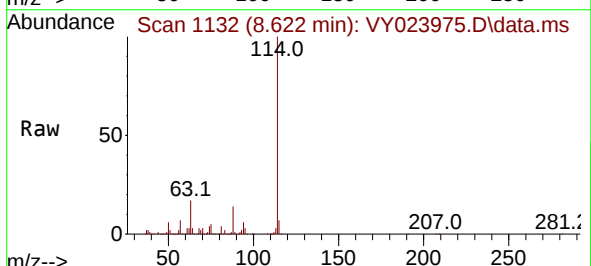
Tgt Ion:114 Resp: 1066179

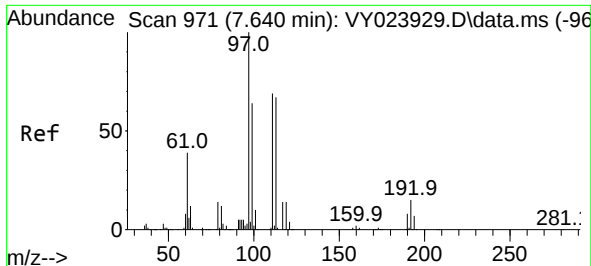
Ion Ratio Lower Upper

114 100

63 17.2 0.0 37.2

88 14.4 0.0 29.4

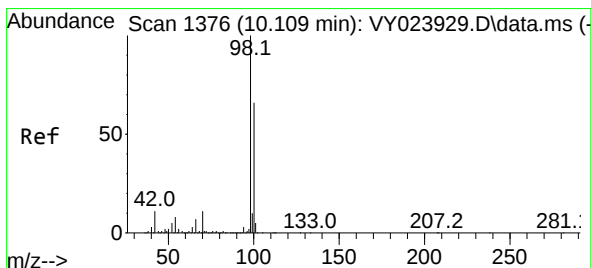
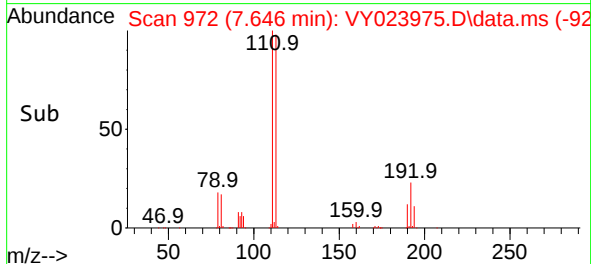
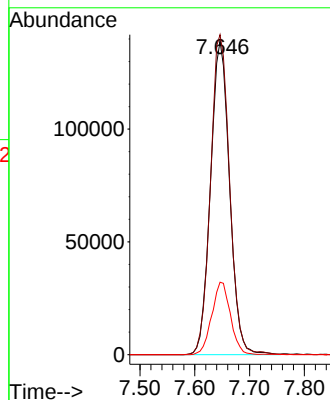
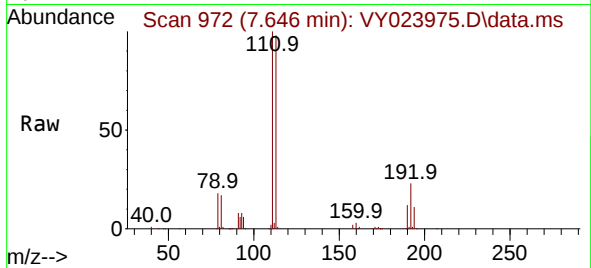




#35
Dibromofluoromethane
Concen: 48.032 ug/l
RT: 7.646 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023975.D
Acq: 15 Dec 2025 14:37

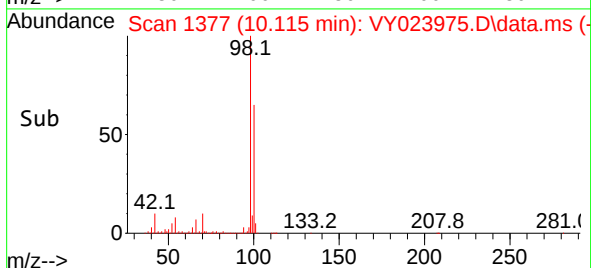
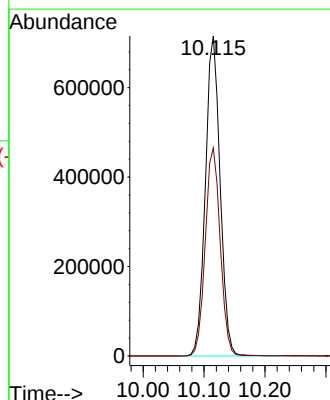
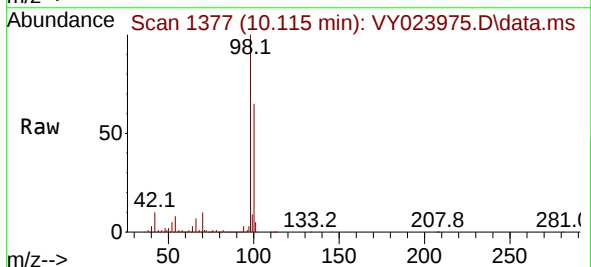
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0006

