

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023506.D
 Acq On : 20 Oct 2025 14:12
 Operator : SY/MD
 Sample : Q3386-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 03:58:48 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)

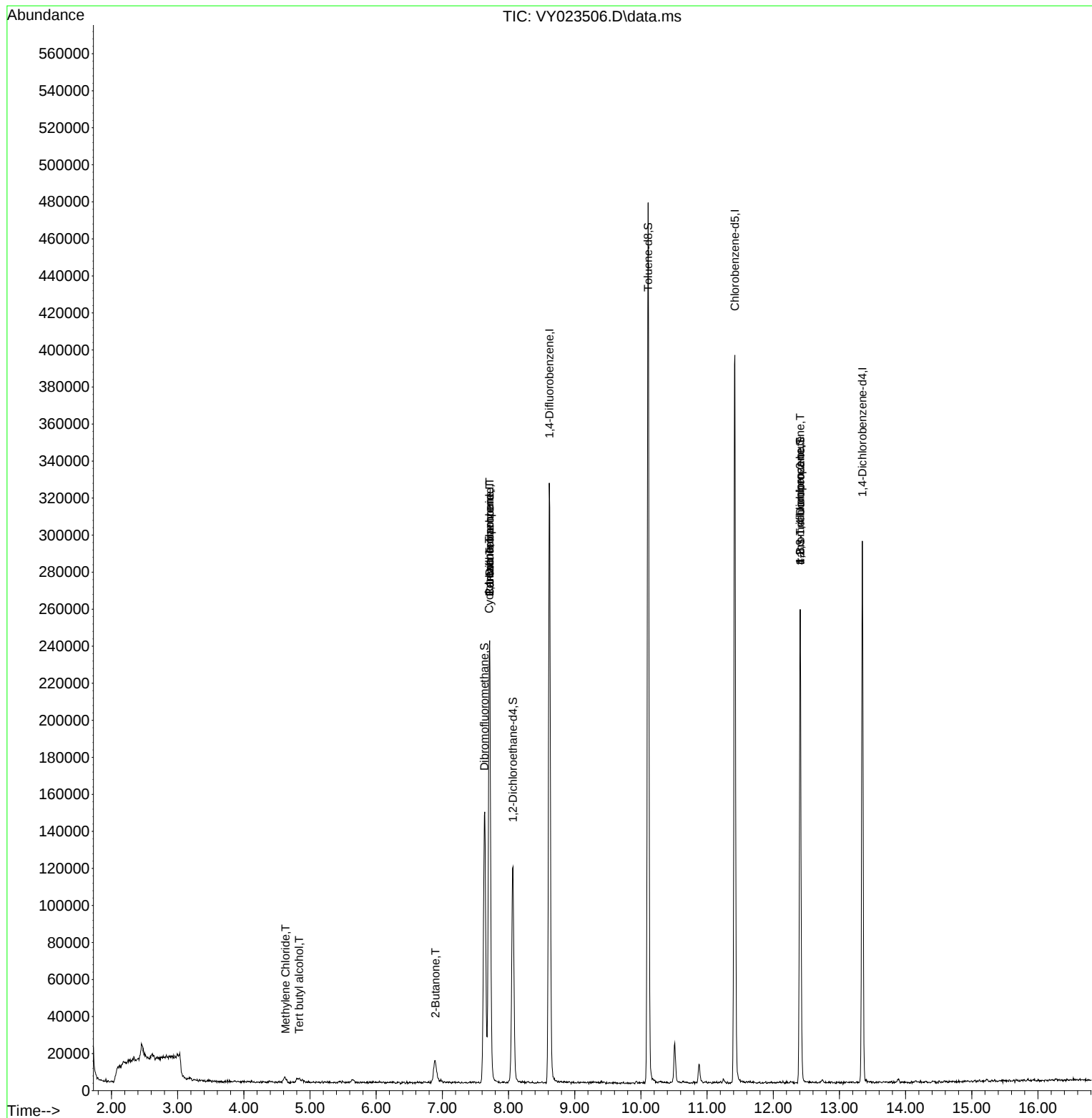
Internal Standards						
1) Pentafluorobenzene	7.713	168	203292	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	294998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	233310	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	80495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	91620	53.895	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.800%	
35) Dibromofluoromethane	7.634	113	105741	58.336	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 116.680%	
50) Toluene-d8	10.109	98	318809	47.228	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 94.460%	
62) 4-Bromofluorobenzene	12.408	95	75016	33.660	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.320%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.836	59	2348	18.566	ug/l #	72
20) Methylene Chloride	4.628	84	2243	1.025	ug/l #	65
25) 2-Butanone	6.896	43	826	1.672	ug/l #	40
31) Cyclohexane	7.707	56	3669	1.297	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	13694	5.706	ug/l #	48
38) Carbon Tetrachloride	7.713	117	18686	6.422	ug/l #	17
76) 1,2,3-Trichloropropane	12.408	75	36215	50.994	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	36215	125.047	ug/l #	15

