

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY010825\
 Data File : VY020805.D
 Acq On : 08 Jan 2025 12:37
 Operator : SY/MD
 Sample : Q1028-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 09 00:20:29 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010625S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 07 01:31:46 2025
 Response via : Initial Calibration

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

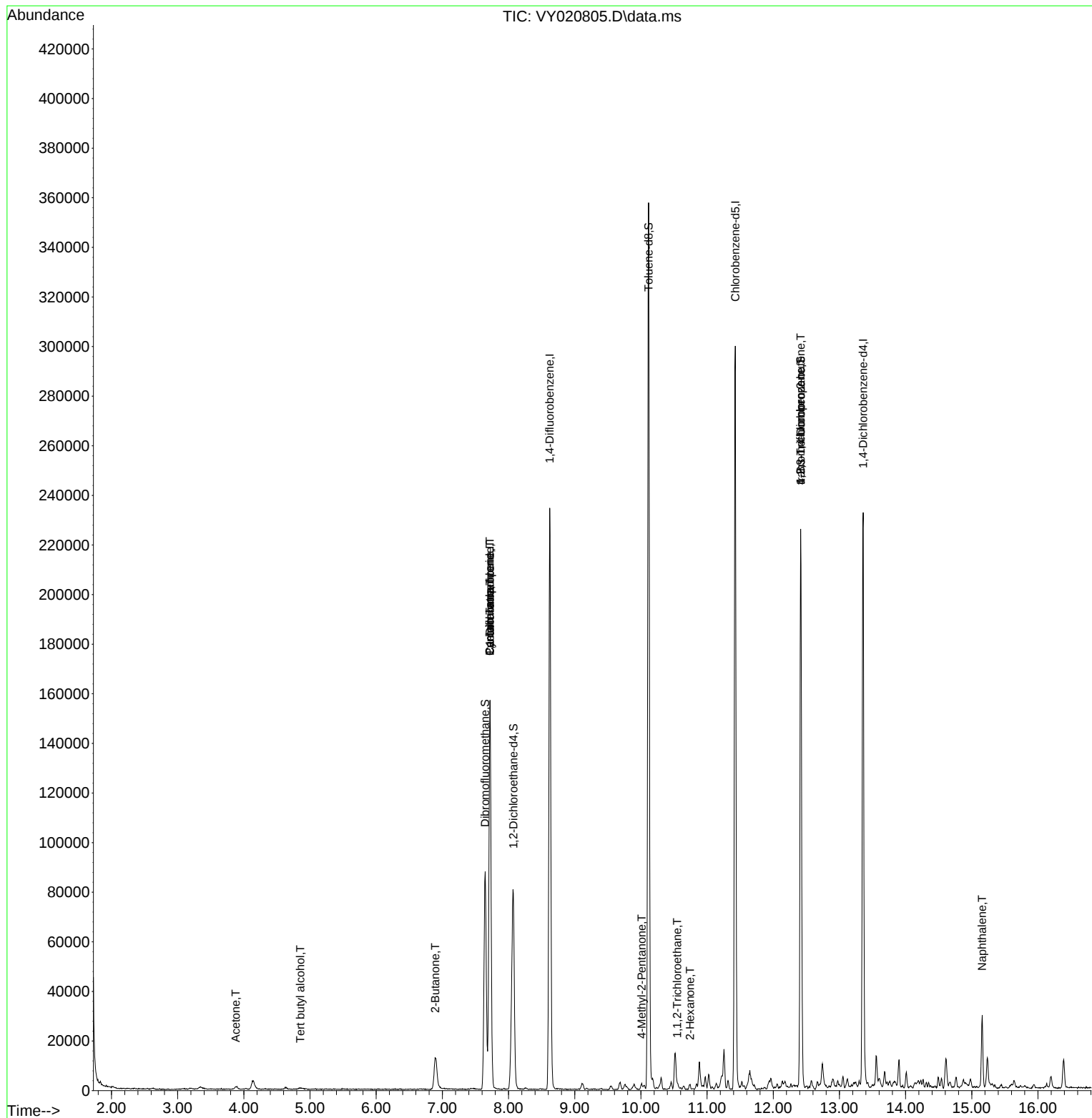
Internal Standards						
1) Pentafluorobenzene	7.720	168	126633	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	209748	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	169479	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.359	152	63568	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	54655	50.779	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.560%	
35) Dibromofluoromethane	7.646	113	64394	49.004	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 98.000%	
50) Toluene-d8	10.115	98	239574	52.300	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 104.600%	
62) 4-Bromofluorobenzene	12.414	95	66517	39.322	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 78.640%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.854	59	1136	13.968	ug/l #	73
16) Acetone	3.879	43	2070	13.524	ug/l	91
25) 2-Butanone	6.890	43	999	3.973	ug/l #	85
31) Cyclohexane	7.720	56	2264	1.446	ug/l #	1
36) 1,1-Dichloropropene	7.720	75	8966	5.349	ug/l #	50
38) Carbon Tetrachloride	7.720	117	12616	5.407	ug/l #	17
51) 4-Methyl-2-Pentanone	10.012	43	1590	2.346	ug/l	87
55) 1,1,2-Trichloroethane	10.548	97	1028	1.075	ug/l #	17
59) 2-Hexanone	10.743	43	817	1.879	ug/l #	20
76) 1,2,3-Trichloropropane	12.414	75	34555	62.126	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	34555	130.995	ug/l #	14
95) Naphthalene	15.157	128	23062	12.326	ug/l	99

