

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY110325\  
 Data File : VY023655.D  
 Acq On : 03 Nov 2025 13:50  
 Operator : SY/MD  
 Sample : Q3519-01  
 Misc : 7.91g/5.0mL/MSVOA\_Y/SOIL/A  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

Quant Time: Nov 04 01:33:23 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

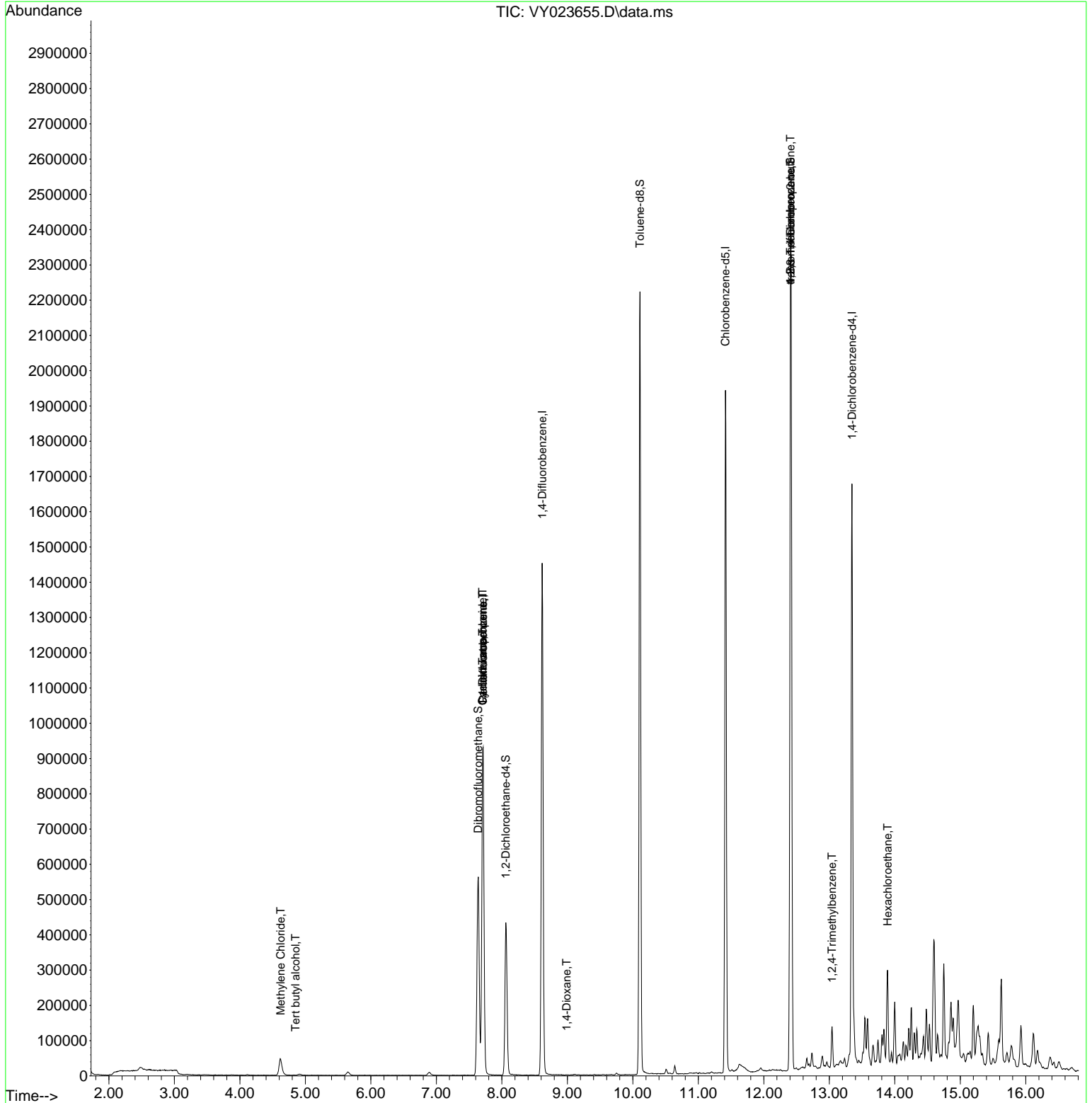
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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Internal Standards						
1) Pentafluorobenzene	7.713	168	804097	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1332446	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1121835	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	456840	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	335475	49.892	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.780%
35) Dibromofluoromethane	7.640	113	407965	49.829	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.660%
50) Toluene-d8	10.109	98	1495635	49.053	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.408	95	449433	44.647	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	89.300%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.848	59	601	1.201	ug/l #	72
20) Methylene Chloride	4.623	84	38024	4.393	ug/l	97
31) Cyclohexane	7.707	56	13419	1.200	ug/l #	2
36) 1,1-Dichloropropene	7.707	75	50170	4.629	ug/l #	48
38) Carbon Tetrachloride	7.707	117	71661	5.452	ug/l #	15
49) 1,4-Dioxane	8.988	88	120	2.159	ug/l #	1
76) 1,2,3-Trichloropropane	12.408	75	225033	55.832	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.408	75	225033	136.910	ug/l #	15
84) 1,2,4-Trimethylbenzene	13.042	105	63933	2.633	ug/l	99
90) Hexachloroethane	13.889	117	8213	1.392	ug/l #	6
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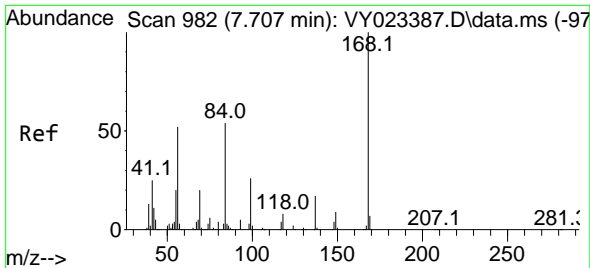
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Nov 04 01:33:23 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