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

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MSVOA_Y
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Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:12:50 2025
Response via : Initial Calibration

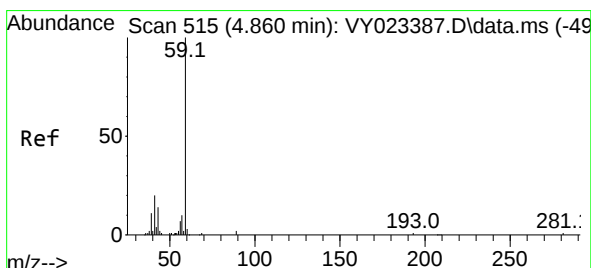
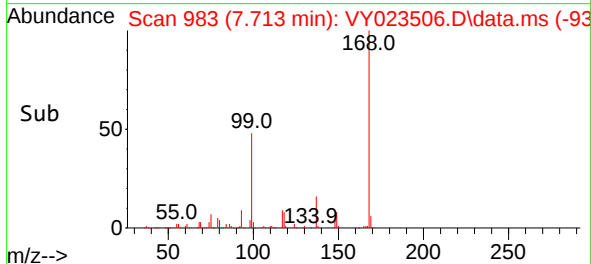
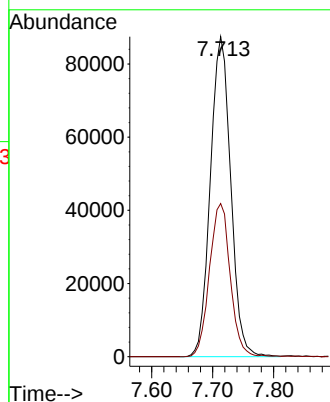
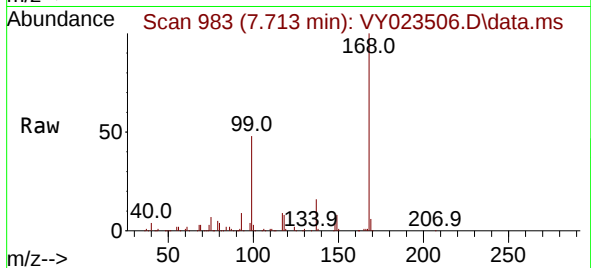




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

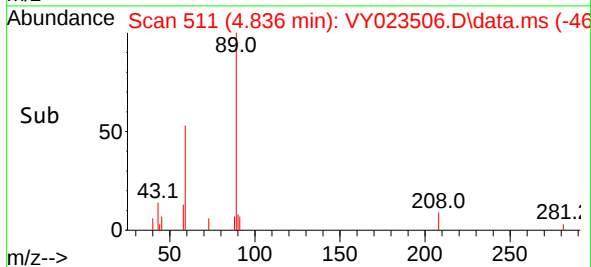
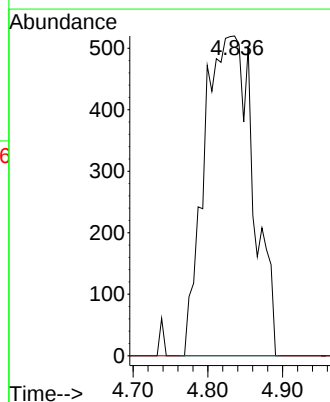
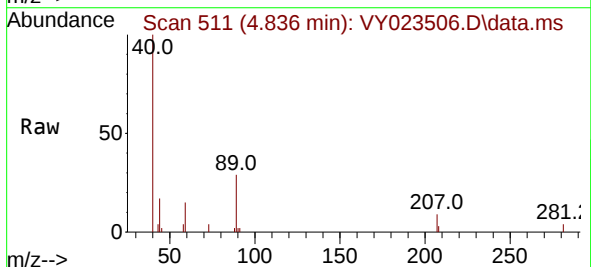
Instrument :
MSVOA_Y
ClientSampleId :

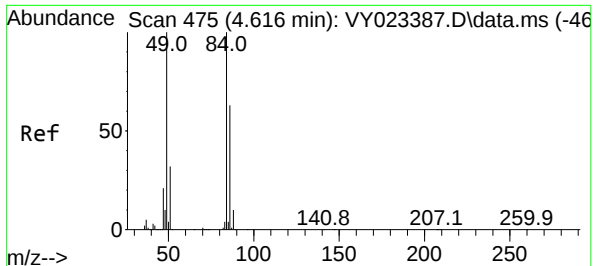
Tgt Ion:168 Resp: 203292
Ion Ratio Lower Upper
168 100
99 47.8 39.7 59.5



#11
Tert butyl alcohol
Concen: 18.566 ug/l
RT: 4.836 min Scan# 511
Delta R.T. -0.024 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

