

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050125\
 Data File : VY022110.D
 Acq On : 01 May 2025 16:27
 Operator : SY/MD
 Sample : Q1914-04
 Misc : 7.62g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-3

Quant Time: May 02 01:31:17 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

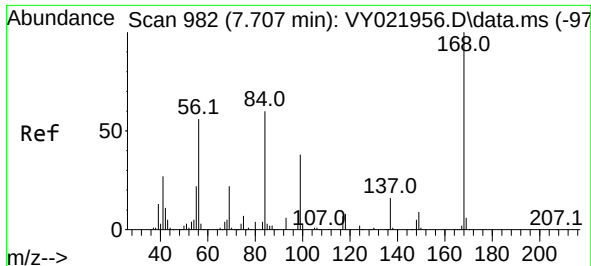
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	334416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	623746	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	568605	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	236192	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156810	50.765	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.540%
35) Dibromofluoromethane	7.634	113	204713	49.678	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.360%
50) Toluene-d8	10.109	98	745626	47.995	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.000%
62) 4-Bromofluorobenzene	12.408	95	235383	45.008	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.020%
Target Compounds						Qvalue
16) Acetone	3.879	43	775	Below Cal		99
20) Methylene Chloride	4.616	84	10632	2.722	ug/l	87
31) Cyclohexane	7.713	56	6236	1.221	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	23512	4.248	ug/l #	48
38) Carbon Tetrachloride	7.701	117	32570	4.924	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	115509	57.095	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	115509	137.493	ug/l #	16

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

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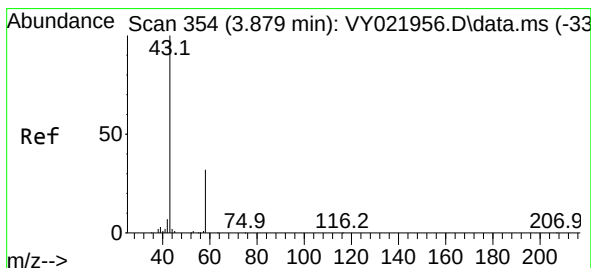
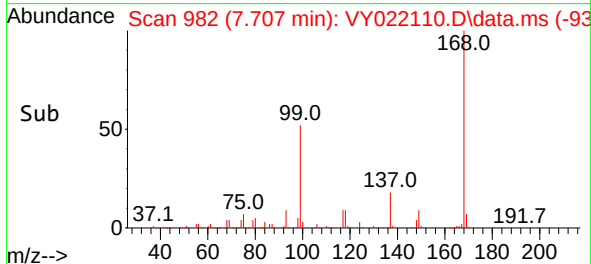
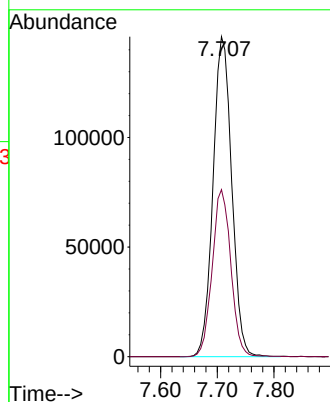
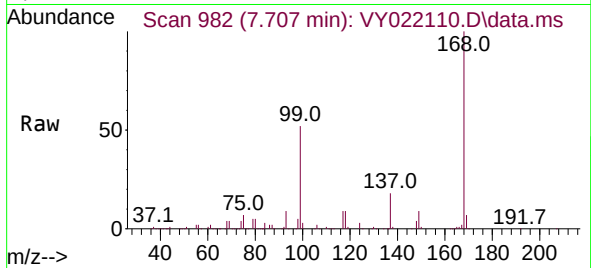




