

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023504.D
 Acq On : 20 Oct 2025 13:18
 Operator : SY/MD
 Sample : Q3369-03
 Misc : 4.87g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 21 03:58:06 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	719475	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1197129	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1011773	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	409115	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	327202	54.385	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.780%	
35) Dibromofluoromethane	7.634	113	387281	52.650	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.300%	
50) Toluene-d8	10.109	98	1355637	49.487	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 98.980%	
62) 4-Bromofluorobenzene	12.408	95	373273	41.273	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 82.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.818	59	1066	2.382	ug/l #	72
31) Cyclohexane	7.707	56	12335	1.232	ug/l #	3
36) 1,1-Dichloropropene	7.707	75	46943	4.820	ug/l #	48
38) Carbon Tetrachloride	7.713	117	66224	5.608	ug/l #	16
51) 4-Methyl-2-Pentanone	10.103	43	5005	1.259	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	183137	50.738	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	183137	124.418	ug/l #	15

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

Quant Time: Oct 21 03:58:06 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

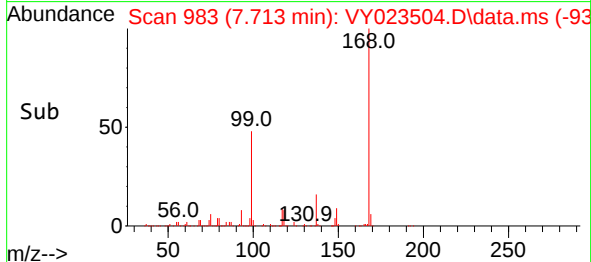
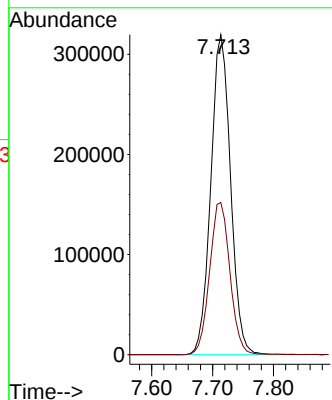
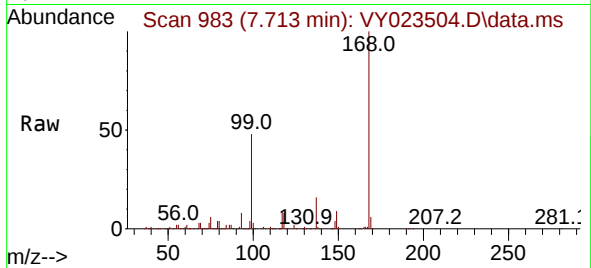




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

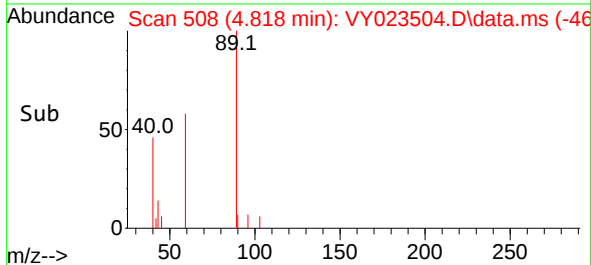
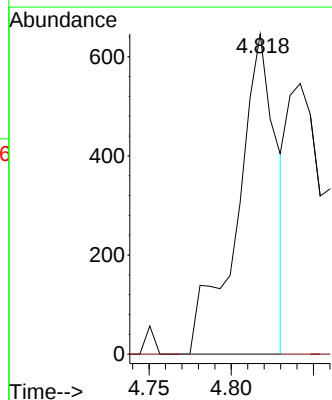
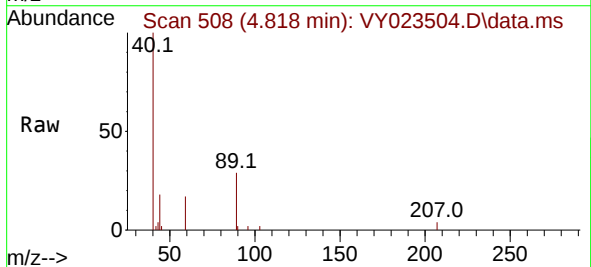
Instrument :
MSVOA_Y
ClientSampleId :