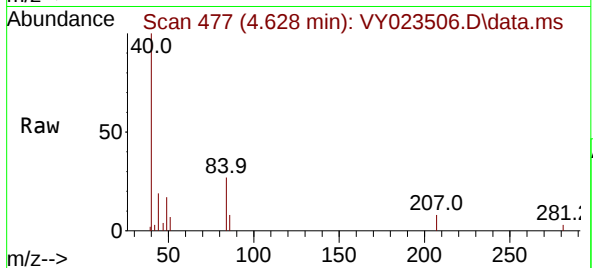
Tgt Ion: 59 Resp: 2348
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



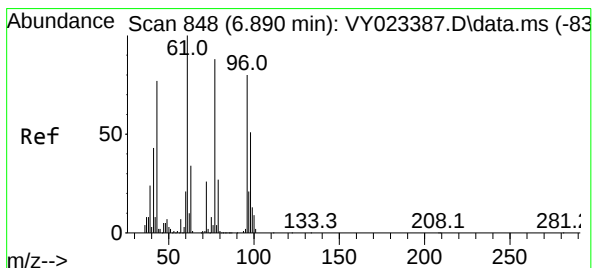
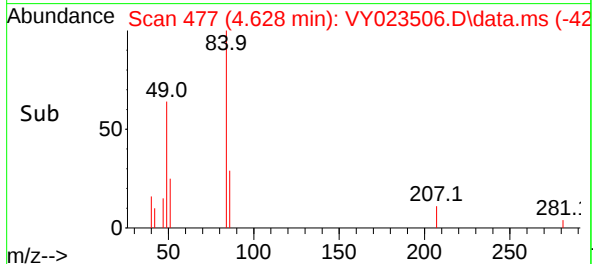
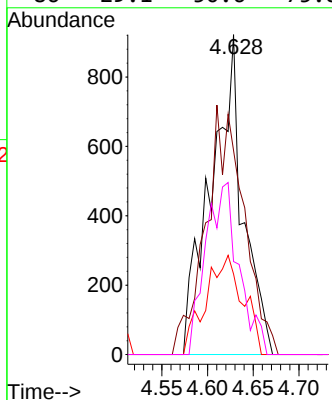


#20
Methylene Chloride
Concen: 1.025 ug/l
RT: 4.628 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :

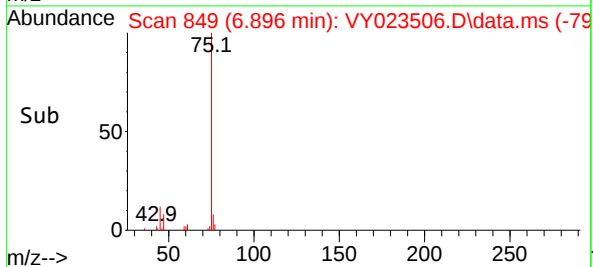
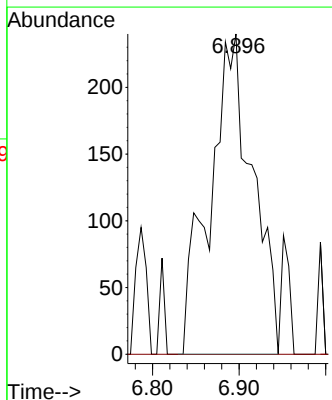
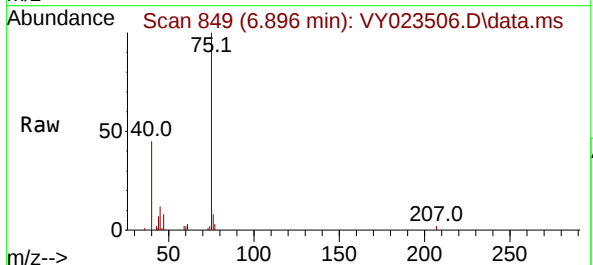


Tgt Ion: 84 Resp: 2243
Ion Ratio Lower Upper
84 100
49 63.8 80.2 120.4#
51 25.2 25.9 38.9#
86 29.1 50.6 75.8#



#25
2-Butanone
Concen: 1.672 ug/l
RT: 6.896 min Scan# 849
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

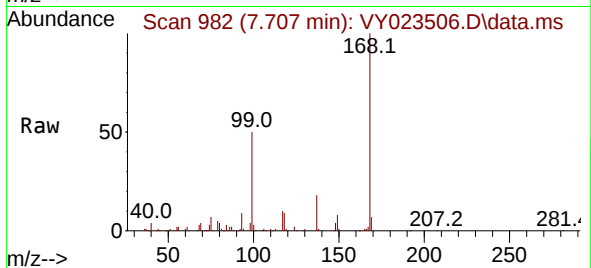
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
72 0.0 27.4 41.2#