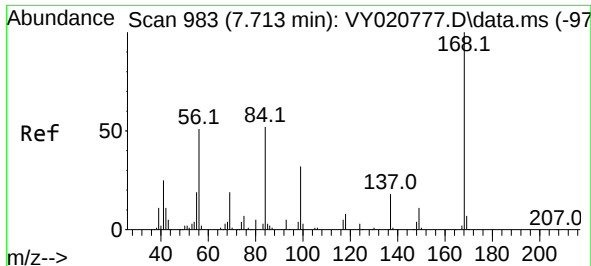
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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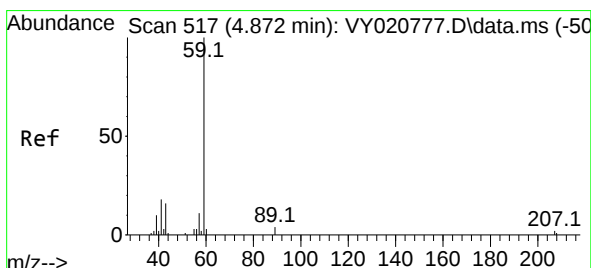
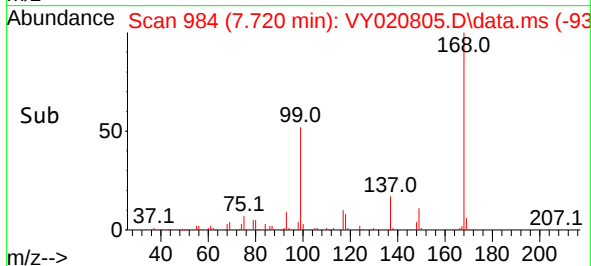
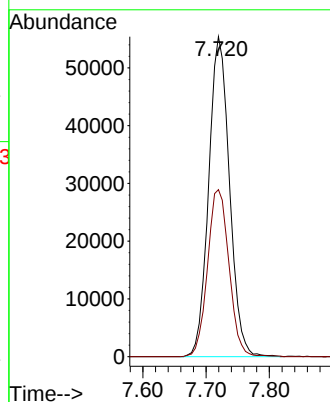
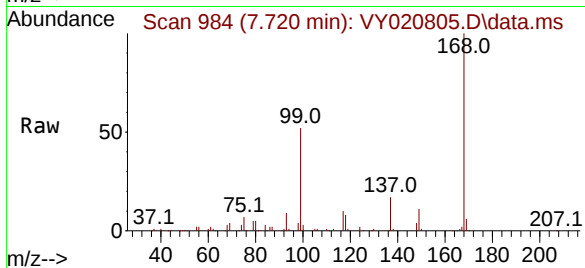




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

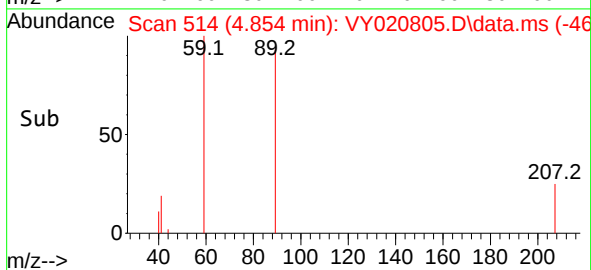
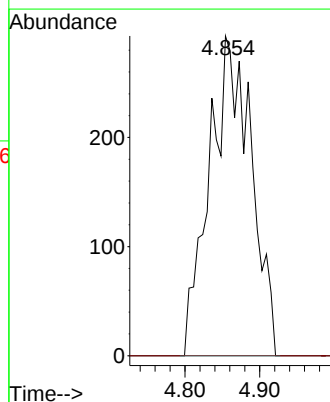
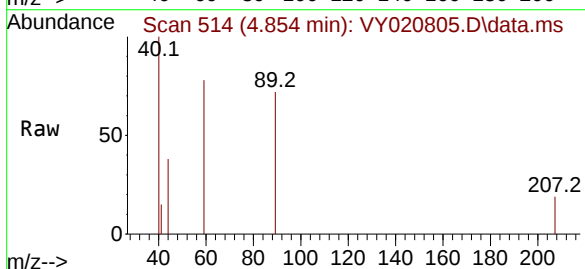
Instrument :
MSVOA_Y
ClientSampleId :

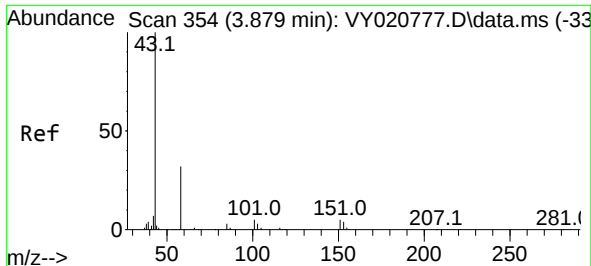
Tgt Ion:168 Resp: 126633
Ion Ratio Lower Upper
168 100
99 52.2 44.3 66.5



#11
Tert butyl alcohol
Concen: 13.968 ug/l
RT: 4.854 min Scan# 514
Delta R.T. -0.018 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

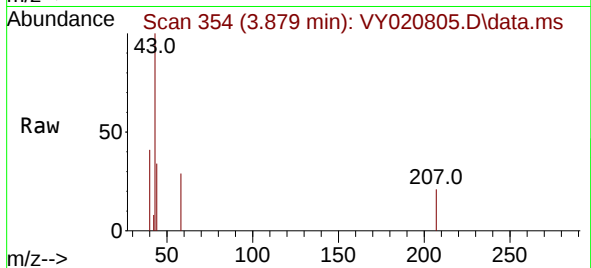
Tgt Ion: 59 Resp: 1136
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#