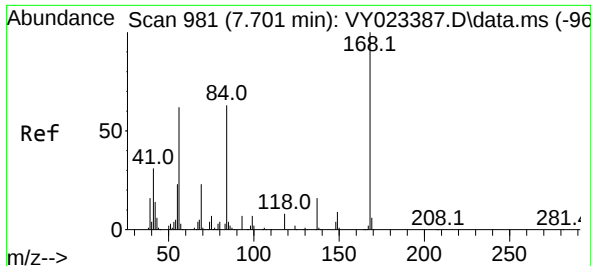
Tgt Ion:168 Resp: 719475
Ion Ratio Lower Upper
168 100
99 47.6 39.7 59.5



#11
Tert butyl alcohol
Concen: 2.382 ug/l
RT: 4.818 min Scan# 508
Delta R.T. -0.043 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

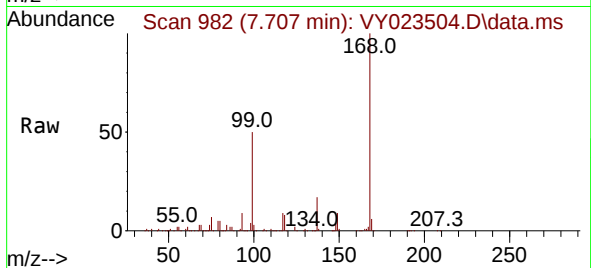
Tgt Ion: 59 Resp: 1066
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



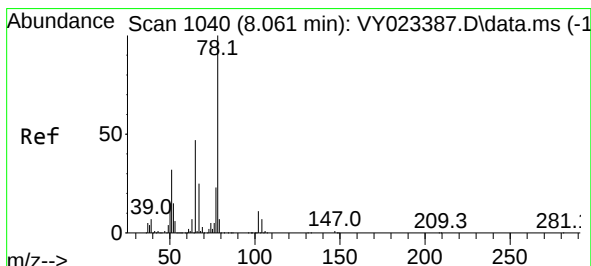
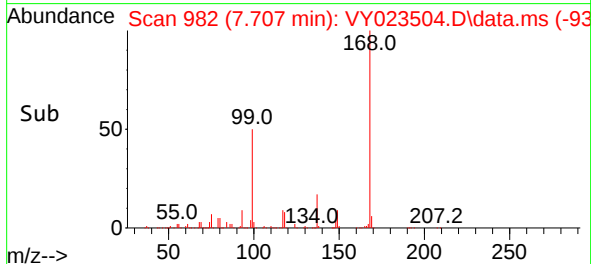
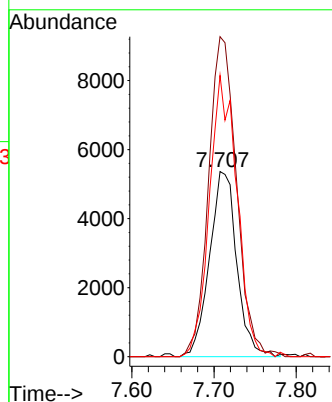


#31
Cyclohexane
Concen: 1.232 ug/l
RT: 7.707 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :

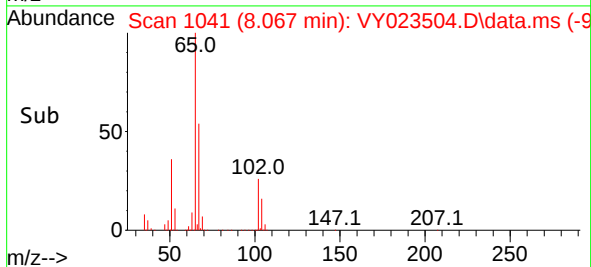
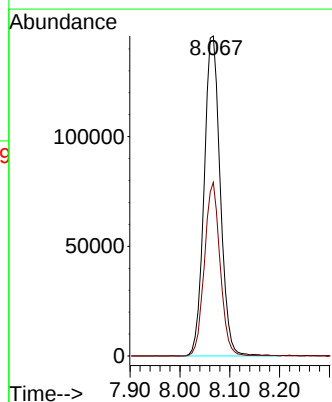
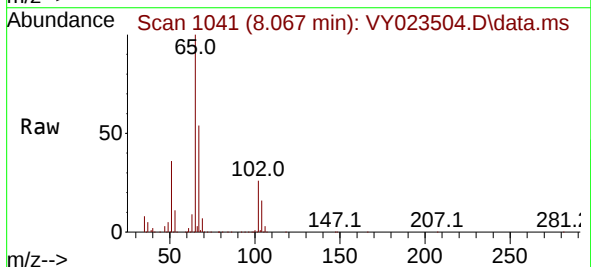