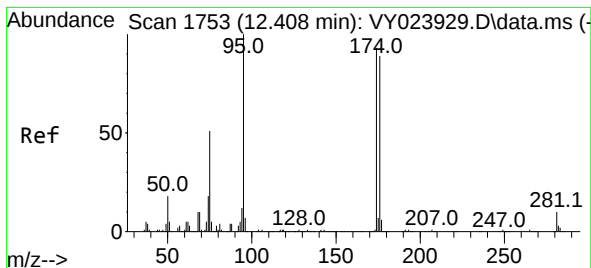
Tgt Ion:113 Resp: 334759
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 22.7 17.9 26.9



#50
Toluene-d8
Concen: 46.299 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY023975.D
Acq: 15 Dec 2025 14:37

Tgt Ion: 98 Resp: 1201376
Ion Ratio Lower Upper
98 100
100 66.1 52.8 79.2

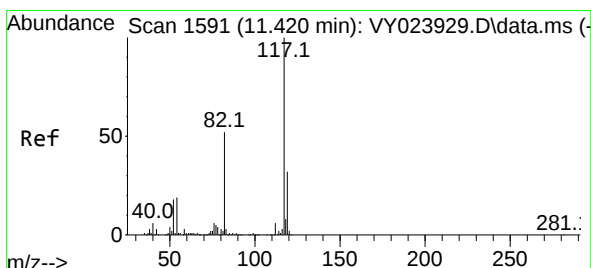
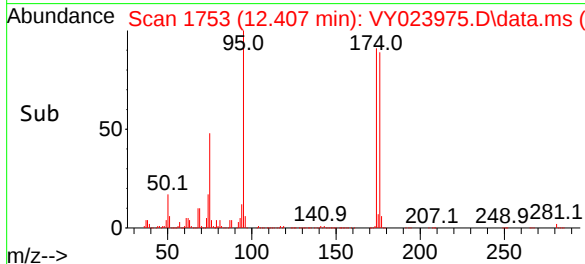
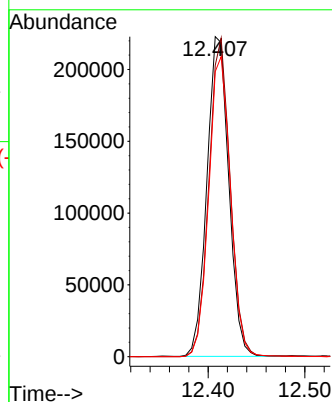
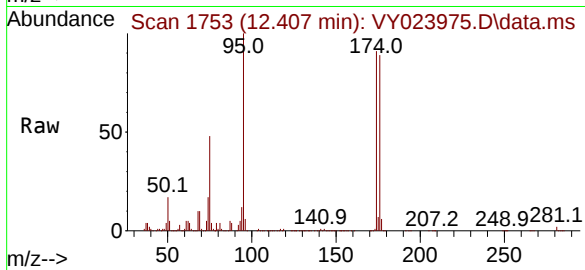




#62
4-Bromofluorobenzene
Concen: 40.560 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023975.D
Acq: 15 Dec 2025 14:37

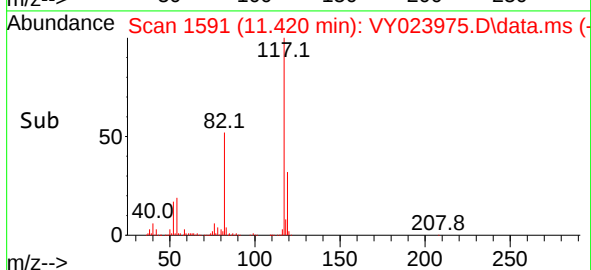
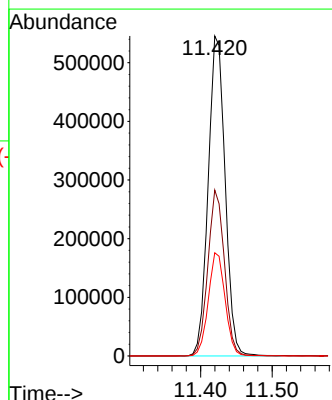
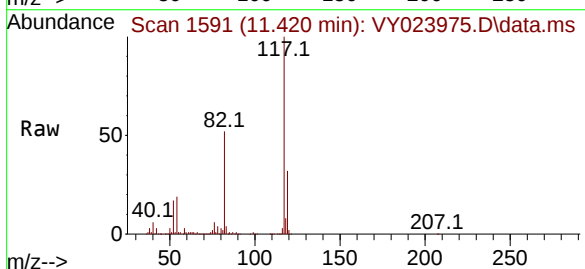
Instrument :
MSVOA_Y
ClientSampleId :
ARS20-0006