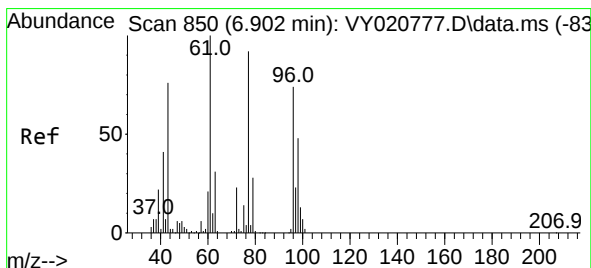
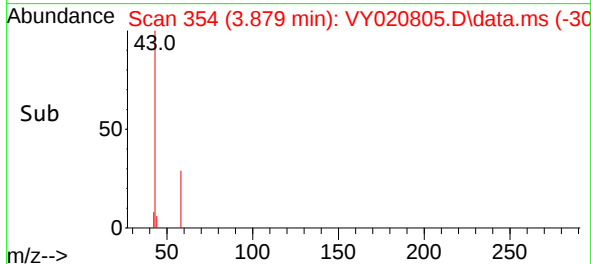
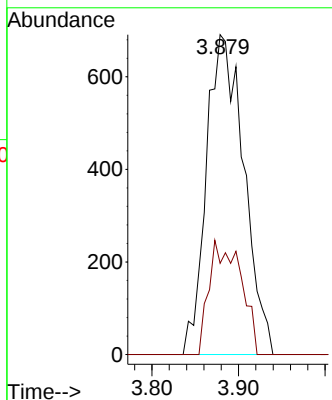


#16
Acetone
Concen: 13.524 ug/l
RT: 3.879 min Scan# 316
Delta R.T. 0.000 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :

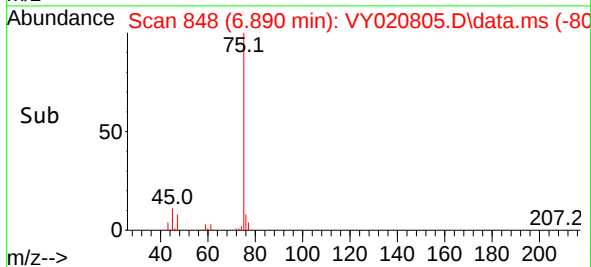
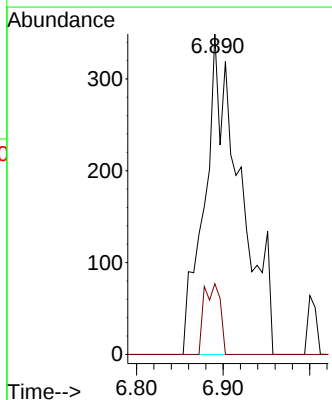
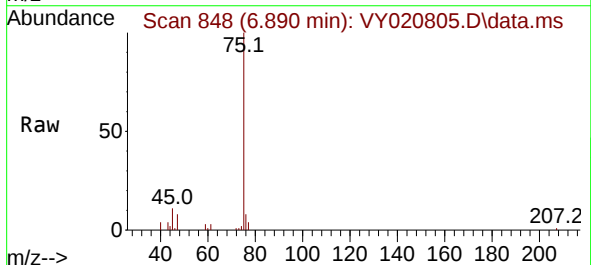


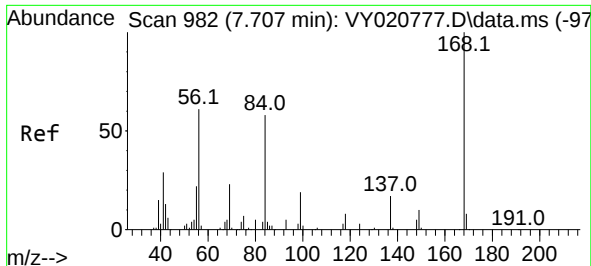
Tgt Ion: 43 Resp: 2070
Ion Ratio Lower Upper
43 100
58 28.5 26.7 40.1



#25
2-Butanone
Concen: 3.973 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Tgt Ion: 43 Resp: 999
Ion Ratio Lower Upper
43 100
72 22.1 24.0 36.0#

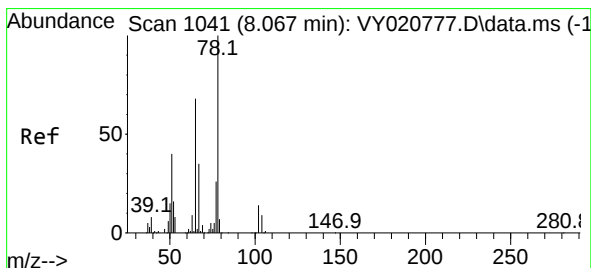
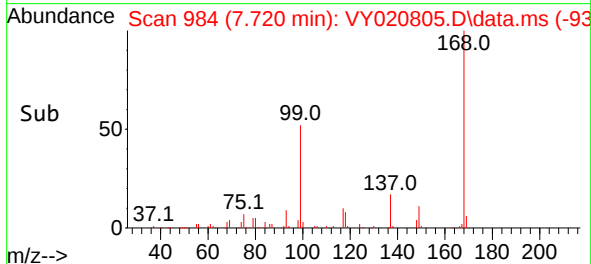
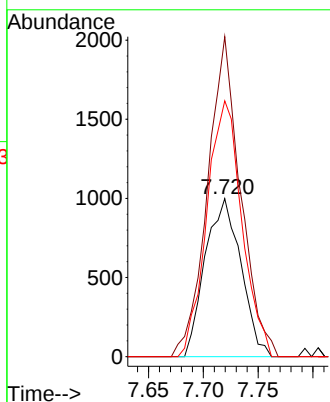
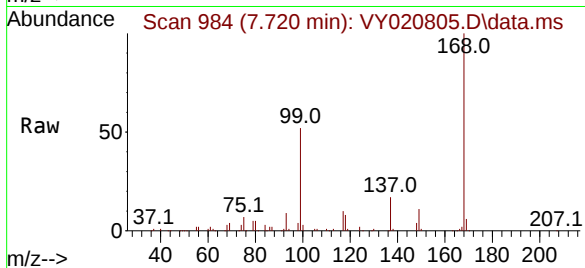