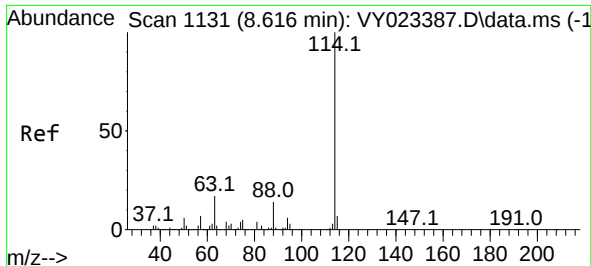
Tgt Ion: 56 Resp: 12335
Ion Ratio Lower Upper
56 100
69 172.9 30.0 45.0#
84 152.0 81.2 121.8#



#33
1,2-Dichloroethane-d4
Concen: 54.385 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

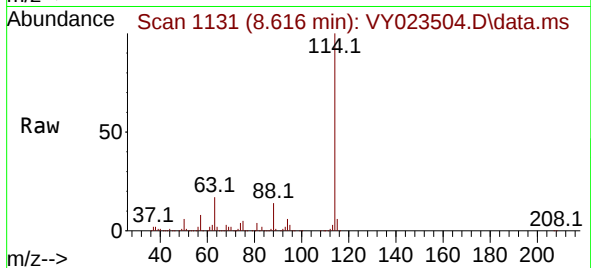
Tgt Ion: 65 Resp: 327202
Ion Ratio Lower Upper
65 100
67 52.7 0.0 105.8





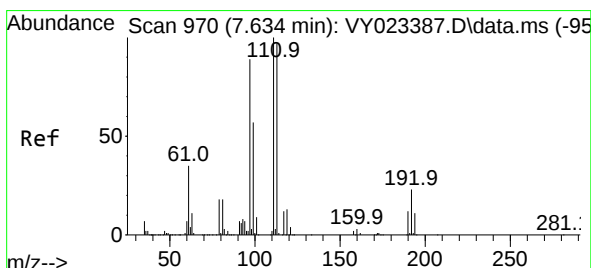
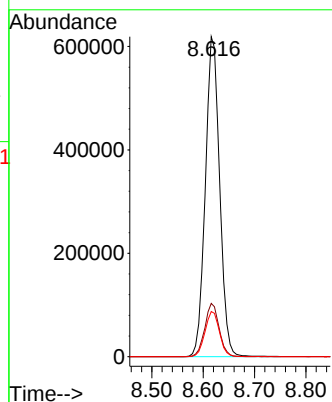
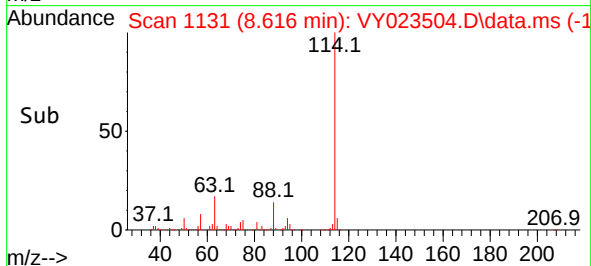
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

Instrument :
MSVOA_Y
ClientSampleId :

