

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023460.D
 Acq On : 14 Oct 2025 14:28
 Operator : SY/MD
 Sample : Q3341-01
 Misc : 5.17g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

Quant Time: Oct 15 03:29:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

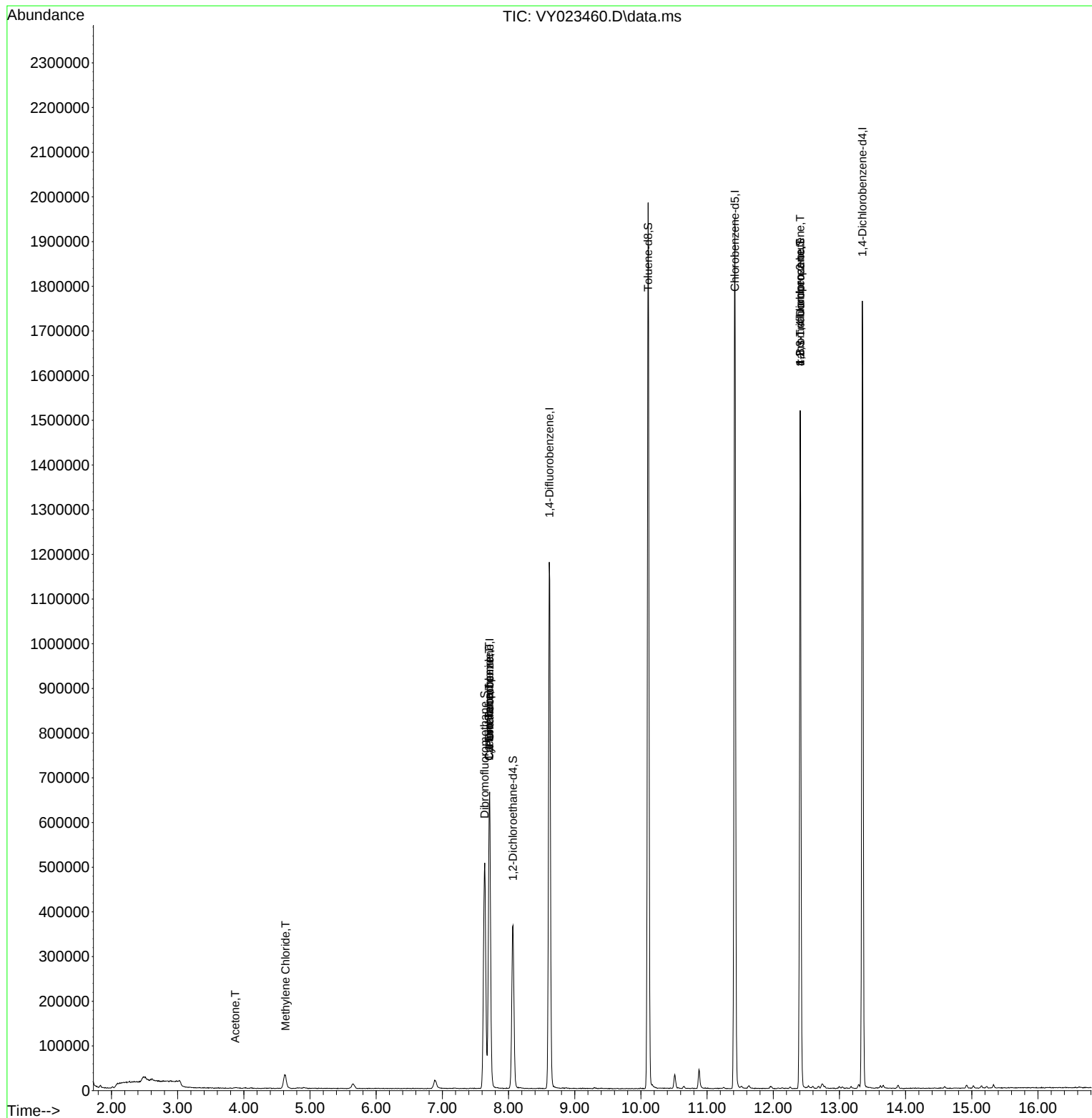
Internal Standards						
1) Pentafluorobenzene	7.713	168	550557	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1073471	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1115279	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	474493	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	291839	63.390	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.780%	
35) Dibromofluoromethane	7.640	113	365588	55.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.860%	
50) Toluene-d8	10.109	98	1302826	53.038	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 106.080%	
62) 4-Bromofluorobenzene	12.408	95	443979	54.746	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.500%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	3238	2.954	ug/l #	81
20) Methylene Chloride	4.629	84	25301	4.269	ug/l	93
31) Cyclohexane	7.707	56	9376	1.224	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	37224	4.263	ug/l #	48
38) Carbon Tetrachloride	7.707	117	50218	4.743	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	218478	52.189	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	218478	127.977	ug/l #	15