#31
Cyclohexane
Concen: 1.446 ug/l
RT: 7.720 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

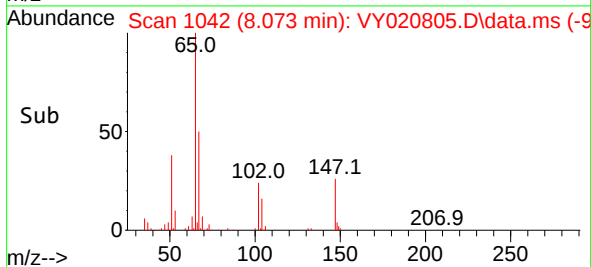
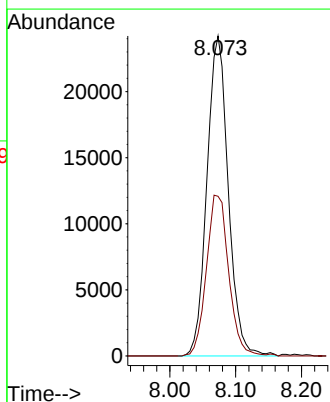
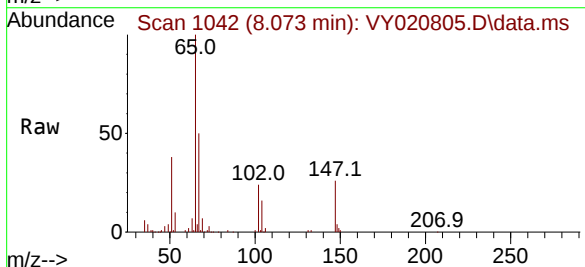
Instrument :
MSVOA_Y
ClientSampleId :

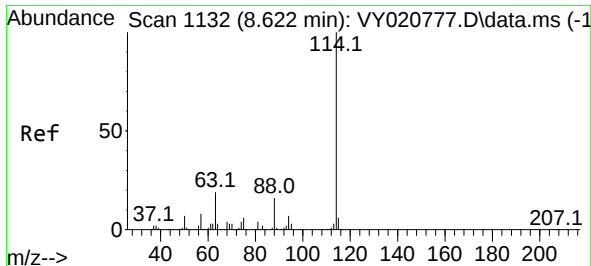
Tgt Ion: 56 Resp: 2264
Ion Ratio Lower Upper
56 100
69 202.4 30.5 45.7#
84 179.9 76.6 115.0#



#33
1,2-Dichloroethane-d4
Concen: 50.779 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

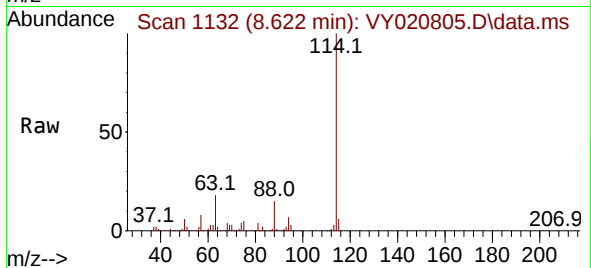
Tgt Ion: 65 Resp: 54655
Ion Ratio Lower Upper
65 100
67 52.5 0.0 102.8



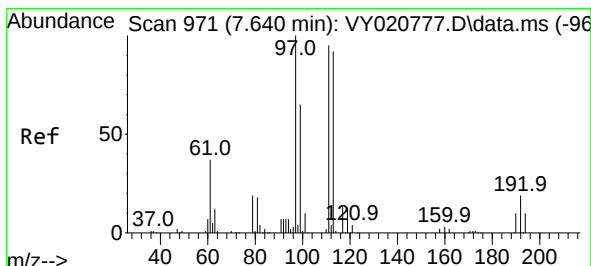
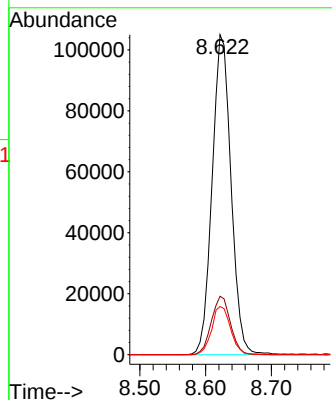
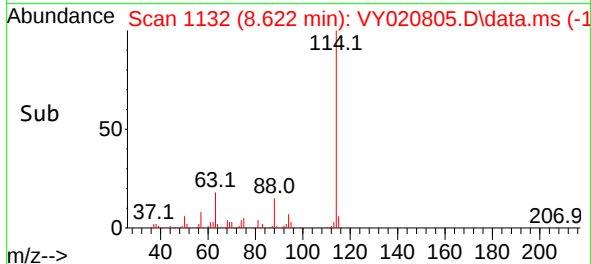


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1132
Delta R.T. 0.000 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :

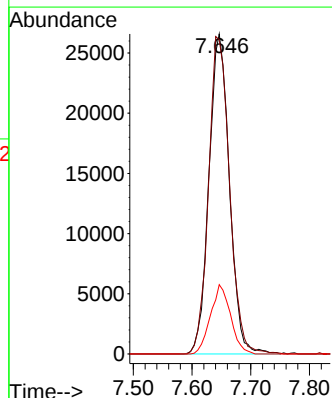
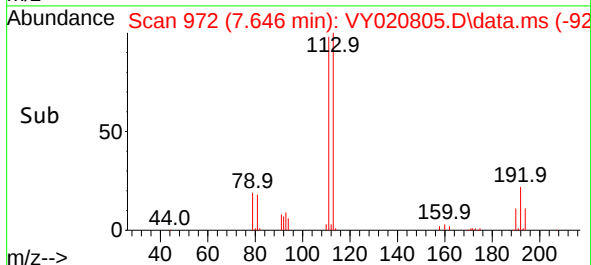
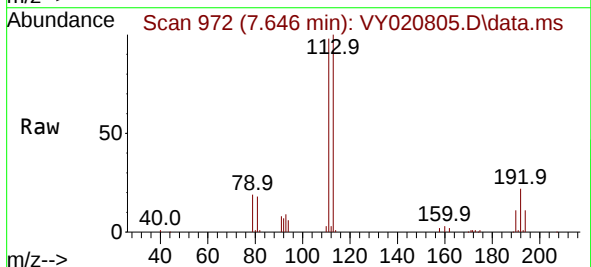