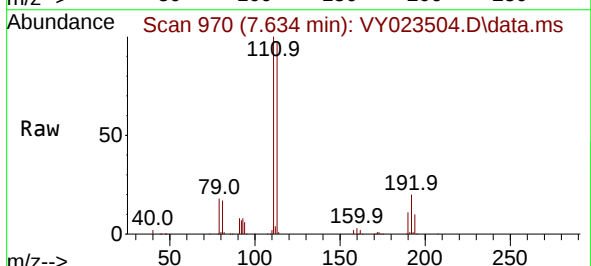


Tgt Ion:114 Resp: 1197129

Ion	Ratio	Lower	Upper
114	100		
63	16.6	0.0	34.2
88	14.1	0.0	28.4

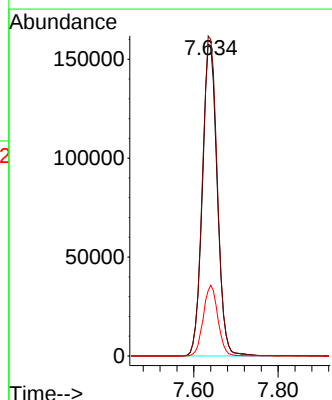
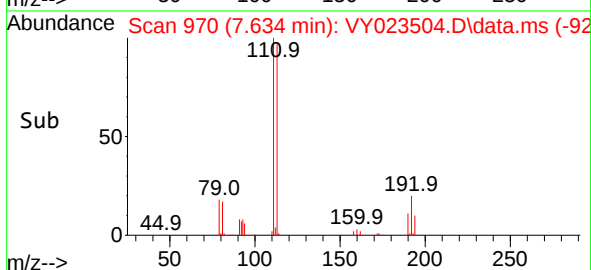


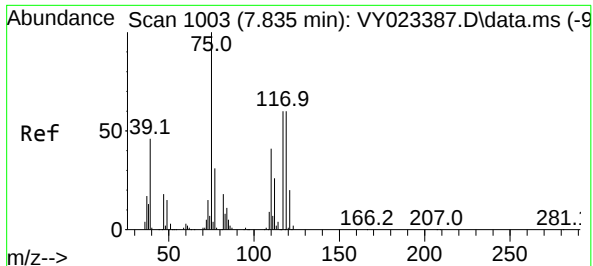
#35
Dibromofluoromethane
Concen: 52.650 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18



Tgt Ion:113 Resp: 387281

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.8	122.6
192	22.2	18.0	27.0





#36

1,1-Dichloropropene

Concen: 4.820 ug/l

RT: 7.707 min Scan# 91

Delta R.T. -0.128 min

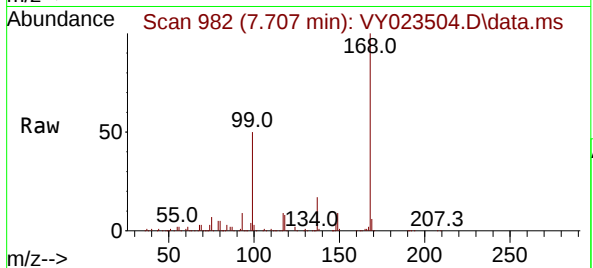
Lab File: VY023504.D

Acq: 20 Oct 2025 13:18

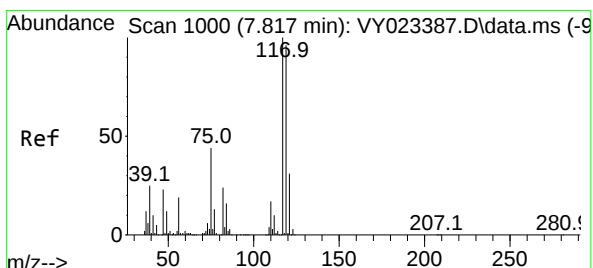
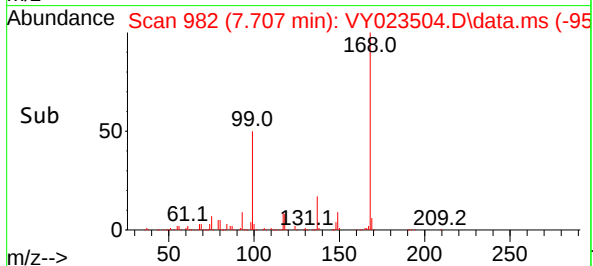
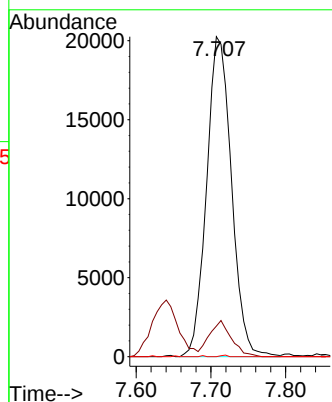
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 75	Resp: 46943
Ion Ratio	Lower Upper
75 100	
110 10.1	19.9 59.7#
77 0.1	25.0 37.6#