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

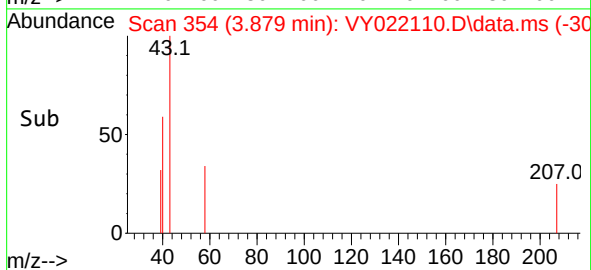
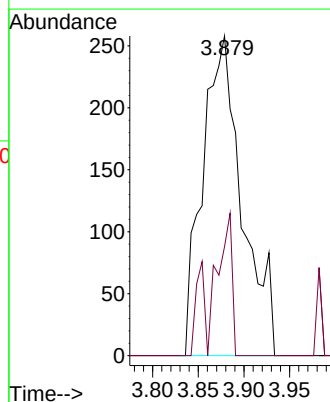
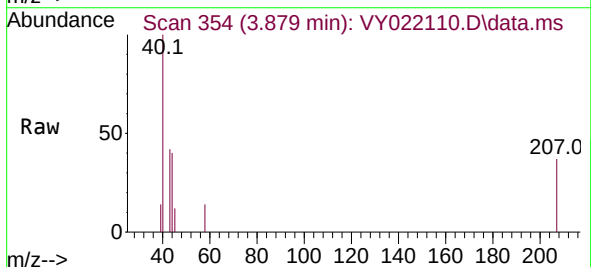
Instrument :
MSVOA_Y
ClientSampleId :
SS-3

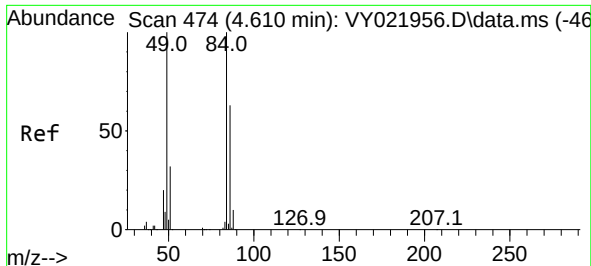
Tgt Ion:168 Resp: 334416
Ion Ratio Lower Upper
168 100
99 52.2 43.1 64.7



#16
Acetone
Concen: Below Cal
RT: 3.879 min Scan# 354
Delta R.T. -0.000 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

Tgt Ion: 43 Resp: 775
Ion Ratio Lower Upper
43 100
58 34.1 27.0 40.4

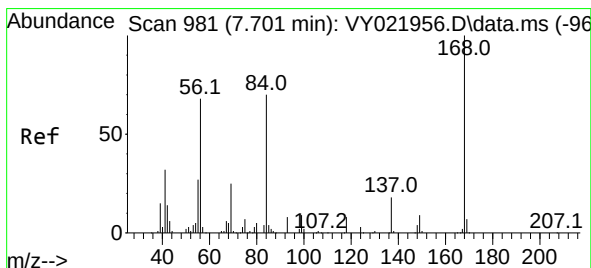
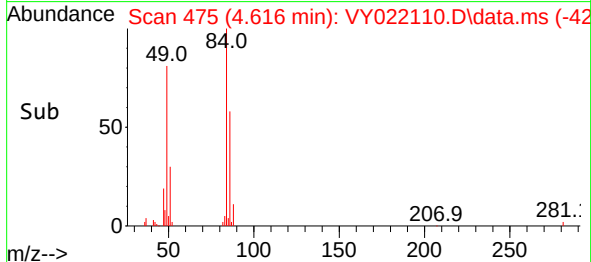
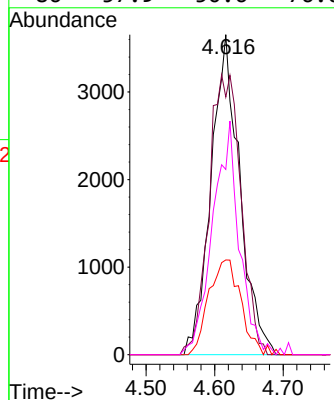
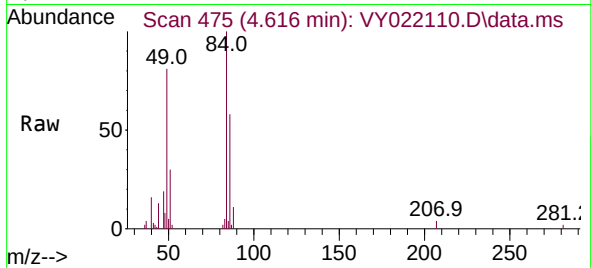




#20
Methylene Chloride
Concen: 2.722 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