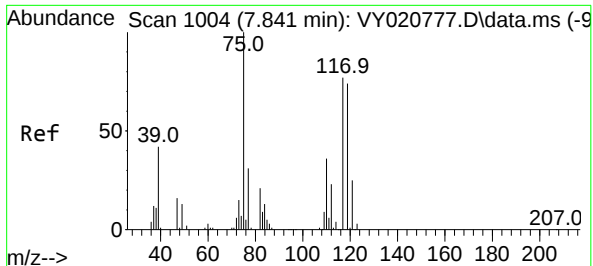
Tgt Ion:114 Resp: 209748
Ion Ratio Lower Upper
114 100
63 18.3 0.0 38.4
88 15.0 0.0 31.2



#35
Dibromofluoromethane
Concen: 49.004 ug/l
RT: 7.646 min Scan# 972
Delta R.T. 0.006 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

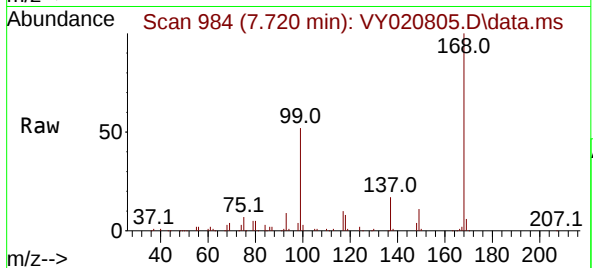
Tgt Ion:113 Resp: 64394
Ion Ratio Lower Upper
113 100
111 101.4 81.7 122.5
192 21.2 16.7 25.1



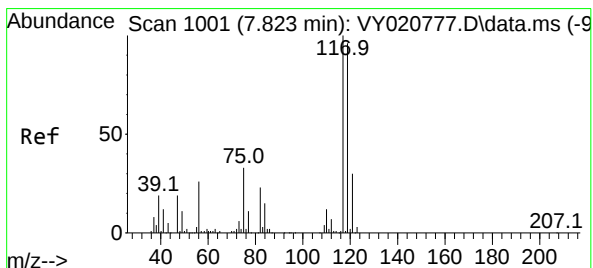
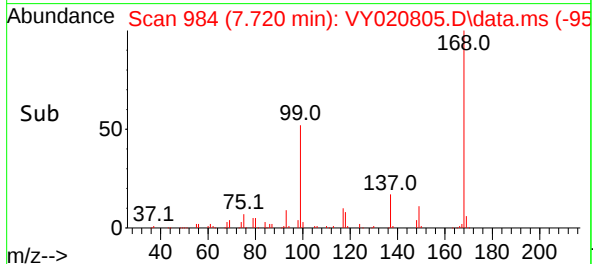
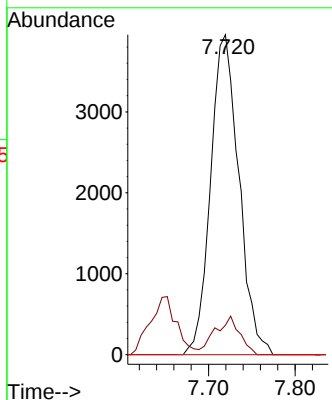


#36
1,1-Dichloropropene
Concen: 5.349 ug/l
RT: 7.720 min Scan# 984
Delta R.T. -0.122 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Instrument :
MSVOA_Y
ClientSampleId :

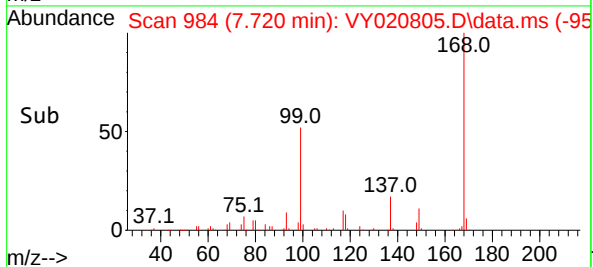
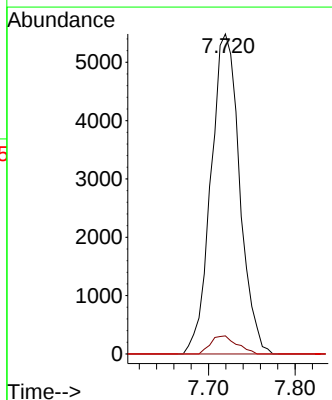
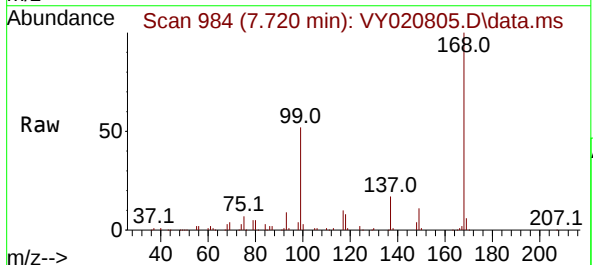