#38

Carbon Tetrachloride

Concen: 5.608 ug/l

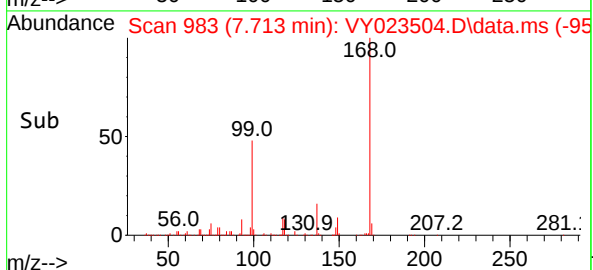
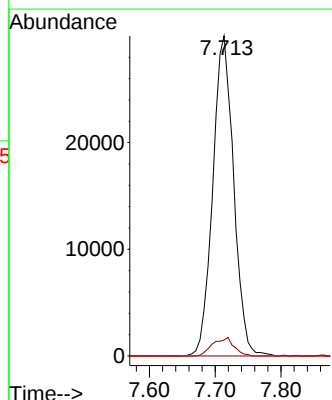
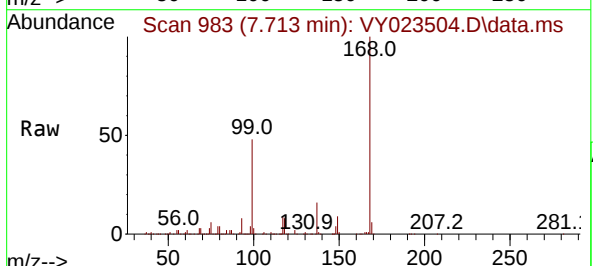
RT: 7.713 min Scan# 983

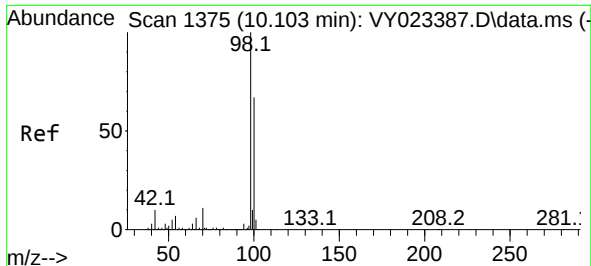
Delta R.T. -0.104 min

Lab File: VY023504.D

Acq: 20 Oct 2025 13:18

Tgt Ion: 117	Resp: 66224
Ion Ratio	Lower Upper
117 100	
119 5.0	76.8 115.2#
121 0.0	24.5 36.7#

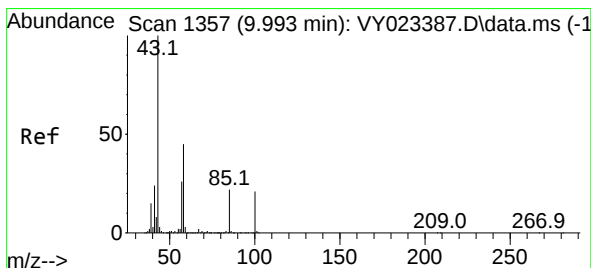
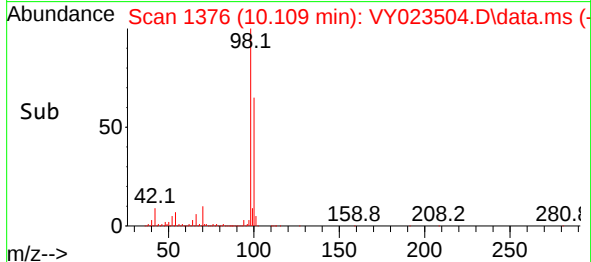
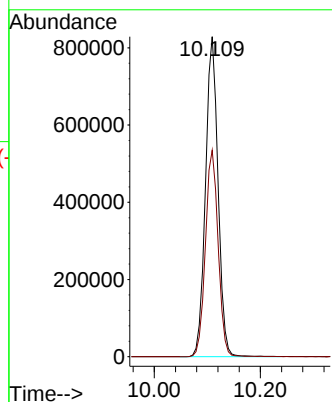
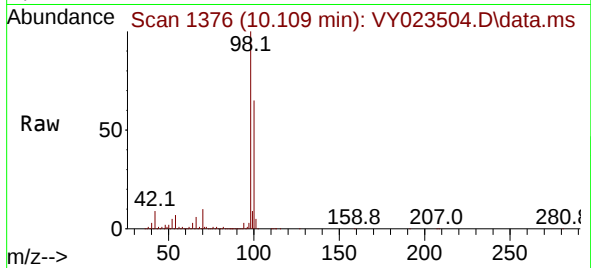




