

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101425\
 Data File : VY023462.D
 Acq On : 14 Oct 2025 15:15
 Operator : SY/MD
 Sample : Q3341-03
 Misc : 5.21g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C-3

Quant Time: Oct 15 03:29:54 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)

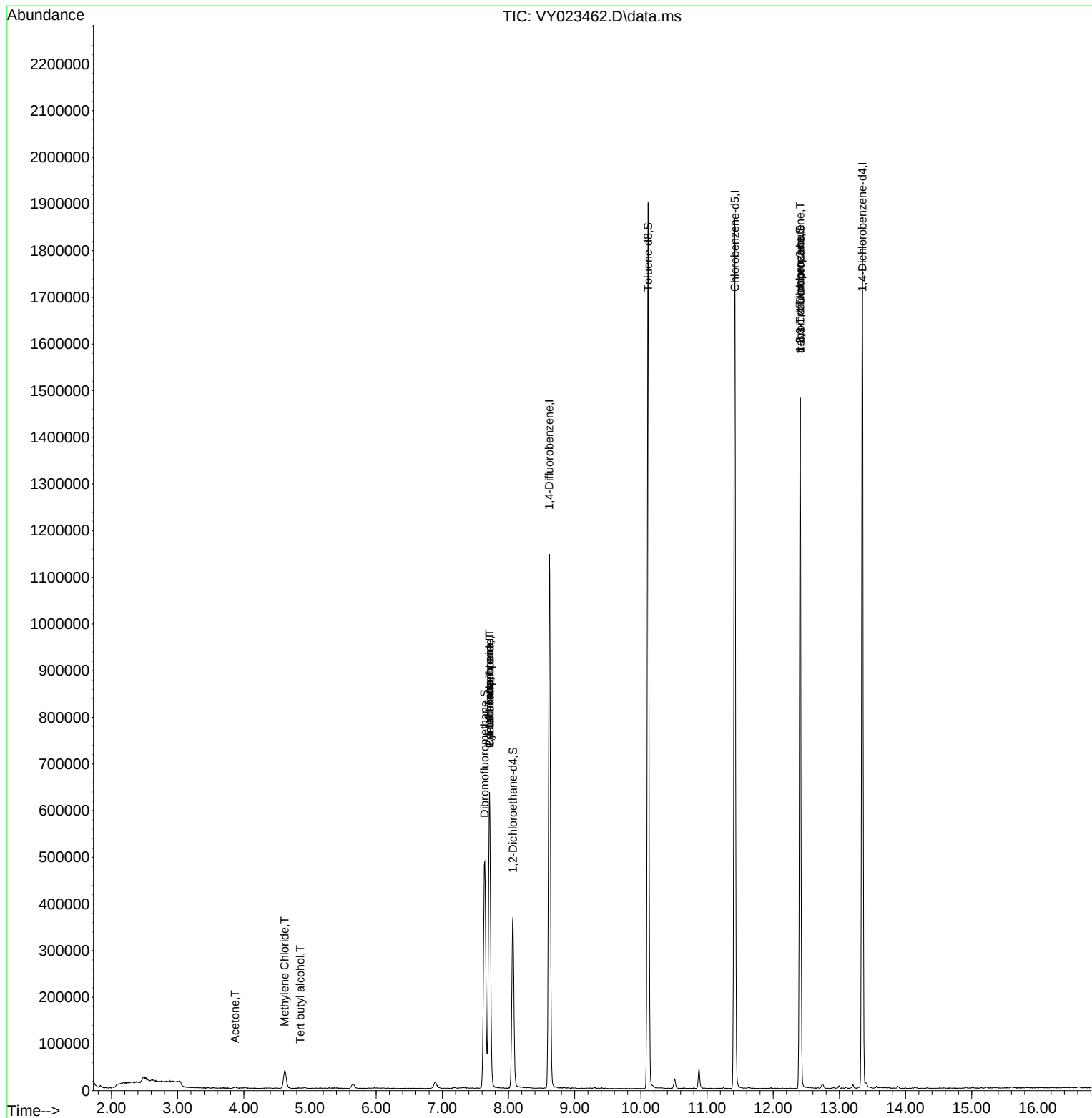
Internal Standards						
1) Pentafluorobenzene	7.713	168	521903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1026356	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1081652	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	485422	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	290158	66.485	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 132.980%	
35) Dibromofluoromethane	7.640	113	356862	56.587	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.180%	
50) Toluene-d8	10.109	98	1258375	53.580	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 107.160%	
62) 4-Bromofluorobenzene	12.408	95	431468	55.646	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.300%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	964	2.969	ug/l #	72
16) Acetone	3.866	43	3876	3.731	ug/l	97
20) Methylene Chloride	4.616	84	31008	5.519	ug/l	96
31) Cyclohexane	7.713	56	8675	1.195	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	34585	4.142	ug/l #	48
38) Carbon Tetrachloride	7.713	117	48154	4.757	ug/l #	16
76) 1,2,3-Trichloropropane	12.408	75	210833	49.229	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	210833	120.718	ug/l #	15