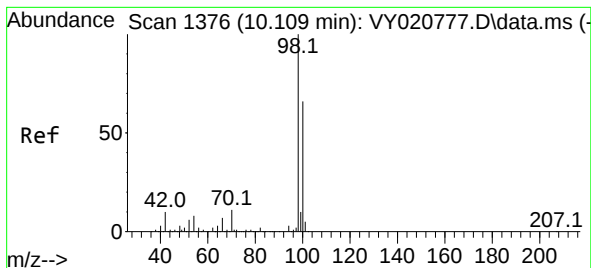
Tgt Ion: 75 Resp: 8966
Ion Ratio Lower Upper
75 100
110 10.4 18.5 55.5#
77 0.0 25.0 37.4#



#38
Carbon Tetrachloride
Concen: 5.407 ug/l
RT: 7.720 min Scan# 984
Delta R.T. -0.104 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Tgt Ion: 117 Resp: 12616
Ion Ratio Lower Upper
117 100
119 5.7 76.5 114.7#
121 0.0 24.3 36.5#





#50

Toluene-d8

Concen: 52.300 ug/l

RT: 10.115 min Scan# 1377

Delta R.T. 0.006 min

Lab File: VY020805.D

Acq: 08 Jan 2025 12:37

Instrument :

MSVOA_Y

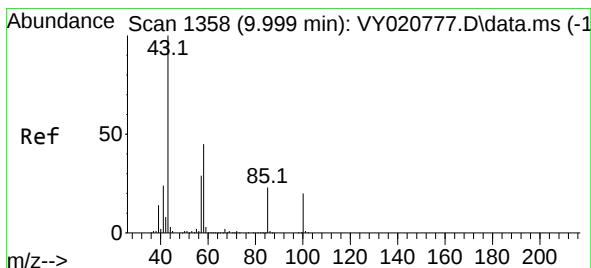
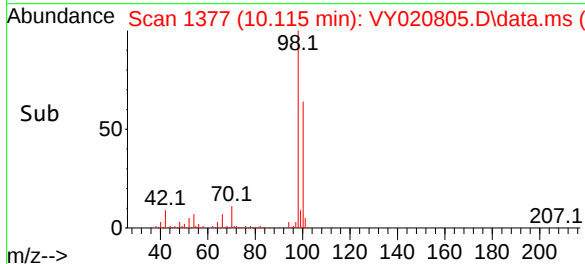
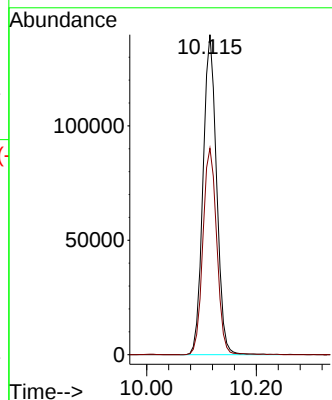
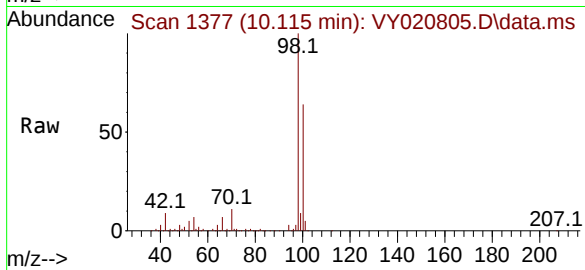
ClientSampleId :

Tgt Ion: 98 Resp: 239574

Ion Ratio Lower Upper

98 100

100 65.8 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 2.346 ug/l

RT: 10.012 min Scan# 1360

Delta R.T. 0.012 min

Lab File: VY020805.D

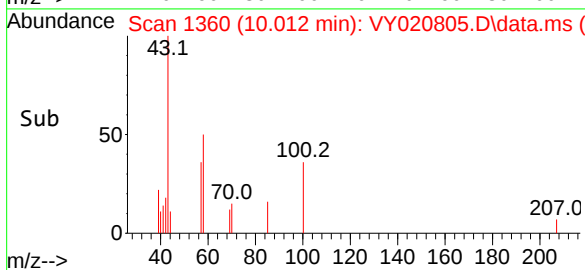
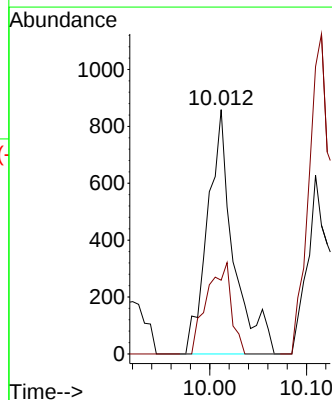
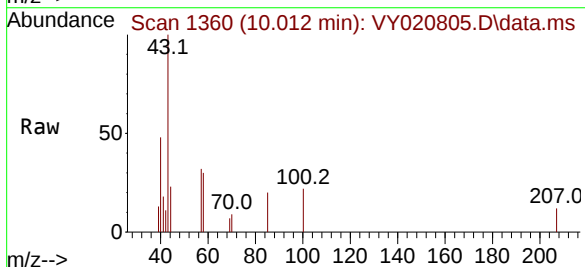
Acq: 08 Jan 2025 12:37

