

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
 Data File : VY023331.D
 Acq On : 10 Sep 2025 14:26
 Operator : SY/MD
 Sample : Q3066-03
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VNJ-242

Quant Time: Sep 11 03:50:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

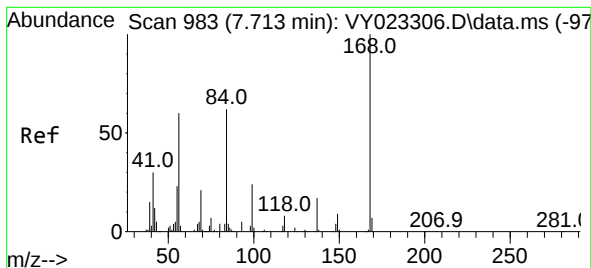
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.713	168	560527	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1073105	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1000788	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	412921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	303807	61.681	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.360%	
35) Dibromofluoromethane	7.634	113	352926	53.804	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.600%	
50) Toluene-d8	10.109	98	1288815	52.033	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.060%	
62) 4-Bromofluorobenzene	12.407	95	388600	49.854	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 99.700%	
Target Compounds						
					Qvalue	
16) Acetone	3.866	43	2914	2.597	ug/l #	70
20) Methylene Chloride	4.616	84	24217	4.035	ug/l	96
31) Cyclohexane	7.707	56	10218	1.185	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	39403	4.218	ug/l #	50
38) Carbon Tetrachloride	7.713	117	53250	4.953	ug/l #	17
51) 4-Methyl-2-Pentanone	10.109	43	5262	1.423	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	193779	46.341	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	193779	126.376	ug/l #	14

(#) = 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# 9

Delta R.T. 0.006 min

Lab File: VY023331.D

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MSVOA_Y

ClientSampleId :

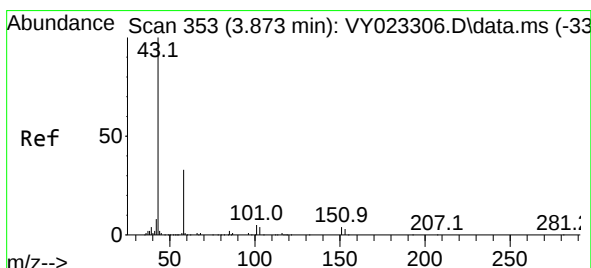
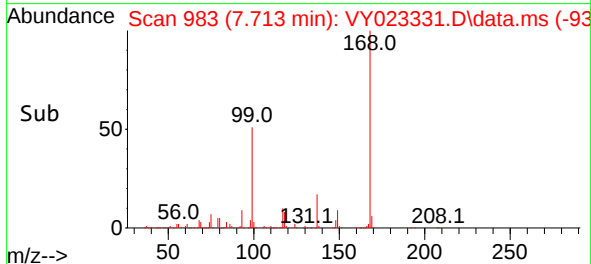
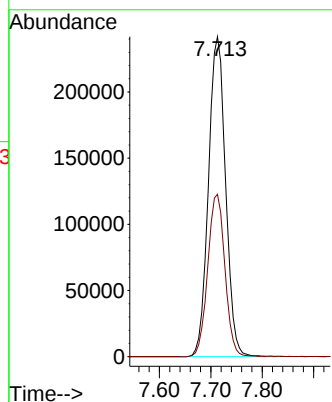
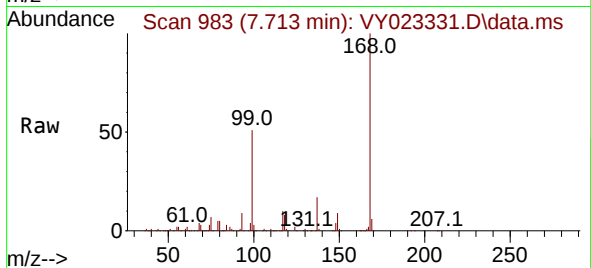
VNJ-242

