

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111025\
 Data File : VY023723.D
 Acq On : 10 Nov 2025 18:29
 Operator : SY/MD
 Sample : Q3597-07
 Misc : 5.91g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-3

Quant Time: Nov 11 02:11:15 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)

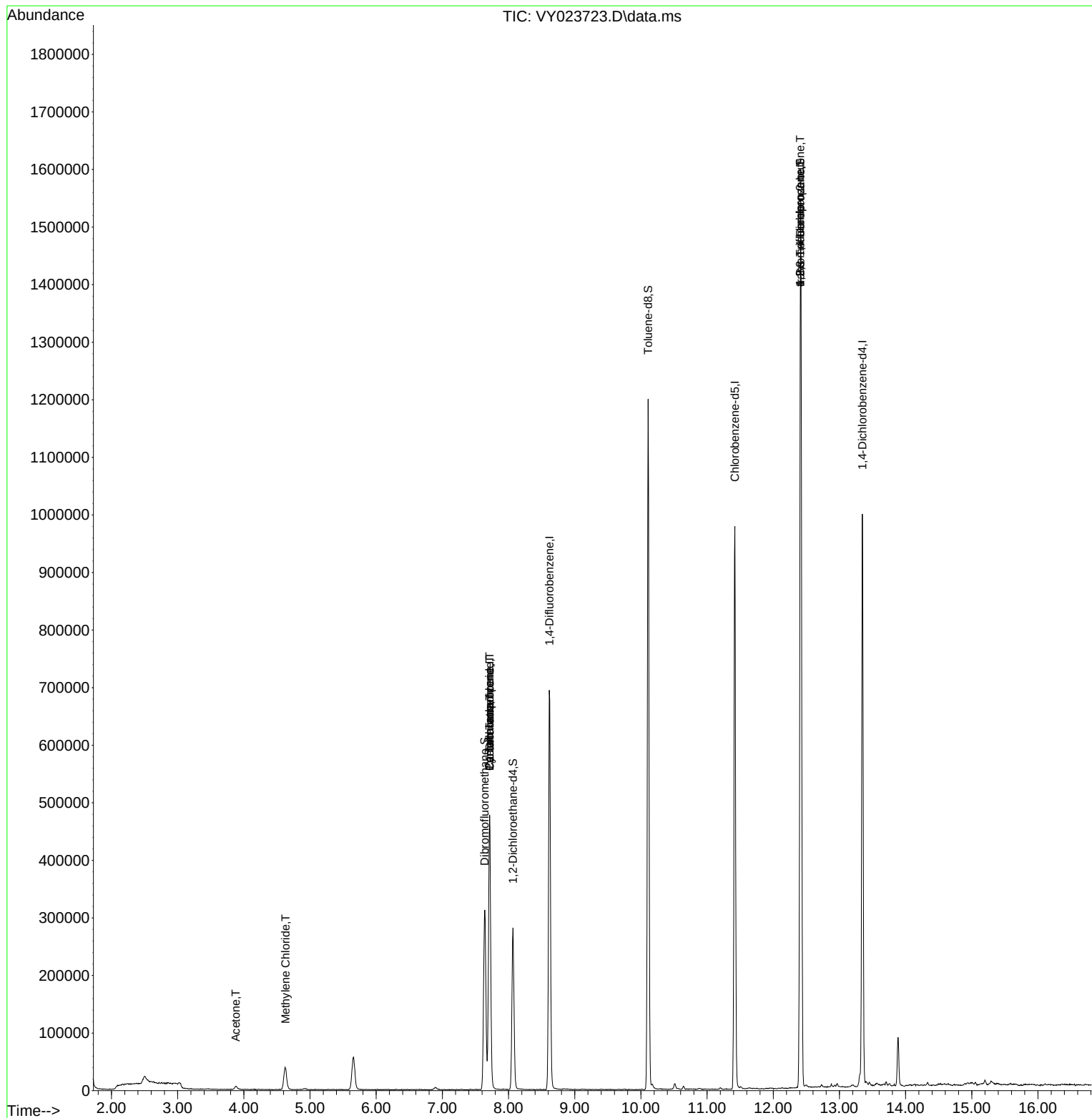
Internal Standards						
1) Pentafluorobenzene	7.713	168	396119	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	639027	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	567717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	265996	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	213119	64.340	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.680%	
35) Dibromofluoromethane	7.640	113	232053	59.099	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.200%	
50) Toluene-d8	10.109	98	798281	54.592	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 109.180%	
62) 4-Bromofluorobenzene	12.408	95	253201	52.448	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.900%	
Target Compounds						
					Qvalue	
16) Acetone	3.879	43	10021	12.708	ug/l #	84
20) Methylene Chloride	4.629	84	30935	7.255	ug/l	99
31) Cyclohexane	7.713	56	6862	1.245	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	25770	4.957	ug/l #	47
38) Carbon Tetrachloride	7.713	117	36389	5.773	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	130421	55.574	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	130421	136.278	ug/l #	16

