

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120225\
 Data File : VY023860.D
 Acq On : 02 Dec 2025 15:33
 Operator : SY/MD
 Sample : VIBLK
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Dec 03 01:04:39 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 27 01:14:36 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

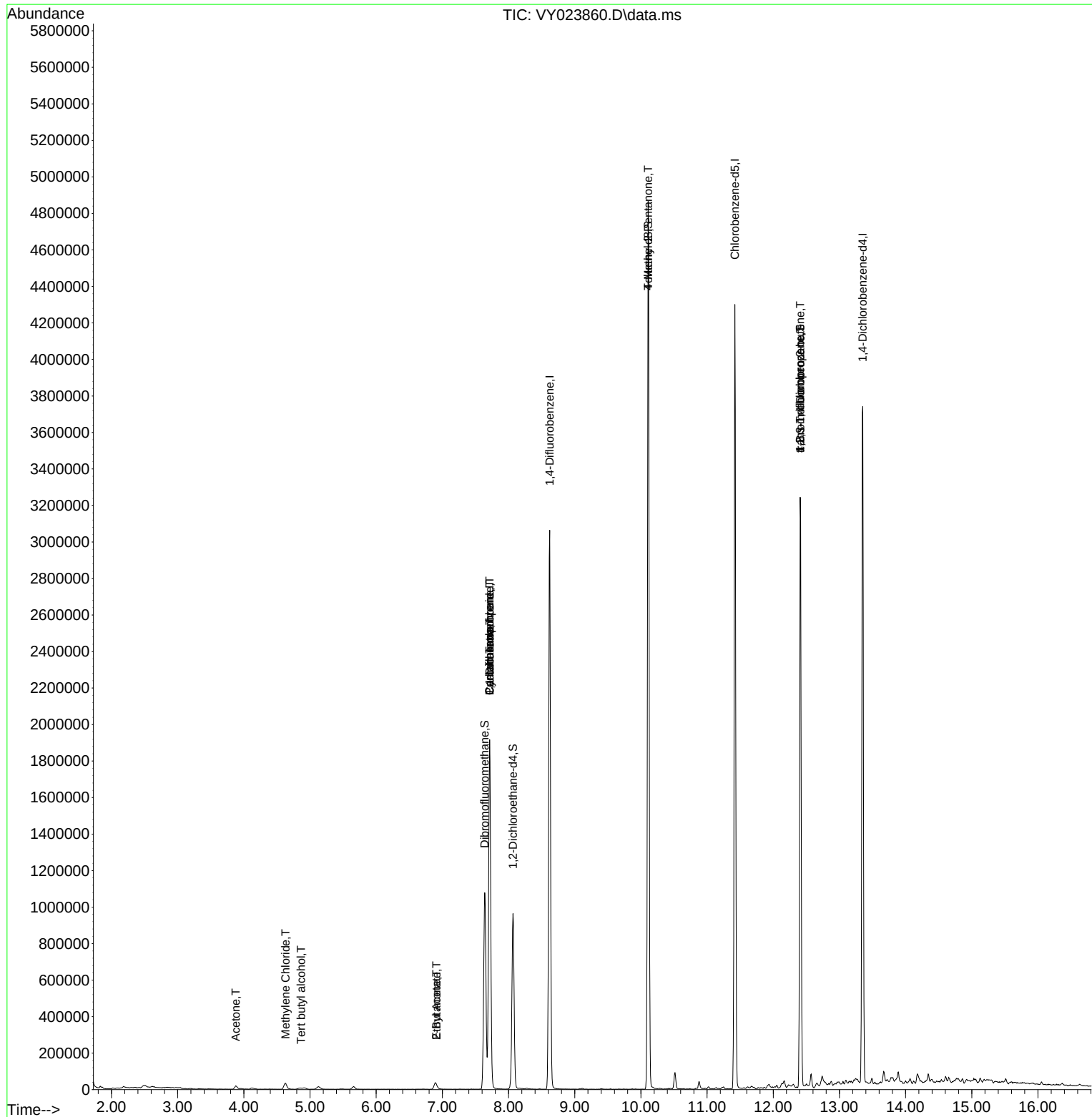
Internal Standards						
1) Pentafluorobenzene	7.713	168	1482875	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	2580044	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	2213455	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	970055	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	742207	51.396	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.800%	
35) Dibromofluoromethane	7.640	113	782357	51.188	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.380%	
50) Toluene-d8	10.109	98	3088230	50.871	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.740%	
62) 4-Bromofluorobenzene	12.407	95	949202	47.520	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 95.040%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.866	59	10840	9.140	ug/l #	93
16) Acetone	3.878	43	31605	7.596	ug/l	98
20) Methylene Chloride	4.628	84	24373	1.386	ug/l	91
25) 2-Butanone	6.908	43	11266	2.219	ug/l #	86
31) Cyclohexane	7.713	56	30971	1.116	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	114092	4.869	ug/l #	50
37) Ethyl Acetate	6.908	43	11266	1.022	ug/l #	85
38) Carbon Tetrachloride	7.713	117	144661	5.624	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	13165	1.214	ug/l #	1
76) 1,2,3-Trichloropropane	12.407	75	497925	59.026	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.407	75	497925	124.762	ug/l #	14

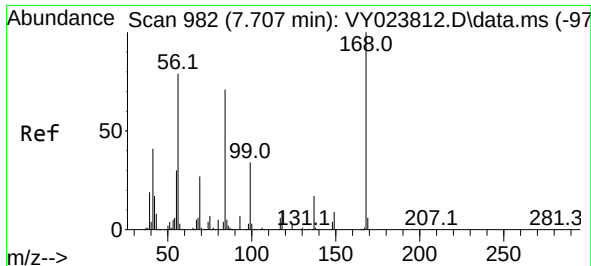
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Dec 03 01:04:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y112625S.M
Quant Title : SW846 8260
QLast Update : Thu Nov 27 01:14:36 2025
Response via : Initial Calibration