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

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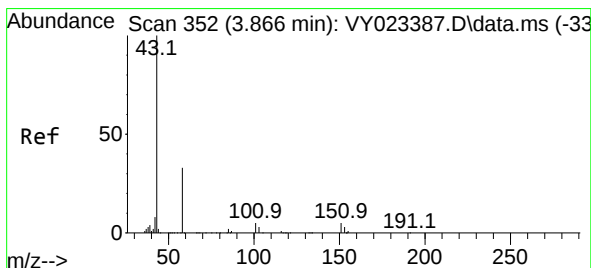
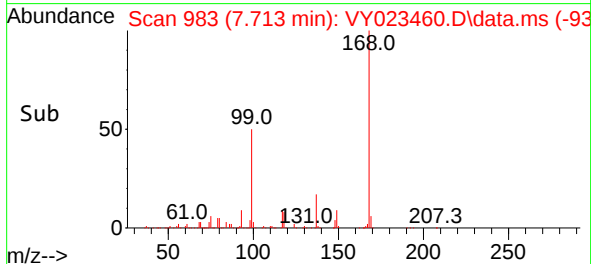
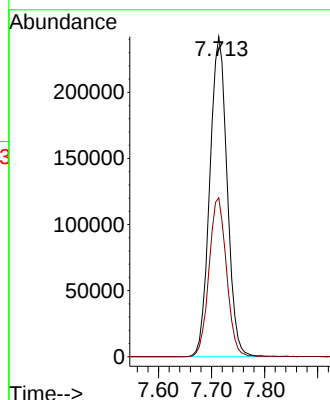
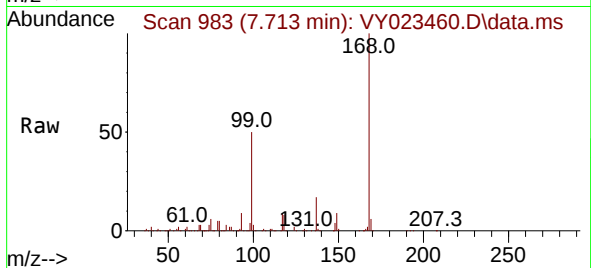




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

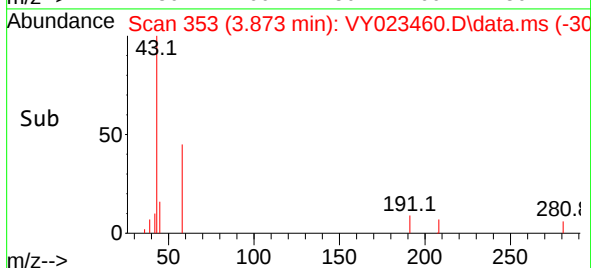
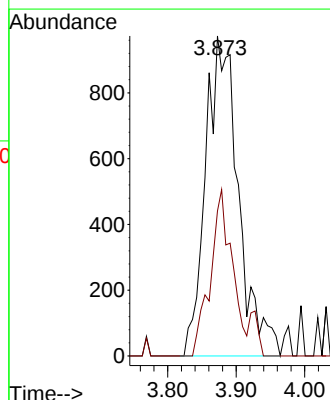
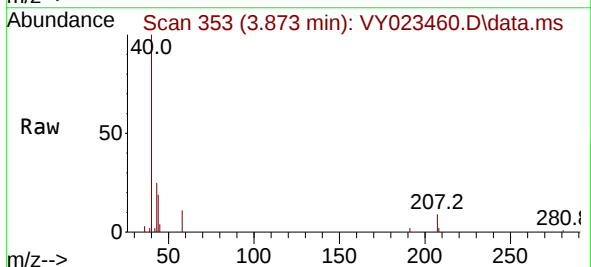
Instrument :
MSVOA_Y
ClientSampleId :
C-1

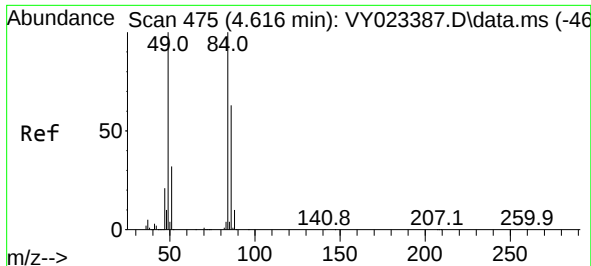
Tgt Ion:168 Resp: 550557
Ion Ratio Lower Upper
168 100
99 49.7 39.7 59.5



#16
Acetone
Concen: 2.954 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 43 Resp: 3238
Ion Ratio Lower Upper
43 100
58 45.3 27.7 41.5#