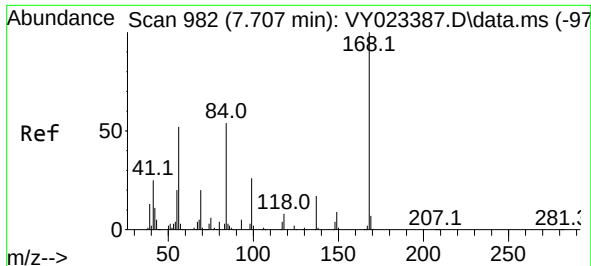
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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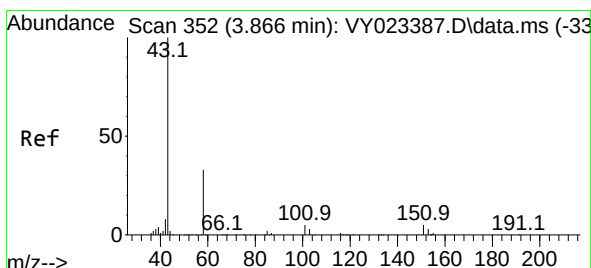
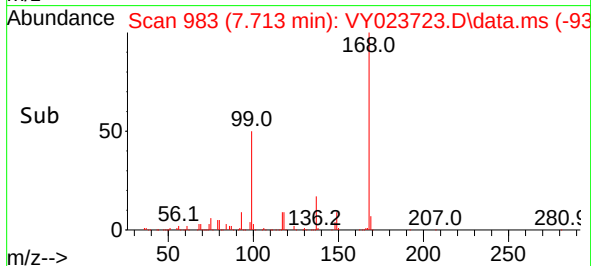
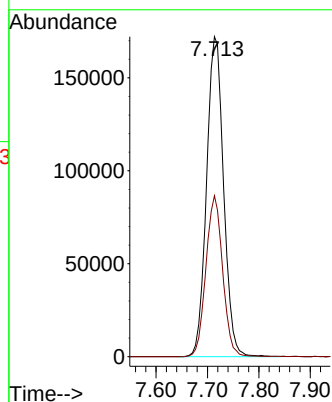
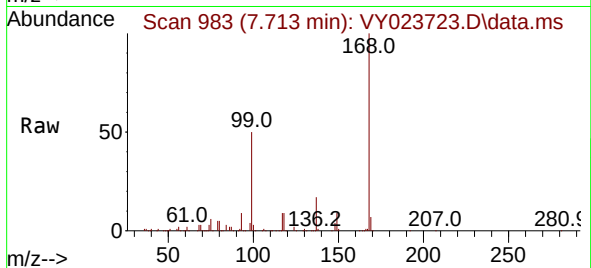




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

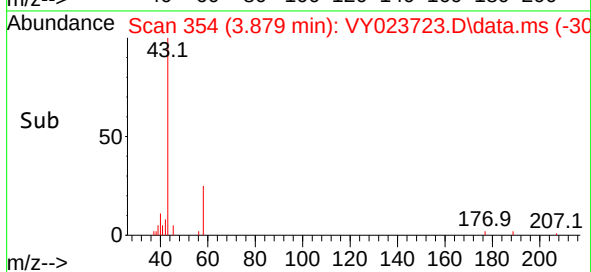
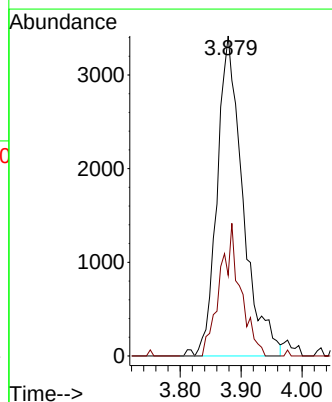
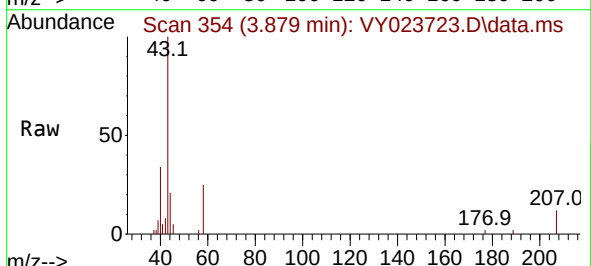
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

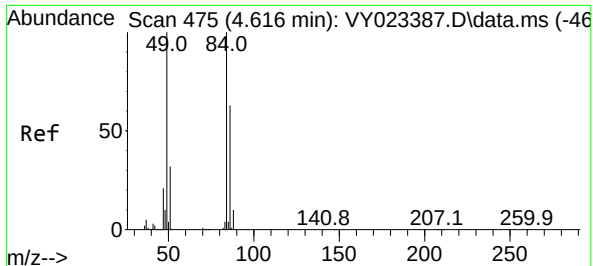
Tgt Ion:168 Resp: 396119
Ion Ratio Lower Upper
168 100
99 50.3 39.7 59.5