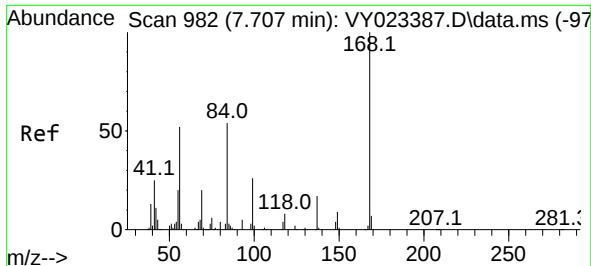
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
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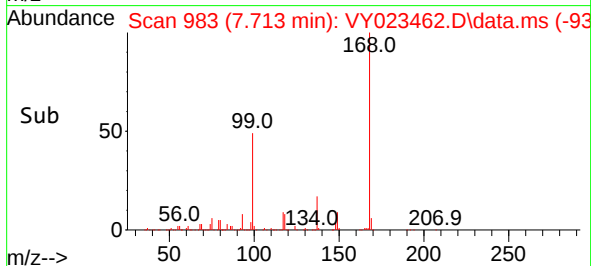
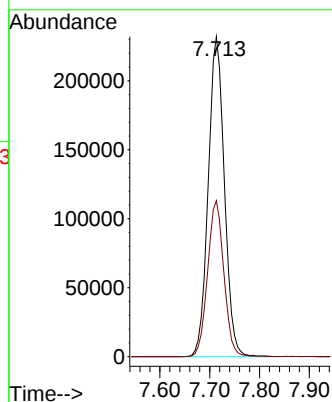
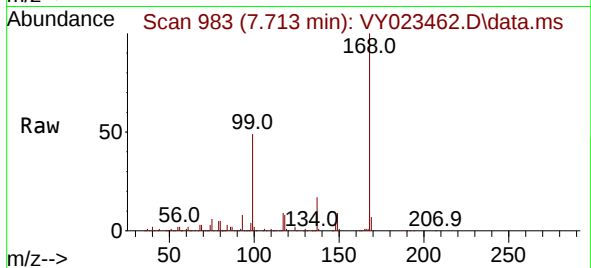




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

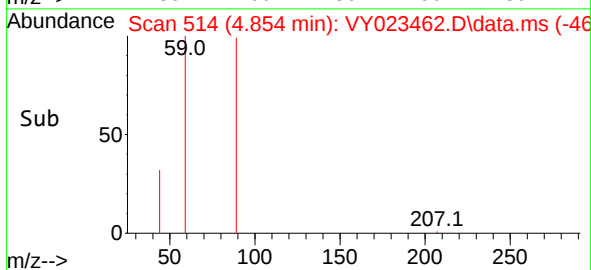
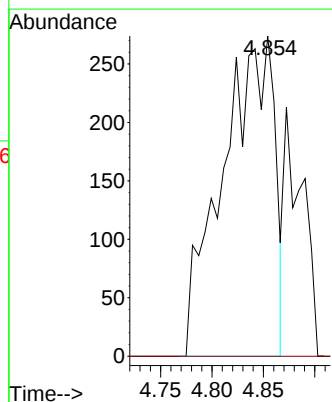
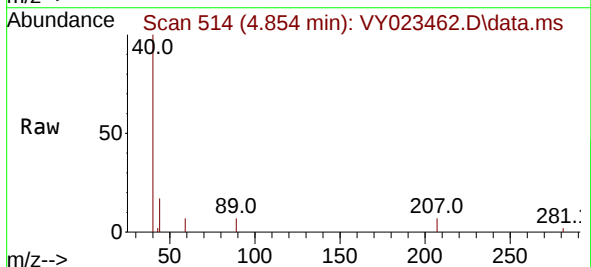
Instrument :
MSVOA_Y
ClientSampleId :
C-3

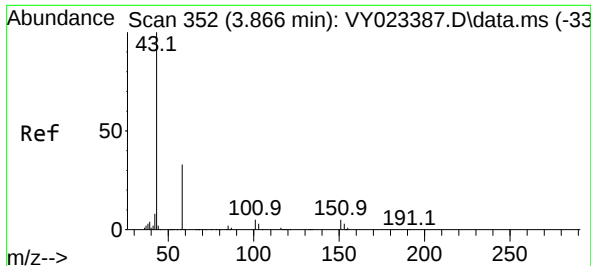
Tgt Ion:168 Resp: 521903
Ion Ratio Lower Upper
168 100
99 48.8 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.969 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 59 Resp: 964
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