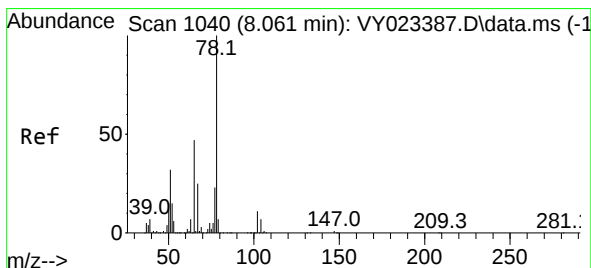
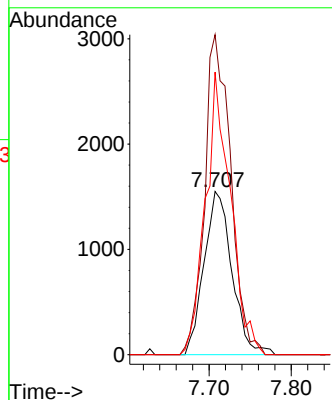
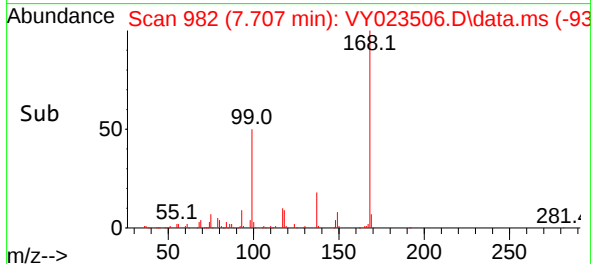


#31
Cyclohexane
Concen: 1.297 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

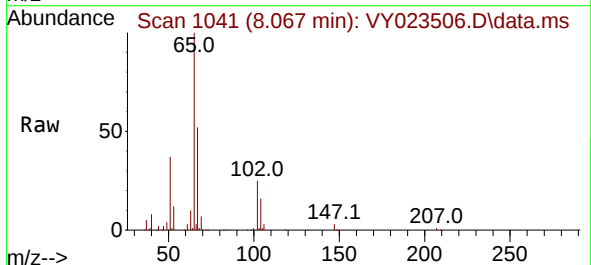
Instrument :
MSVOA_Y
ClientSampleId :



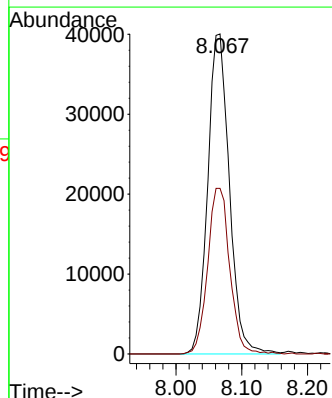
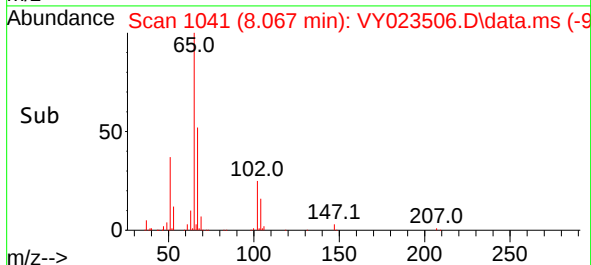
Tgt Ion: 56 Resp: 3669
Ion Ratio Lower Upper
56 100
69 196.1 30.0 45.0#
84 173.2 81.2 121.8#

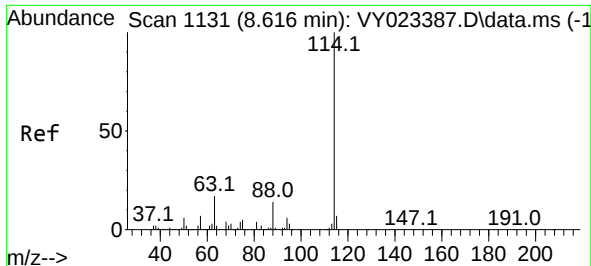


#33
1,2-Dichloroethane-d4
Concen: 53.895 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12



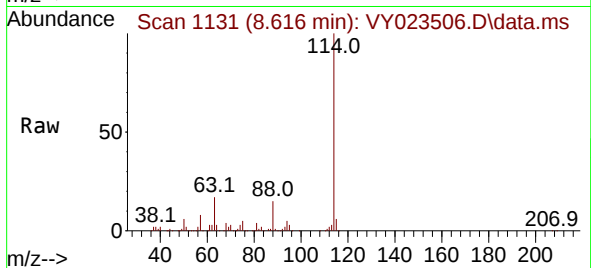
Tgt Ion: 65 Resp: 91620
Ion Ratio Lower Upper
65 100
67 53.0 0.0 105.8



