

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY103125\
 Data File : VY023643.D
 Acq On : 31 Oct 2025 14:38
 Operator : SY/MD
 Sample : Q3515-01
 Misc : 5.81g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-103125

Quant Time: Nov 01 03:23:38 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	805027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1334180	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1062728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	373554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333578	49.553	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.100%
35) Dibromofluoromethane	7.634	113	403097	49.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.340%
50) Toluene-d8	10.109	98	1487887	48.736	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.480%
62) 4-Bromofluorobenzene	12.408	95	411333	40.809	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	81.620%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	1724	1.076	ug/l #	71
20) Methylene Chloride	4.616	84	23631	2.727	ug/l	94
31) Cyclohexane	7.707	56	13138	1.173	ug/l #	1
36) 1,1-Dichloropropene	7.707	75	52166	4.807	ug/l #	47
38) Carbon Tetrachloride	7.707	117	73245	5.566	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	202009	61.294	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	202009	150.304	ug/l #	15

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

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Response via : Initial Calibration

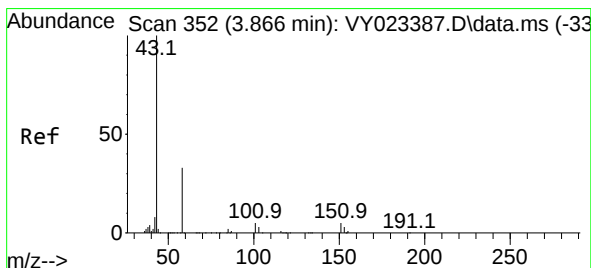
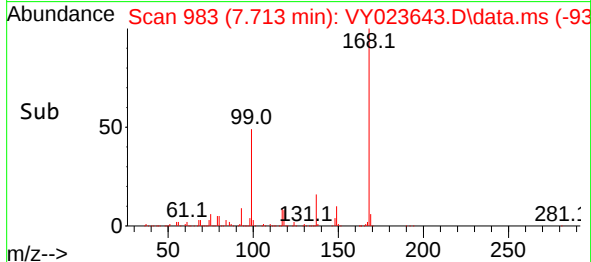
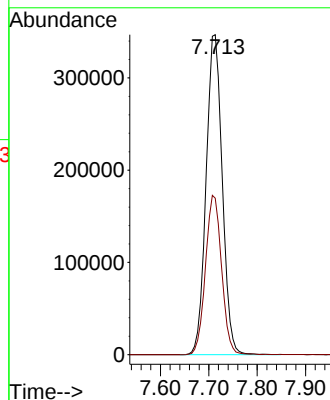
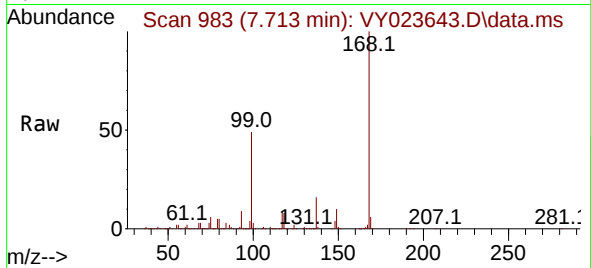




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

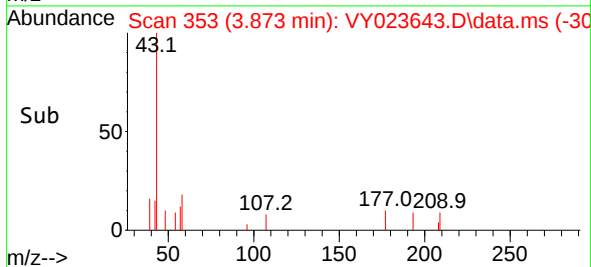
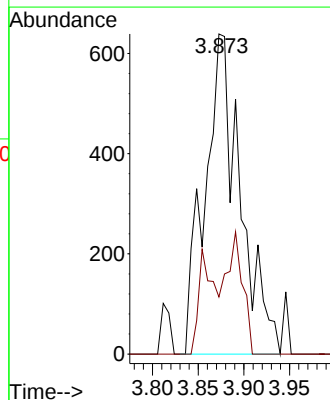
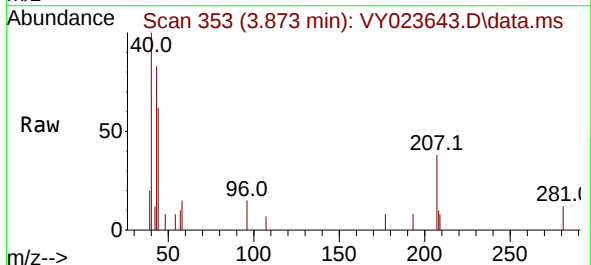
Instrument :
MSVOA_Y
ClientSampleId :
SU-04-103125