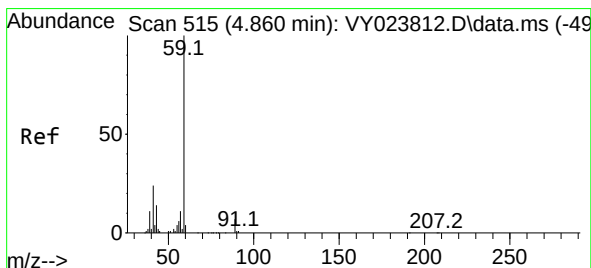
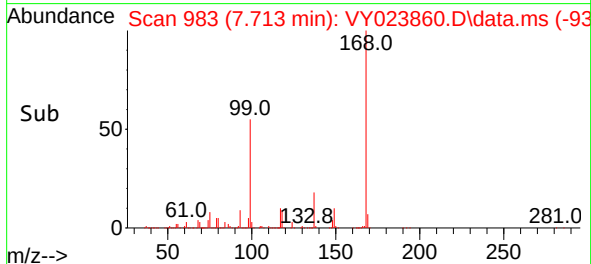
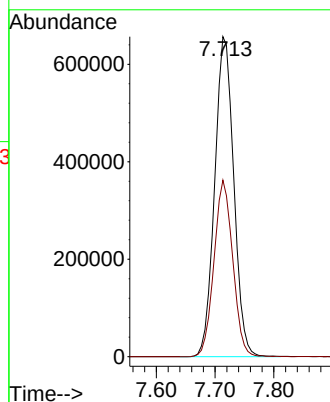
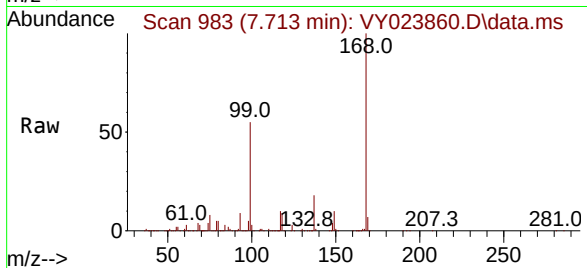




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

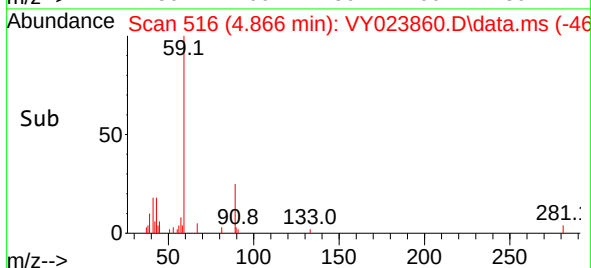
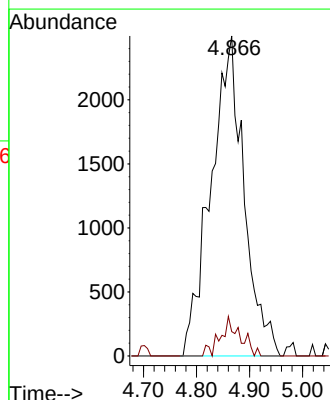
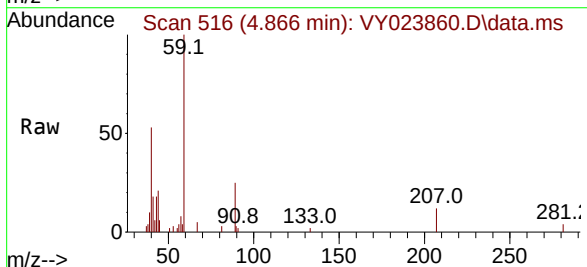
Instrument :
MSVOA_Y
ClientSampleId :

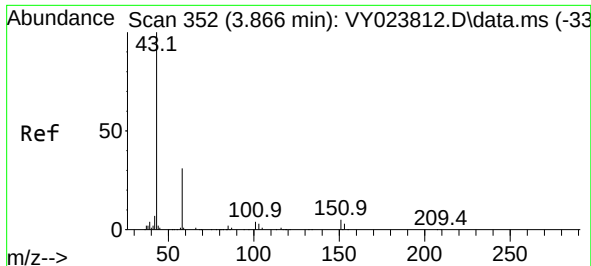
Tgt Ion:168 Resp: 1482875
Ion Ratio Lower Upper
168 100
99 55.1 44.0 66.0



#11
Tert butyl alcohol
Concen: 9.140 ug/l
RT: 4.866 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 59 Resp: 10840
Ion Ratio Lower Upper
59 100
57 7.3 8.0 12.0#





#16

Acetone

Concen: 7.596 ug/l

RT: 3.878 min Scan# 316

Delta R.T. 0.012 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Instrument :

MSVOA_Y

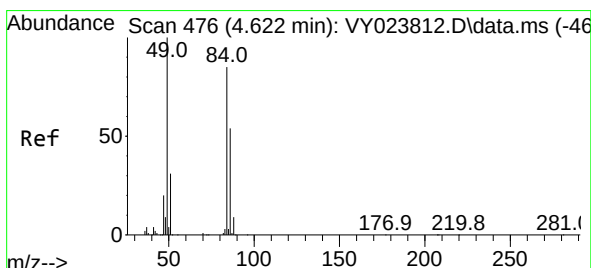
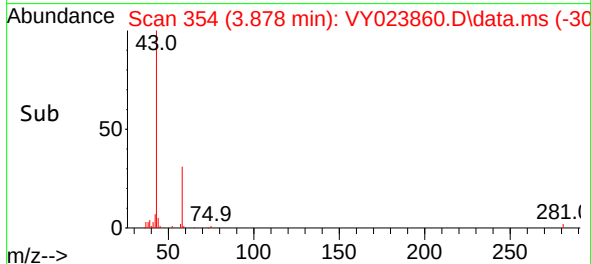
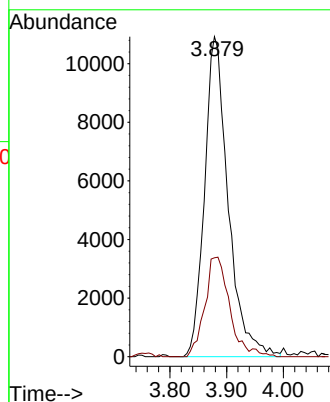
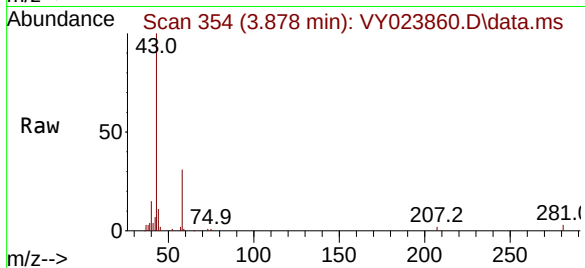
ClientSampleId :