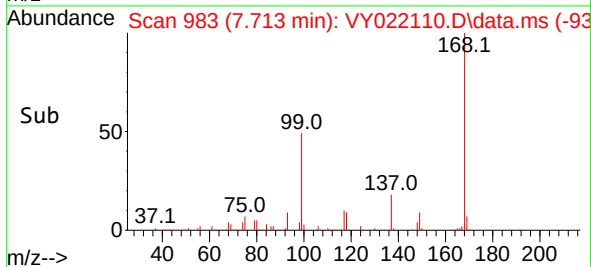
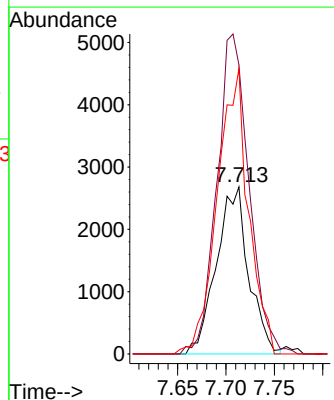
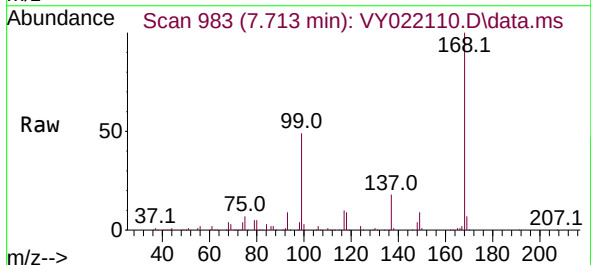
Instrument :
MSVOA_Y
ClientSampleId :
SS-3

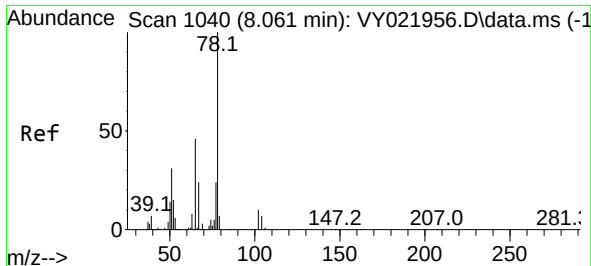
Tgt Ion:	84	Resp:	10632
Ion	Ratio	Lower	Upper
84	100		
49	80.5	79.9	119.9
51	29.6	25.4	38.0
86	57.9	50.6	76.0



#31
Cyclohexane
Concen: 1.221 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

Tgt Ion:	56	Resp:	6236
Ion	Ratio	Lower	Upper
56	100		
69	173.1	29.4	44.2#
84	170.8	82.2	123.4#





#33

1,2-Dichloroethane-d4

Concen: 50.765 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VY022110.D

Acq: 01 May 2025 16:27

Instrument :

MSVOA_Y

ClientSampleId :

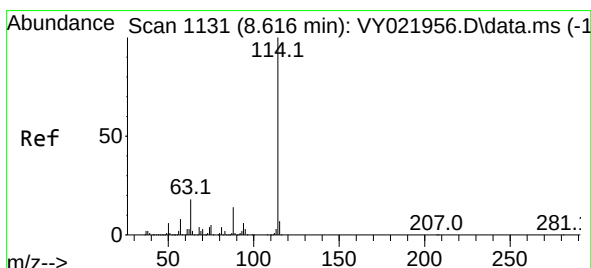
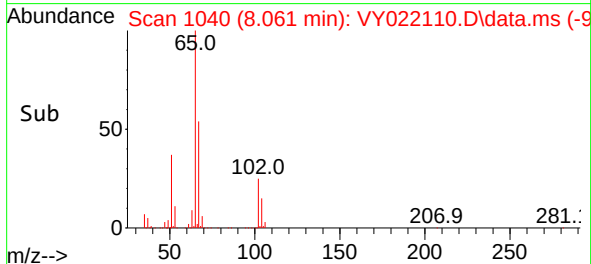
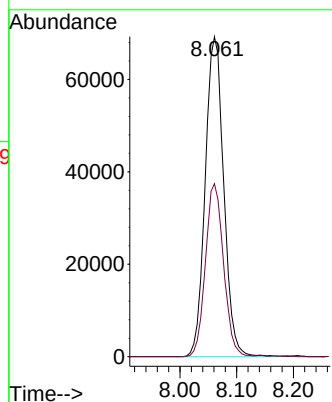
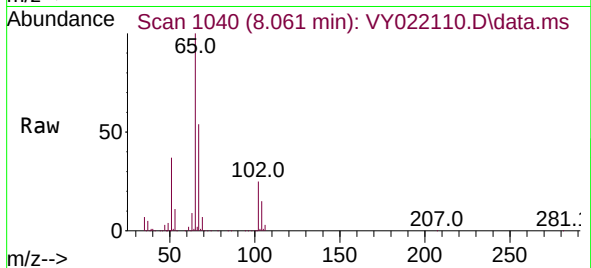
SS-3