#16
Acetone
Concen: 12.708 ug/l
RT: 3.879 min Scan# 354
Delta R.T. 0.012 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

Tgt Ion: 43 Resp: 10021
Ion Ratio Lower Upper
43 100
58 25.2 27.7 41.5#

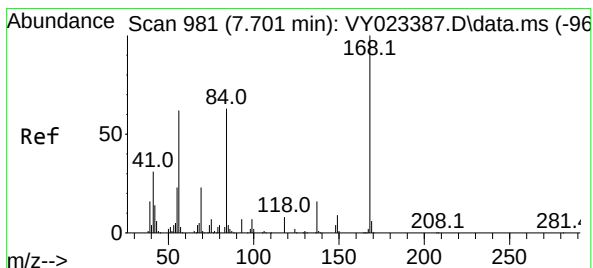
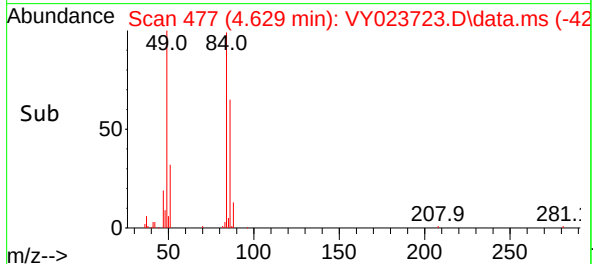
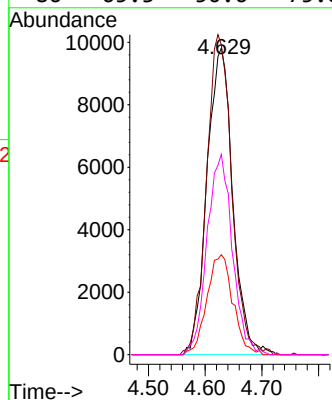
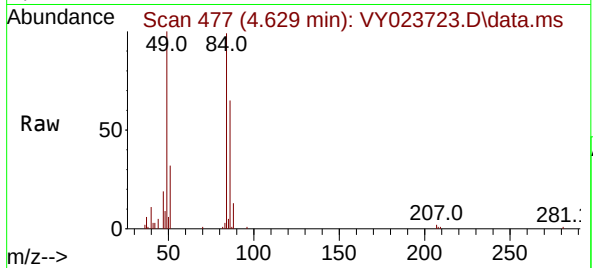




#20
Methylene Chloride
Concen: 7.255 ug/l
RT: 4.629 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

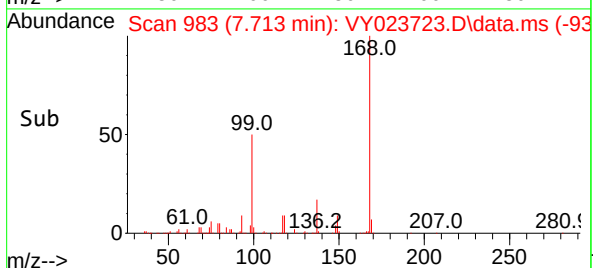
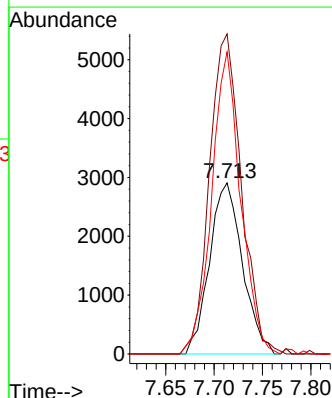
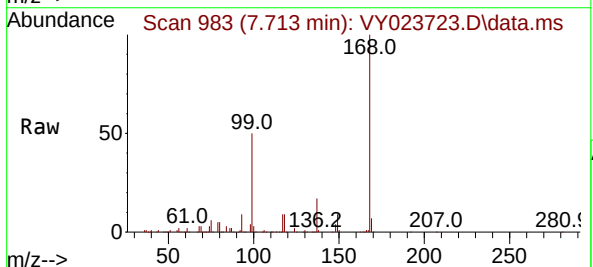
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

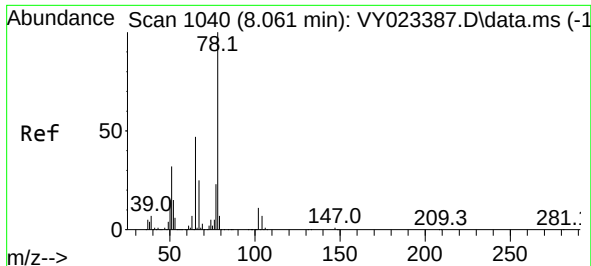
Tgt Ion:	84	Resp:	30935
Ion	Ratio	Lower	Upper
84	100		
49	101.1	80.2	120.4
51	32.6	25.9	38.9
86	65.3	50.6	75.8