Tgt Ion: 43 Resp: 31605

Ion Ratio Lower Upper

43 100

58 30.9 25.4 38.2



#20

Methylene Chloride

Concen: 1.386 ug/l

RT: 4.628 min Scan# 477

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Tgt Ion: 84 Resp: 24373

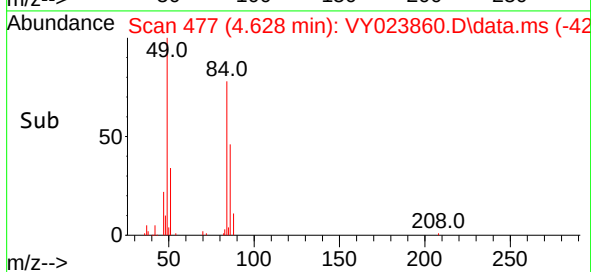
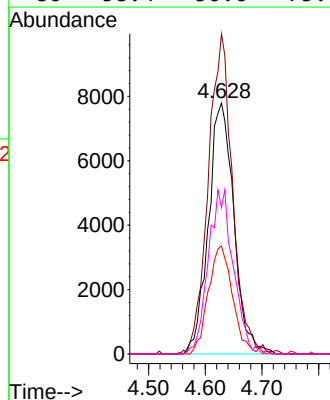
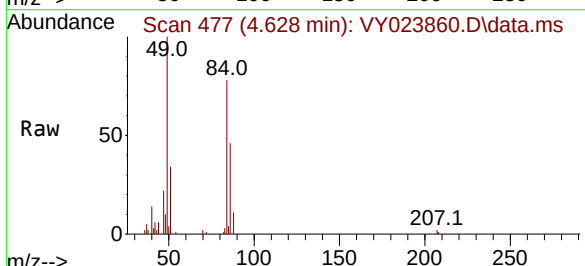
Ion Ratio Lower Upper

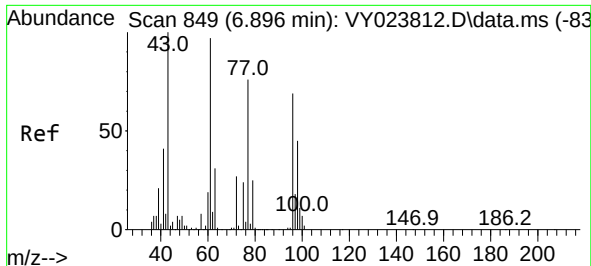
84 100

49 127.6 94.0 141.0

51 43.1 29.2 43.8

86 58.4 50.6 75.8

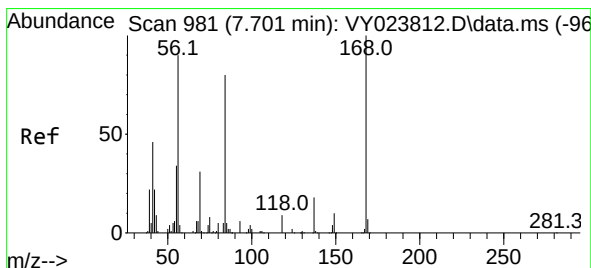
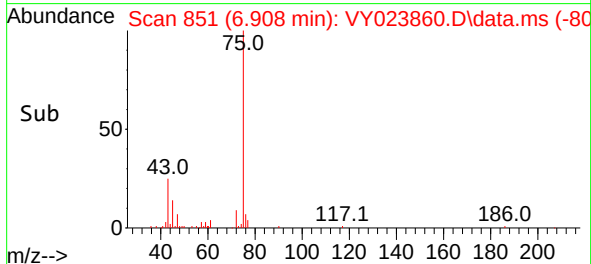
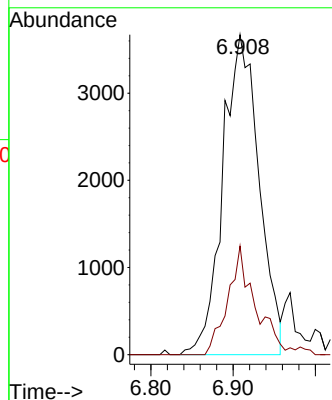
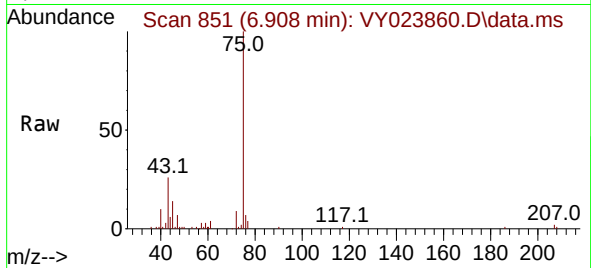




#25
2-Butanone
Concen: 2.219 ug/l
RT: 6.908 min Scan# 81
Delta R.T. 0.012 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

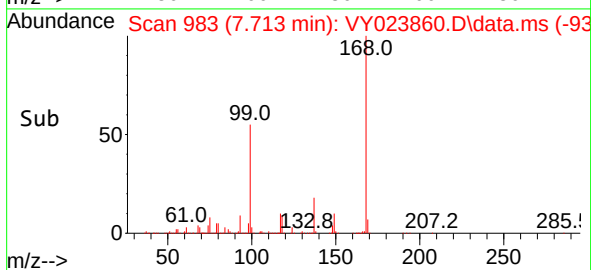
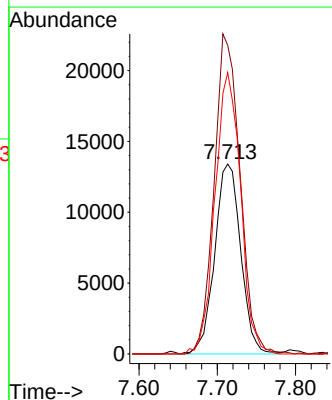
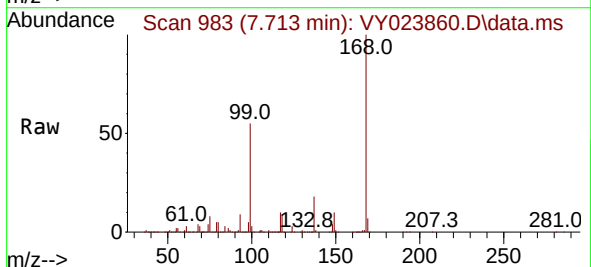
Instrument :
MSVOA_Y
ClientSampleId :