Tgt Ion:168 Resp: 560527

Ion Ratio Lower Upper

168 100

99 50.8 42.8 64.2



#16

Acetone

Concen: 2.597 ug/l

RT: 3.866 min Scan# 352

Delta R.T. 0.006 min

Lab File: VY023331.D

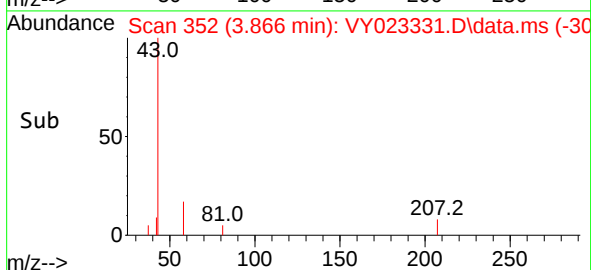
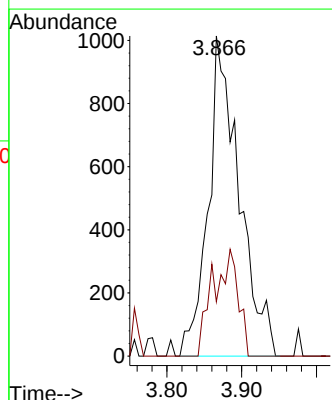
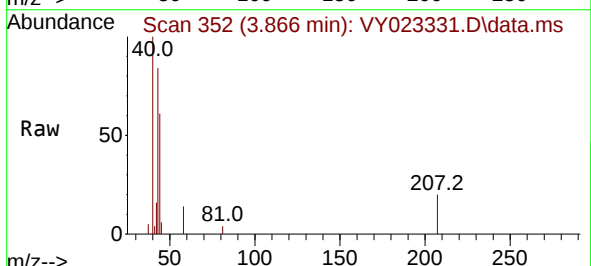
Acq: 10 Sep 2025 14:26

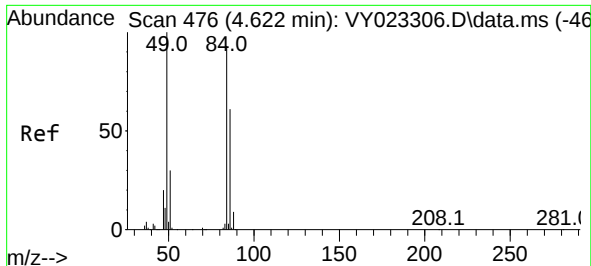
Tgt Ion: 43 Resp: 2914

Ion Ratio Lower Upper

43 100

58 17.0 27.1 40.7#

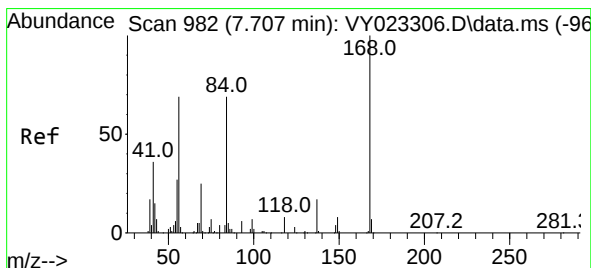
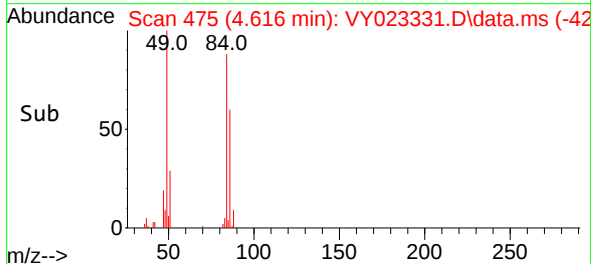
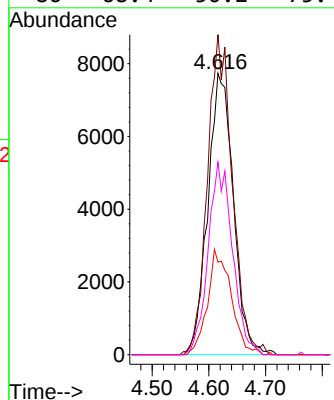
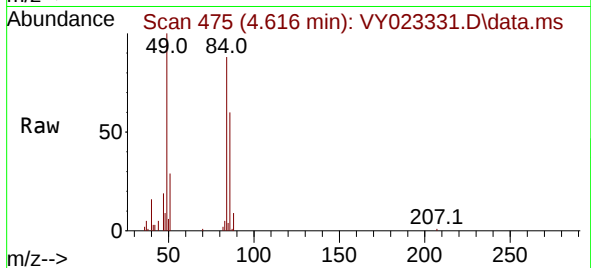




#20
Methylene Chloride
Concen: 4.035 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