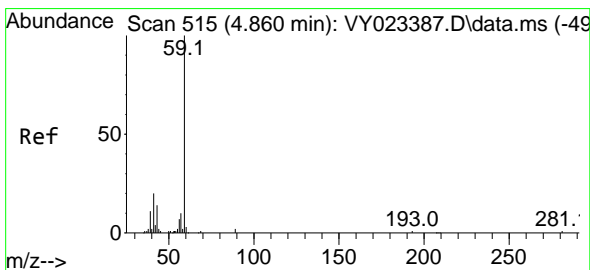
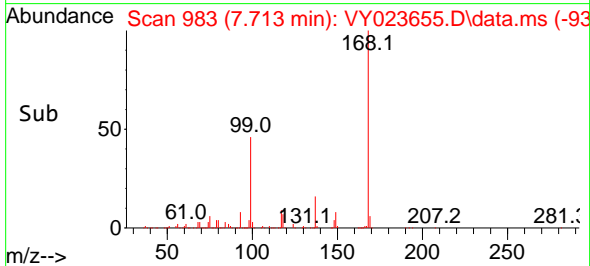
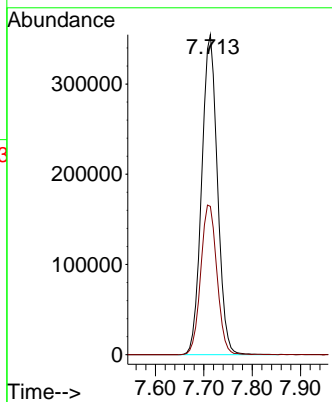
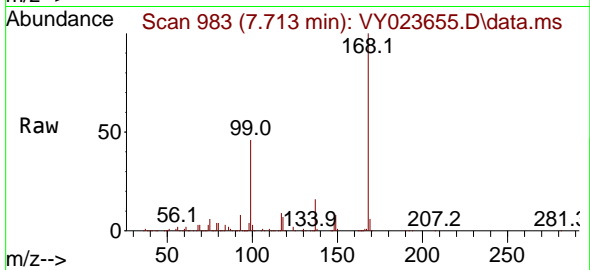




#1  
 Pentafluorobenzene  
 Concen: 50.000 ug/l  
 RT: 7.713 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

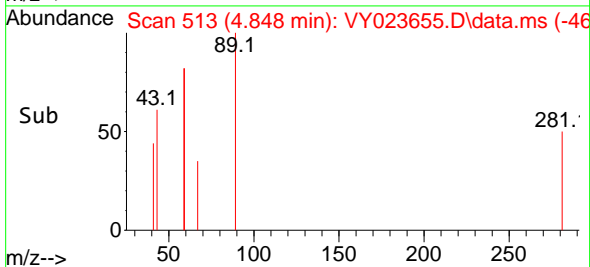
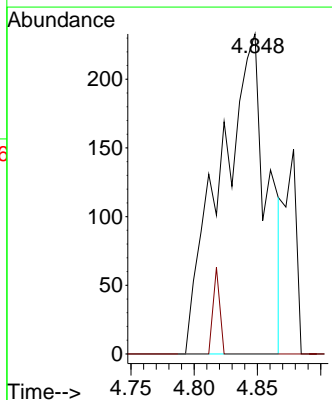
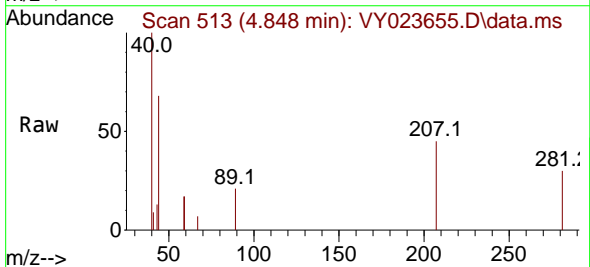
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

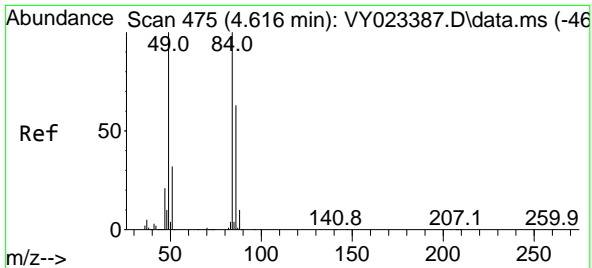
Tgt Ion:168 Resp: 804097  
 Ion Ratio Lower Upper  
 168 100  
 99 46.3 39.7 59.5



#11  
 Tert butyl alcohol  
 Concen: 1.201 ug/l  
 RT: 4.848 min Scan# 513  
 Delta R.T. -0.012 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

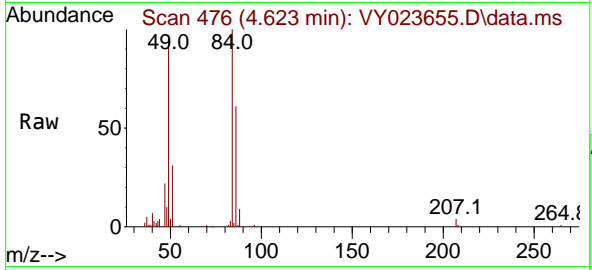
Tgt Ion: 59 Resp: 601  
 Ion Ratio Lower Upper  
 59 100  
 57 0.0 8.3 12.5#