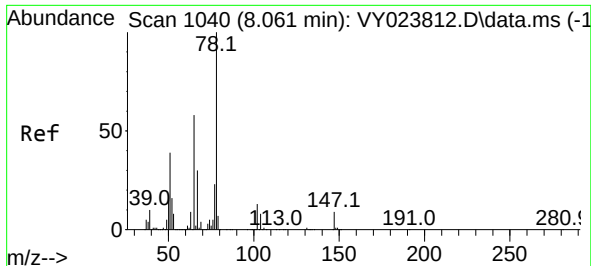
Tgt Ion: 43 Resp: 11266
Ion Ratio Lower Upper
43 100
72 33.9 21.3 31.9#



#31
Cyclohexane
Concen: 1.116 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.012 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 56 Resp: 30971
Ion Ratio Lower Upper
56 100
69 162.5 27.8 41.6#
84 148.2 71.8 107.8#





#33

1,2-Dichloroethane-d4

Concen: 51.396 ug/l

RT: 8.067 min Scan# 110

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Instrument :

MSVOA_Y

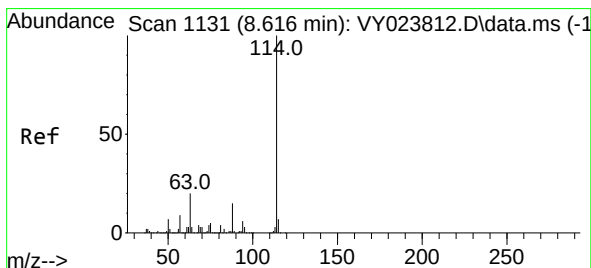
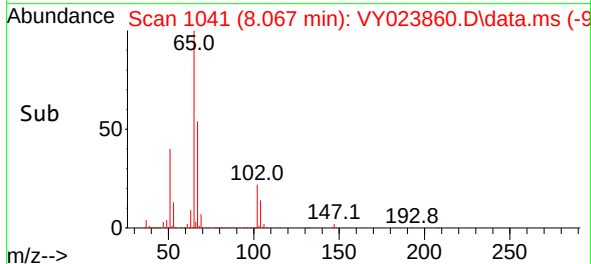
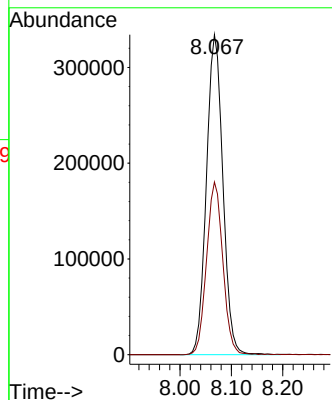
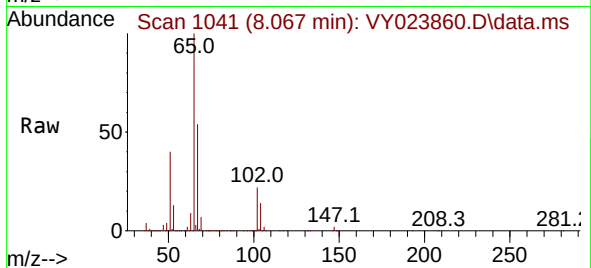
ClientSampleId :

Tgt Ion: 65 Resp: 742207

Ion Ratio Lower Upper

65 100

67 53.4 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

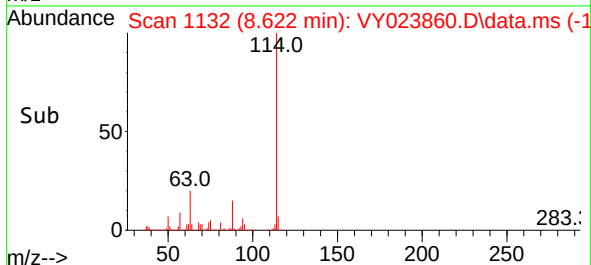
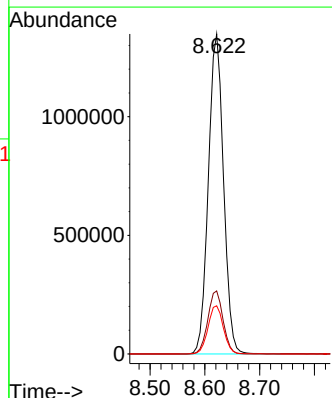
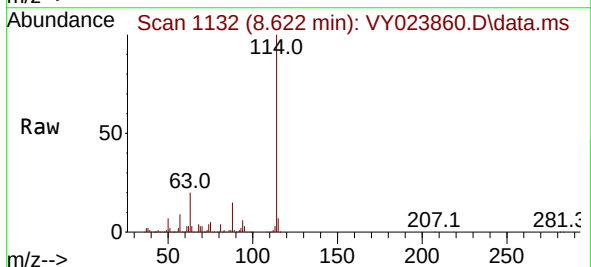
Tgt Ion:114 Resp: 2580044

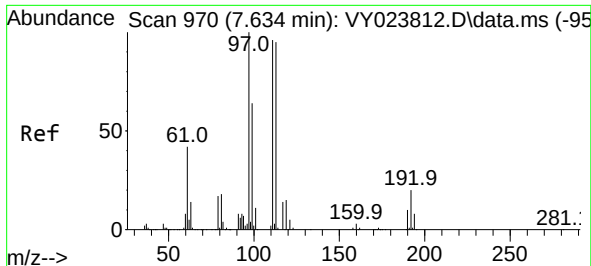
Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.4