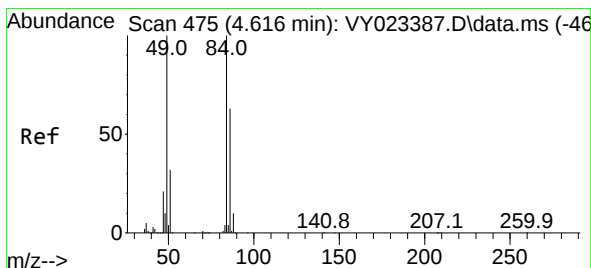
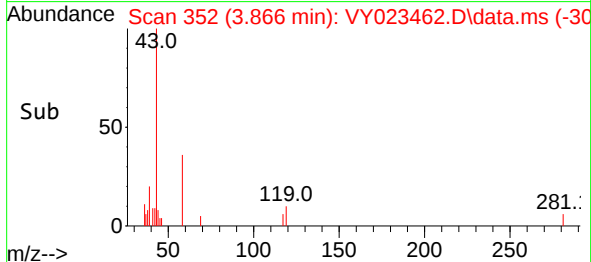
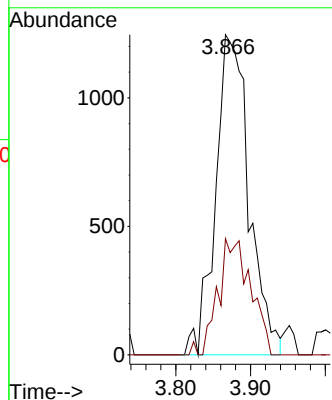
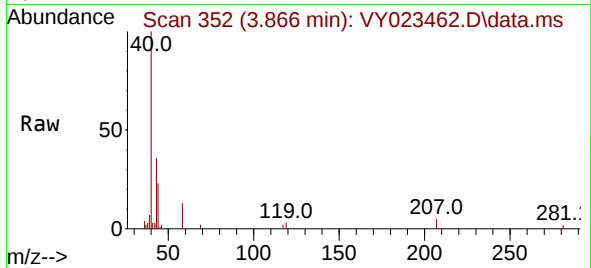




#16
Acetone
Concen: 3.731 ug/l
RT: 3.866 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

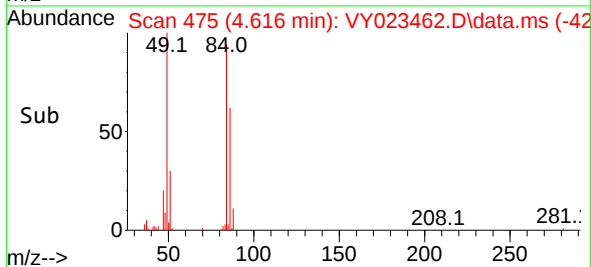
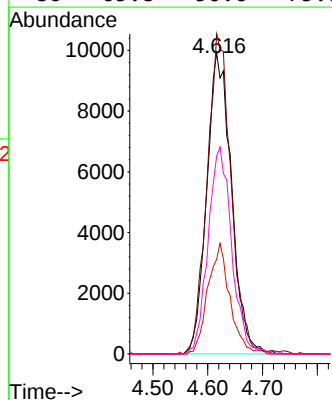
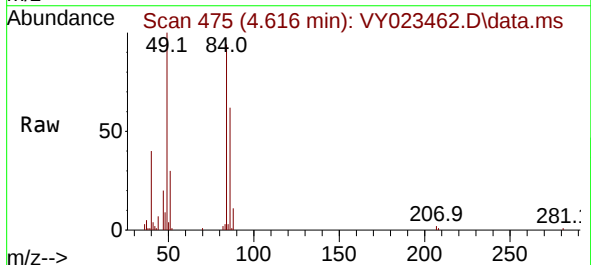
Instrument :
MSVOA_Y
ClientSampleId :
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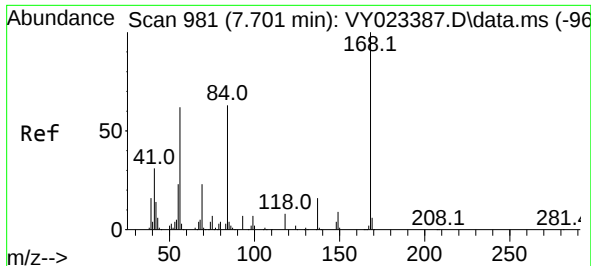
Tgt Ion: 43 Resp: 3876
Ion Ratio Lower Upper
43 100
58 36.3 27.7 41.5



#20
Methylene Chloride
Concen: 5.519 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.000 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 84 Resp: 31008
Ion Ratio Lower Upper
84 100
49 106.3 80.2 120.4
51 31.5 25.9 38.9
86 65.8 50.6 75.8