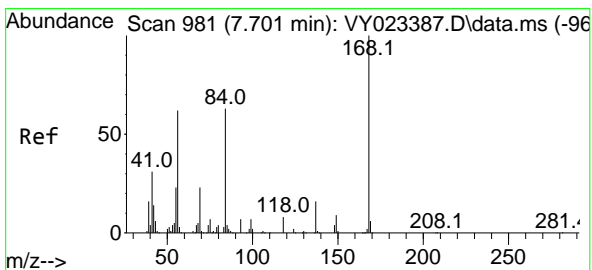
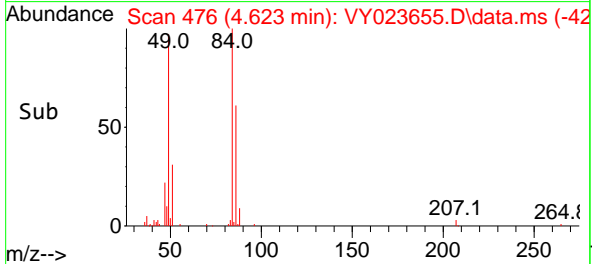
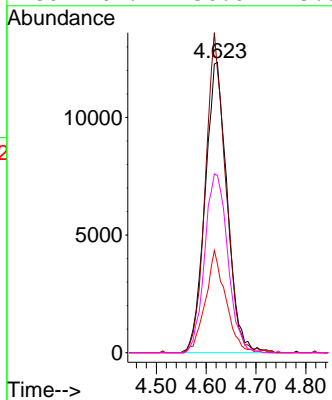
#20  
 Methylene Chloride  
 Concen: 4.393 ug/l  
 RT: 4.623 min Scan# 41  
 Delta R.T. 0.006 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion: 84 Resp: 38024

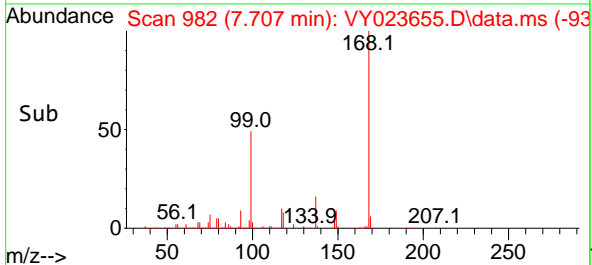
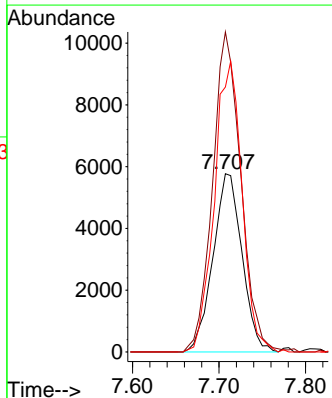
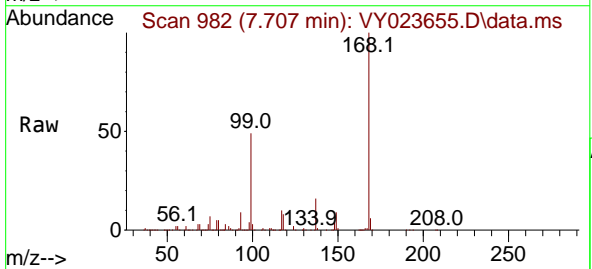
Ion	Ratio	Lower	Upper
84	100		
49	97.4	80.2	120.4
51	30.6	25.9	38.9
86	61.1	50.6	75.8

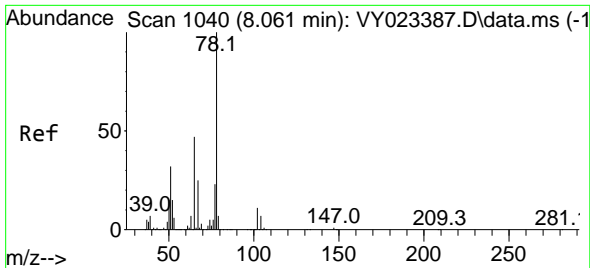


#31  
 Cyclohexane  
 Concen: 1.200 ug/l  
 RT: 7.707 min Scan# 982  
 Delta R.T. 0.006 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Tgt Ion: 56 Resp: 13419

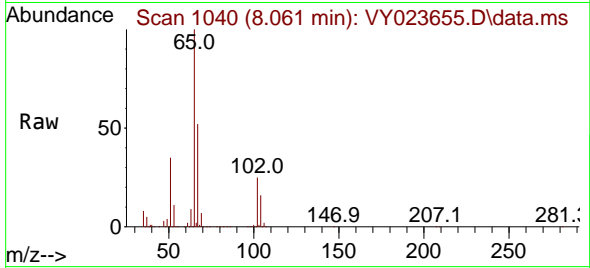
Ion	Ratio	Lower	Upper
56	100		
69	179.5	30.0	45.0#
84	148.6	81.2	121.8#



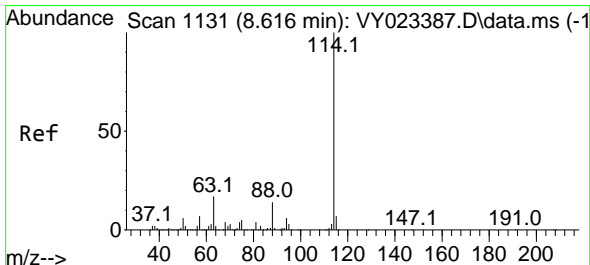
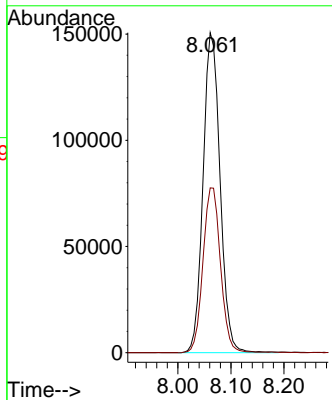
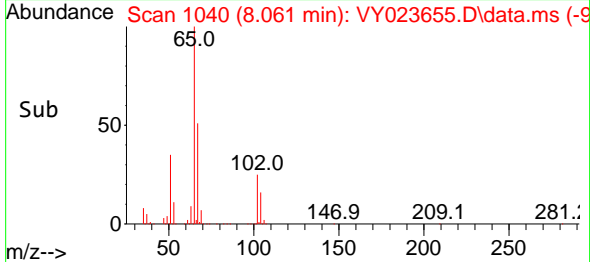


#33  
 1,2-Dichloroethane-d4  
 Concen: 49.892 ug/l  
 RT: 8.061 min Scan# 1040  
 Delta R.T. 0.000 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