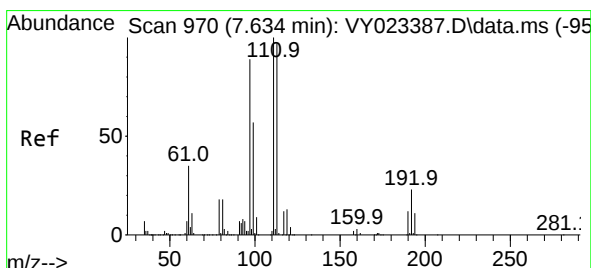
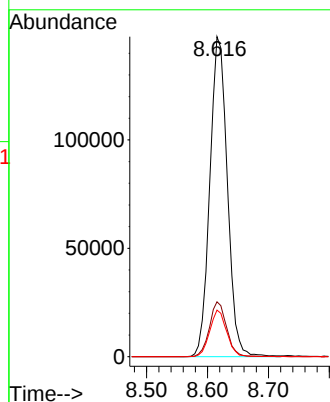
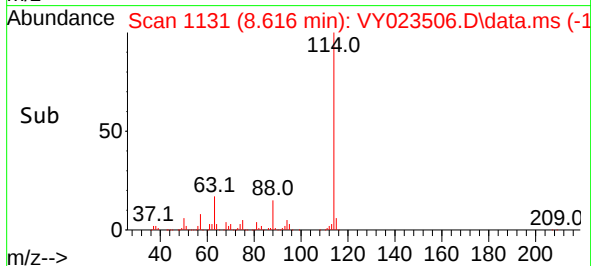


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :

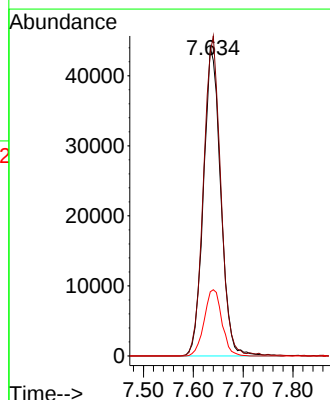
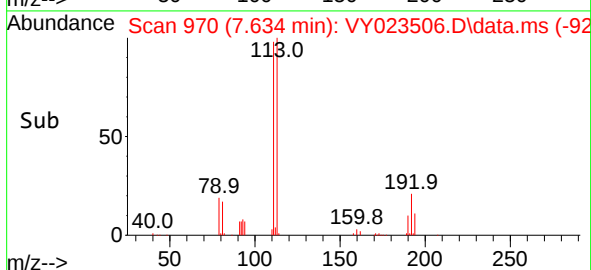
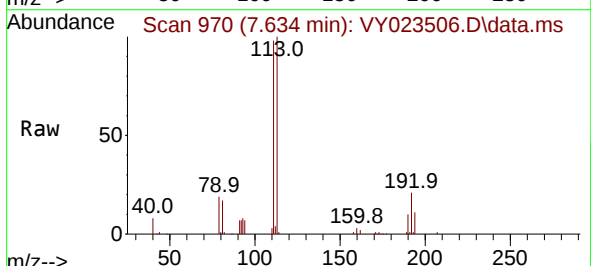


Tgt Ion:114 Resp: 294998
Ion Ratio Lower Upper
114 100
63 17.2 0.0 34.2
88 14.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 58.336 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Tgt Ion:113 Resp: 105741
Ion Ratio Lower Upper
113 100
111 102.9 81.8 122.6
192 22.0 18.0 27.0





#36

1,1-Dichloropropene

Concen: 5.706 ug/l

RT: 7.713 min Scan# 983

Delta R.T. -0.122 min

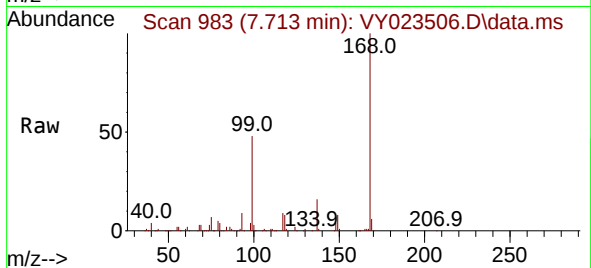
Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

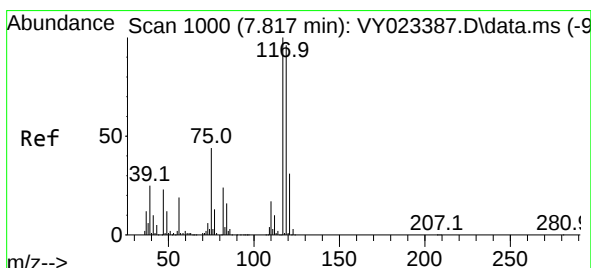
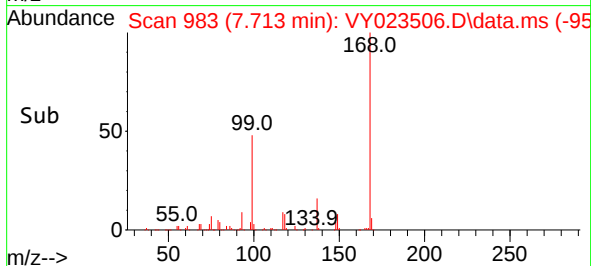
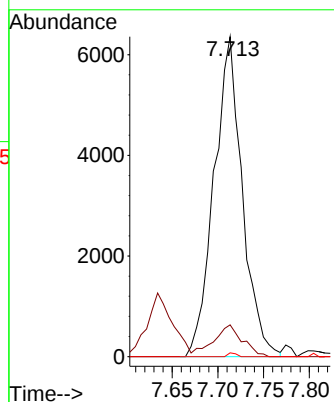
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 13694
Ion Ratio	Lower Upper
75	100
110	9.3 19.9 59.7#
77	0.4 25.0 37.6#