#31
Cyclohexane
Concen: 1.245 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

Tgt Ion:	56	Resp:	6862
Ion	Ratio	Lower	Upper
56	100		
69	187.1	30.0	45.0#
84	176.7	81.2	121.8#





#33

1,2-Dichloroethane-d4

Concen: 64.340 ug/l

RT: 8.067 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023723.D

Acq: 10 Nov 2025 18:29

Instrument :

MSVOA_Y

ClientSampleId :

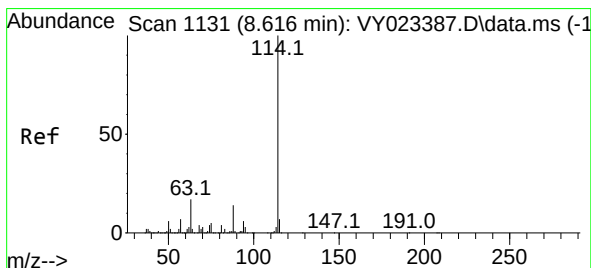
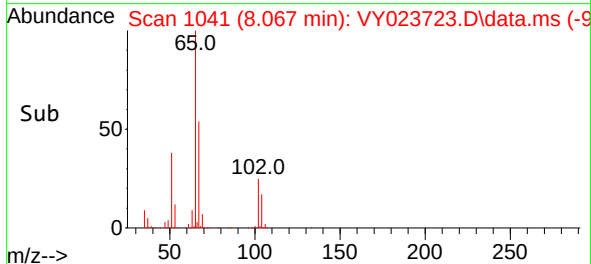
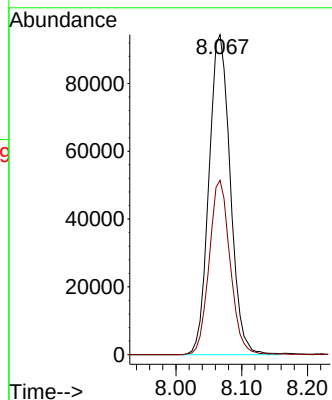
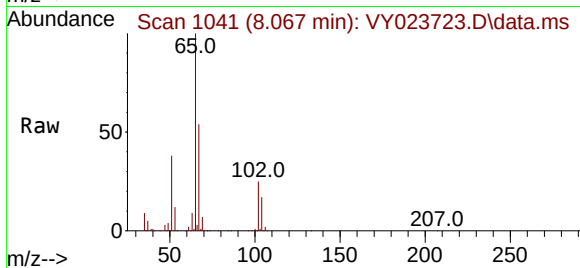
TP-3

Tgt Ion: 65 Resp: 213119

Ion Ratio Lower Upper

65 100

67 53.6 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: VY023723.D

Acq: 10 Nov 2025 18:29

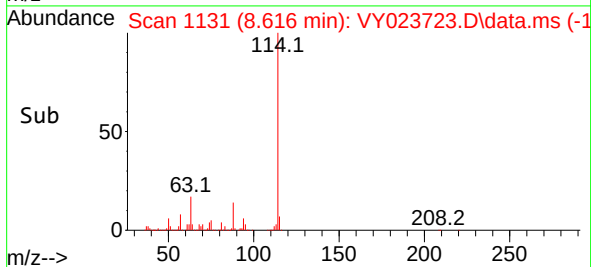
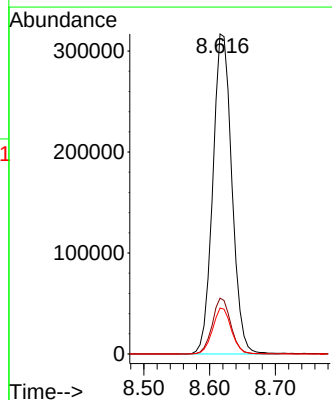
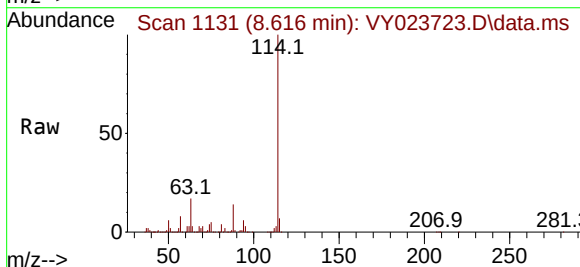
Tgt Ion:114 Resp: 639027