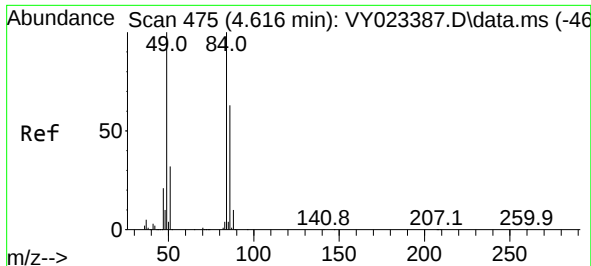
Tgt Ion:168 Resp: 805027
Ion Ratio Lower Upper
168 100
99 48.9 39.7 59.5



#16
Acetone
Concen: 1.076 ug/l
RT: 3.873 min Scan# 353
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion: 43 Resp: 1724
Ion Ratio Lower Upper
43 100
58 17.8 27.7 41.5#

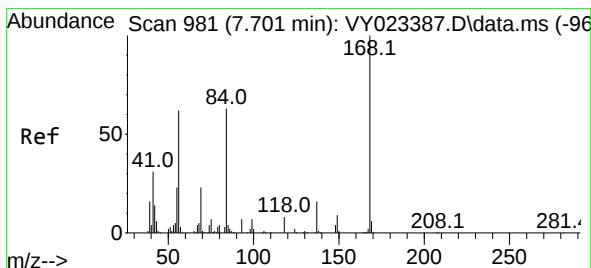
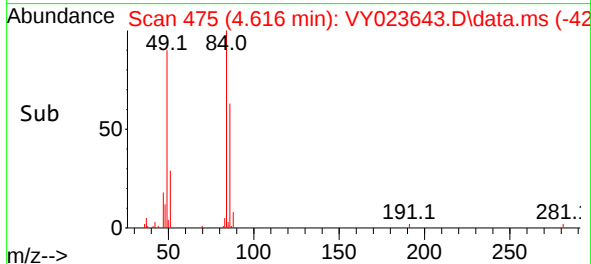
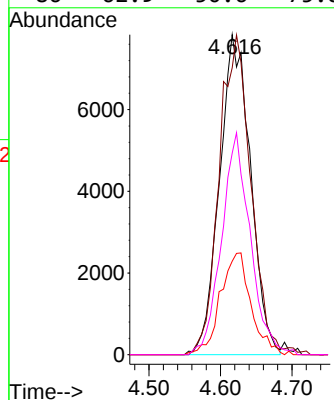
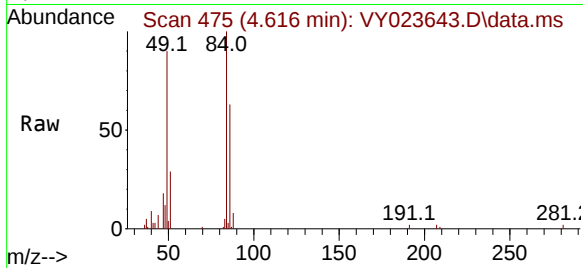




#20
Methylene Chloride
Concen: 2.727 ug/l
RT: 4.616 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