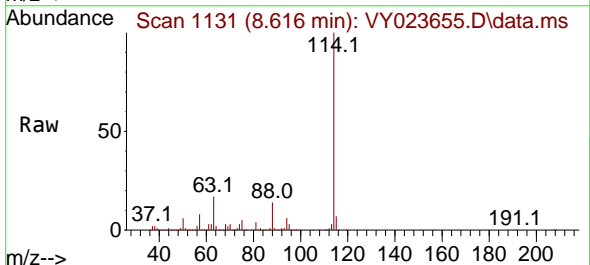
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



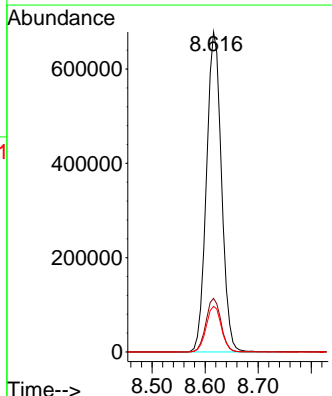
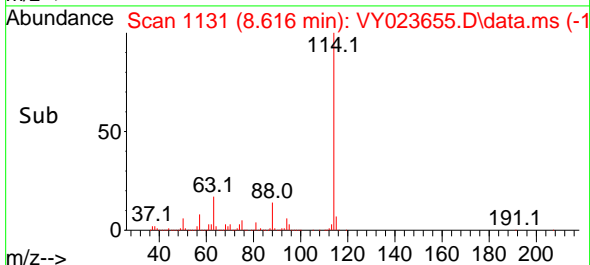
Tgt Ion: 65 Resp: 335475  
 Ion Ratio Lower Upper  
 65 100  
 67 53.1 0.0 105.8

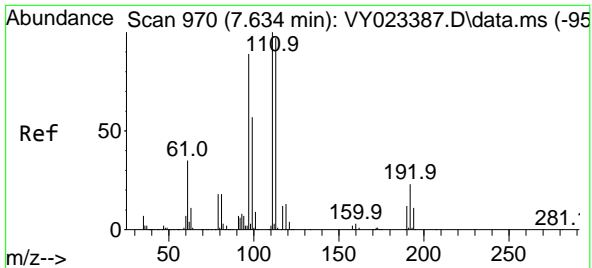


#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.616 min Scan# 1131  
 Delta R.T. 0.000 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50



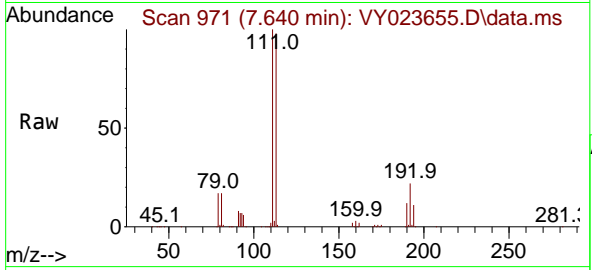
Tgt Ion: 114 Resp: 1332446  
 Ion Ratio Lower Upper  
 114 100  
 63 16.7 0.0 34.2  
 88 14.3 0.0 28.4





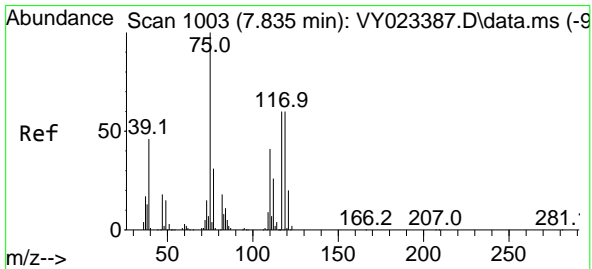
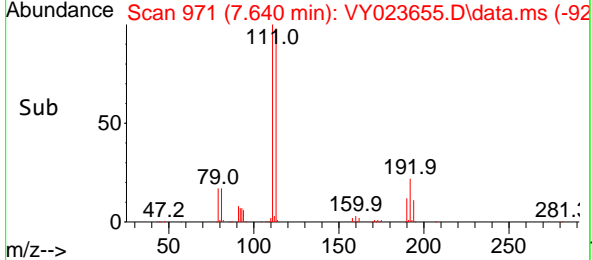
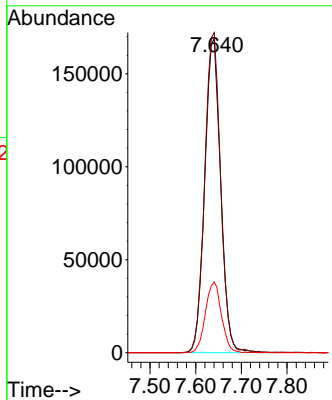
#35  
 Dibromofluoromethane  
 Concen: 49.829 ug/l  
 RT: 7.640 min Scan# 91  
 Delta R.T. 0.006 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :



Tgt Ion:113 Resp: 407965

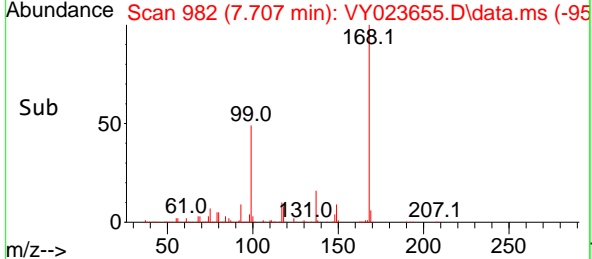
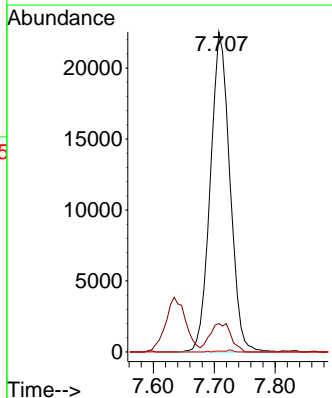
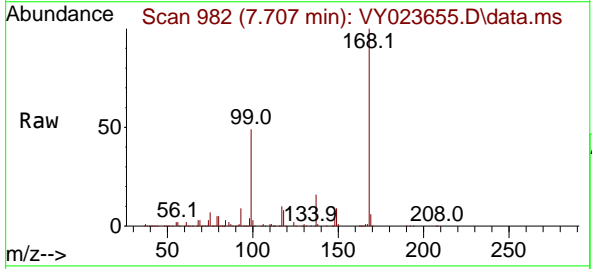
Ion	Ratio	Lower	Upper
113	100		
111	102.5	81.8	122.6
192	22.7	18.0	27.0