#50
Toluene-d8
Concen: 49.487 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

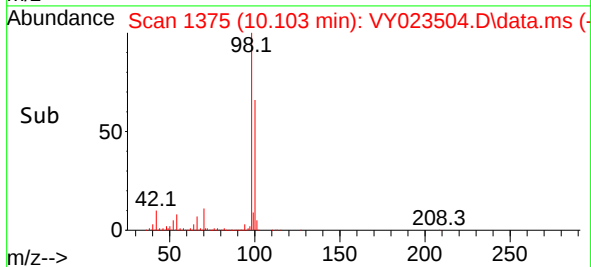
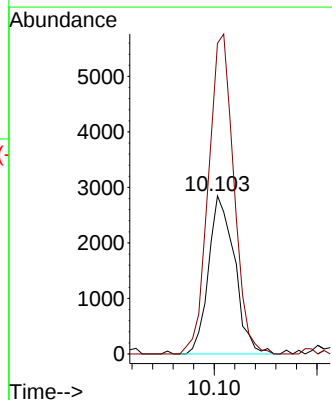
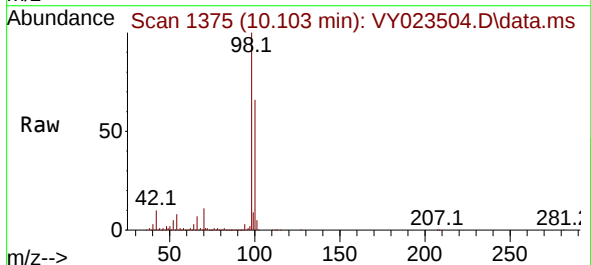
Instrument :
MSVOA_Y
ClientSampleId :

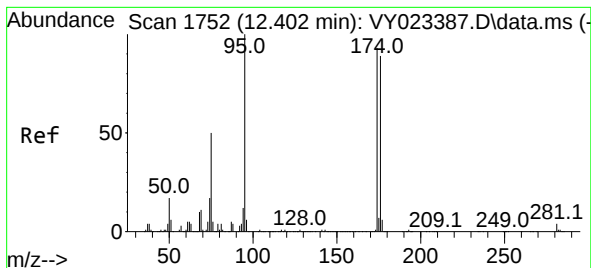
Tgt Ion: 98 Resp: 1355637
Ion Ratio Lower Upper
98 100
100 65.5 53.0 79.4



#51
4-Methyl-2-Pentanone
Concen: 1.259 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.110 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

Tgt Ion: 43 Resp: 5005
Ion Ratio Lower Upper
43 100
58 197.8 35.3 52.9#

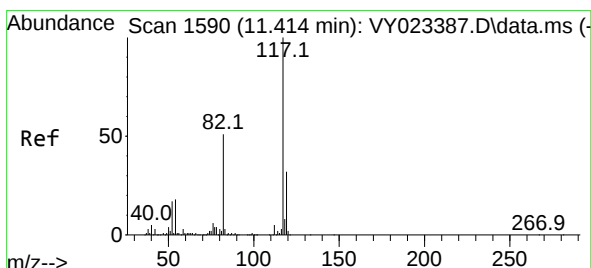
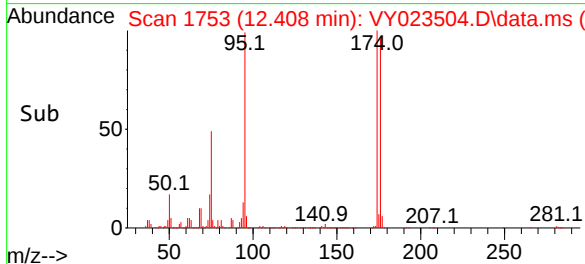
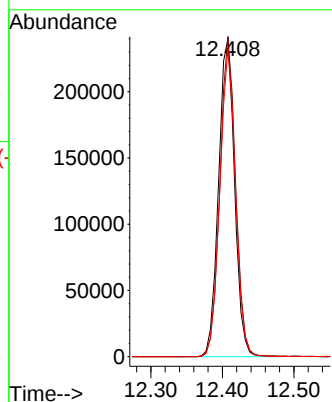
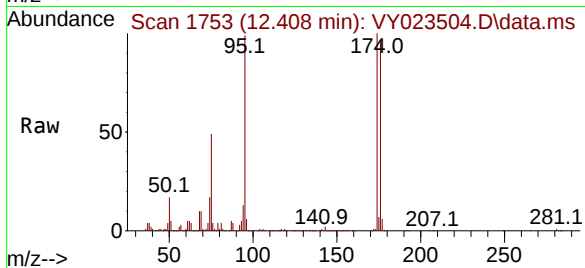