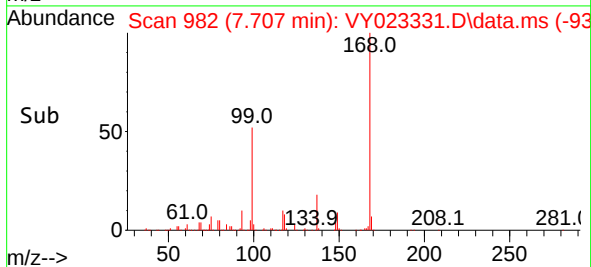
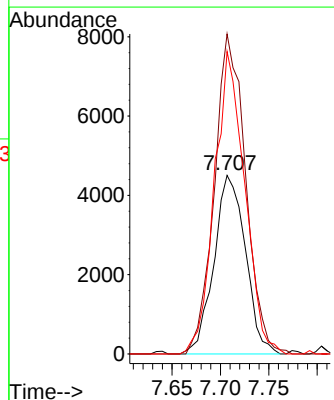
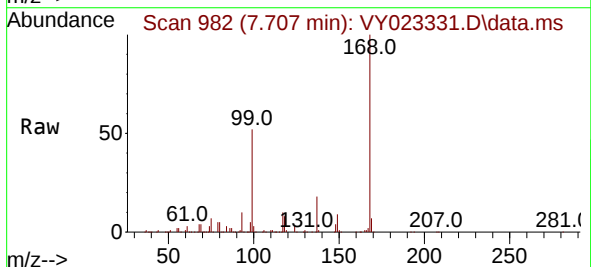
Instrument :
MSVOA_Y
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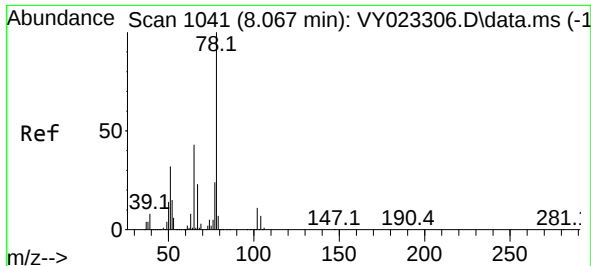
Tgt Ion:	84	Resp:	24217
Ion	Ratio	Lower	Upper
84	100		
49	113.8	93.0	139.6
51	32.9	29.0	43.4
86	68.4	50.2	75.4



#31
Cyclohexane
Concen: 1.185 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion:	56	Resp:	10218
Ion	Ratio	Lower	Upper
56	100		
69	179.2	28.2	42.2#
84	169.4	76.6	114.8#





#33

1,2-Dichloroethane-d4

Concen: 61.681 ug/l

RT: 8.060 min Scan# 1104

Delta R.T. 0.006 min

Lab File: VY023331.D

Acq: 10 Sep 2025 14:26

Instrument :

MSVOA_Y

ClientSampleId :

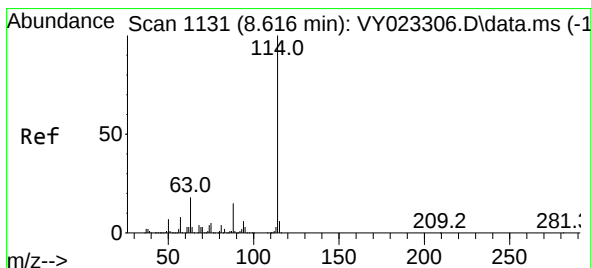
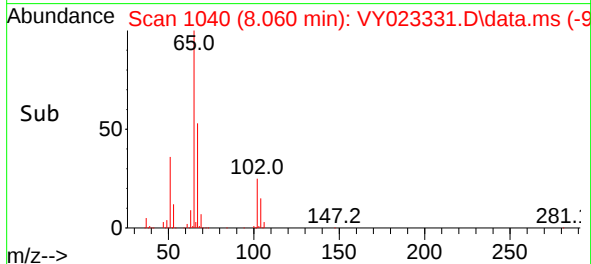
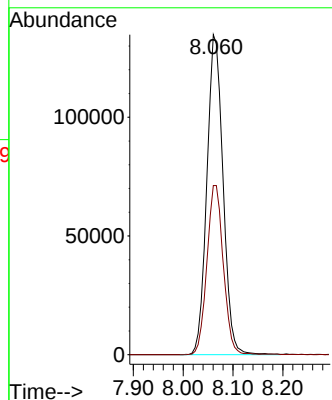
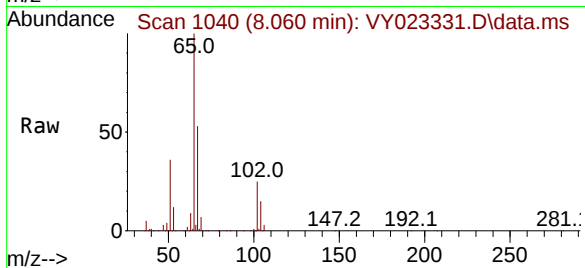
VNJ-242