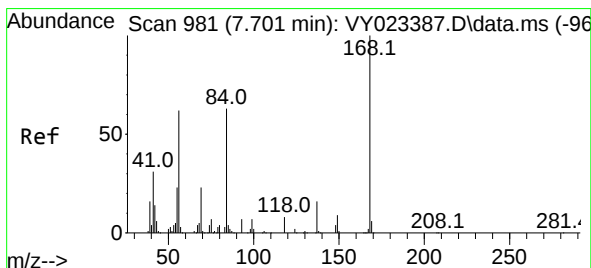
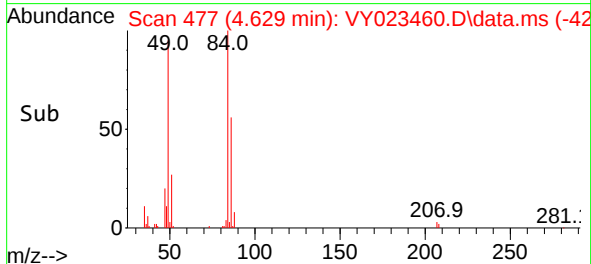
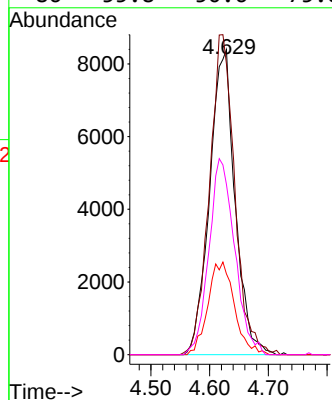
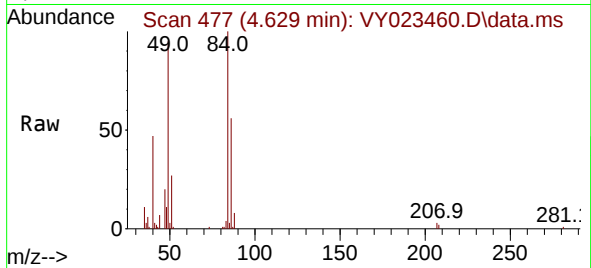




#20
Methylene Chloride
Concen: 4.269 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

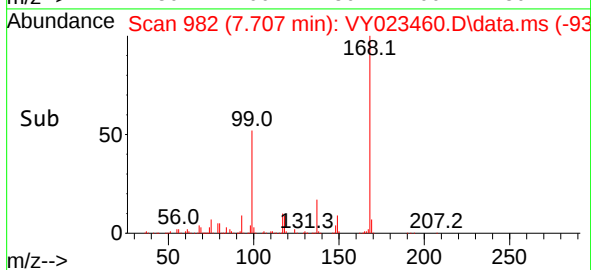
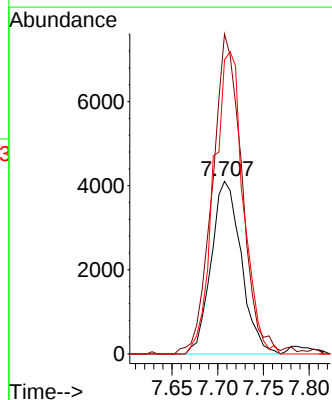
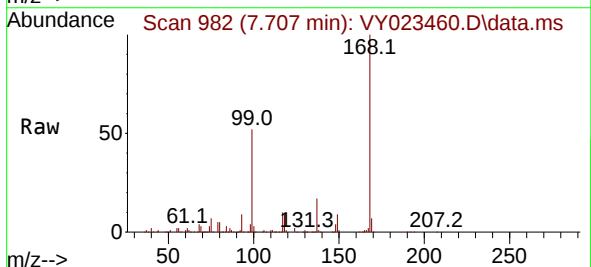
Instrument :
MSVOA_Y
ClientSampleId :
C-1

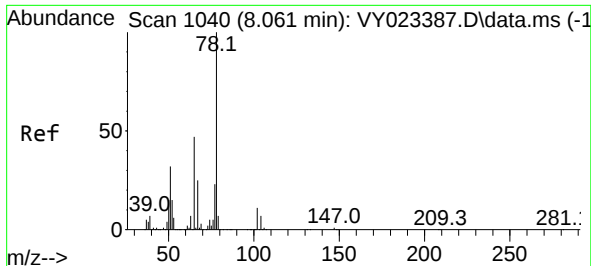
Tgt Ion:	84	Resp:	25301
Ion	Ratio	Lower	Upper
84	100		
49	95.3	80.2	120.4
51	26.5	25.9	38.9
86	55.8	50.6	75.8



#31
Cyclohexane
Concen: 1.224 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion:	56	Resp:	9376
Ion	Ratio	Lower	Upper
56	100		
69	183.4	30.0	45.0#
84	170.3	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 63.390 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023460.D