#62
4-Bromofluorobenzene
Concen: 41.273 ug/l
RT: 12.408 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

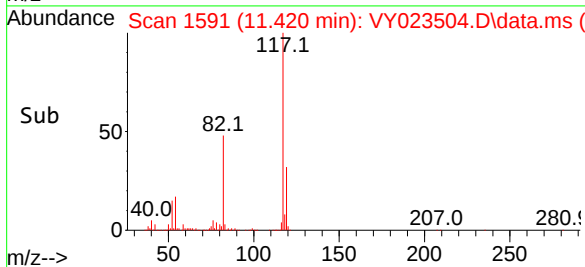
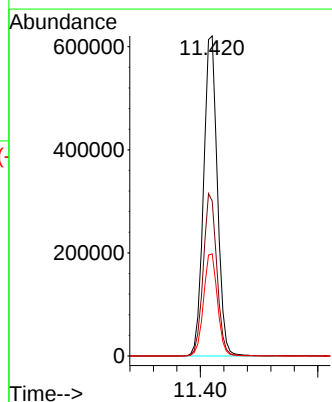
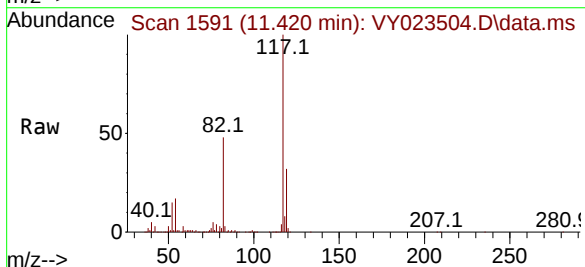
Instrument :
MSVOA_Y
ClientSampleId :

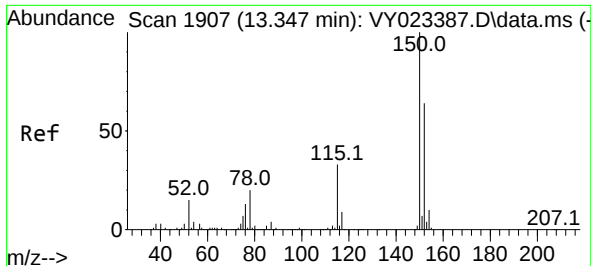
Tgt Ion: 95 Resp: 373273
Ion Ratio Lower Upper
95 100
174 99.0 0.0 192.8
176 94.4 0.0 187.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023504.D
Acq: 20 Oct 2025 13:18

Tgt Ion: 117 Resp: 1011773
Ion Ratio Lower Upper
117 100
82 48.5 41.0 61.4
119 31.9 25.6 38.4

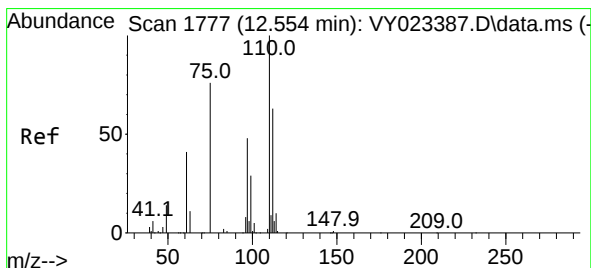
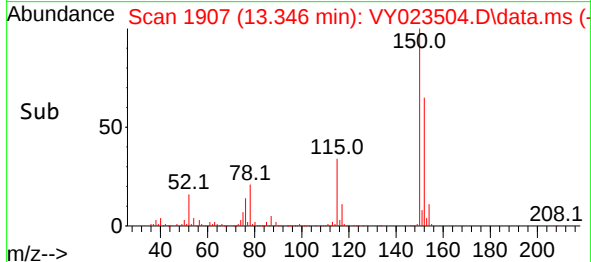
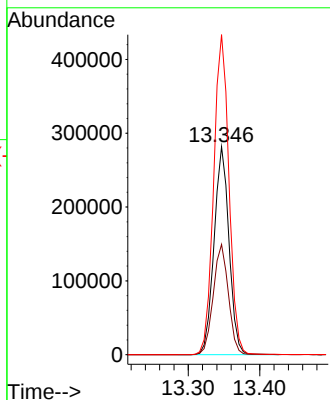
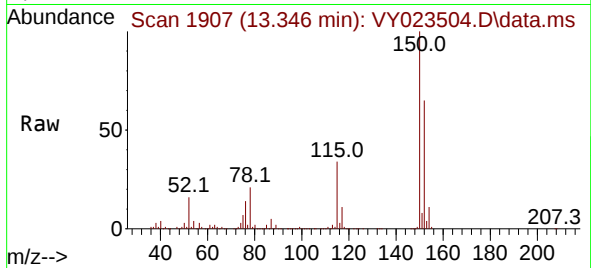