#38

Carbon Tetrachloride

Concen: 6.422 ug/l

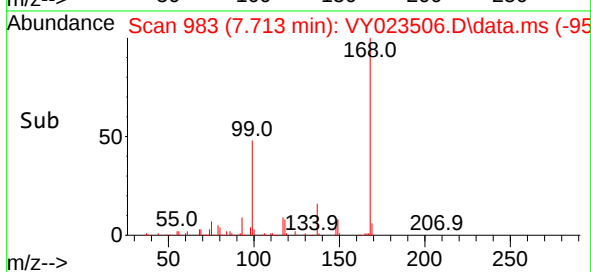
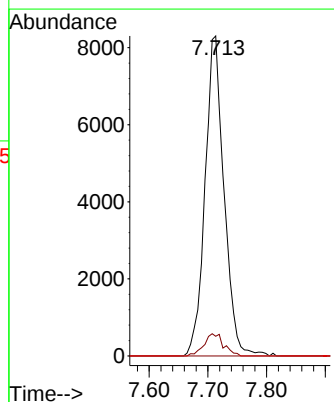
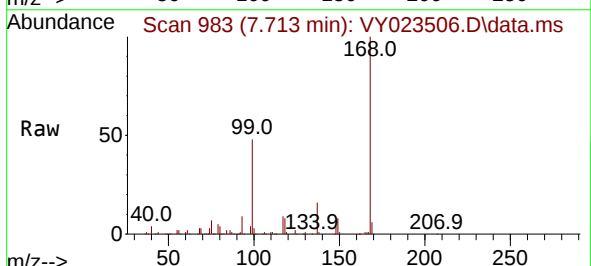
RT: 7.713 min Scan# 983

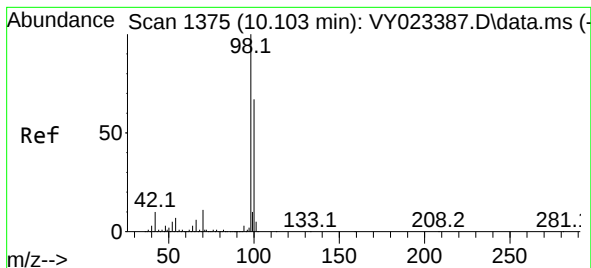
Delta R.T. -0.104 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

Tgt Ion: 117	Resp: 18686
Ion Ratio	Lower Upper
117	100
119	6.2 76.8 115.2#
121	0.0 24.5 36.7#





#50

Toluene-d8

Concen: 47.228 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

Instrument :

MSVOA_Y

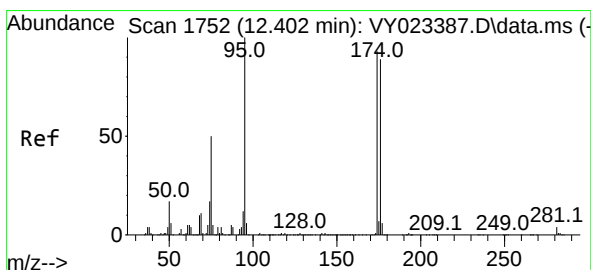
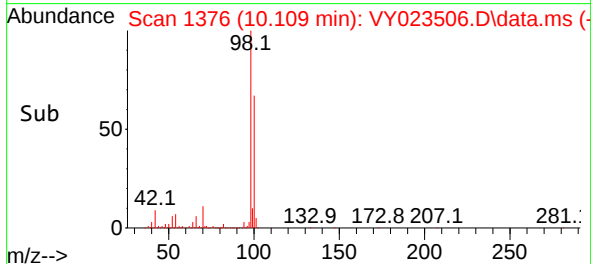
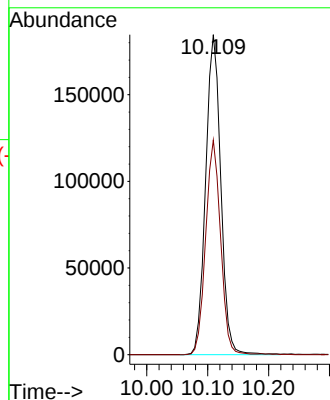
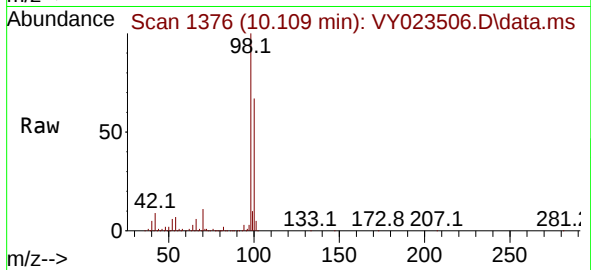
ClientSampleId :