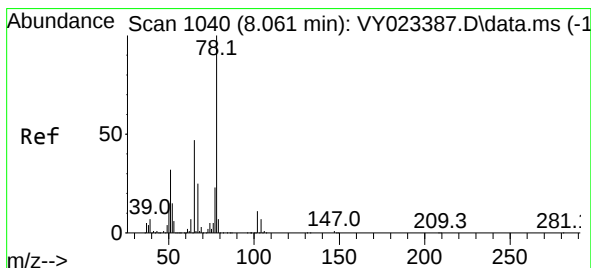
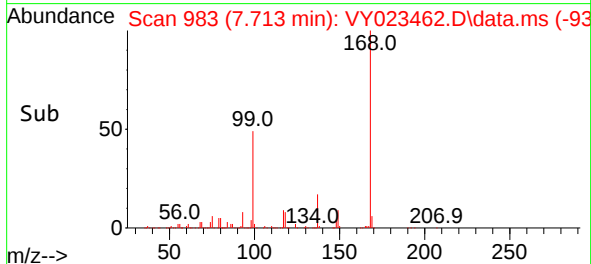
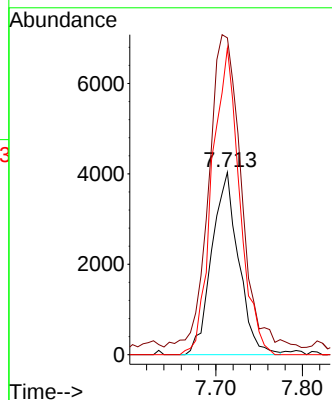
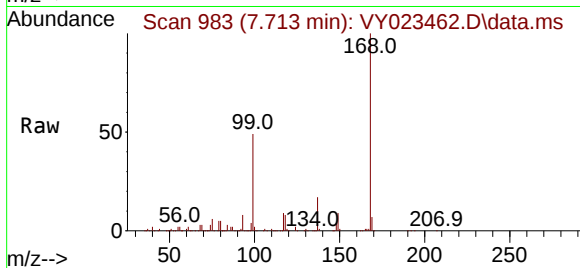




#31
Cyclohexane
Concen: 1.195 ug/l
RT: 7.713 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

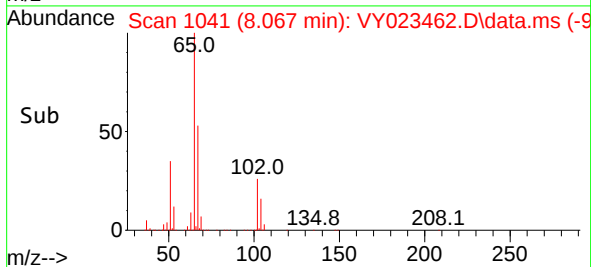
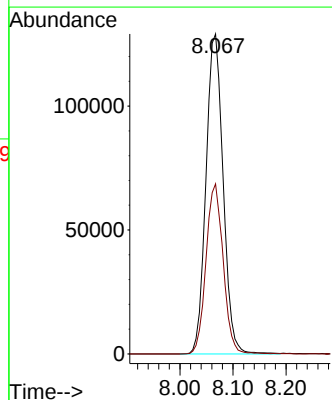
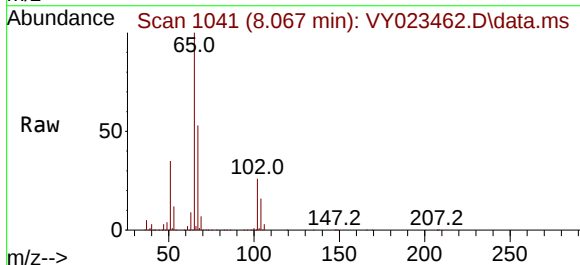
Instrument :
MSVOA_Y
ClientSampleId :
C-3

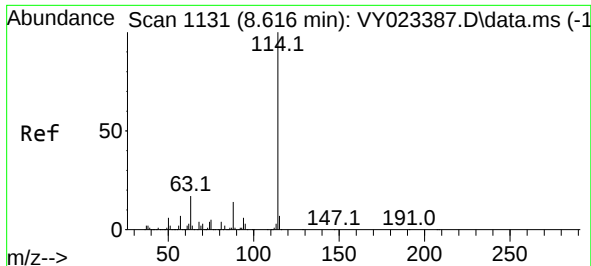
Tgt Ion: 56 Resp: 8675
Ion Ratio Lower Upper
56 100
69 165.6 30.0 45.0#
84 168.0 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 66.485 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 65 Resp: 290158
Ion Ratio Lower Upper
65 100
67 53.2 0.0 105.8

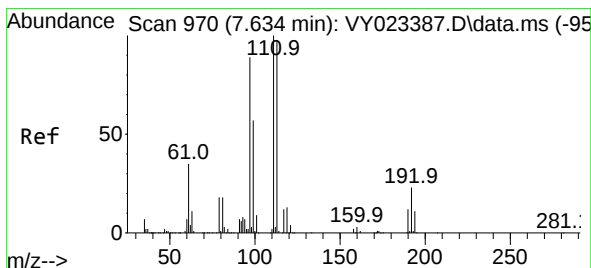
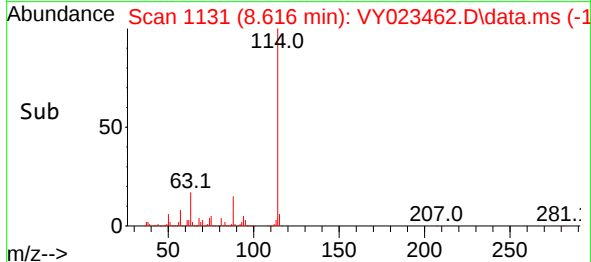
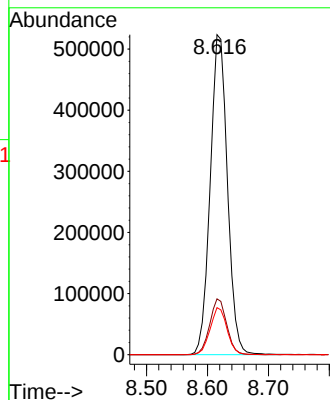
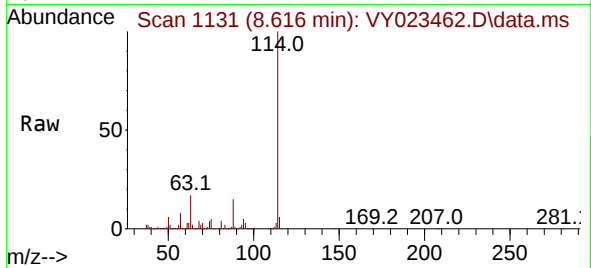