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY023504.D
 Acq: 20 Oct 2025 13:18

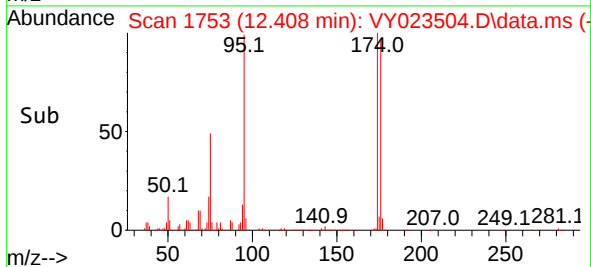
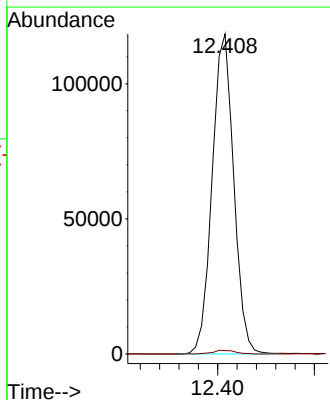
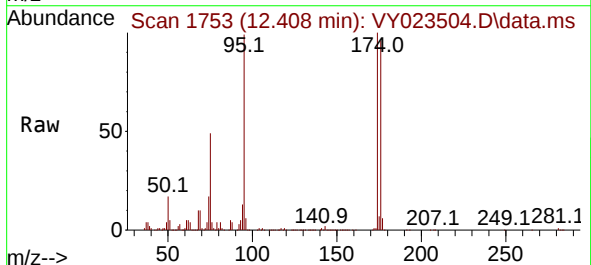
Instrument :
 MSVOA_Y
 ClientSampleId :

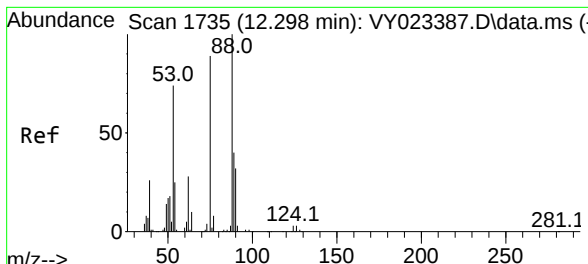
Tgt Ion:152 Resp: 409115
 Ion Ratio Lower Upper
 152 100
 115 53.7 27.1 81.2
 150 157.2 0.0 347.4



#76
 1,2,3-Trichloropropane
 Concen: 50.738 ug/l
 RT: 12.408 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023504.D
 Acq: 20 Oct 2025 13:18

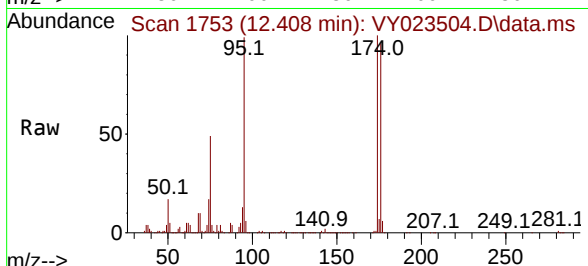
Tgt Ion: 75 Resp: 183137
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 124.418 ug/l
 RT: 12.408 min Scan# 11
 Delta R.T. 0.110 min
 Lab File: VY023504.D
 Acq: 20 Oct 2025 13:18

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion: 75 Resp: 183137
 Ion Ratio Lower Upper
 75 100
 53 0.2 68.6 102.8#
 89 0.0 39.0 58.4#