Tgt Ion: 65 Resp: 156810

Ion Ratio Lower Upper

65 100

67 52.9 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022110.D

Acq: 01 May 2025 16:27

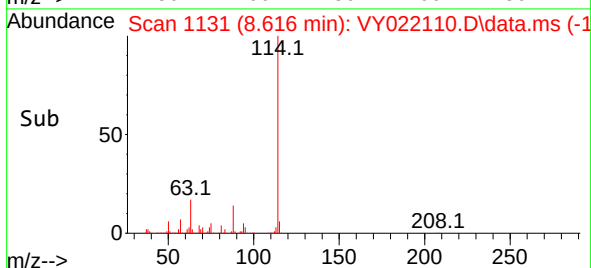
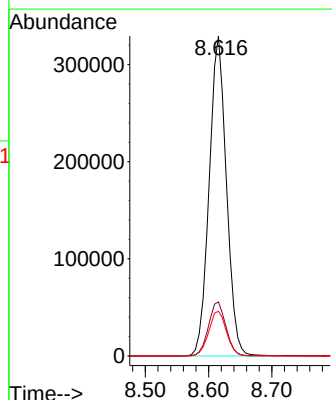
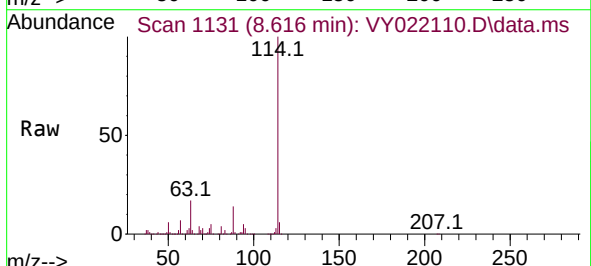
Tgt Ion: 114 Resp: 623746

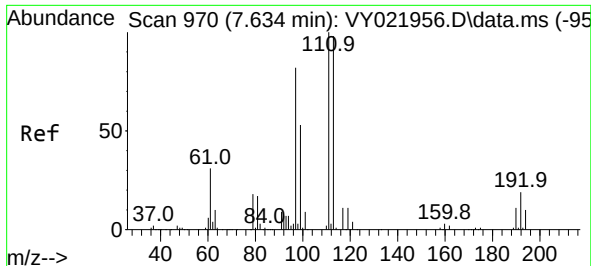
Ion Ratio Lower Upper

114 100

63 16.9 0.0 35.4

88 14.0 0.0 28.2

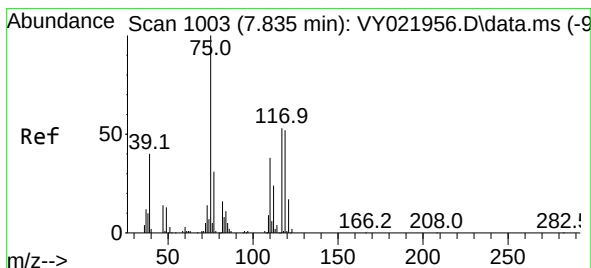
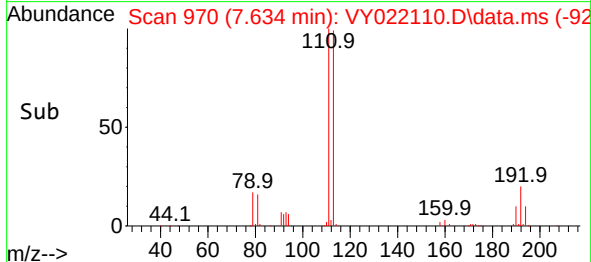
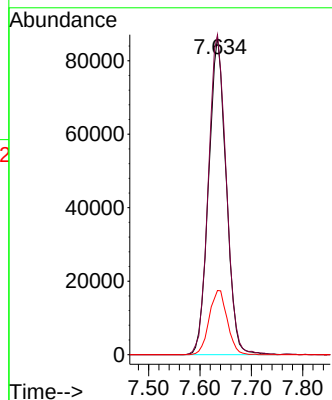
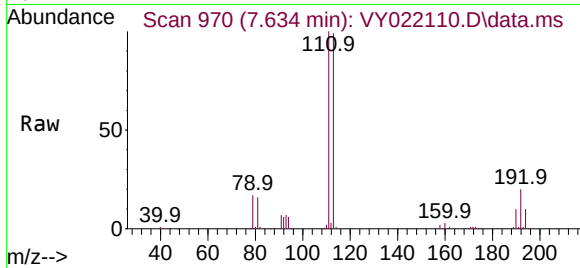