Tgt Ion: 65 Resp: 303807

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023331.D

Acq: 10 Sep 2025 14:26

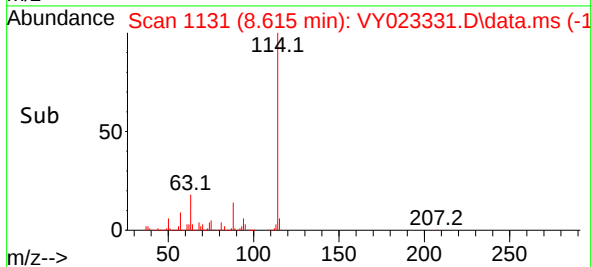
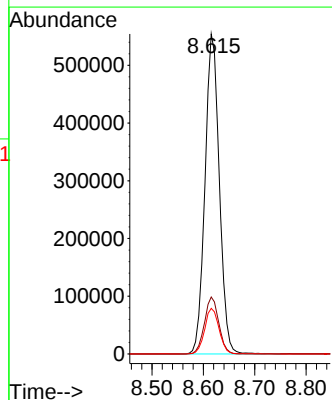
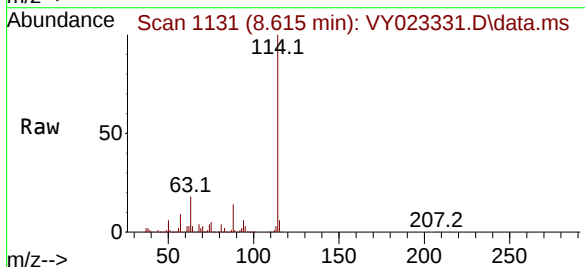
Tgt Ion: 114 Resp: 1073105

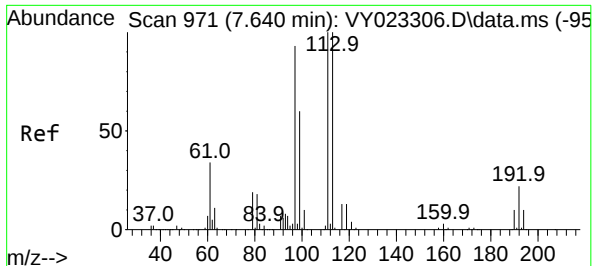
Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.3 0.0 30.0

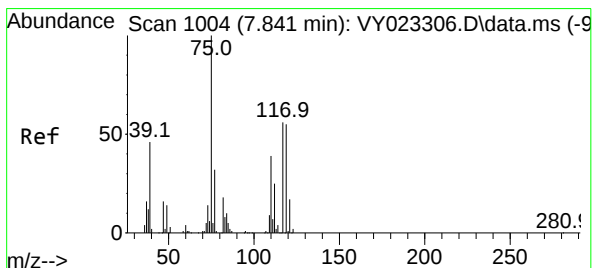
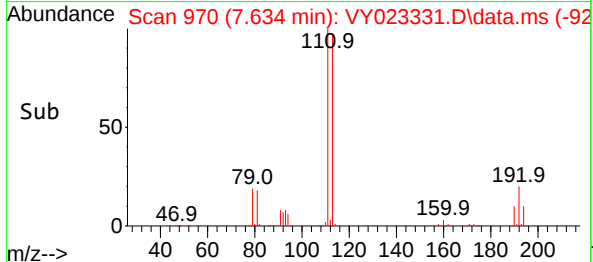
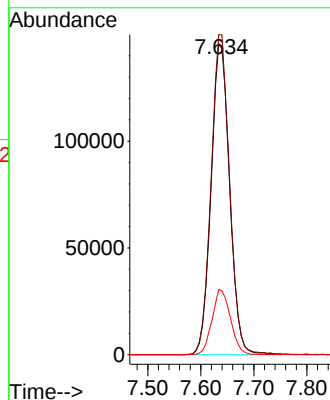
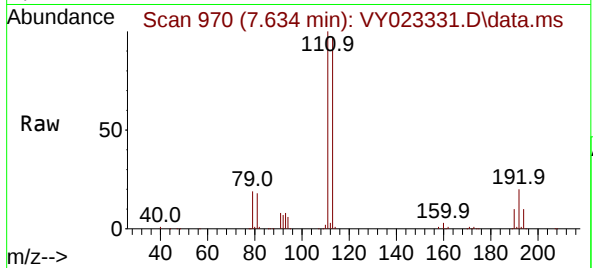




#35
Dibromofluoromethane
Concen: 53.804 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