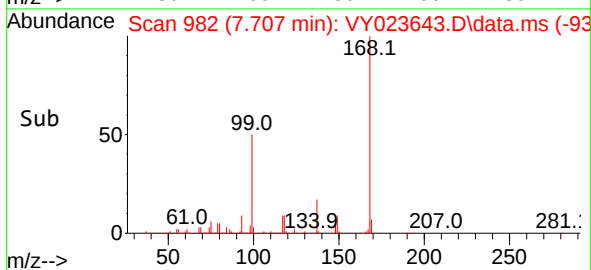
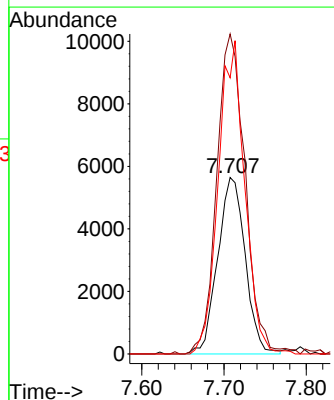
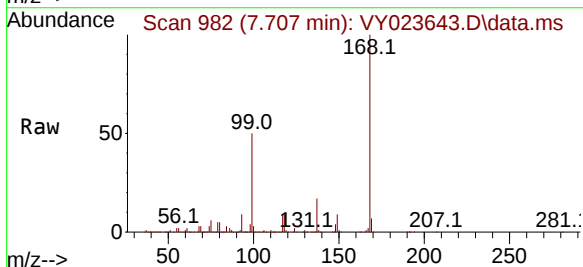
Instrument :
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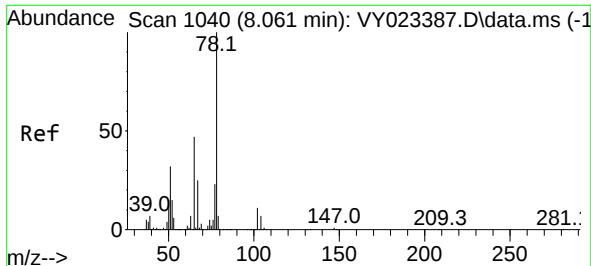
Tgt Ion:	84	Resp:	23631
Ion	Ratio	Lower	Upper
84	100		
49	89.6	80.2	120.4
51	29.2	25.9	38.9
86	62.9	50.6	75.8



#31
Cyclohexane
Concen: 1.173 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion:	56	Resp:	13138
Ion	Ratio	Lower	Upper
56	100		
69	181.4	30.0	45.0#
84	156.5	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 49.553 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.000 min

Lab File: VY023643.D

Acq: 31 Oct 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

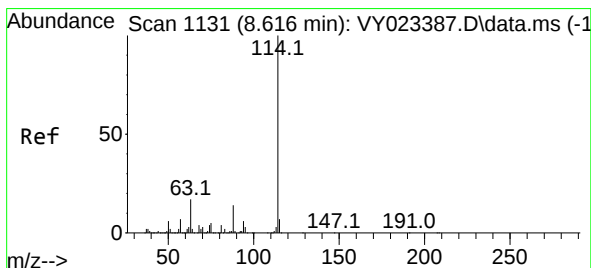
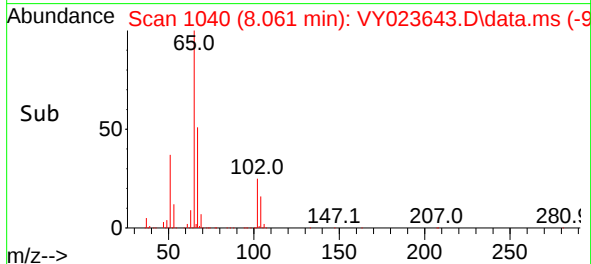
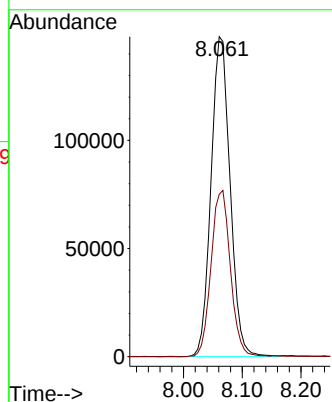
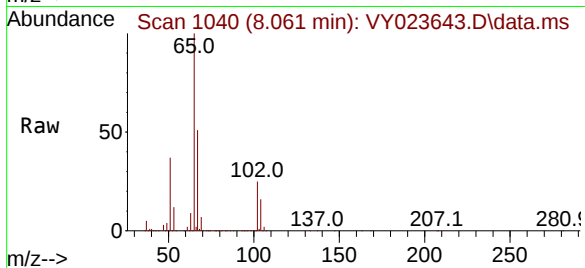
SU-04-103125