Tgt Ion: 98 Resp: 318809

Ion Ratio Lower Upper

98 100

100 66.0 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 33.660 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023506.D

Acq: 20 Oct 2025 14:12

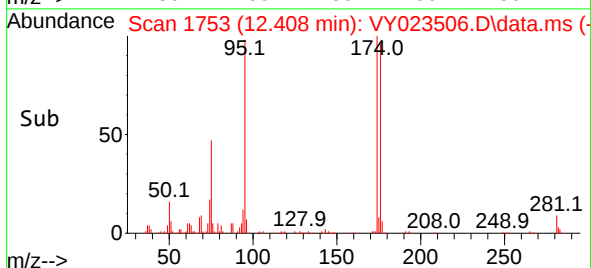
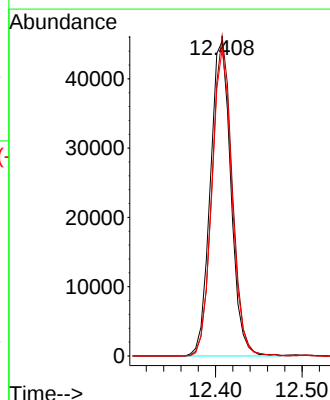
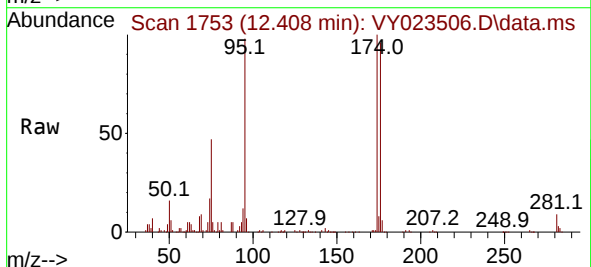
Tgt Ion: 95 Resp: 75016

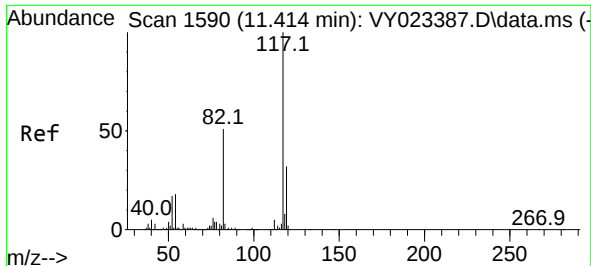
Ion Ratio Lower Upper

95 100

174 98.9 0.0 192.8

176 94.7 0.0 187.6

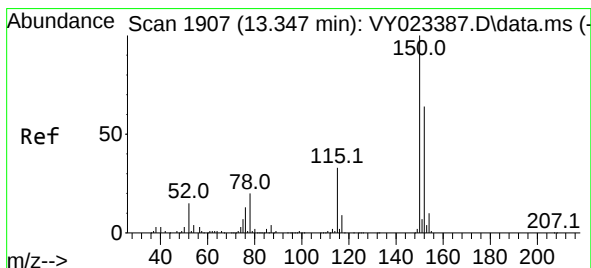
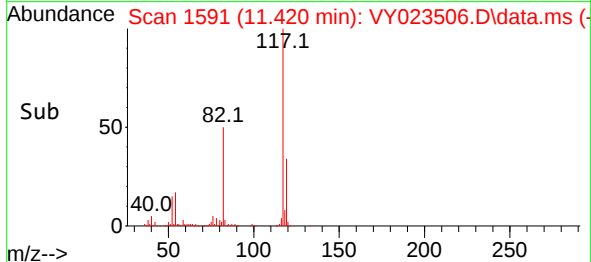
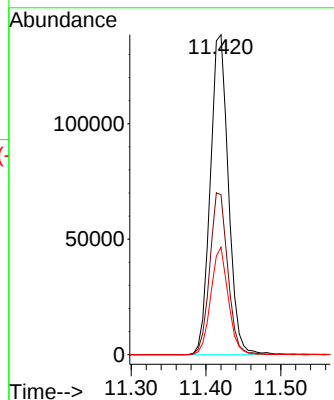
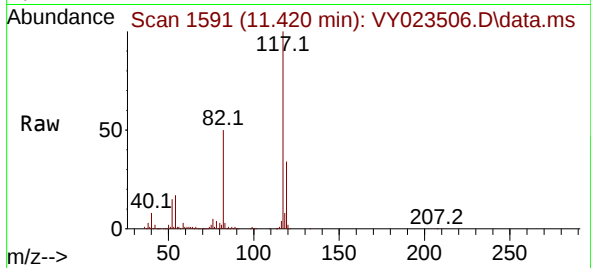