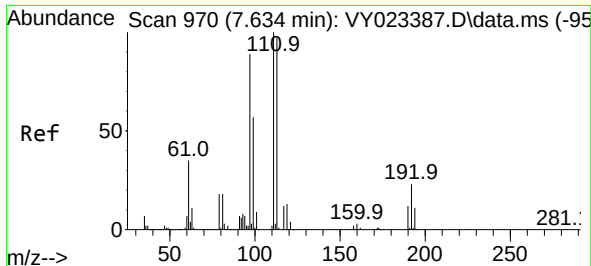
Ion Ratio Lower Upper

114 100

63 17.5 0.0 34.2

88 14.3 0.0 28.4

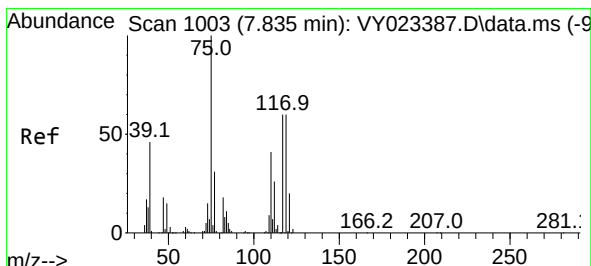
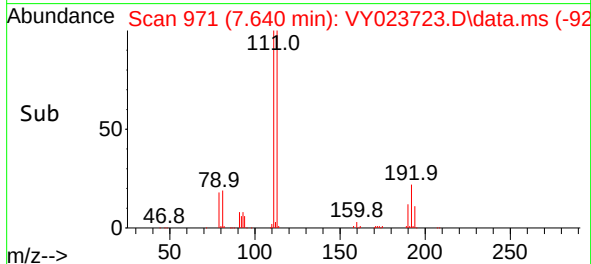
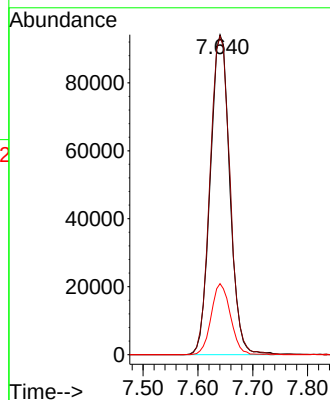
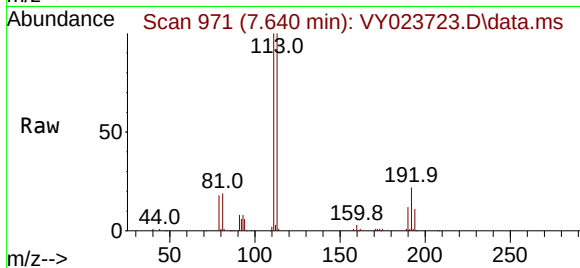




#35
Dibromofluoromethane
Concen: 59.099 ug/l
RT: 7.640 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

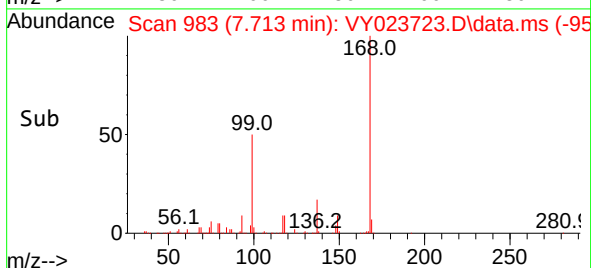
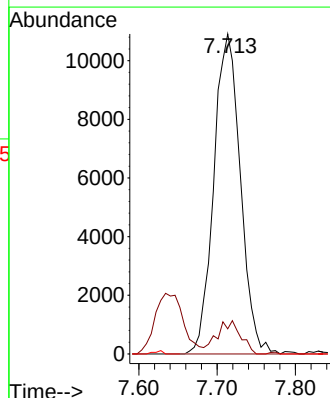
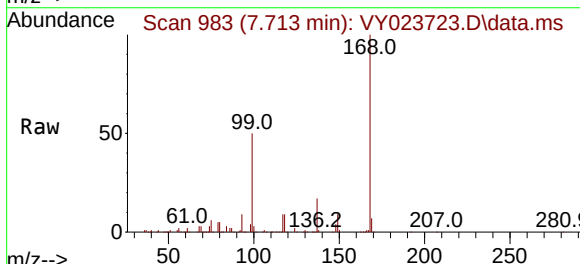
Instrument :
MSVOA_Y
ClientSampleId :
TP-3

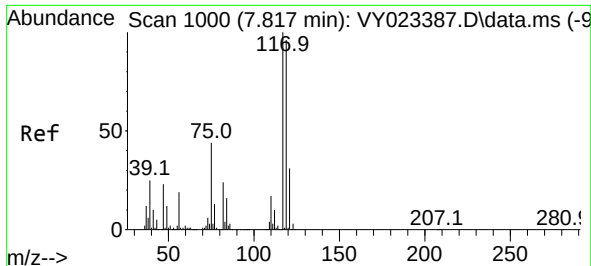
Tgt Ion:113 Resp: 232053
Ion Ratio Lower Upper
113 100
111 101.7 81.8 122.6
192 21.9 18.0 27.0