#35
Dibromofluoromethane
Concen: 49.678 ug/l
RT: 7.634 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

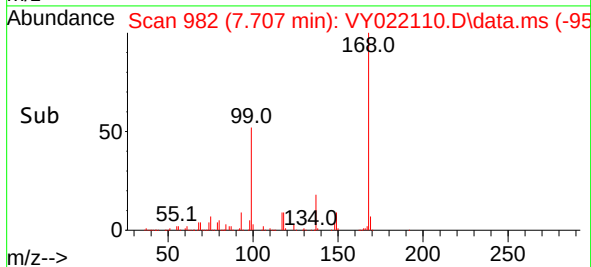
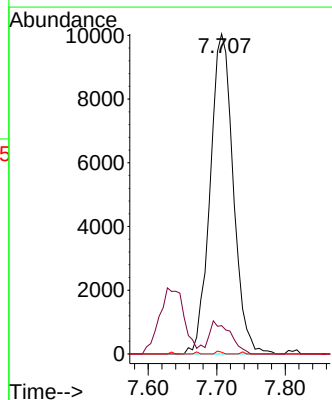
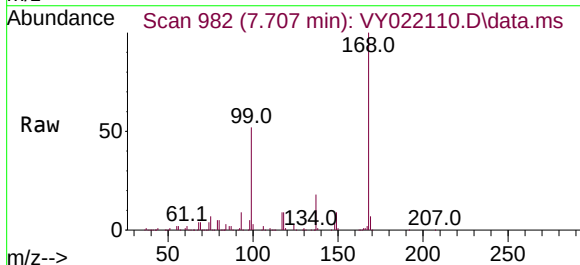
Instrument :
MSVOA_Y
ClientSampleId :
SS-3

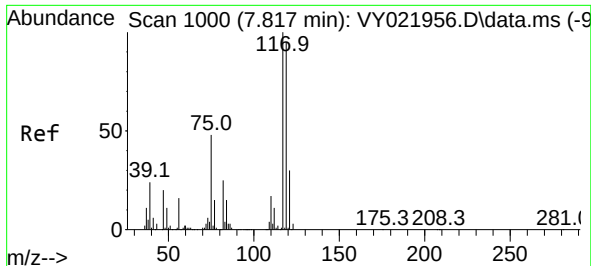
Tgt Ion:113 Resp: 204713
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.8
192 20.8 15.6 23.4



#36
1,1-Dichloropropene
Concen: 4.248 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

Tgt Ion: 75 Resp: 23512
Ion Ratio Lower Upper
75 100
110 9.0 19.1 57.3#
77 0.2 25.5 38.3#

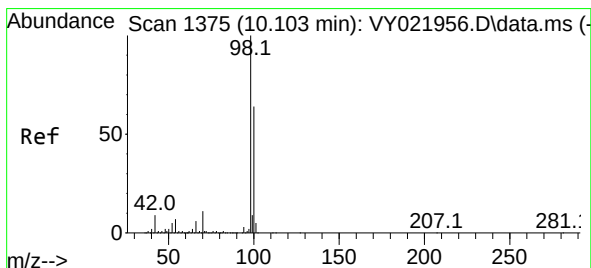
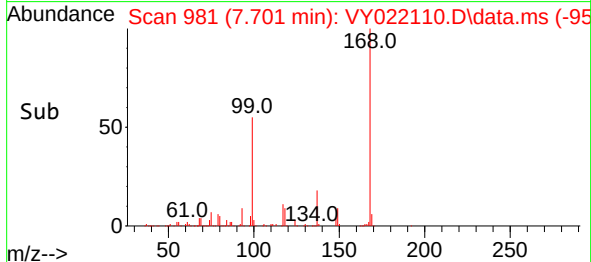
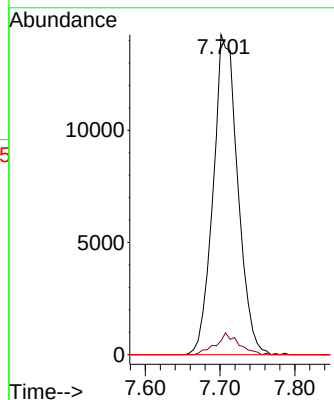
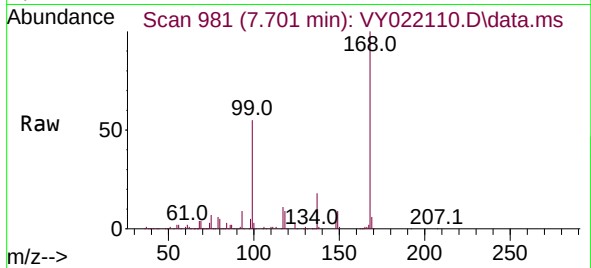