Tgt Ion: 65 Resp: 333578

Ion Ratio Lower Upper

65 100

67 52.7 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: VY023643.D

Acq: 31 Oct 2025 14:38

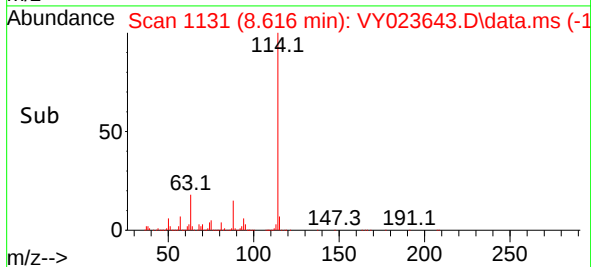
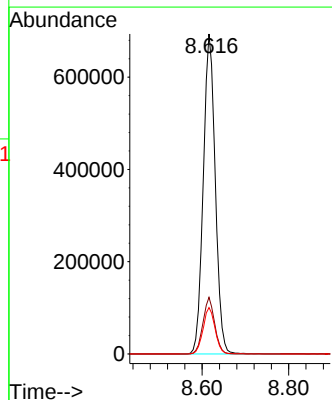
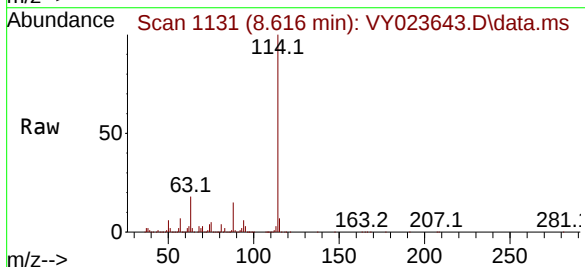
Tgt Ion: 114 Resp: 1334180

Ion Ratio Lower Upper

114 100

63 17.7 0.0 34.2

88 14.5 0.0 28.4

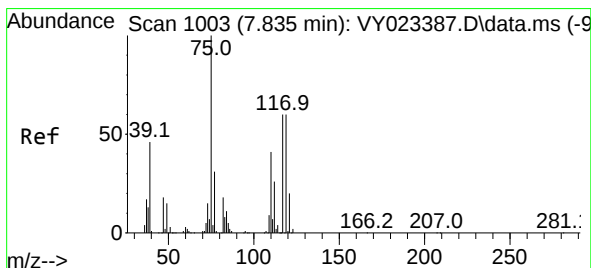
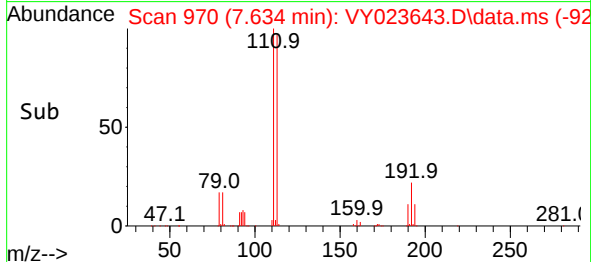
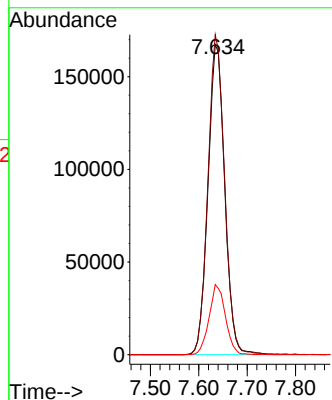
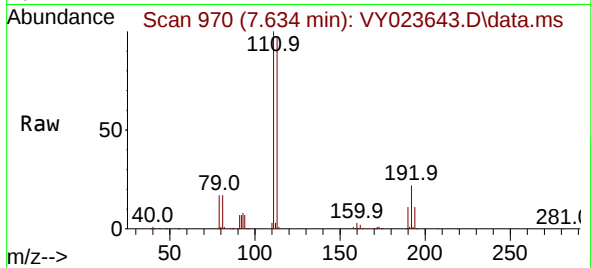




#35
Dibromofluoromethane
Concen: 49.171 ug/l
RT: 7.634 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