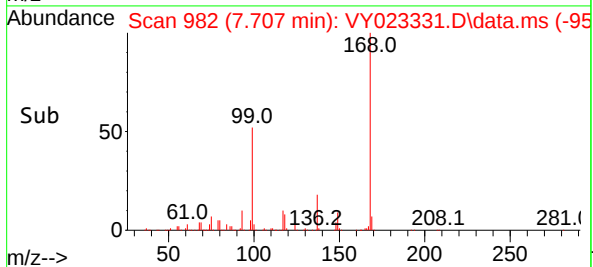
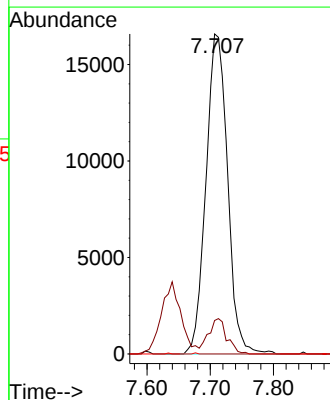
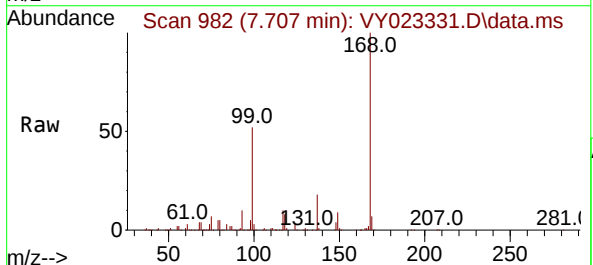
Instrument :
MSVOA_Y
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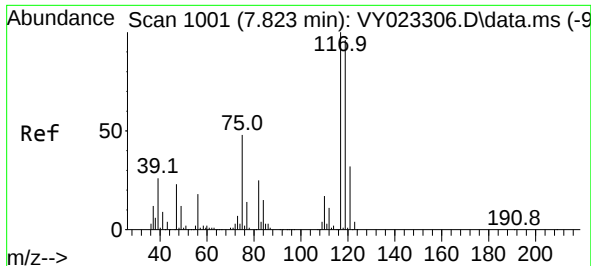
Tgt Ion:113 Resp: 352926
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 20.9 16.2 24.4



#36
1,1-Dichloropropene
Concen: 4.218 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.122 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion: 75 Resp: 39403
Ion Ratio Lower Upper
75 100
110 9.4 18.1 54.4#
77 0.0 24.6 37.0#

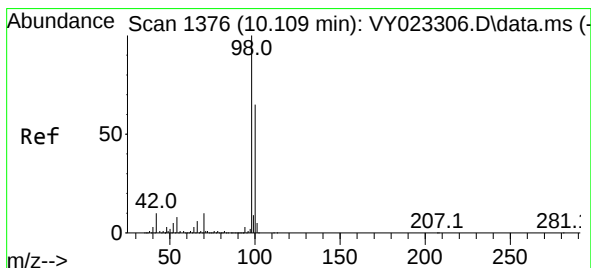
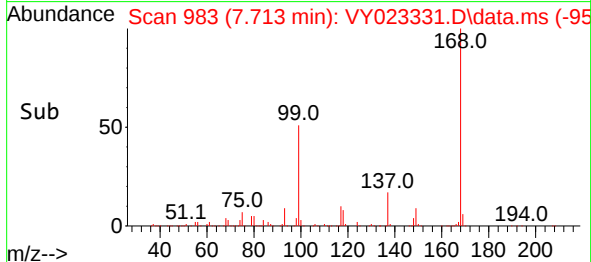
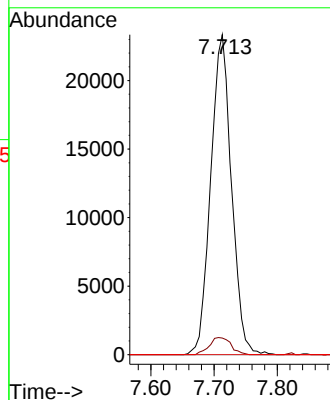
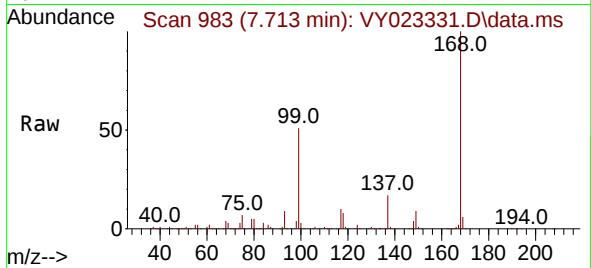




#38
Carbon Tetrachloride
Concen: 4.953 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