#38
Carbon Tetrachloride
Concen: 4.924 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

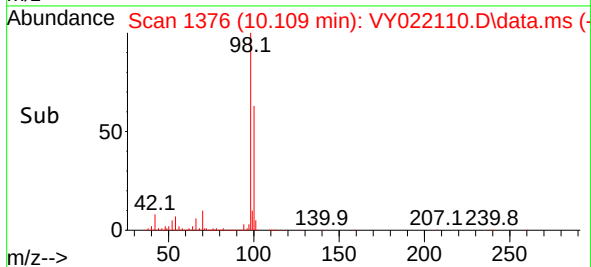
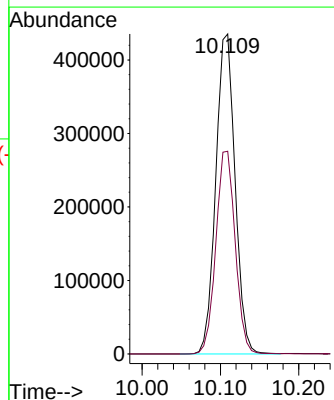
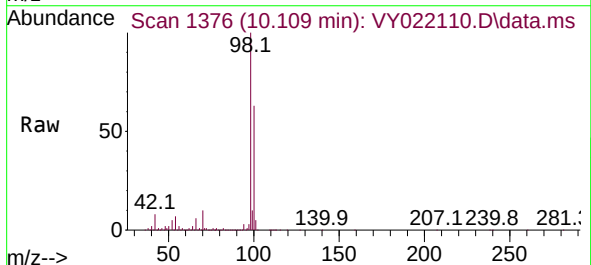
Instrument :
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ClientSampleId :
SS-3

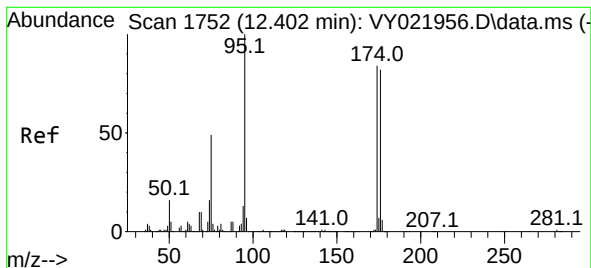
Tgt Ion:117 Resp: 32570
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.4#
121 0.0 24.0 36.0#



#50
Toluene-d8
Concen: 47.995 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