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

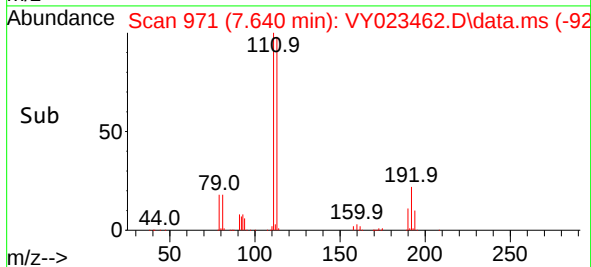
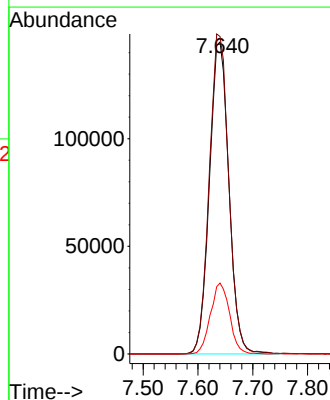
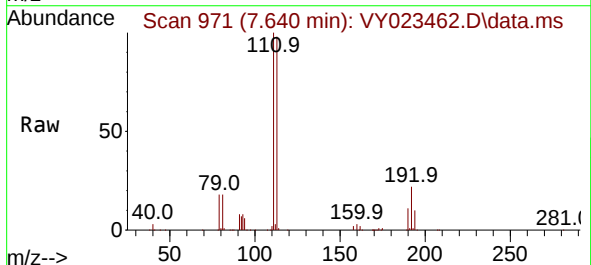
Instrument :
MSVOA_Y
ClientSampleId :
C-3

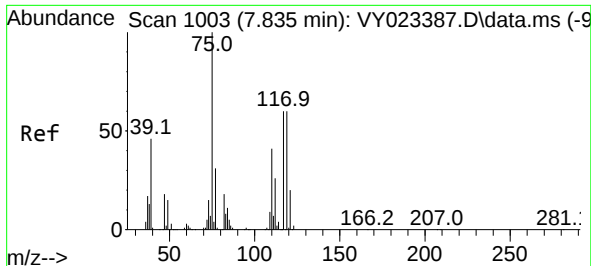
Tgt Ion:114 Resp: 1026356
Ion Ratio Lower Upper
114 100
63 17.5 0.0 34.2
88 14.7 0.0 28.4



#35
Dibromofluoromethane
Concen: 56.587 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion:113 Resp: 356862
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.3 18.0 27.0





#36

1,1-Dichloropropene

Concen: 4.142 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

Lab File: VY023462.D

Acq: 14 Oct 2025 15:15

Instrument :

MSVOA_Y

ClientSampleId :

C-3

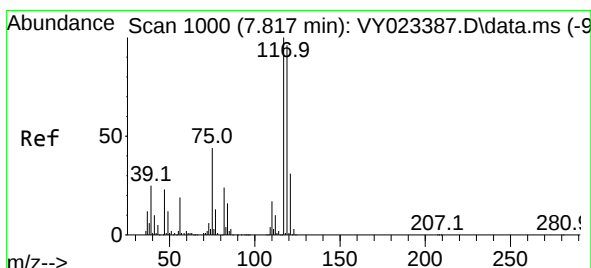
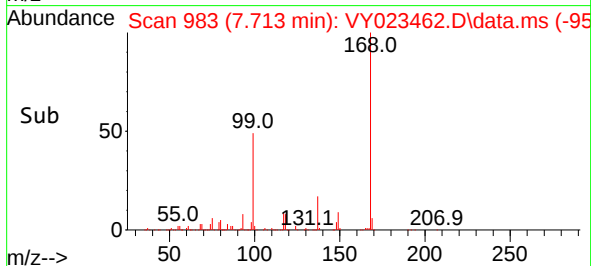
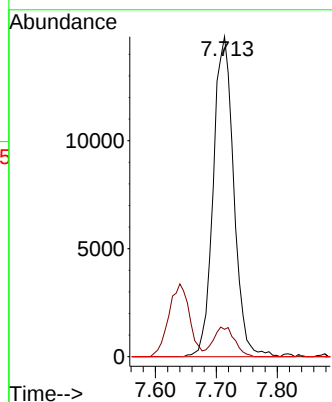
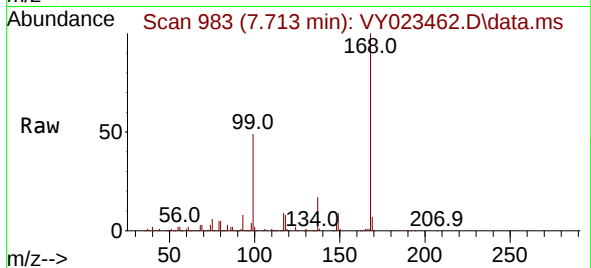
Tgt Ion: 75 Resp: 34585