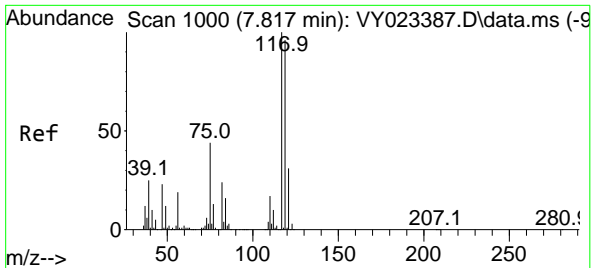


#36  
 1,1-Dichloropropene  
 Concen: 4.629 ug/l  
 RT: 7.707 min Scan# 982  
 Delta R.T. -0.128 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Tgt Ion: 75 Resp: 50170

Ion	Ratio	Lower	Upper
75	100		
110	9.7	19.9	59.7#
77	0.4	25.0	37.6#

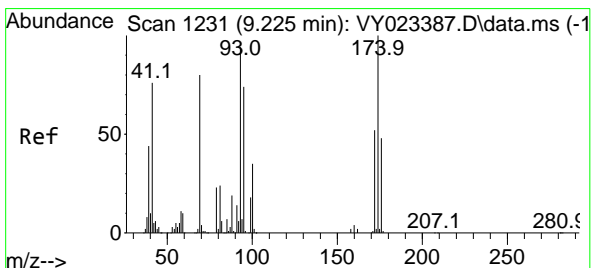
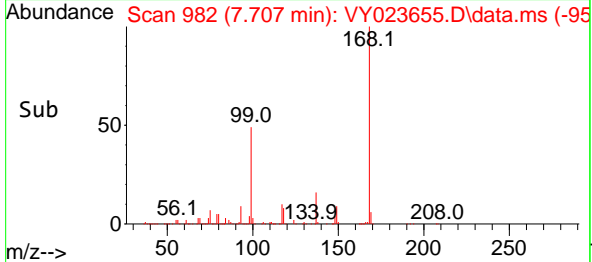
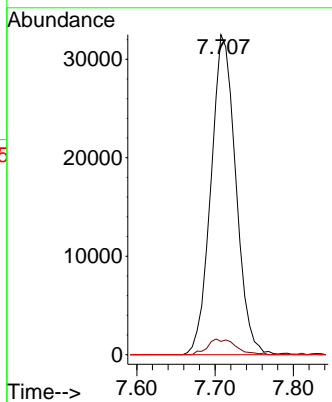
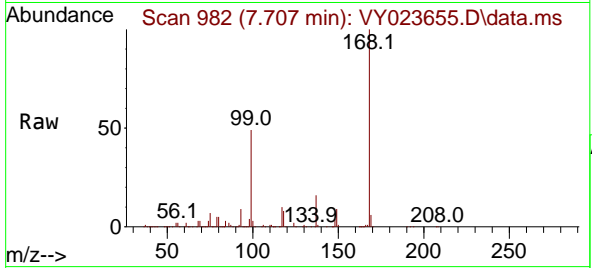




#38  
 Carbon Tetrachloride  
 Concen: 5.452 ug/l  
 RT: 7.707 min Scan# 91  
 Delta R.T. -0.110 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

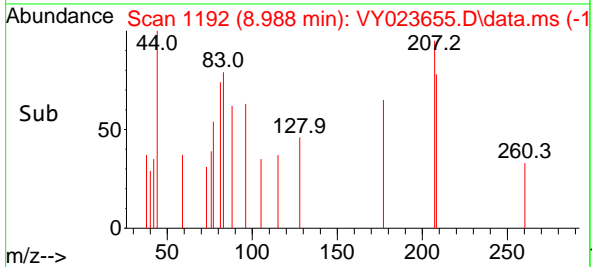
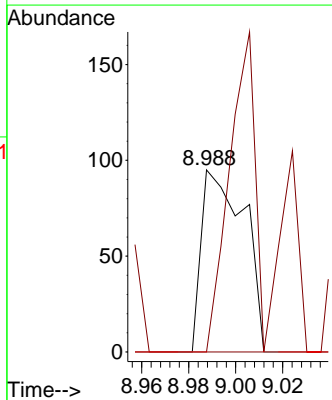
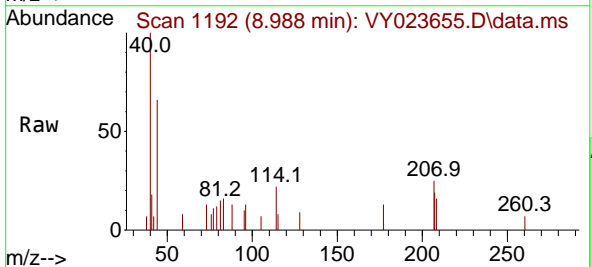
Instrument :  
 MSVOA\_Y  
 ClientSampleId :

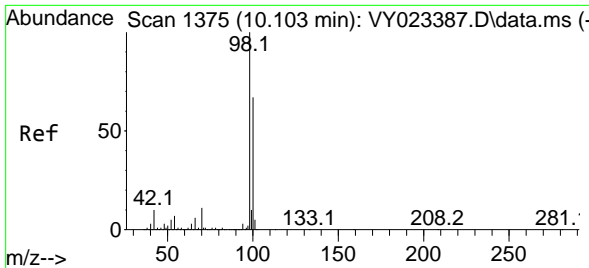
Tgt Ion:117 Resp: 71661  
 Ion Ratio Lower Upper  
 117 100  
 119 4.2 76.8 115.2#  
 121 0.0 24.5 36.7#



#49  
 1,4-Dioxane  
 Concen: 2.159 ug/l  
 RT: 8.988 min Scan# 1192  
 Delta R.T. -0.238 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