Tgt Ion: 98 Resp: 745626
Ion Ratio Lower Upper
98 100
100 63.7 51.6 77.4

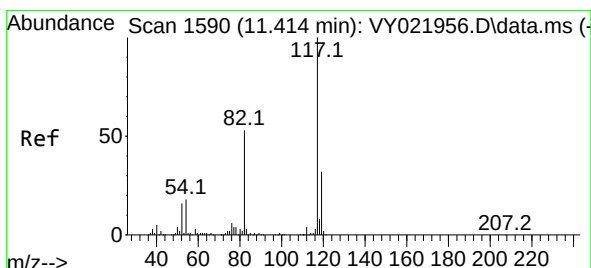
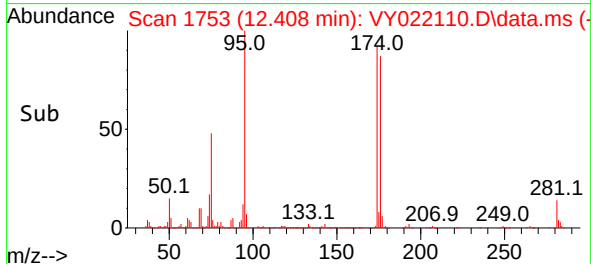
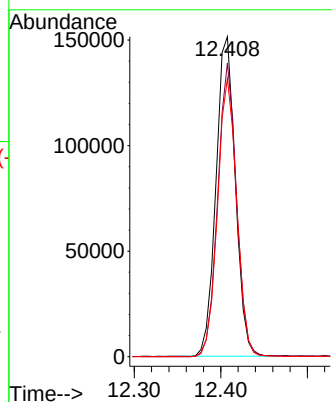
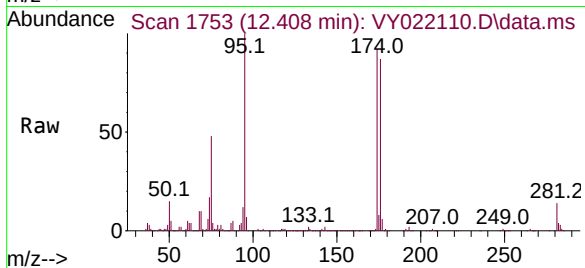




#62
4-Bromofluorobenzene
Concen: 45.008 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

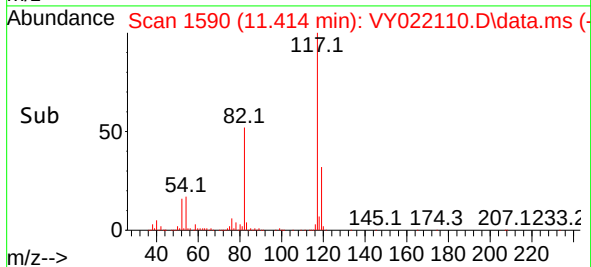
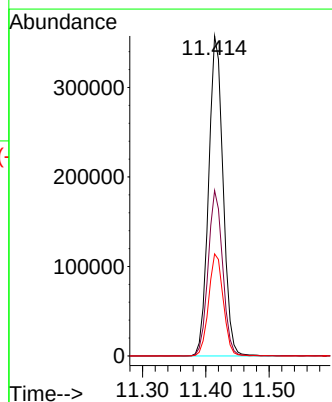
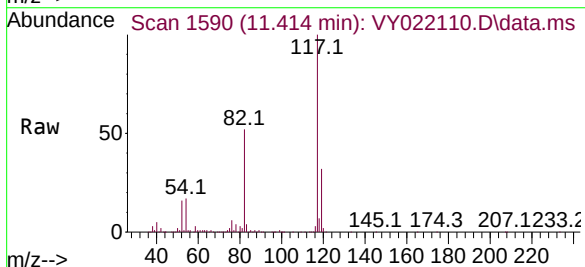
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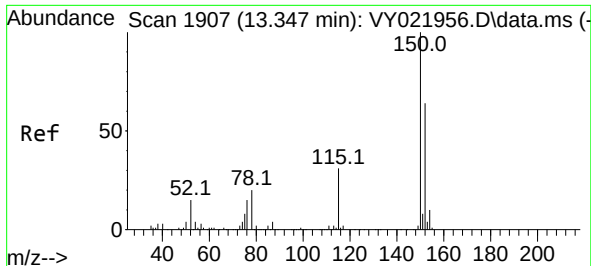
Tgt Ion: 95 Resp: 235383
Ion Ratio Lower Upper
95 100
174 89.4 0.0 179.0
176 86.1 0.0 171.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.000 min
Lab File: VY022110.D
Acq: 01 May 2025 16:27

Tgt Ion: 117 Resp: 568605
Ion Ratio Lower Upper
117 100
82 51.7 42.1 63.1
119 31.9 25.7 38.5