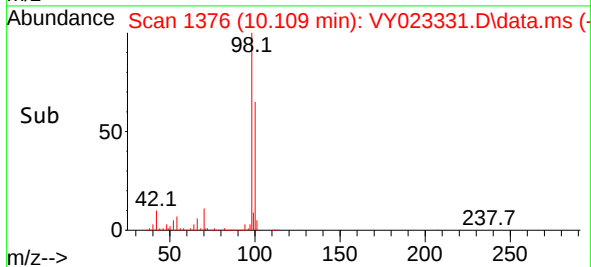
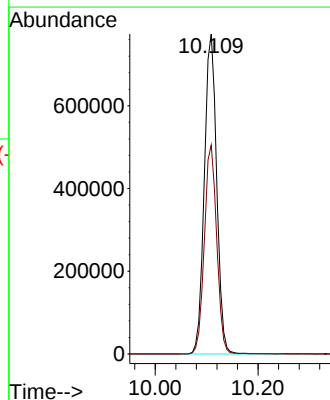
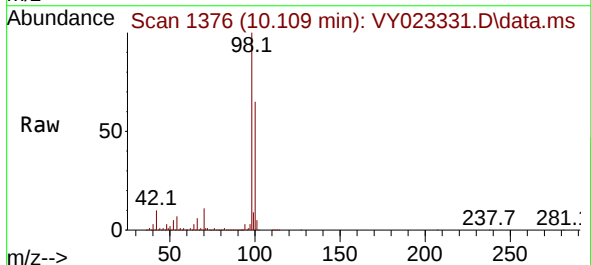
Instrument :
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ClientSampleId :
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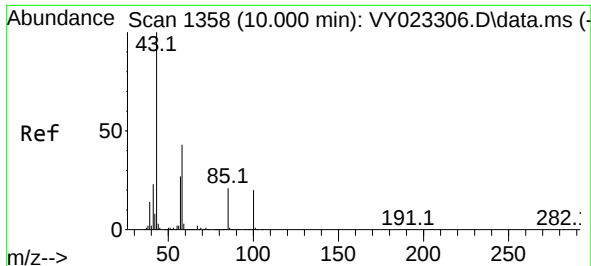
Tgt Ion:117 Resp: 53250
Ion Ratio Lower Upper
117 100
119 5.2 75.6 113.4#
121 0.0 25.8 38.8#



#50
Toluene-d8
Concen: 52.033 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion: 98 Resp: 1288815
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

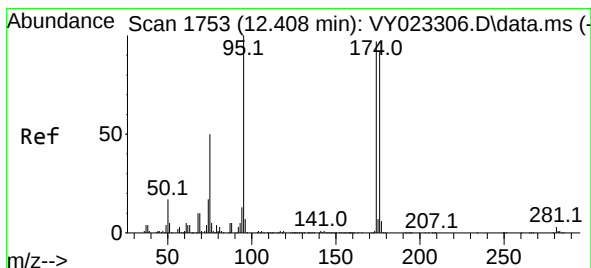
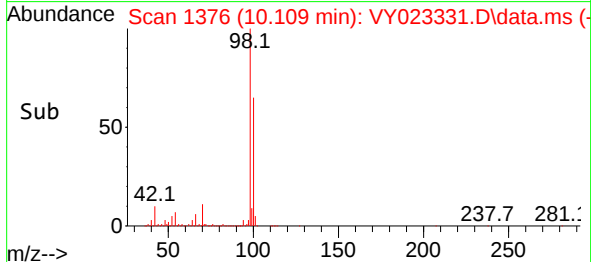
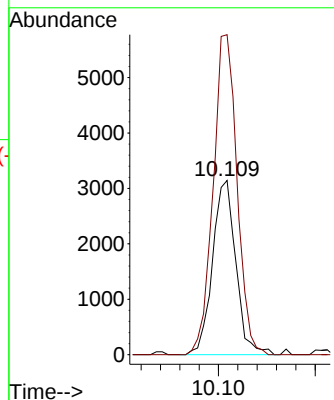
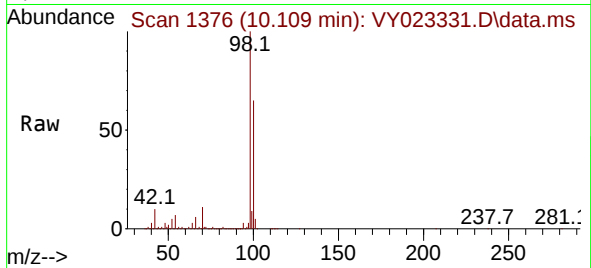




#51
4-Methyl-2-Pentanone
Concen: 1.423 ug/l
RT: 10.109 min Scan# 1358
Delta R.T. 0.116 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