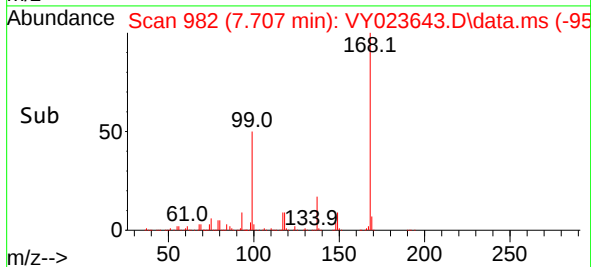
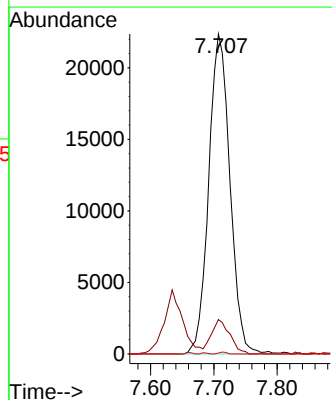
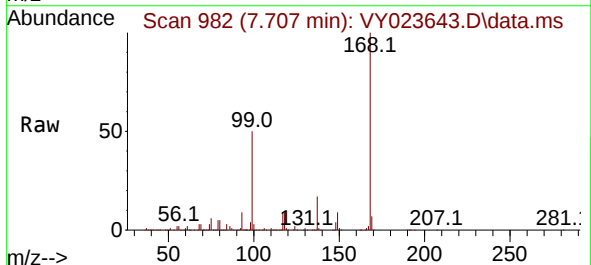
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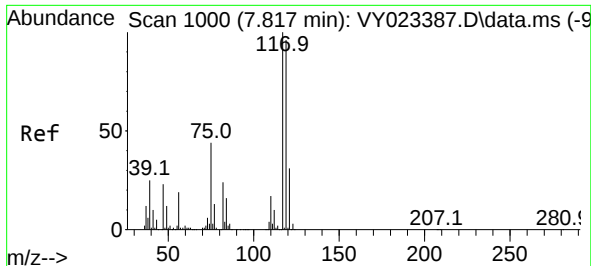
Tgt Ion:113 Resp: 403097
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.6
192 22.0 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.807 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.128 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion: 75 Resp: 52166
Ion Ratio Lower Upper
75 100
110 9.3 19.9 59.7#
77 0.2 25.0 37.6#

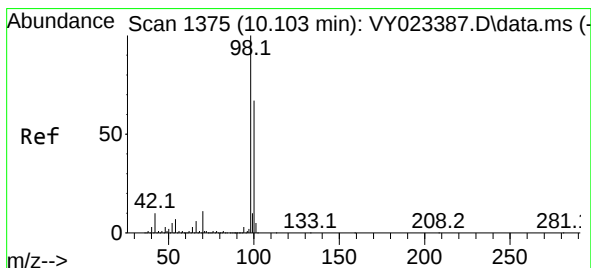
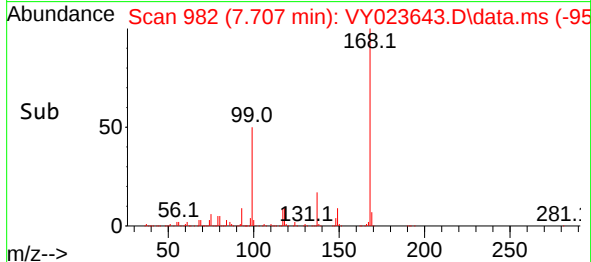
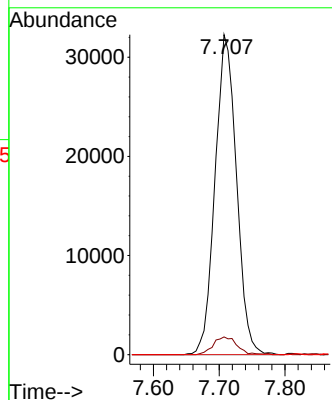
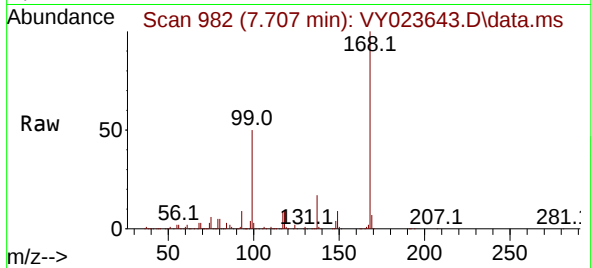