Acq: 14 Oct 2025 14:28

Instrument :

MSVOA_Y

ClientSampleId :

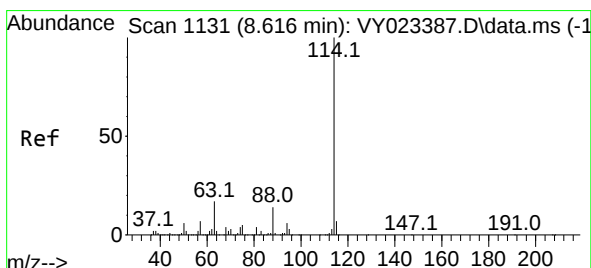
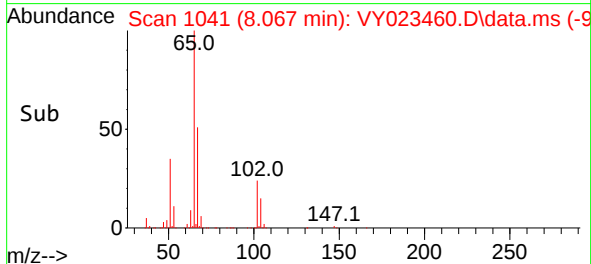
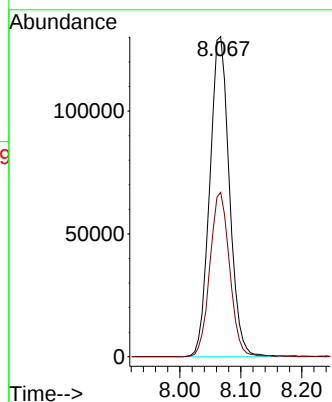
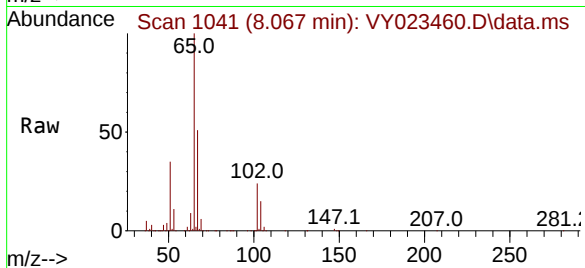
C-1

Tgt Ion: 65 Resp: 291839

Ion Ratio Lower Upper

65 100

67 51.6 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: VY023460.D

Acq: 14 Oct 2025 14:28

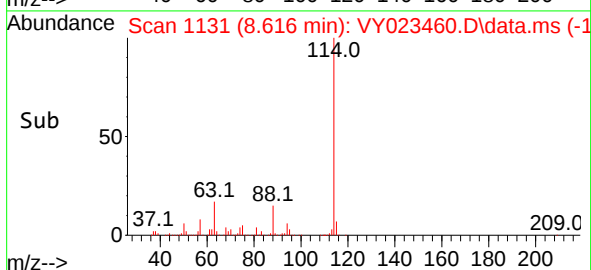
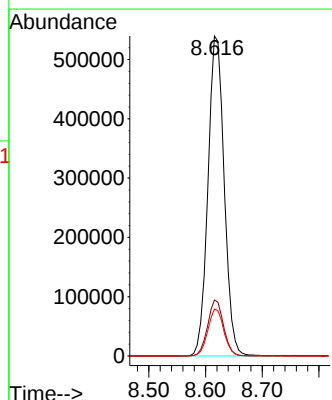
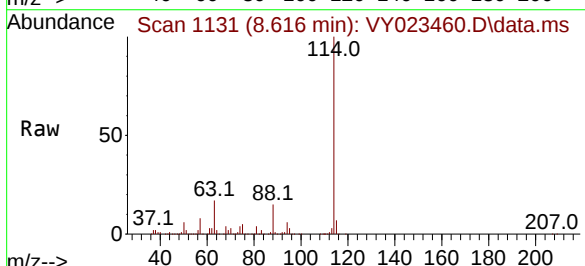
Tgt Ion: 114 Resp: 1073471

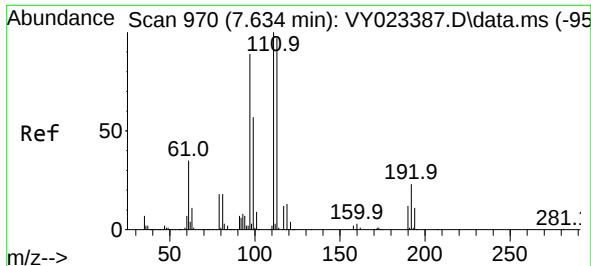
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.6 0.0 28.4