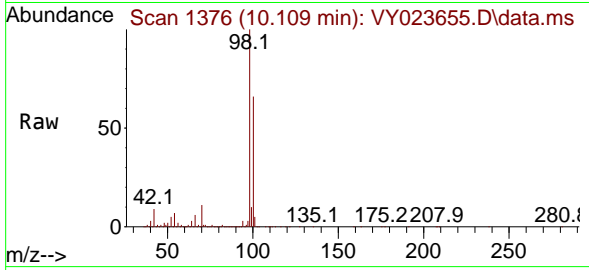
Tgt Ion: 88 Resp: 120  
 Ion Ratio Lower Upper  
 88 100  
 43 121.7 21.8 32.8#  
 58 0.0 46.8 70.2#



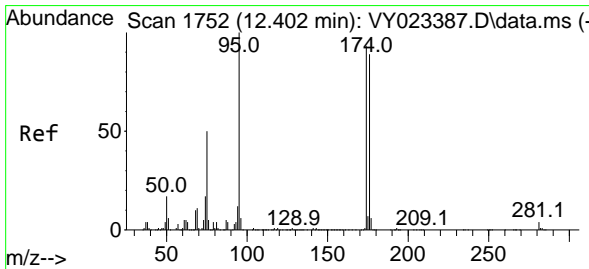
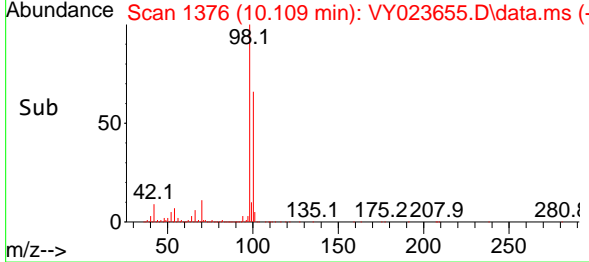
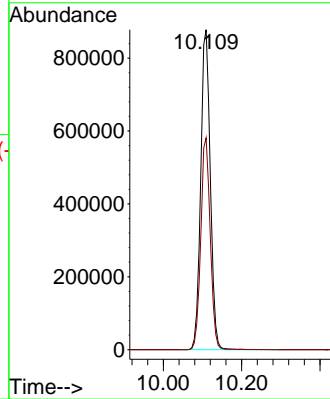


#50  
 Toluene-d8  
 Concen: 49.053 ug/l  
 RT: 10.109 min Scan# 11  
 Delta R.T. 0.006 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Instrument :  
 MSVOA\_Y  
 ClientSampleId :

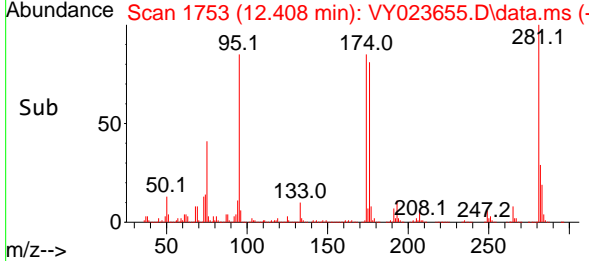
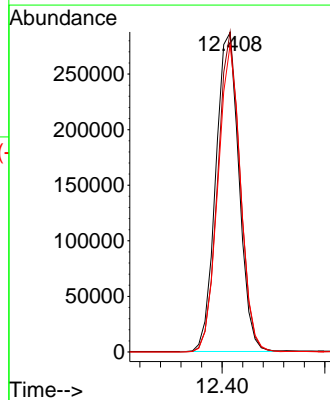
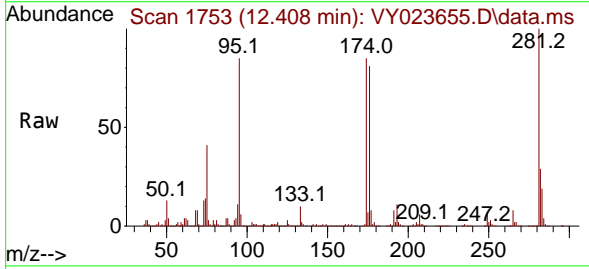


Tgt Ion: 98 Resp: 1495635  
 Ion Ratio Lower Upper  
 98 100  
 100 65.5 53.0 79.4

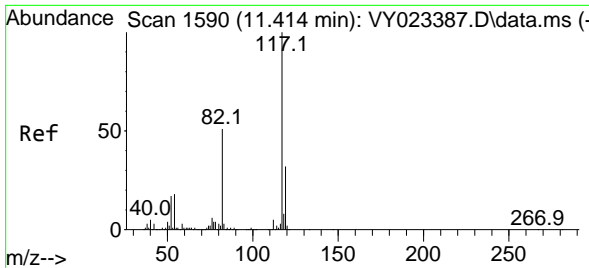


#62  
 4-Bromofluorobenzene  
 Concen: 44.647 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. 0.006 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Tgt Ion: 95 Resp: 449433  
 Ion Ratio Lower Upper  
 95 100  
 174 96.3 0.0 192.8  
 176 93.9 0.0 187.6