#38
Carbon Tetrachloride
Concen: 5.566 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

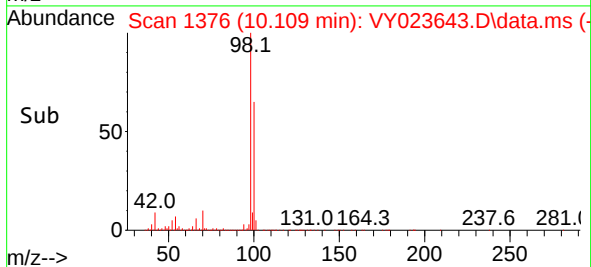
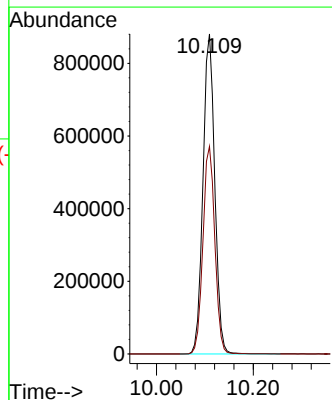
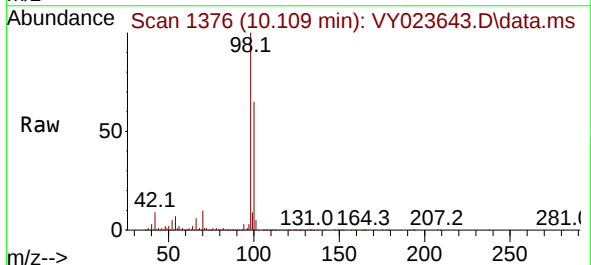
Instrument :
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ClientSampleId :
SU-04-103125

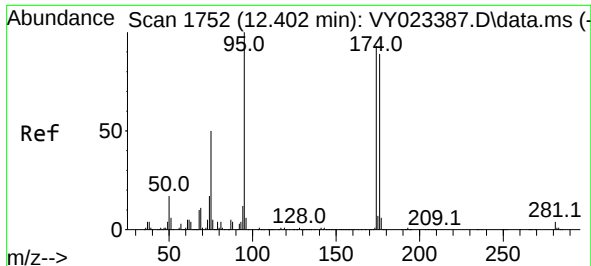
Tgt Ion:117 Resp: 73245
Ion Ratio Lower Upper
117 100
119 5.5 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 48.736 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion: 98 Resp: 1487887
Ion Ratio Lower Upper
98 100
100 65.6 53.0 79.4

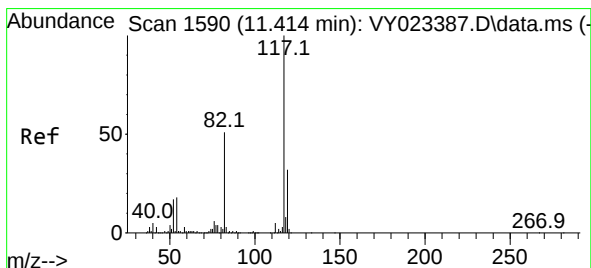
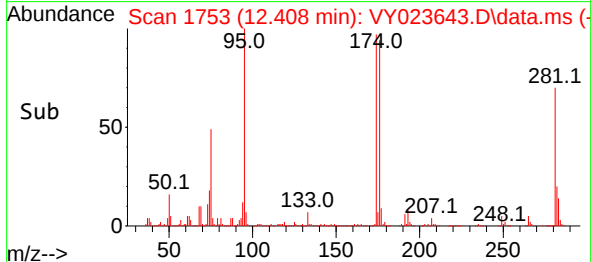
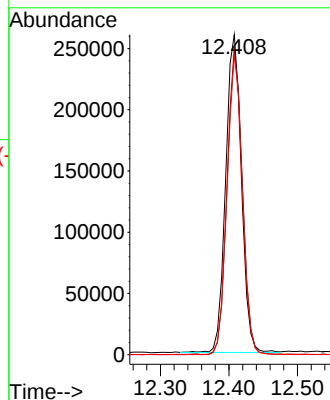
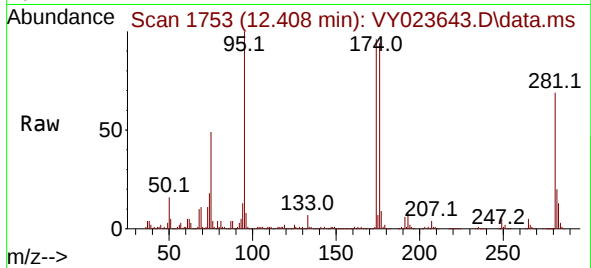