88 15.0 0.0 30.8

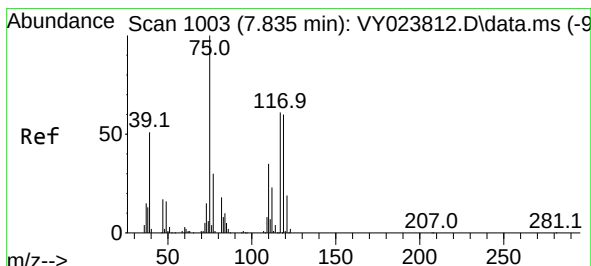
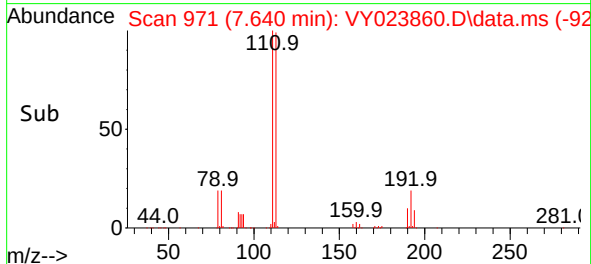
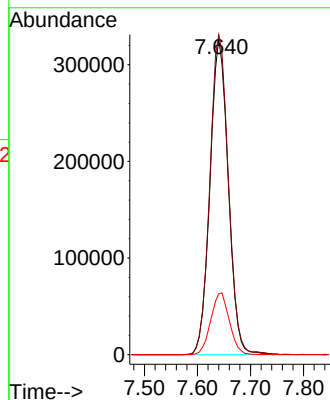
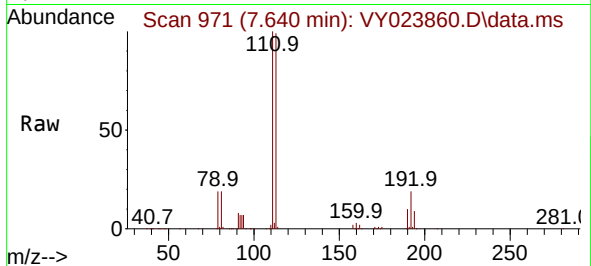




#35
Dibromofluoromethane
Concen: 51.188 ug/l
RT: 7.640 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

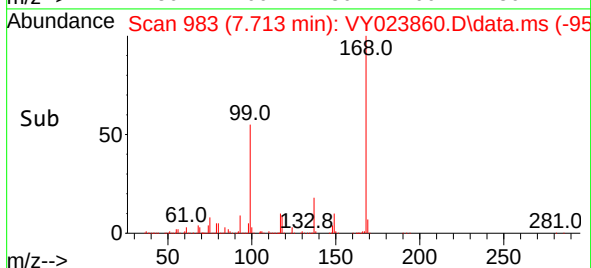
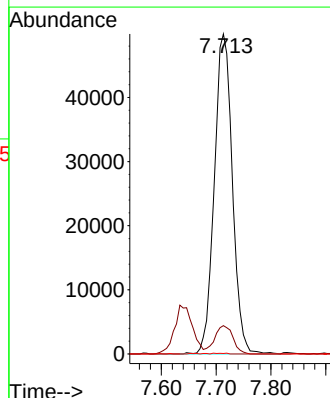
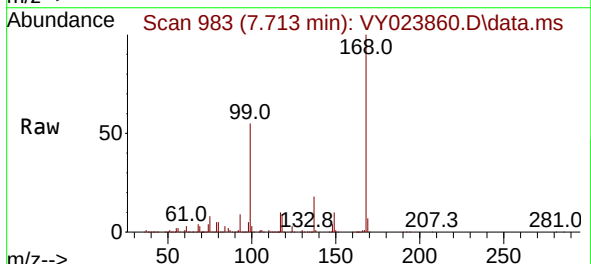
Instrument :
MSVOA_Y
ClientSampleId :

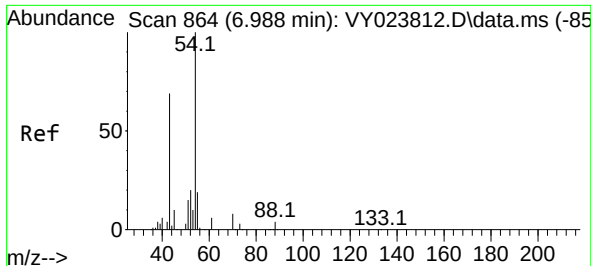
Tgt Ion:113 Resp: 782357
Ion Ratio Lower Upper
113 100
111 102.9 81.4 122.0
192 20.0 15.8 23.8



#36
1,1-Dichloropropene
Concen: 4.869 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.122 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 75 Resp: 114092
Ion Ratio Lower Upper
75 100
110 9.0 17.6 52.8#
77 0.2 24.9 37.3#





#37

Ethyl Acetate

Concen: 1.022 ug/l

RT: 6.908 min Scan# 81

Delta R.T. -0.079 min

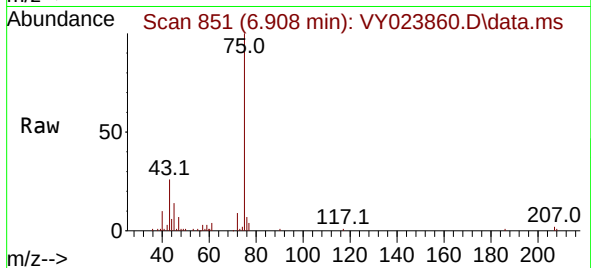
Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