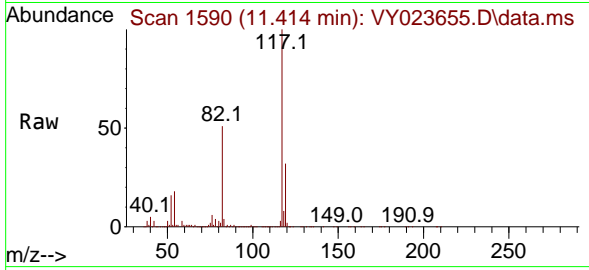






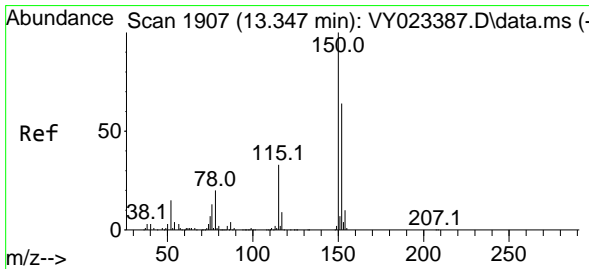
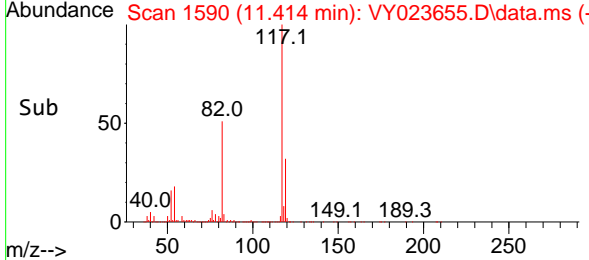
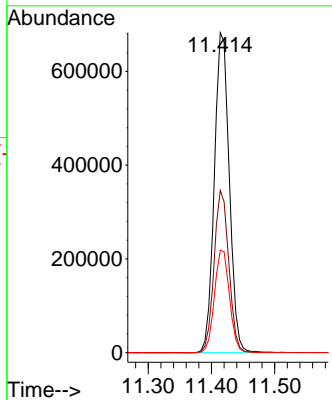
#63  
 Chlorobenzene-d5  
 Concen: 50.000 ug/l  
 RT: 11.414 min Scan# 1117  
 Delta R.T. 0.000 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

Instrument : MSVOA\_Y  
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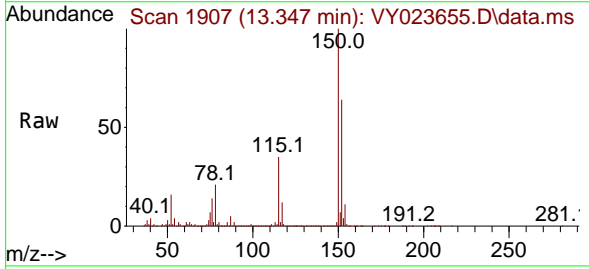


Tgt Ion:117 Resp: 1121835

Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.0	61.4
119	32.0	25.6	38.4

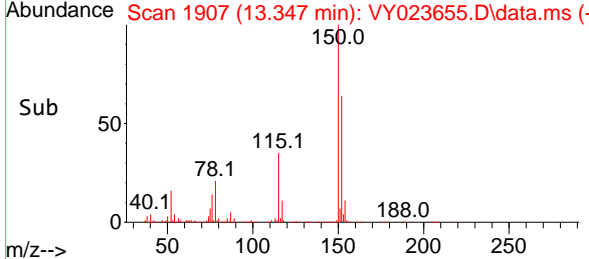
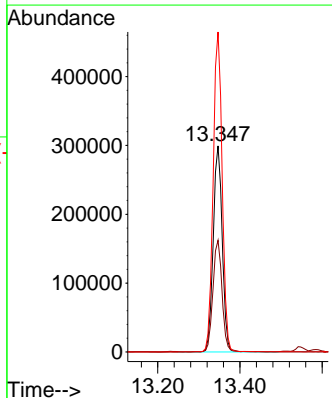


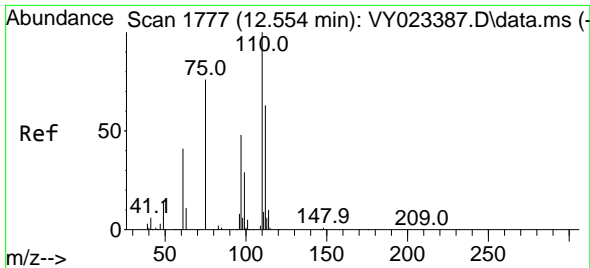
#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.347 min Scan# 1907  
 Delta R.T. 0.000 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50



Tgt Ion:152 Resp: 456840

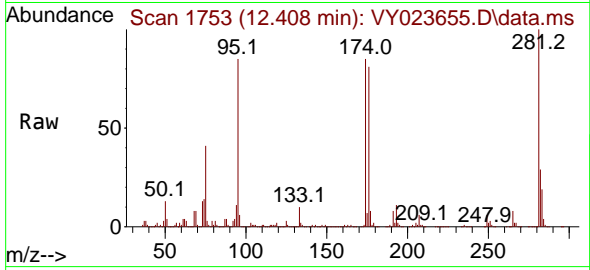
Ion	Ratio	Lower	Upper
152	100		
115	54.5	27.1	81.2
150	154.7	0.0	347.4



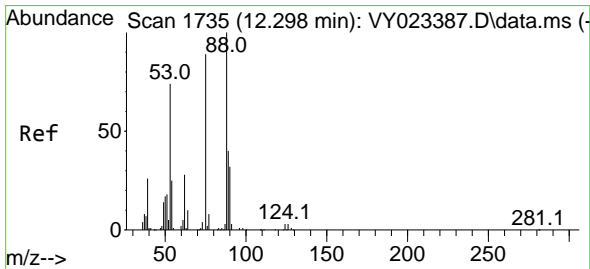
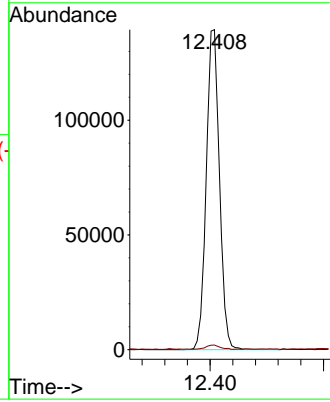
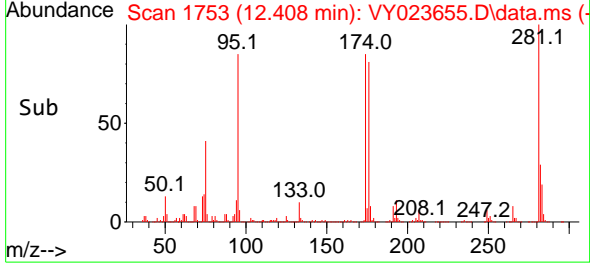


#76  
 1,2,3-Trichloropropane  
 Concen: 55.832 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. -0.146 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