#36
1,1-Dichloropropene
Concen: 4.957 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

Tgt Ion: 75 Resp: 25770
Ion Ratio Lower Upper
75 100
110 9.2 19.9 59.7#
77 0.0 25.0 37.6#

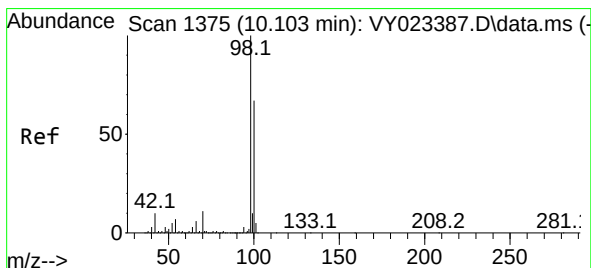
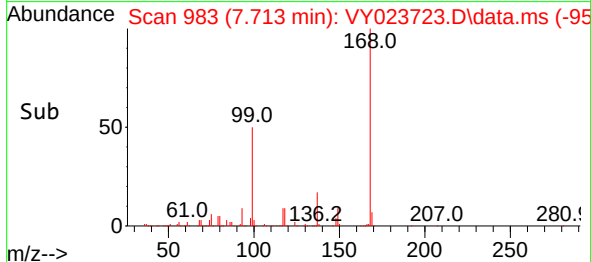
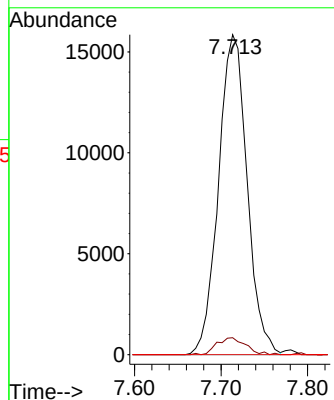
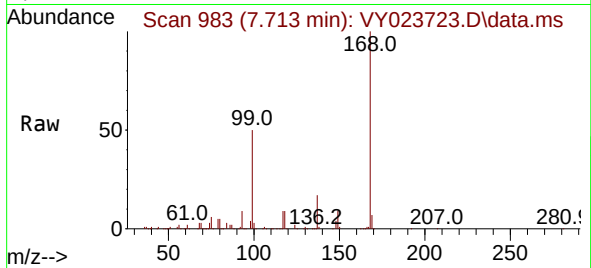




#38
Carbon Tetrachloride
Concen: 5.773 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

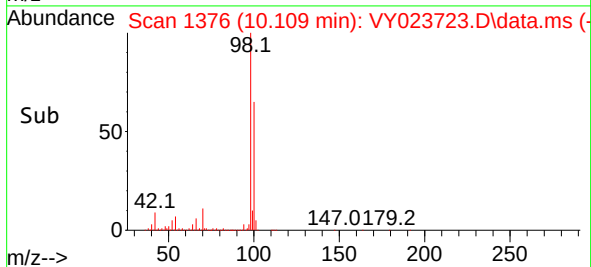
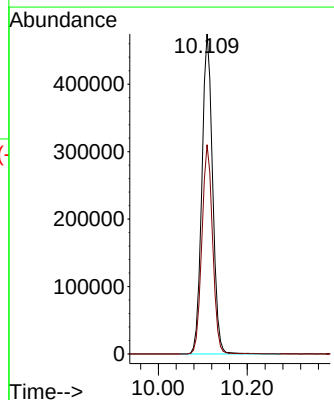
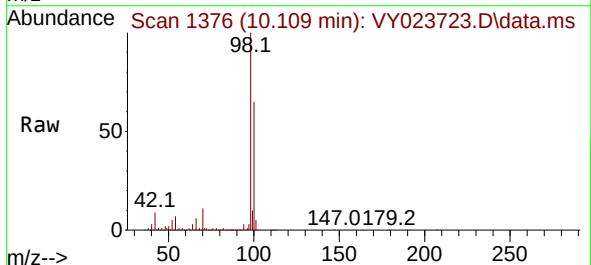
Instrument :
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ClientSampleId :
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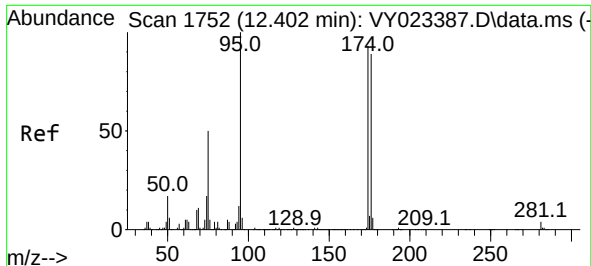
Tgt Ion:117 Resp: 36389
Ion Ratio Lower Upper
117 100
119 5.3 76.8 115.2#
121 0.0 24.5 36.7#



#50
Toluene-d8
Concen: 54.592 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