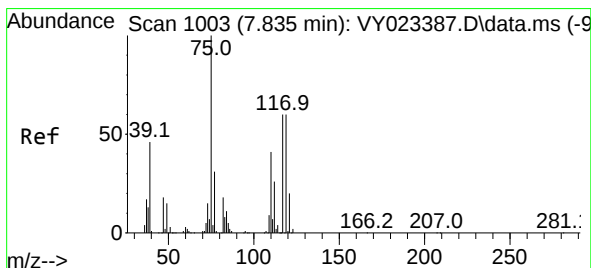
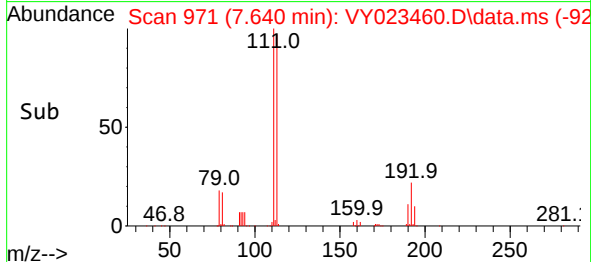
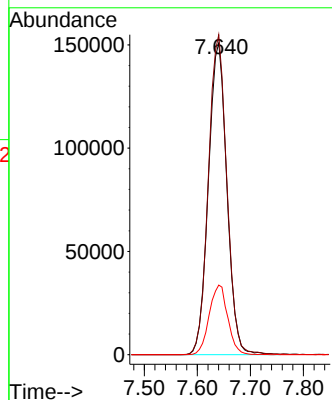
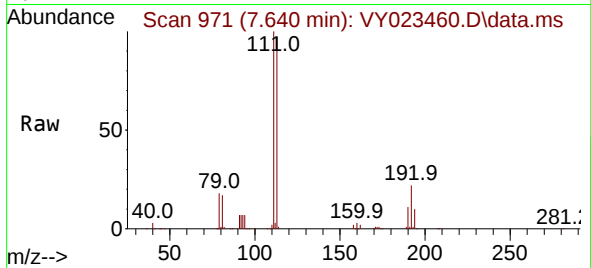




#35
Dibromofluoromethane
Concen: 55.426 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

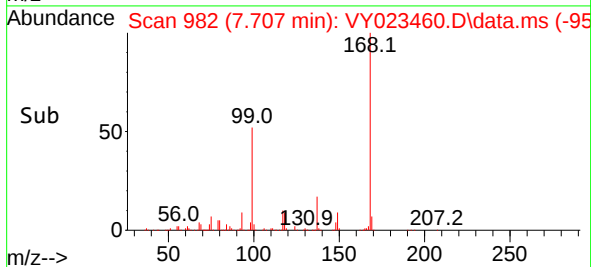
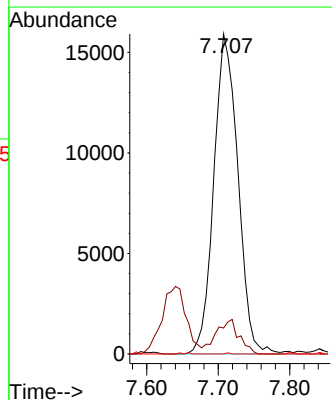
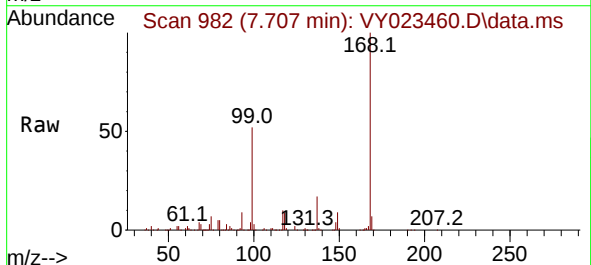
Instrument :
MSVOA_Y
ClientSampleId :
C-1

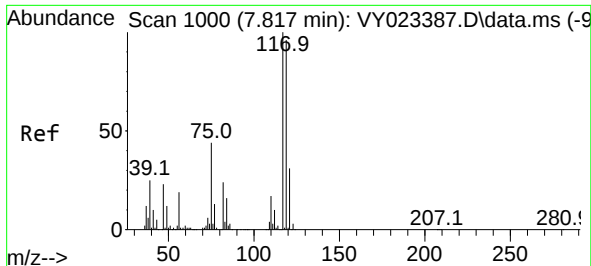
Tgt Ion:113 Resp: 365588
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.4 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.263 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 75 Resp: 37224
Ion Ratio Lower Upper
75 100
110 10.3 19.9 59.7#
77 0.1 25.0 37.6#