#62
4-Bromofluorobenzene
Concen: 40.809 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

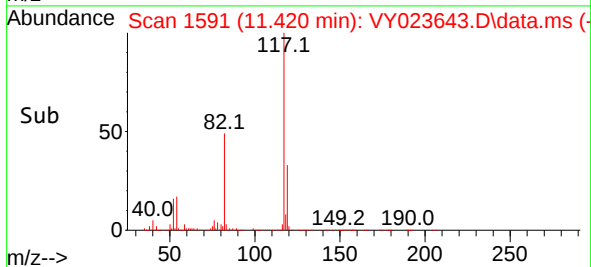
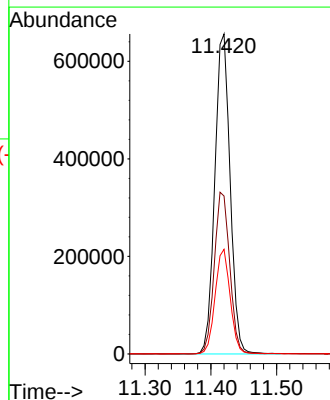
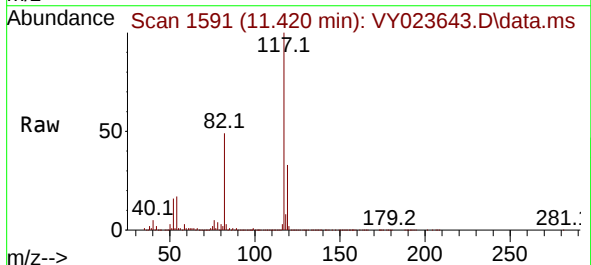
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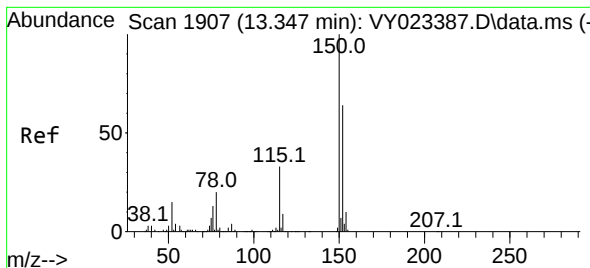
Tgt Ion: 95 Resp: 411333
Ion Ratio Lower Upper
95 100
174 94.1 0.0 192.8
176 92.2 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023643.D
Acq: 31 Oct 2025 14:38

Tgt Ion: 117 Resp: 1062728
Ion Ratio Lower Upper
117 100
82 49.3 41.0 61.4
119 32.6 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: VY023643.D

Acq: 31 Oct 2025 14:38

Instrument :

MSVOA_Y

ClientSampleId :

SU-04-103125

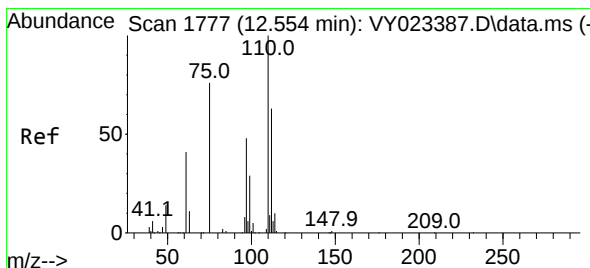
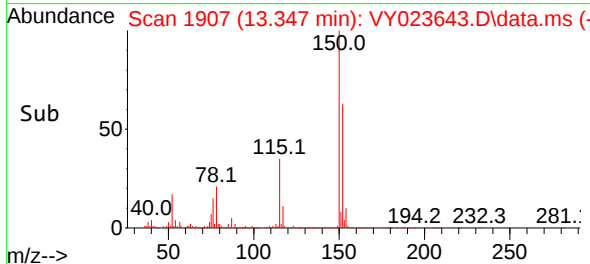
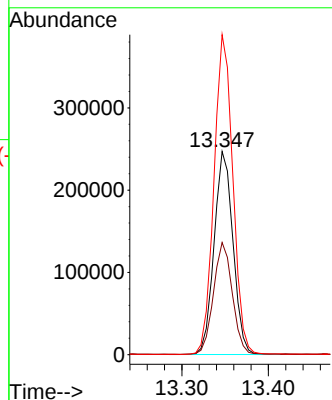
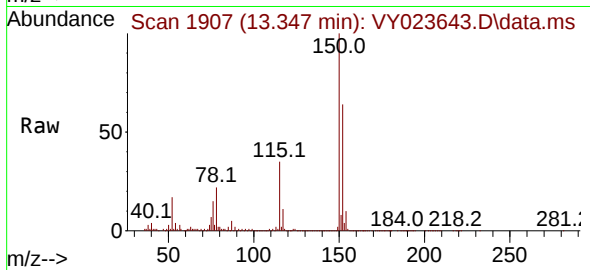
Tgt Ion:152 Resp: 373554