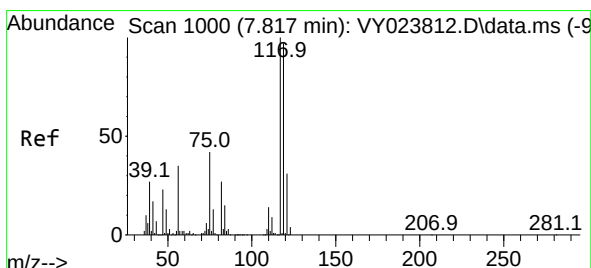
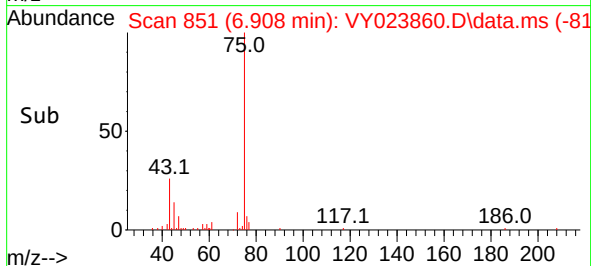
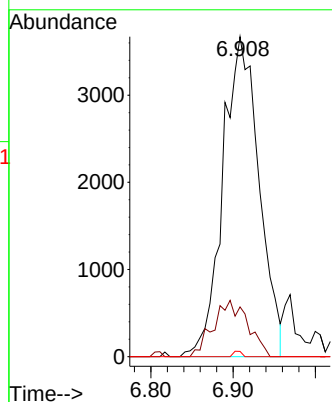
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	43	Resp:	11266
Ion	Ratio	Lower	Upper
43	100		
61	16.8	11.0	16.6#
70	0.4	8.1	12.1#



#38

Carbon Tetrachloride

Concen: 5.624 ug/l

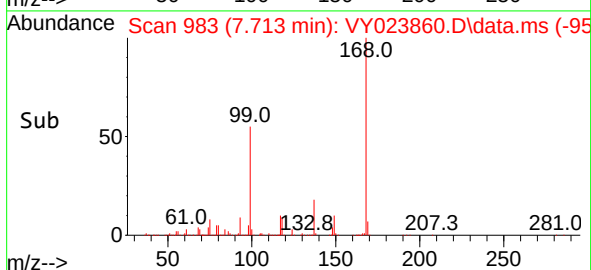
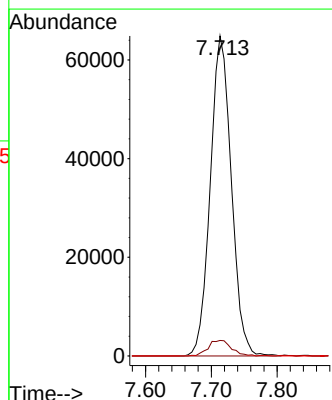
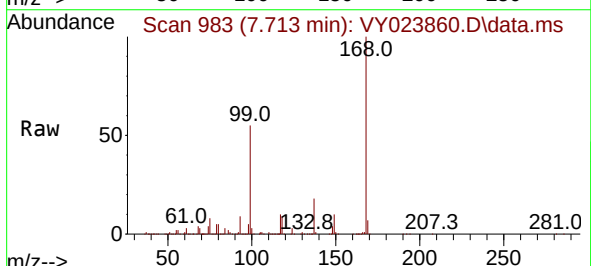
RT: 7.713 min Scan# 983

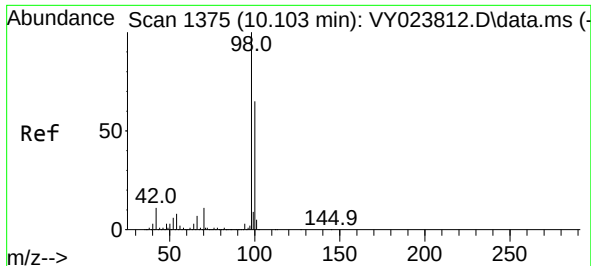
Delta R.T. -0.104 min

Lab File: VY023860.D

Acq: 02 Dec 2025 15:33

Tgt Ion:	117	Resp:	144661
Ion	Ratio	Lower	Upper
117	100		
119	4.9	77.3	115.9#
121	0.0	25.0	37.6#

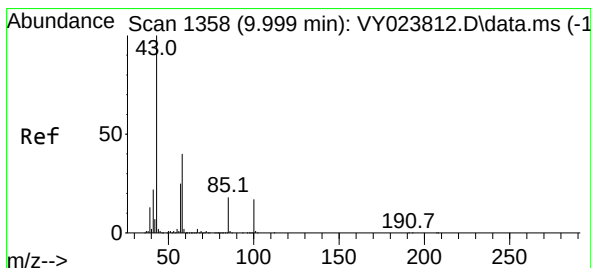
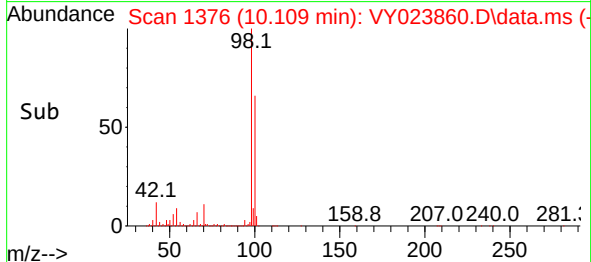
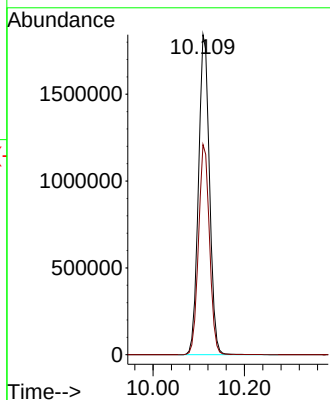
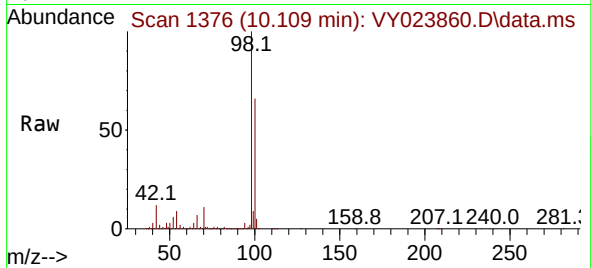




#50
Toluene-d8
Concen: 50.871 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