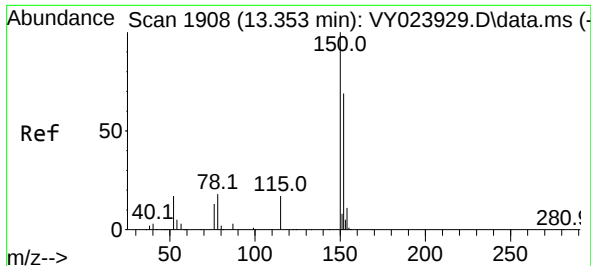
Tgt Ion: 95 Resp: 351479
Ion Ratio Lower Upper
95 100
174 96.9 0.0 187.4
176 93.4 0.0 179.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.000 min
Lab File: VY023975.D
Acq: 15 Dec 2025 14:37

Tgt Ion: 117 Resp: 898459
Ion Ratio Lower Upper
117 100
82 51.8 41.4 62.2
119 32.3 25.5 38.3

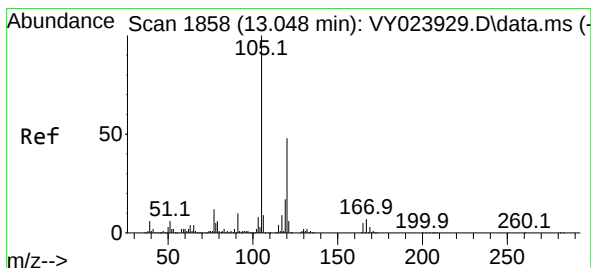
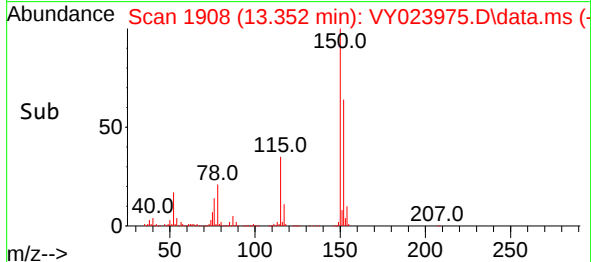
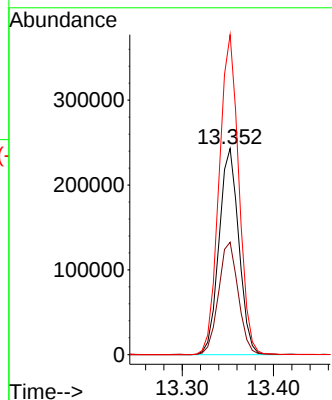
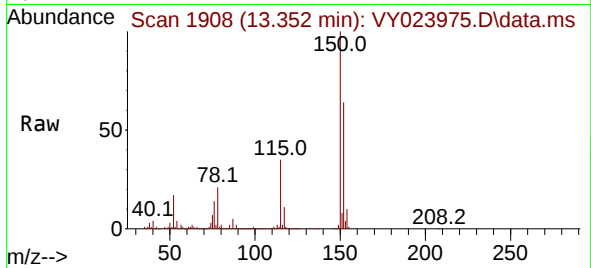




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. -0.000 min
 Lab File: VY023975.D
 Acq: 15 Dec 2025 14:37

Instrument :
 MSVOA_Y
 ClientSampleId :
 ARS20-0006

Tgt Ion:152 Resp: 366577
 Ion Ratio Lower Upper
 152 100
 115 54.4 27.3 81.9
 150 154.3 0.0 347.6



#84
 1,2,4-Trimethylbenzene
 Concen: 1.614 ug/l
 RT: 13.048 min Scan# 1858
 Delta R.T. -0.000 min
 Lab File: VY023975.D
 Acq: 15 Dec 2025 14:37

Tgt Ion:105 Resp: 34164
 Ion Ratio Lower Upper
 105 100
 120 47.8 23.4 70.3