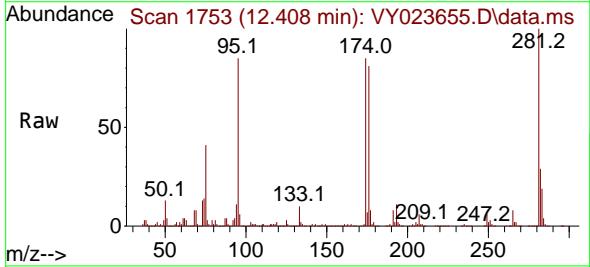
Instrument :  
 MSVOA\_Y  
 ClientSampleId :



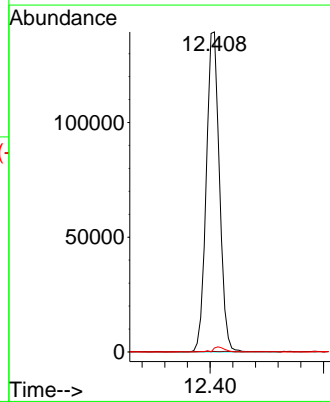
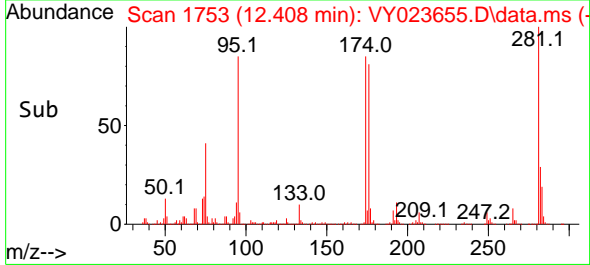
Tgt Ion: 75 Resp: 225033  
 Ion Ratio Lower Upper  
 75 100  
 77 1.3 0.0 0.0#

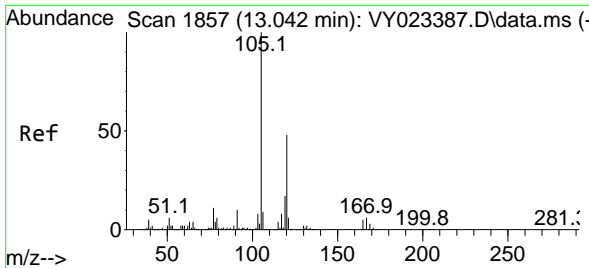


#81  
 trans-1,4-Dichloro-2-butene  
 Concen: 136.910 ug/l  
 RT: 12.408 min Scan# 1753  
 Delta R.T. 0.110 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50



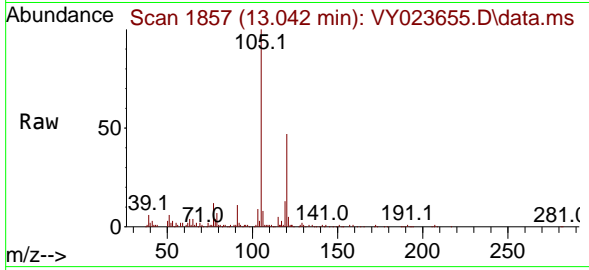
Tgt Ion: 75 Resp: 225033  
 Ion Ratio Lower Upper  
 75 100  
 53 0.1 68.6 102.8#  
 89 1.4 39.0 58.4#



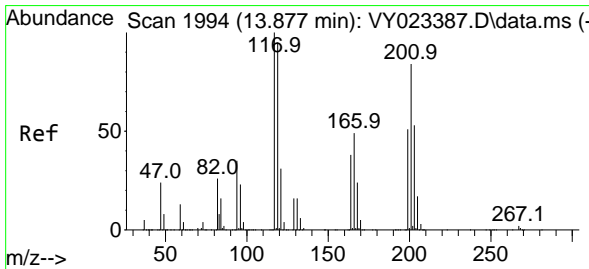
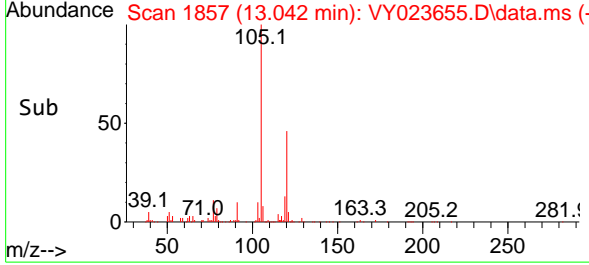
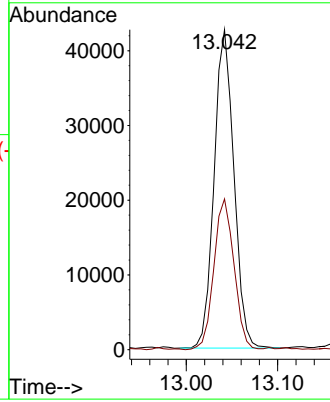


#84  
 1,2,4-Trimethylbenzene  
 Concen: 2.633 ug/l  
 RT: 13.042 min Scan# 1857  
 Delta R.T. 0.000 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50

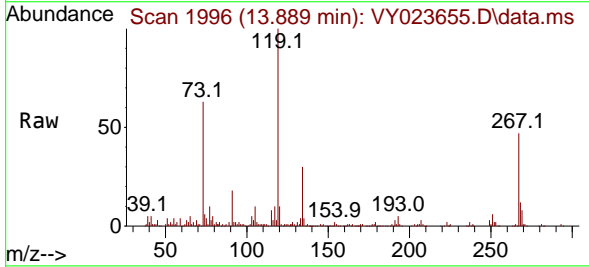
Instrument : MSVOA\_Y  
 ClientSampleId :



Tgt Ion:105 Resp: 63933  
 Ion Ratio Lower Upper  
 105 100  
 120 48.4 23.8 71.2



#90  
 Hexachloroethane  
 Concen: 1.392 ug/l  
 RT: 13.889 min Scan# 1996  
 Delta R.T. 0.012 min  
 Lab File: VY023655.D  
 Acq: 03 Nov 2025 13:50



Tgt Ion:117 Resp: 8213  
 Ion Ratio Lower Upper  
 117 100  
 201 0.7 43.8 131.4#