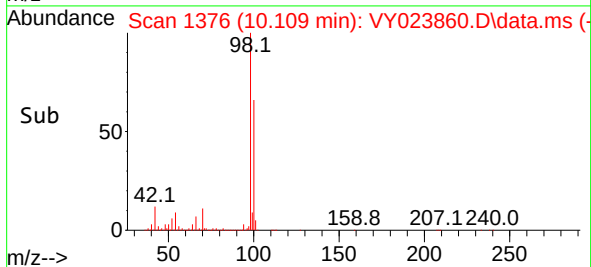
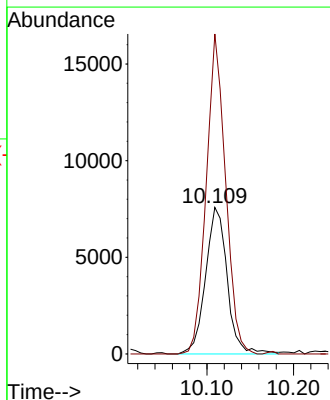
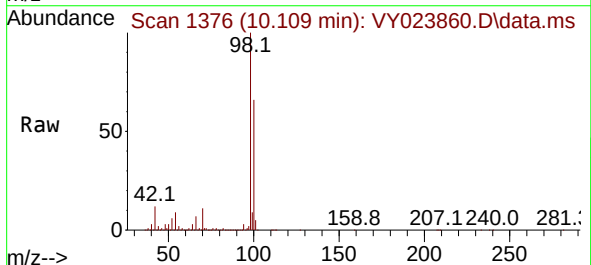
Instrument :
MSVOA_Y
ClientSampleId :

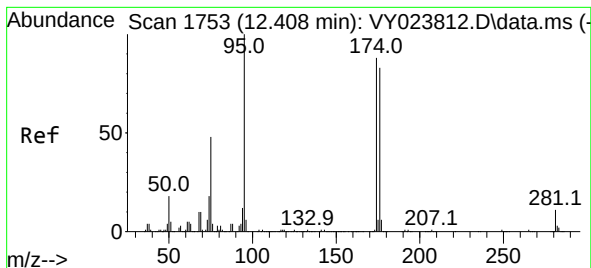
Tgt Ion: 98 Resp: 3088230
Ion Ratio Lower Upper
98 100
100 65.3 51.9 77.9



#51
4-Methyl-2-Pentanone
Concen: 1.214 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.110 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 43 Resp: 13165
Ion Ratio Lower Upper
43 100
58 194.8 32.4 48.6#

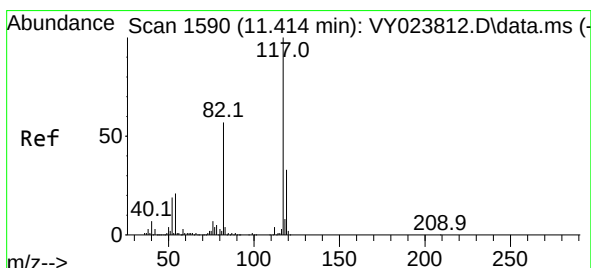
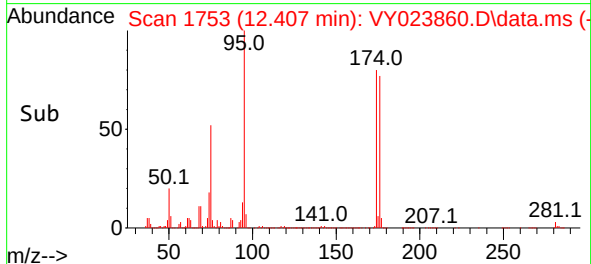
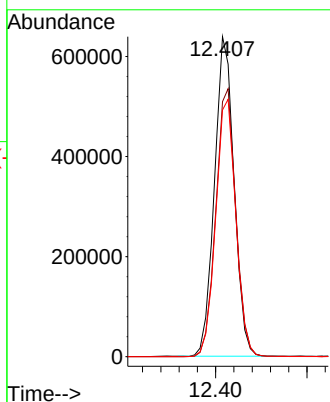
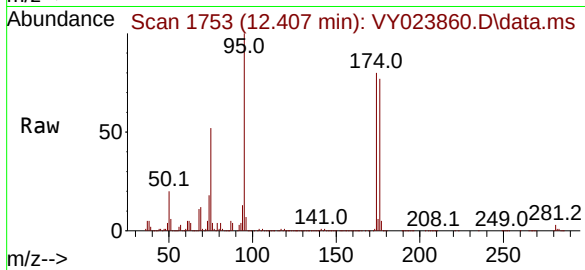




#62
4-Bromofluorobenzene
Concen: 47.520 ug/l
RT: 12.407 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

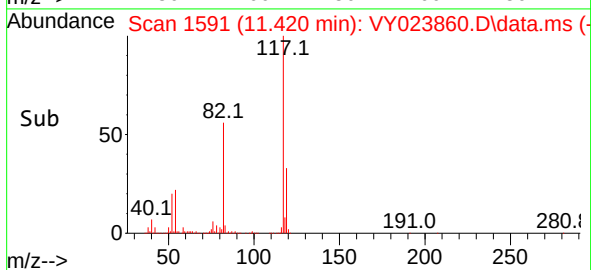
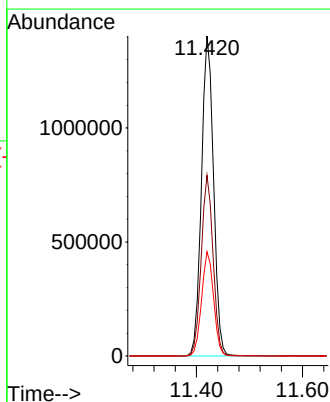
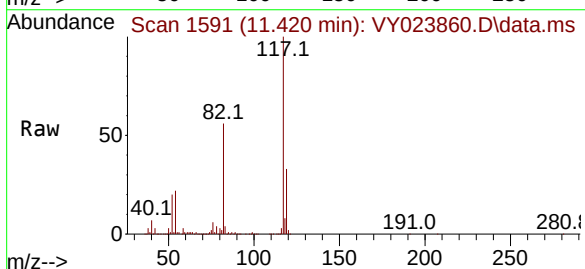
Instrument :
MSVOA_Y
ClientSampleId :