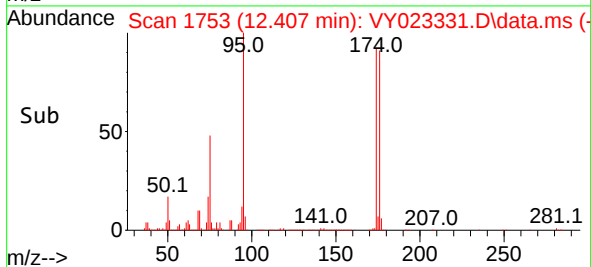
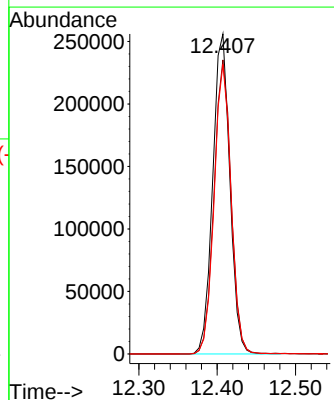
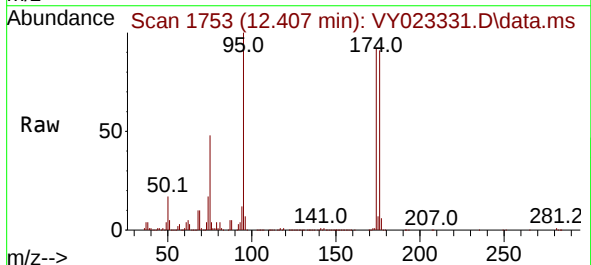
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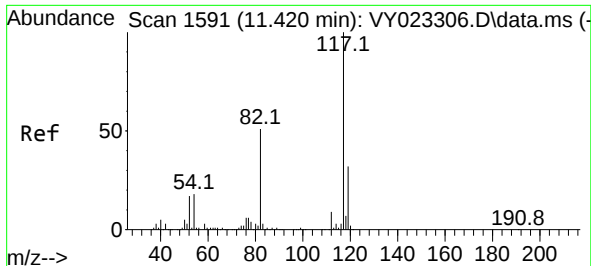
Tgt Ion: 43 Resp: 5262
Ion Ratio Lower Upper
43 100
58 188.0 33.5 50.3#



#62
4-Bromofluorobenzene
Concen: 49.854 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion: 95 Resp: 388600
Ion Ratio Lower Upper
95 100
174 91.7 0.0 171.6
176 89.3 0.0 167.6

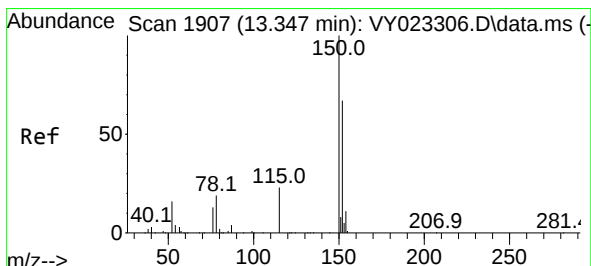
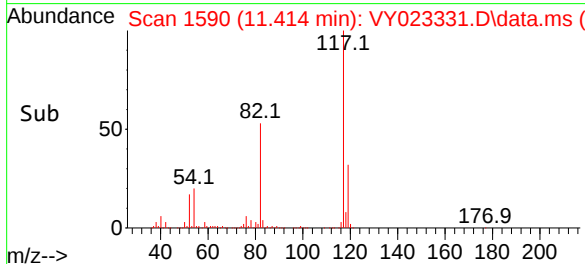
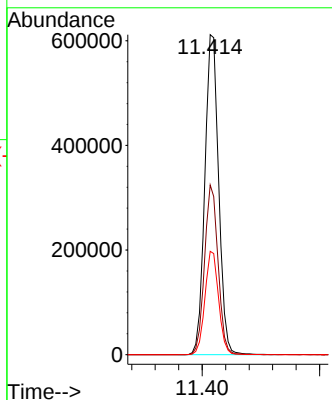
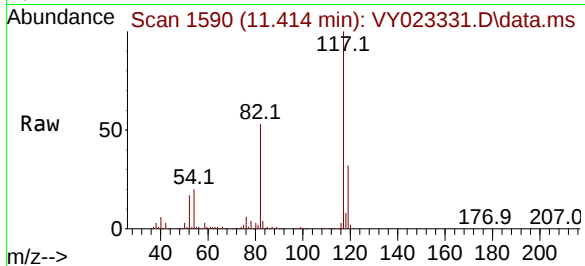




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 117
Delta R.T. 0.006 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