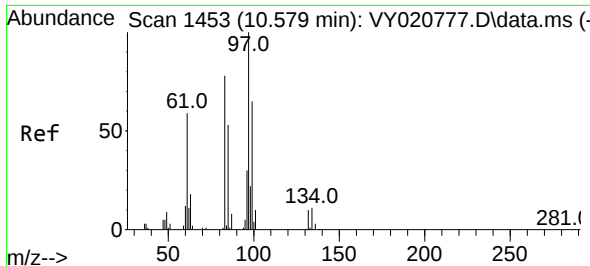
Tgt Ion: 43 Resp: 1590

Ion Ratio Lower Upper

43 100

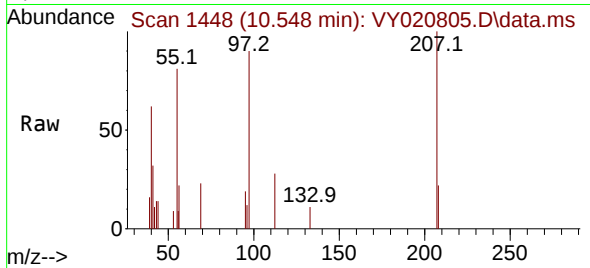
58 35.2 34.8 52.2



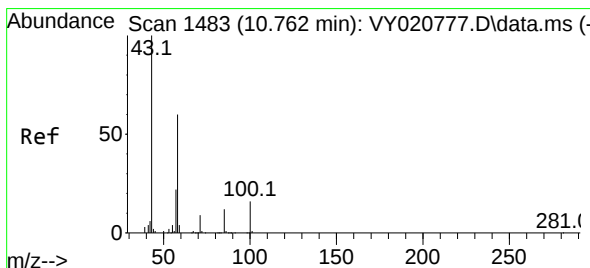
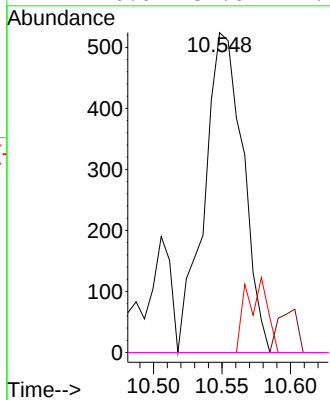
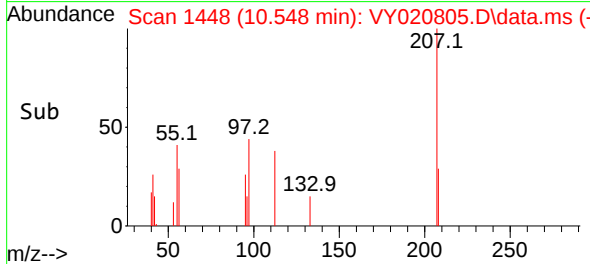


#55
1,1,2-Trichloroethane
Concen: 1.075 ug/l
RT: 10.548 min Scan# 1453
Delta R.T. -0.030 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

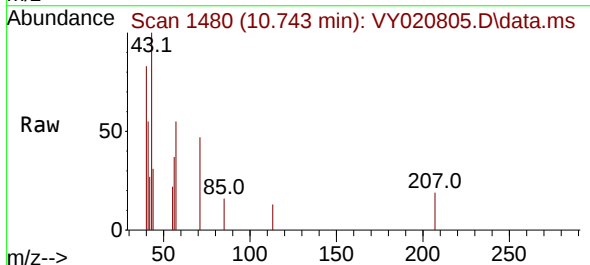
Instrument :
MSVOA_Y
ClientSampleId :



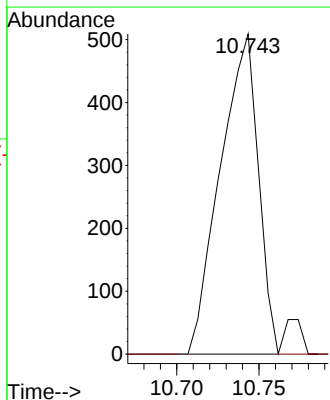
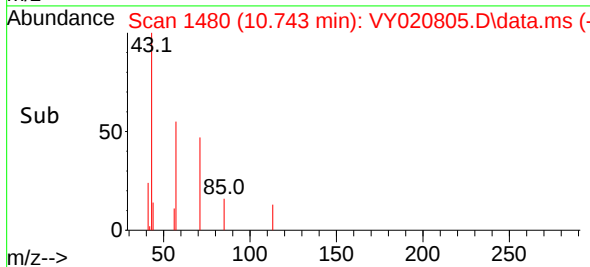
Tgt Ion: 97 Resp: 1028
Ion Ratio Lower Upper
97 100
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85 0.0 42.4 63.6#
99 0.0 51.6 77.4#

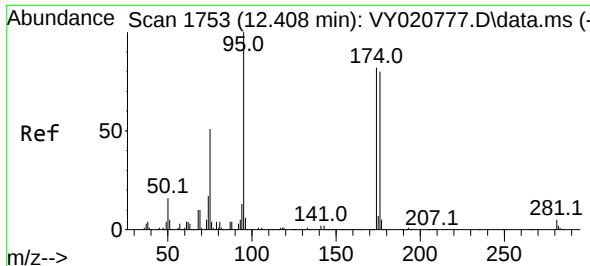


#59
2-Hexanone
Concen: 1.879 ug/l
RT: 10.743 min Scan# 1480
Delta R.T. -0.018 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37



Tgt Ion: 43 Resp: 817
Ion Ratio Lower Upper
43 100
58 0.0 30.6 92.0#

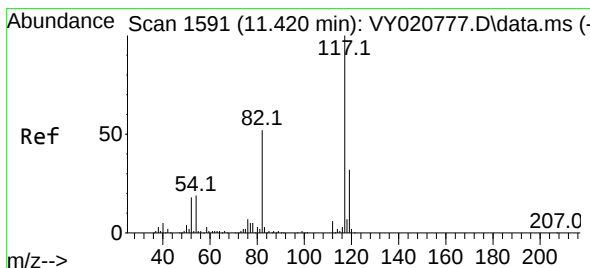
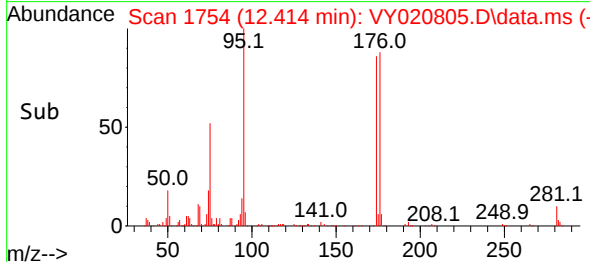
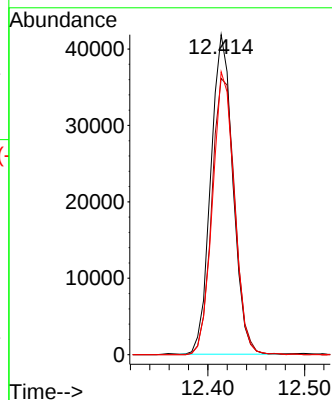
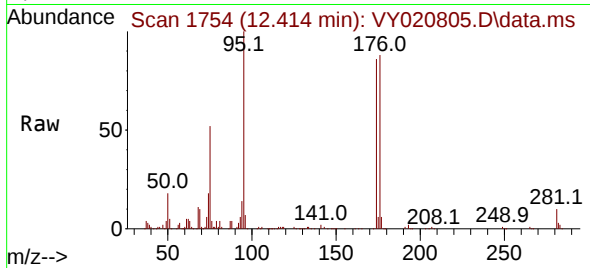