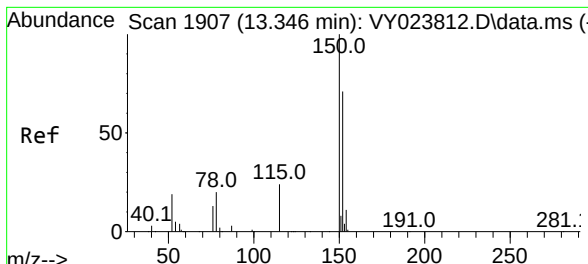
Tgt Ion: 95 Resp: 949202
Ion Ratio Lower Upper
95 100
174 86.1 0.0 168.6
176 83.0 0.0 164.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. 0.006 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Tgt Ion: 117 Resp: 2213455
Ion Ratio Lower Upper
117 100
82 56.4 45.4 68.0
119 32.5 26.0 39.0

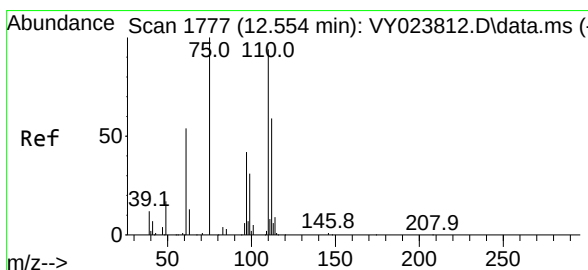
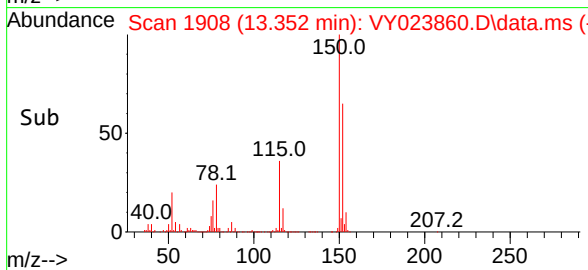
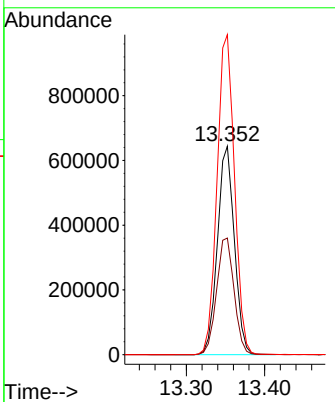
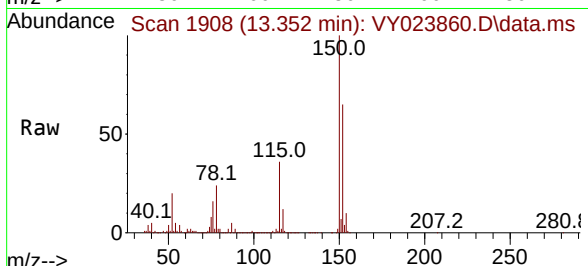




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1908
 Delta R.T. 0.006 min
 Lab File: VY023860.D
 Acq: 02 Dec 2025 15:33

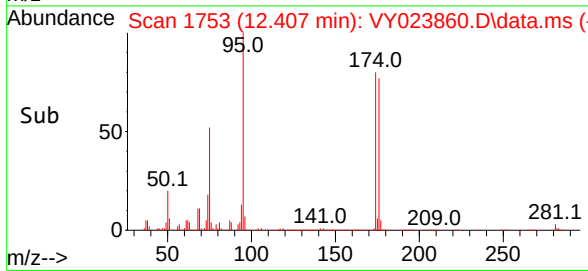
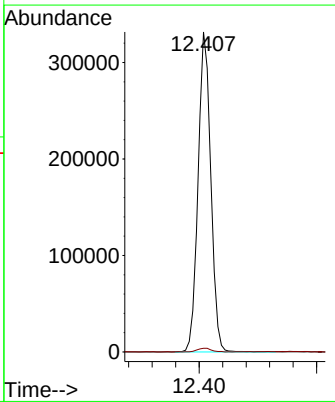
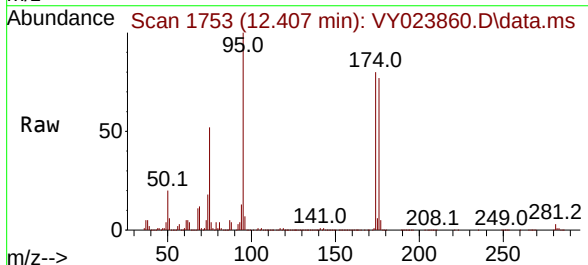
Instrument :
 MSVOA_Y
 ClientSampleId :

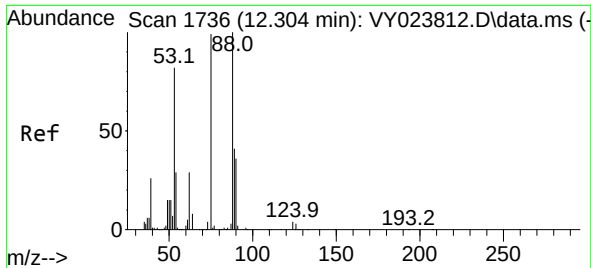
Tgt Ion:	152	Resp:	970055
Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.7	86.3
150	157.8	0.0	345.6



#76
 1,2,3-Trichloropropane
 Concen: 59.026 ug/l
 RT: 12.407 min Scan# 1753
 Delta R.T. -0.146 min
 Lab File: VY023860.D
 Acq: 02 Dec 2025 15:33

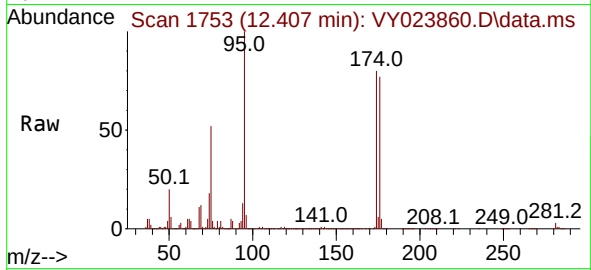
Tgt Ion:	75	Resp:	497925
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 124.762 ug/l
RT: 12.407 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY023860.D
Acq: 02 Dec 2025 15:33

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	75	Resp:	497925
Ion	Ratio	Lower	Upper
75	100		
53	0.2	71.3	106.9#
89	0.0	37.0	55.4#