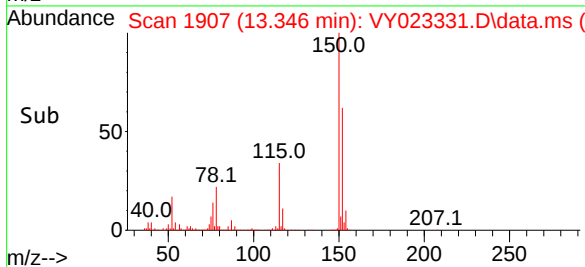
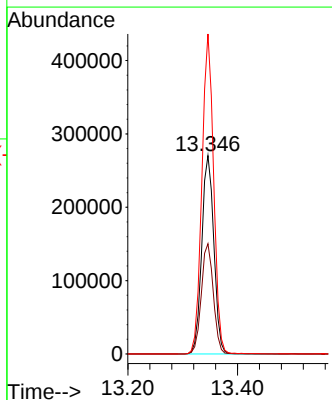
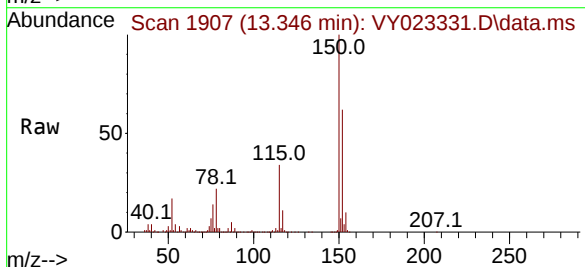
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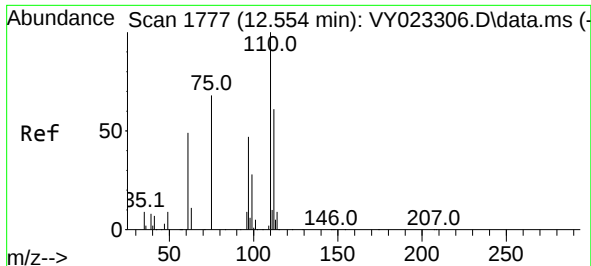
Tgt Ion:117 Resp: 1000788
Ion Ratio Lower Upper
117 100
82 53.1 43.4 65.0
119 32.3 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion:152 Resp: 412921
Ion Ratio Lower Upper
152 100
115 55.3 28.2 84.6
150 156.7 0.0 348.0

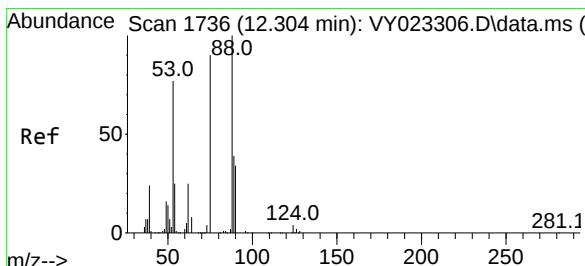
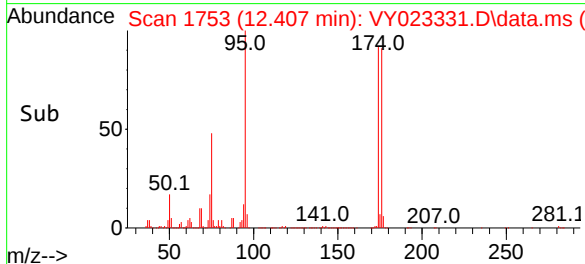
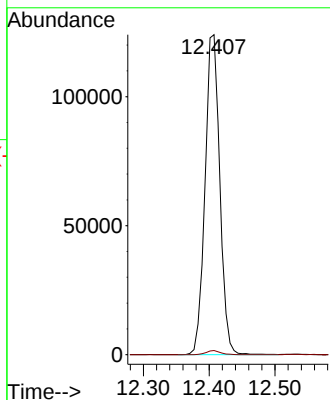
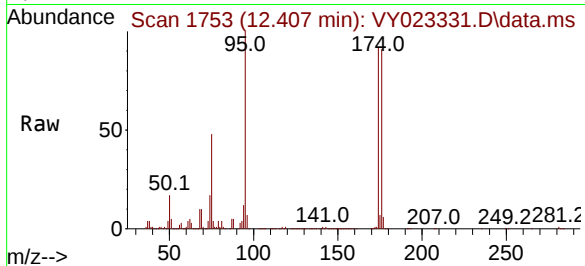




#76
1,2,3-Trichloropropane
Concen: 46.341 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.140 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Instrument :
MSVOA_Y
ClientSampleId :
VNJ-242

Tgt Ion: 75 Resp: 193779
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 126.376 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.109 min
Lab File: VY023331.D
Acq: 10 Sep 2025 14:26

Tgt Ion: 75 Resp: 193779
Ion Ratio Lower Upper
75 100
53 0.1 70.8 106.2#
89 0.0 38.1 57.1#