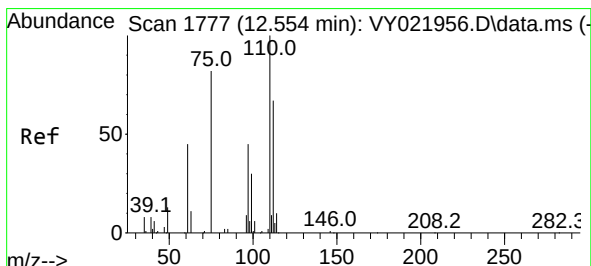
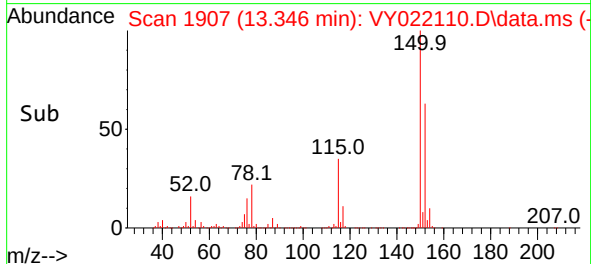
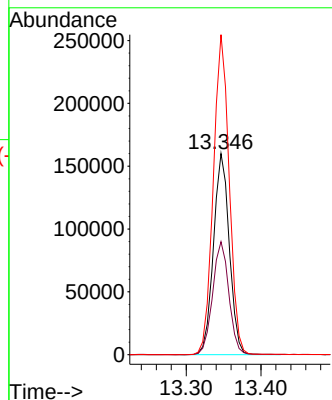
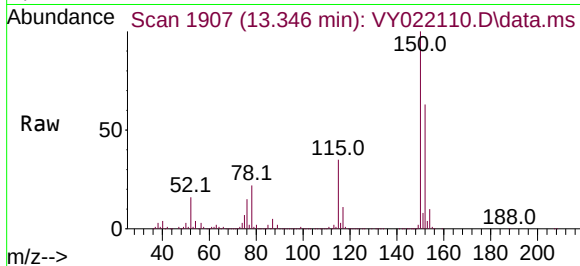




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022110.D
 Acq: 01 May 2025 16:27

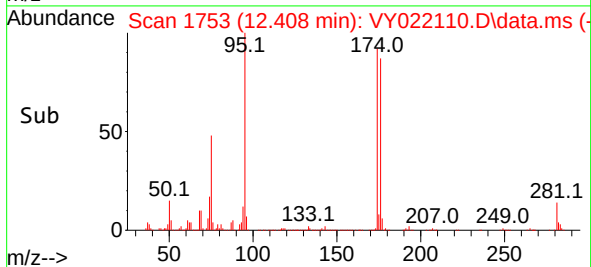
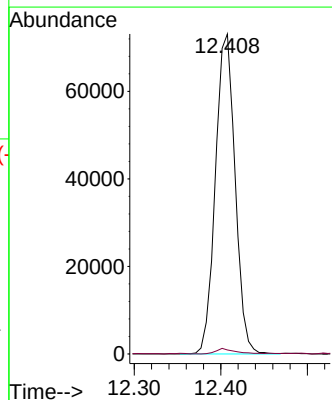
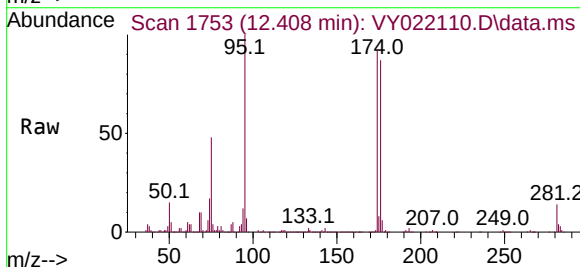
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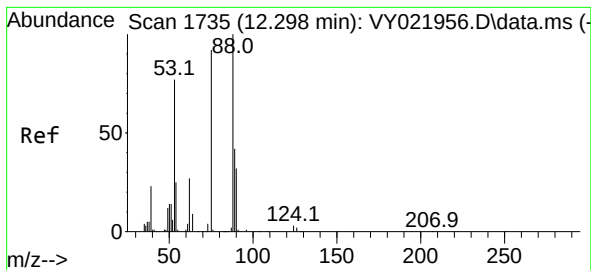
Tgt Ion:152 Resp: 236192
 Ion Ratio Lower Upper
 152 100
 115 57.7 28.0 84.0
 150 159.3 0.0 345.6



#76
 1,2,3-Trichloropropane
 Concen: 57.095 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY022110.D
 Acq: 01 May 2025 16:27

Tgt Ion: 75 Resp: 115509
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 137.493 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY022110.D
 Acq: 01 May 2025 16:27

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-3

Tgt Ion: 75 Resp: 115509
 Ion Ratio Lower Upper
 75 100
 53 0.3 66.0 99.0#
 89 0.6 37.2 55.8#