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

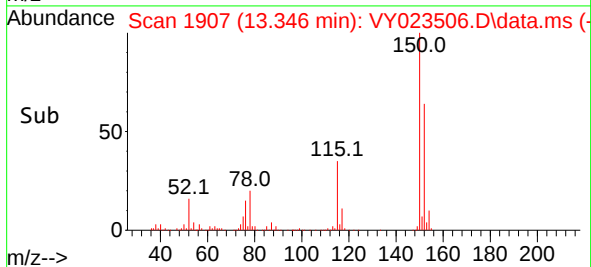
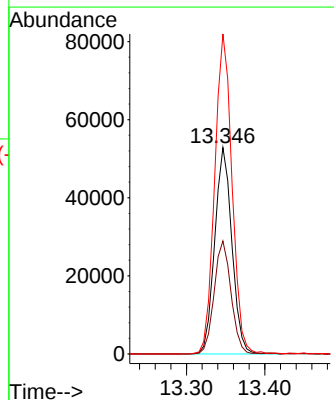
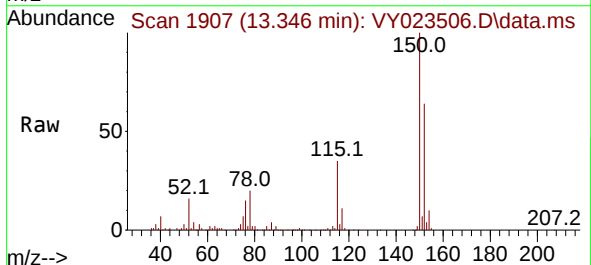
Instrument :
MSVOA_Y
ClientSampleId :

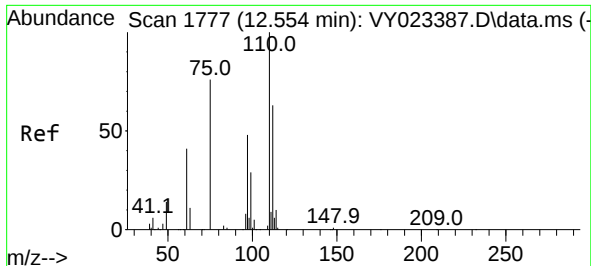
Tgt Ion:117 Resp: 233310
Ion Ratio Lower Upper
117 100
82 50.0 41.0 61.4
119 33.6 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Tgt Ion:152 Resp: 80495
Ion Ratio Lower Upper
152 100
115 54.1 27.1 81.2
150 156.6 0.0 347.4

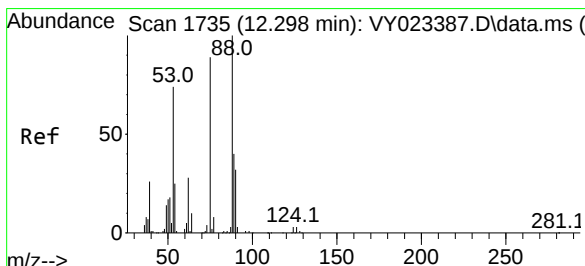
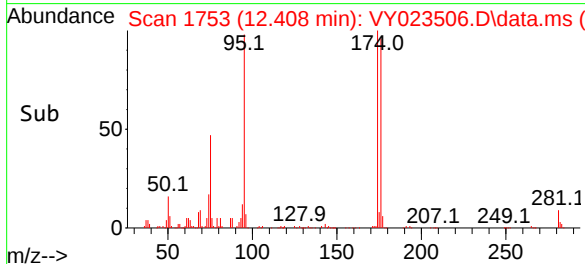
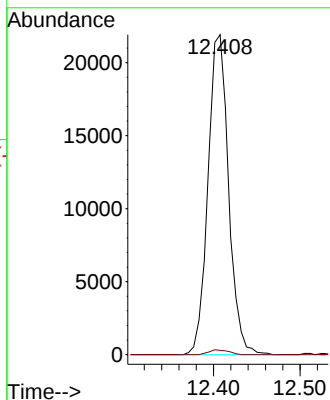
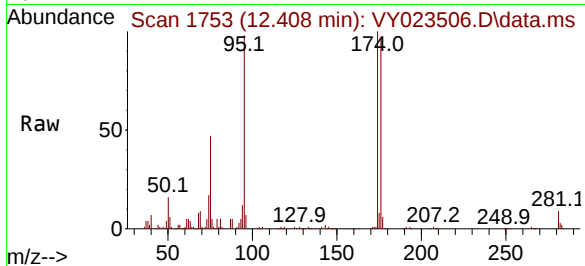




#76
1,2,3-Trichloropropane
Concen: 50.994 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.146 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 36215
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 125.047 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.110 min
Lab File: VY023506.D
Acq: 20 Oct 2025 14:12

Tgt Ion: 75 Resp: 36215
Ion Ratio Lower Upper
75 100
53 0.1 68.6 102.8#
89 0.3 39.0 58.4#