Ion Ratio Lower Upper

152 100

115 55.0 27.1 81.2

150 157.5 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 61.294 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023643.D

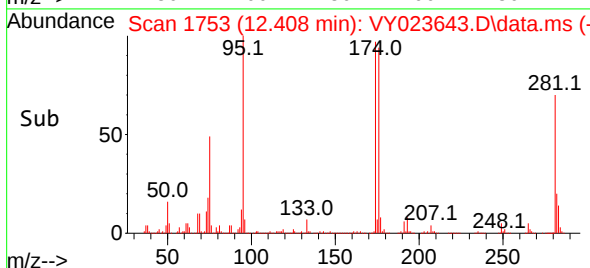
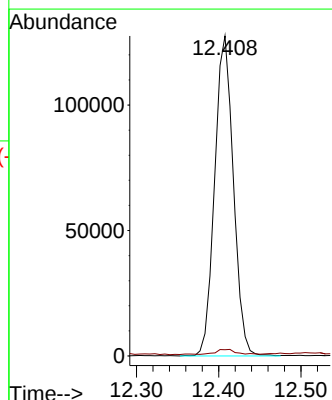
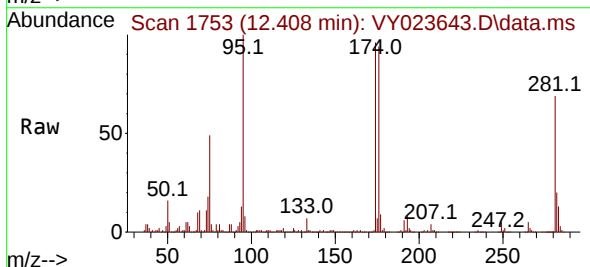
Acq: 31 Oct 2025 14:38

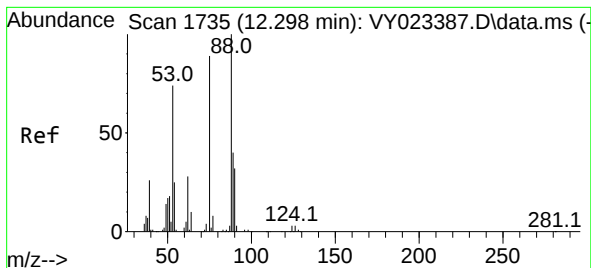
Tgt Ion: 75 Resp: 202009

Ion Ratio Lower Upper

75 100

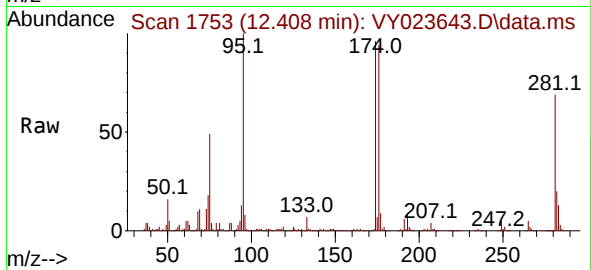
77 1.7 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 150.304 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023643.D
 Acq: 31 Oct 2025 14:38

Instrument :
 MSVOA_Y
 ClientSampleId :
 SU-04-103125



Tgt Ion: 75 Resp: 202009
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 1.2 39.0 58.4#