Tgt Ion: 98 Resp: 798281
Ion Ratio Lower Upper
98 100
100 65.3 53.0 79.4

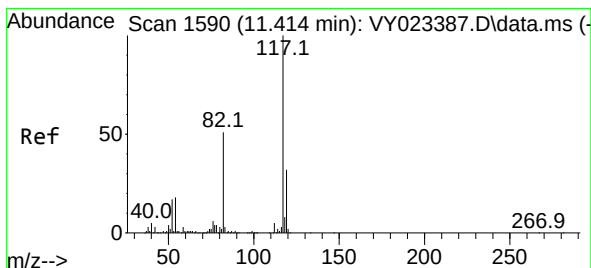
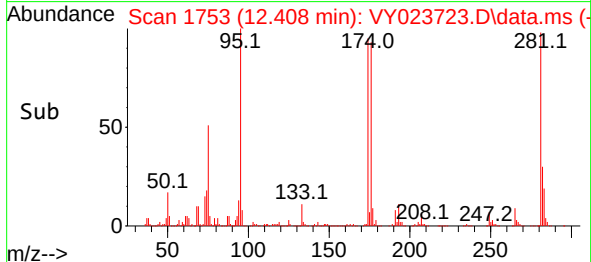
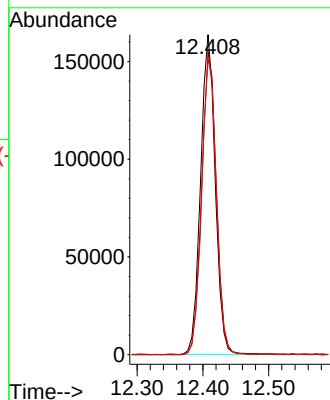
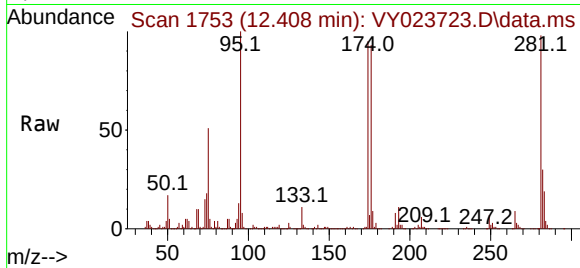




#62
4-Bromofluorobenzene
Concen: 52.448 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

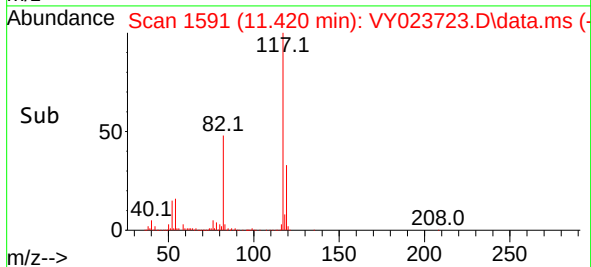
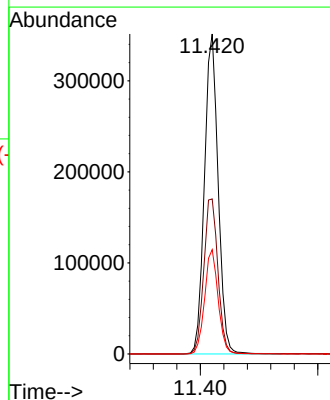
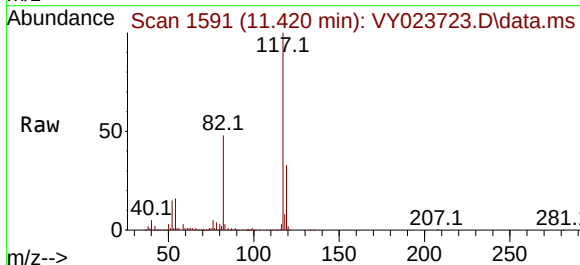
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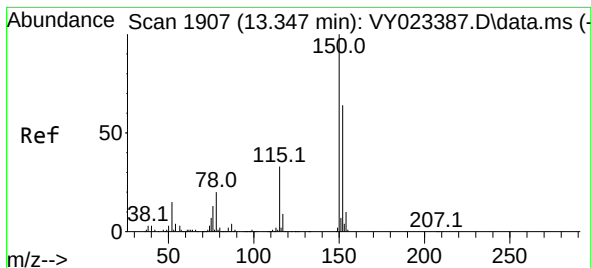
Tgt Ion: 95 Resp: 253201
Ion Ratio Lower Upper
95 100
174 95.4 0.0 192.8
176 93.7 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

Tgt Ion: 117 Resp: 567717
Ion Ratio Lower Upper
117 100
82 48.5 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: VY023723.D

Acq: 10 Nov 2025 18:29

Instrument :

MSVOA_Y

ClientSampleId :