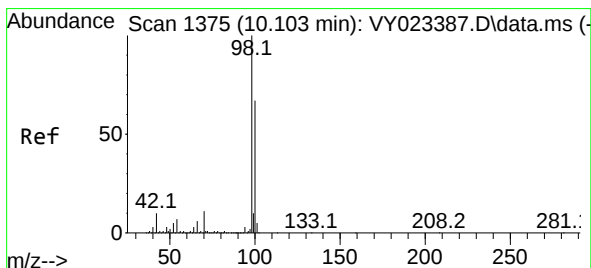
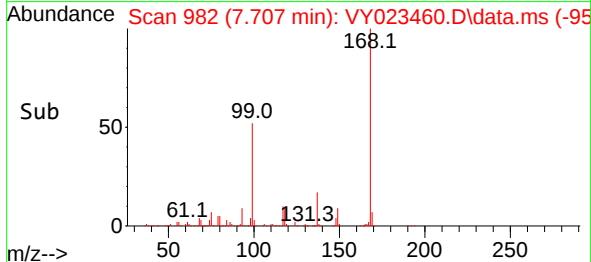
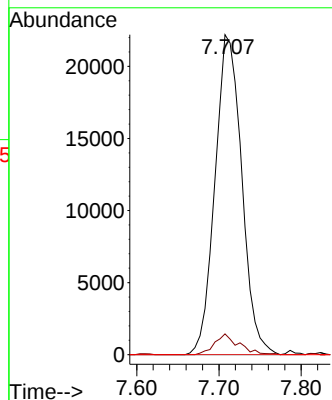
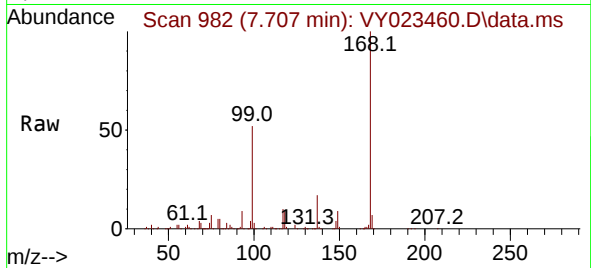




#38
Carbon Tetrachloride
Concen: 4.743 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

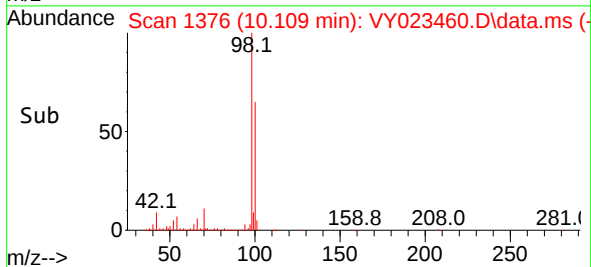
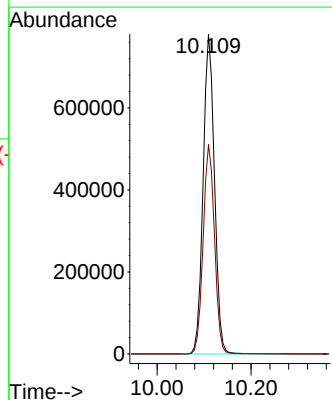
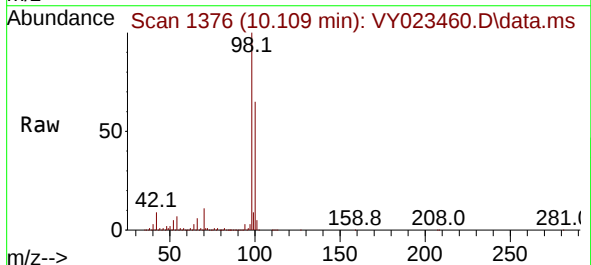
Instrument :
MSVOA_Y
ClientSampleId :
C-1

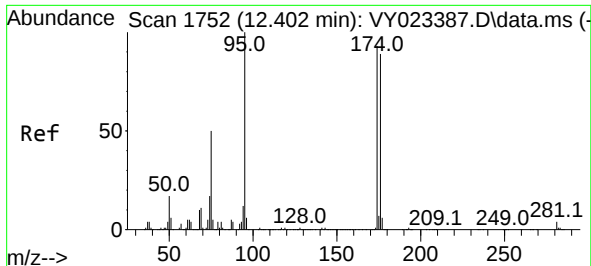
Tgt Ion:117 Resp: 50218
Ion Ratio Lower Upper
117 100
119 6.5 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 53.038 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 98 Resp: 1302826
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4