Ion Ratio Lower Upper

75 100

110 9.7 19.9 59.7#

77 0.0 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 4.757 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.104 min

Lab File: VY023462.D

Acq: 14 Oct 2025 15:15

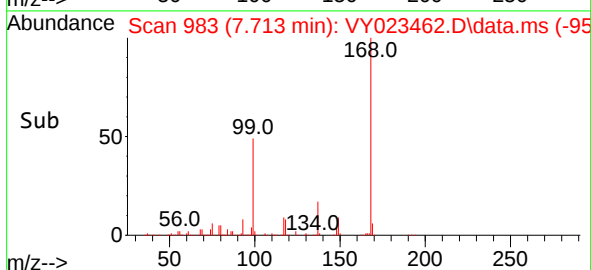
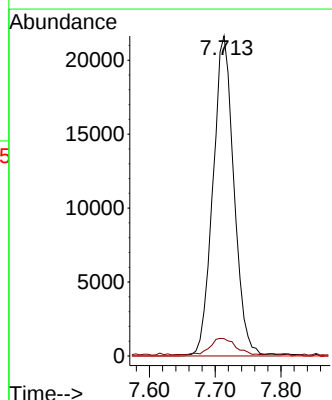
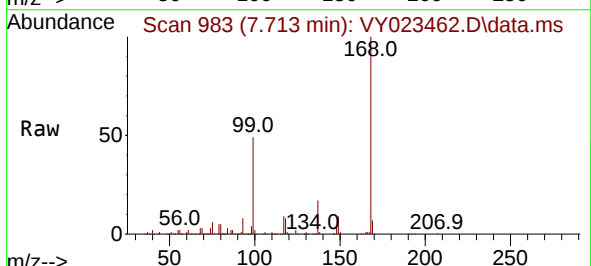
Tgt Ion: 117 Resp: 48154

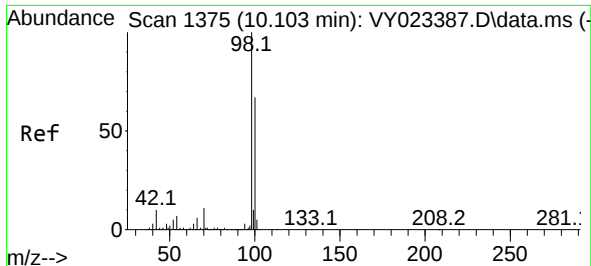
Ion Ratio Lower Upper

117 100

119 5.0 76.8 115.2#

121 0.0 24.5 36.7#

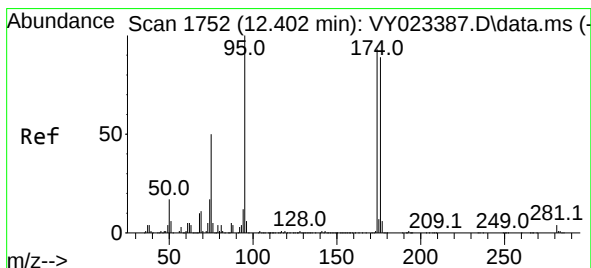
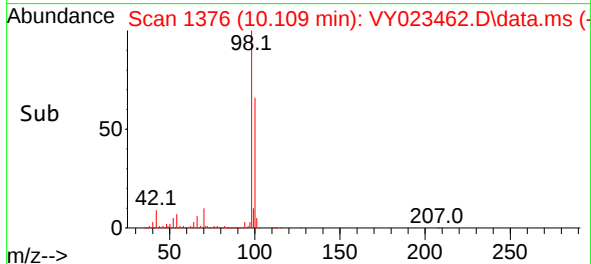
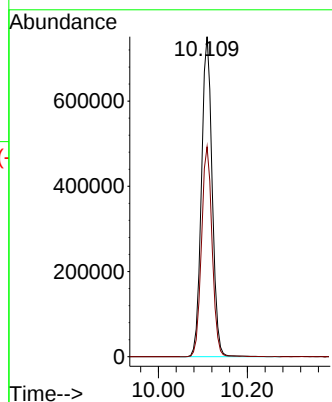
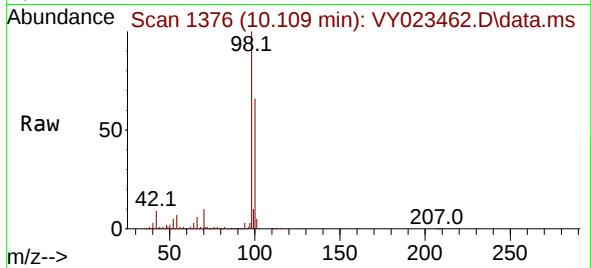