TP-3

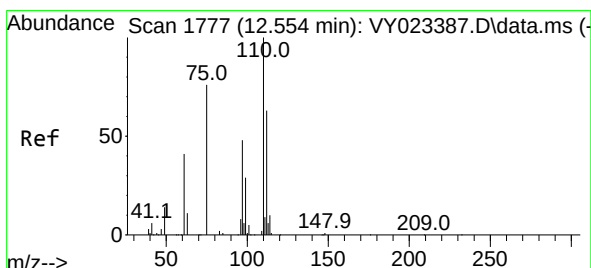
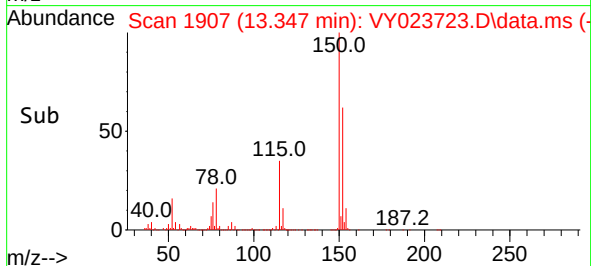
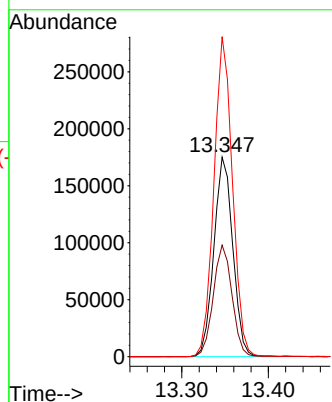
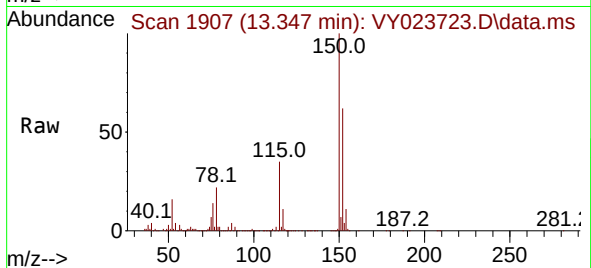
Tgt Ion:152 Resp: 265996

Ion Ratio Lower Upper

152 100

115 55.6 27.1 81.2

150 157.0 0.0 347.4



#76

1,2,3-Trichloropropane

Concen: 55.574 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.146 min

Lab File: VY023723.D

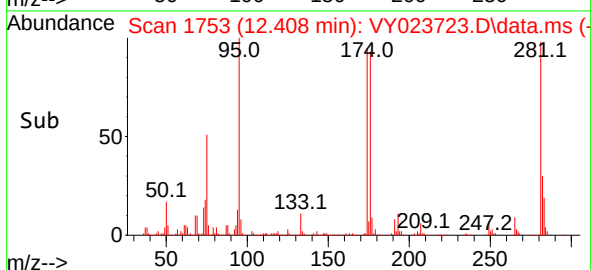
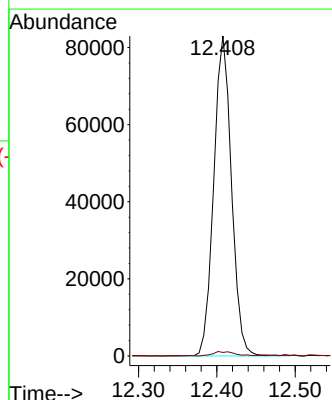
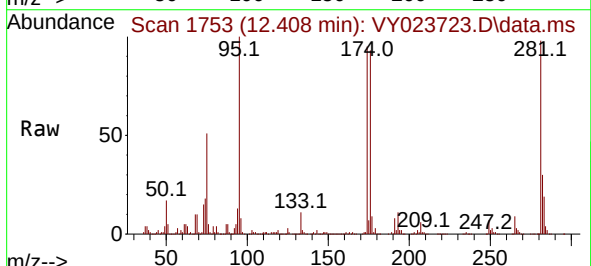
Acq: 10 Nov 2025 18:29

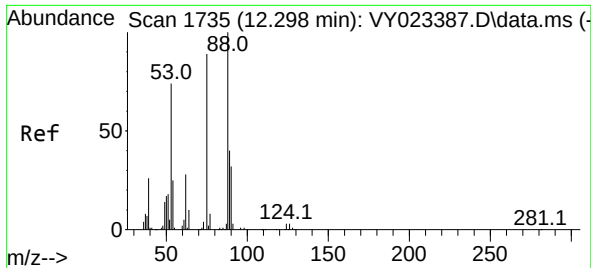
Tgt Ion: 75 Resp: 130421

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 136.278 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY023723.D
Acq: 10 Nov 2025 18:29

Instrument :
MSVOA_Y
ClientSampleId :
TP-3

Tgt Ion: 75 Resp: 130421
Ion Ratio Lower Upper
75 100
53 0.4 68.6 102.8#
89 1.7 39.0 58.4#