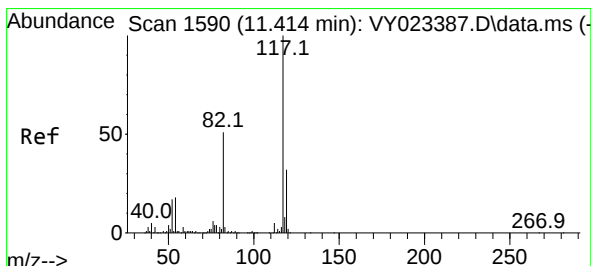
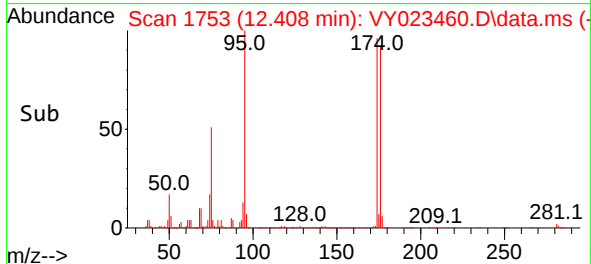
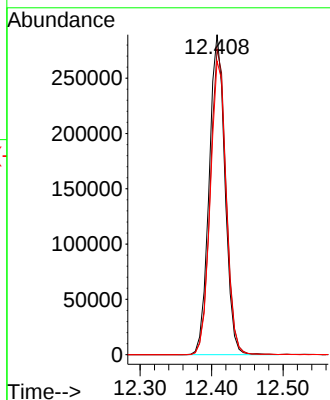
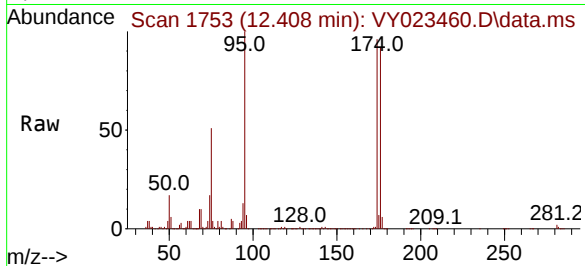




#62
4-Bromofluorobenzene
Concen: 54.746 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

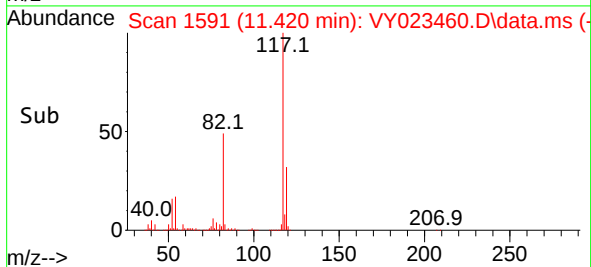
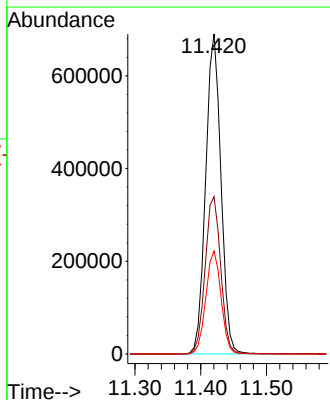
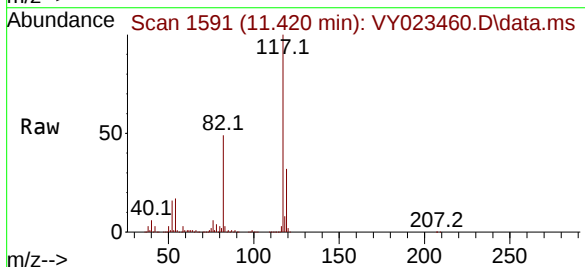
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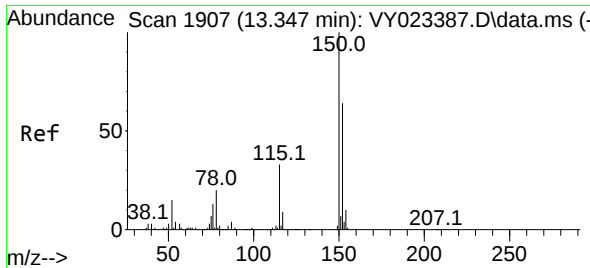
Tgt Ion: 95 Resp: 443979
Ion Ratio Lower Upper
95 100
174 96.1 0.0 192.8
176 92.3 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023460.D
Acq: 14 Oct 2025 14:28

Tgt Ion: 117 Resp: 1115279
Ion Ratio Lower Upper
117 100
82 49.2 41.0 61.4
119 32.2 25.6 38.4