#50
Toluene-d8
Concen: 53.580 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

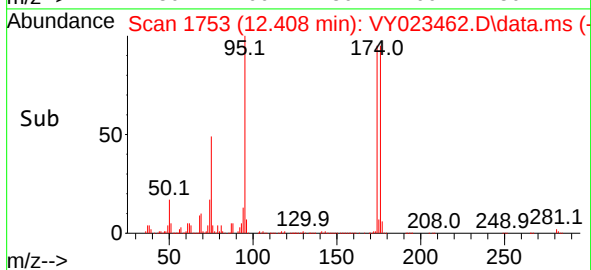
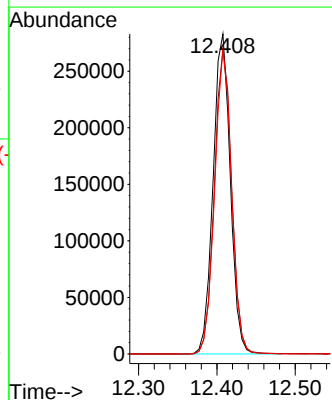
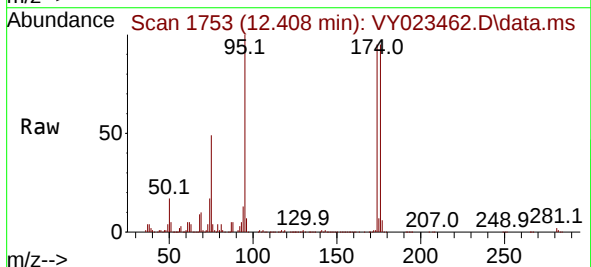
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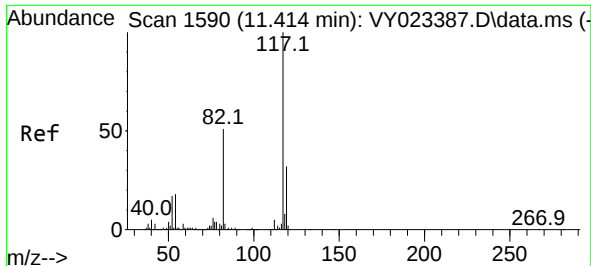
Tgt Ion: 98 Resp: 1258375
Ion Ratio Lower Upper
98 100
100 65.2 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 55.646 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 95 Resp: 431468
Ion Ratio Lower Upper
95 100
174 96.0 0.0 192.8
176 93.3 0.0 187.6

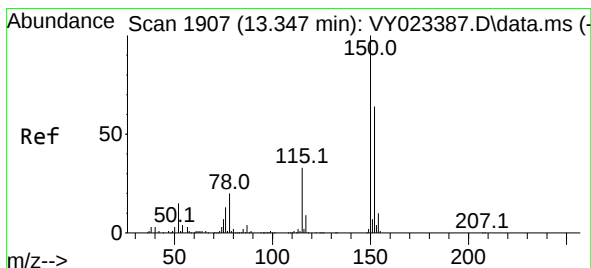
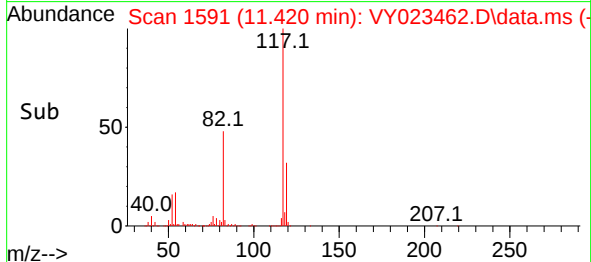
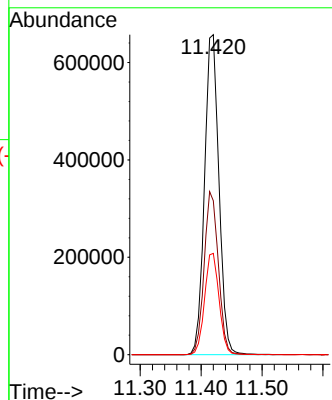
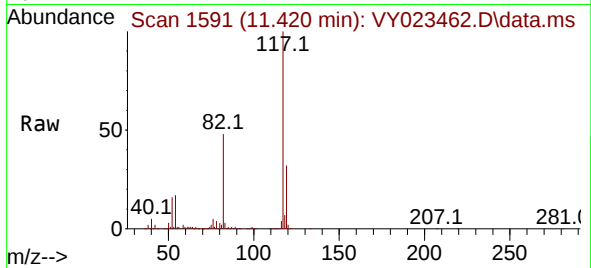