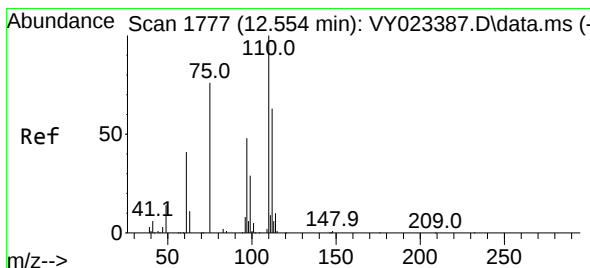
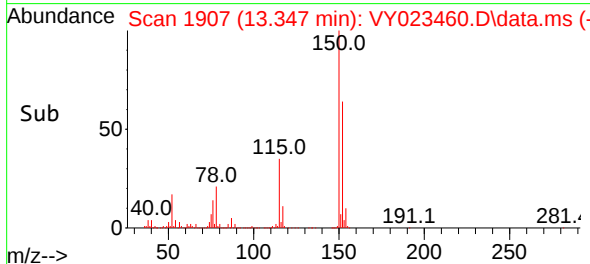
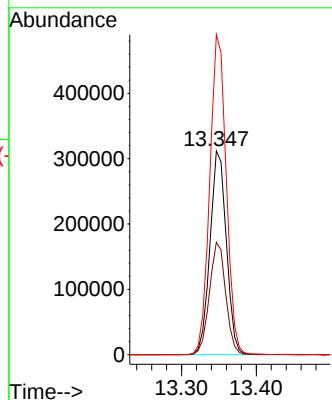
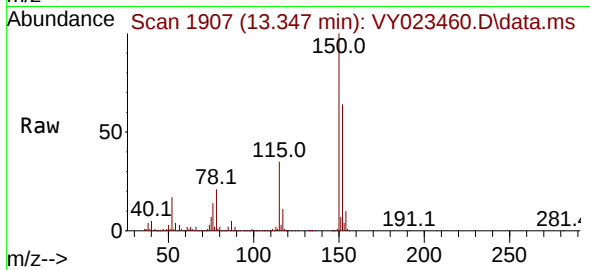




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.347 min Scan# 1907
 Delta R.T. 0.000 min
 Lab File: VY023460.D
 Acq: 14 Oct 2025 14:28

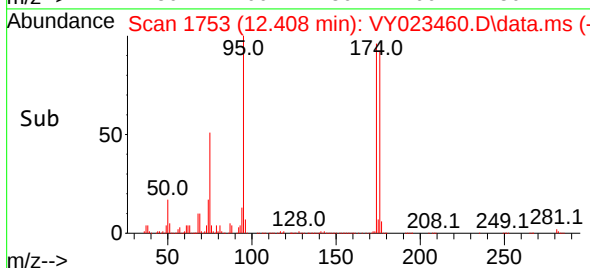
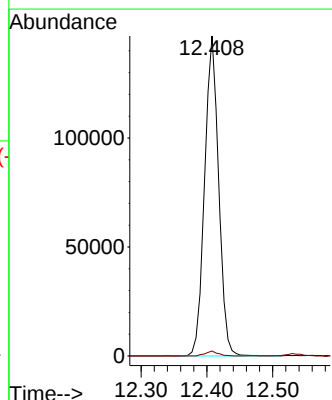
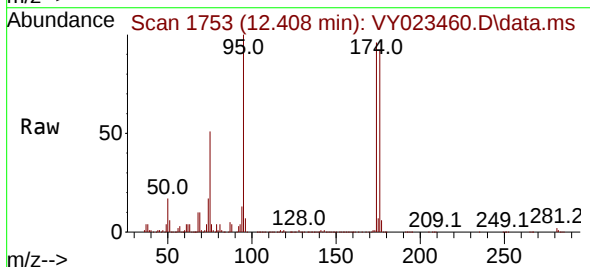
Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1

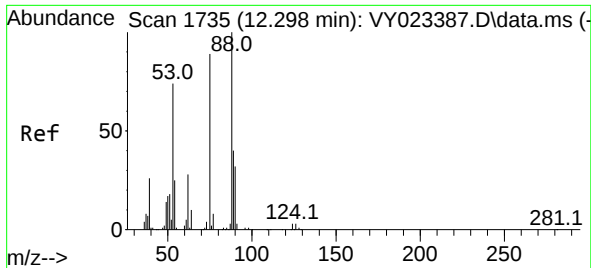
Tgt Ion:152 Resp: 474493
 Ion Ratio Lower Upper
 152 100
 115 55.0 27.1 81.2
 150 157.9 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 52.189 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023460.D
 Acq: 14 Oct 2025 14:28

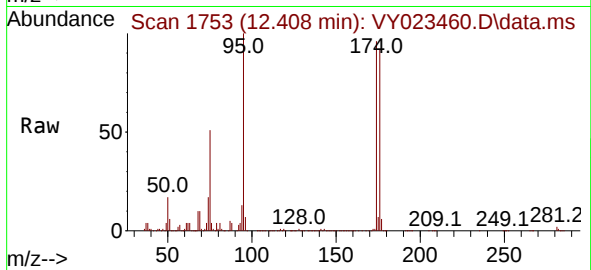
Tgt Ion: 75 Resp: 218478
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 127.977 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023460.D
 Acq: 14 Oct 2025 14:28

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-1



Tgt Ion: 75 Resp: 218478
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