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

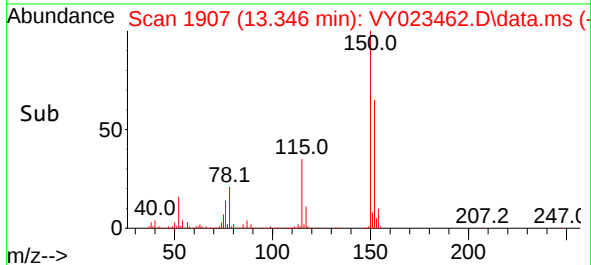
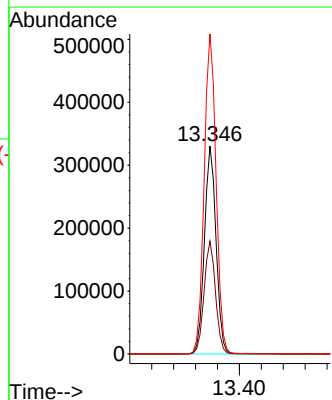
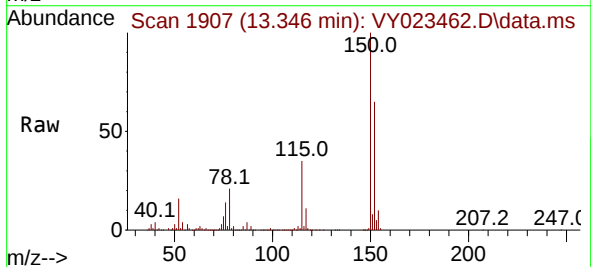
Instrument :
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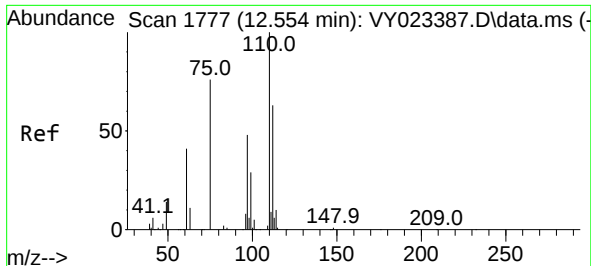
Tgt Ion:117 Resp: 1081652
Ion Ratio Lower Upper
117 100
82 48.1 41.0 61.4
119 31.7 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion:152 Resp: 485422
Ion Ratio Lower Upper
152 100
115 53.6 27.1 81.2
150 157.2 0.0 347.4

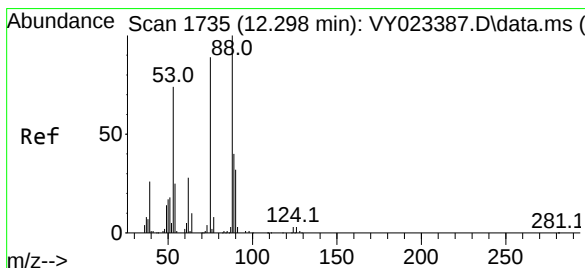
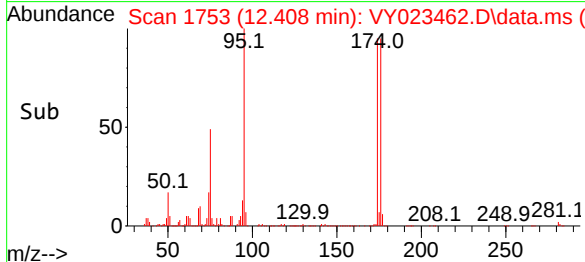
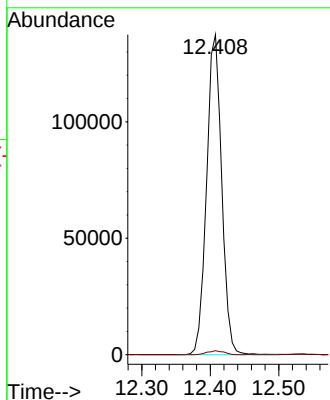
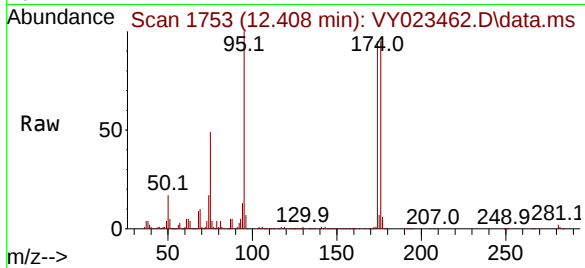




#76
1,2,3-Trichloropropane
Concen: 49.229 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Instrument :
MSVOA_Y
ClientSampleId :
C-3

Tgt Ion: 75 Resp: 210833
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 120.718 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023462.D
Acq: 14 Oct 2025 15:15

Tgt Ion: 75 Resp: 210833
Ion Ratio Lower Upper
75 100
53 0.2 68.6 102.8#
89 0.0 39.0 58.4#