#62
4-Bromofluorobenzene
Concen: 39.322 ug/l
RT: 12.414 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

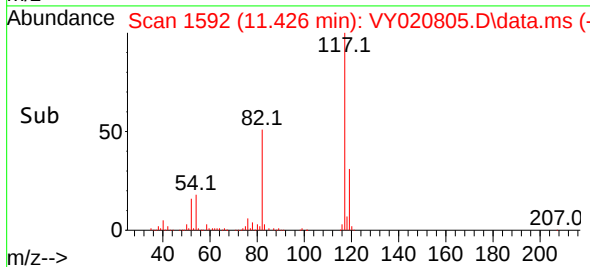
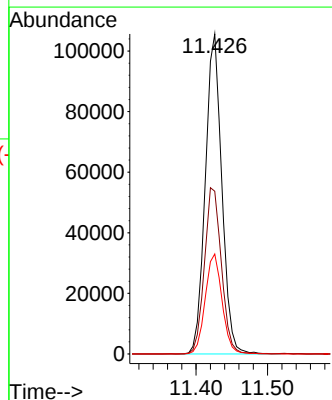
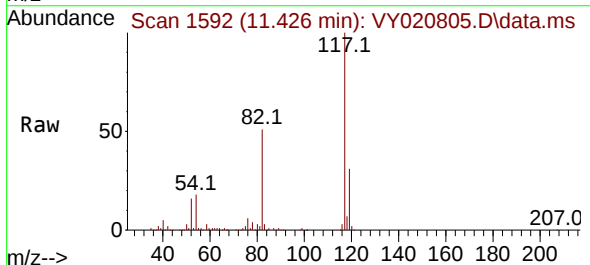
Instrument :
MSVOA_Y
ClientSampleId :

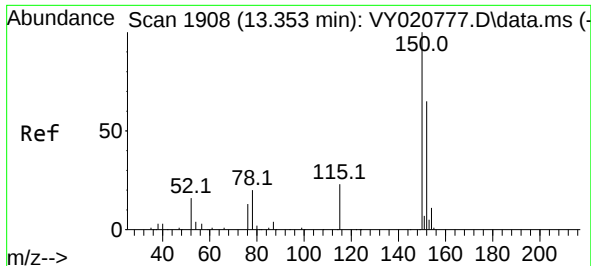
Tgt Ion: 95 Resp: 66517
Ion Ratio Lower Upper
95 100
174 90.2 0.0 178.0
176 87.3 0.0 172.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 1592
Delta R.T. 0.006 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Tgt Ion: 117 Resp: 169479
Ion Ratio Lower Upper
117 100
82 50.8 41.8 62.6
119 31.3 25.8 38.8

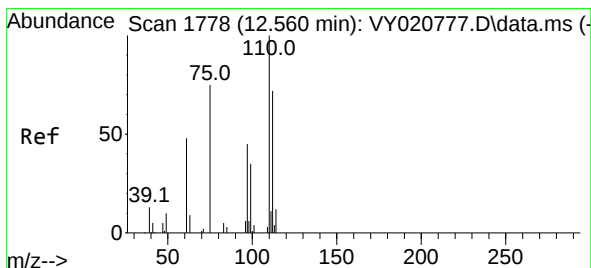
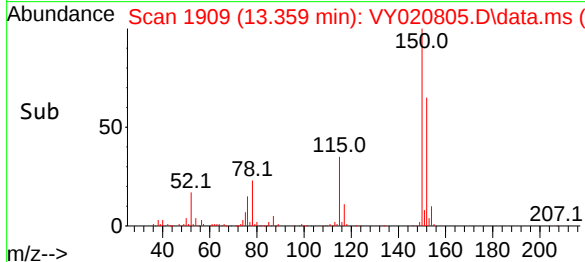
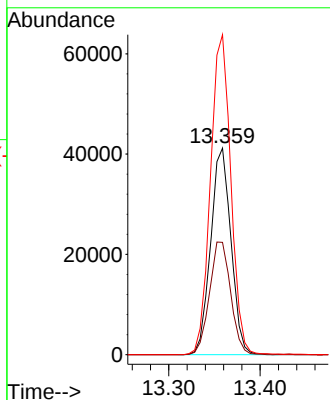
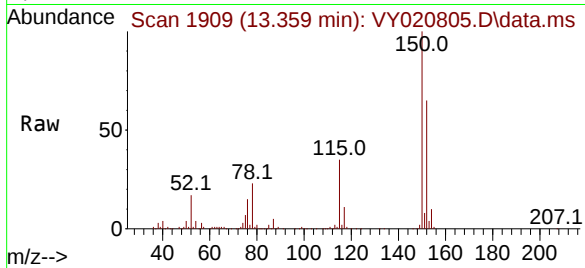




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.359 min Scan# 1908
Delta R.T. 0.006 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

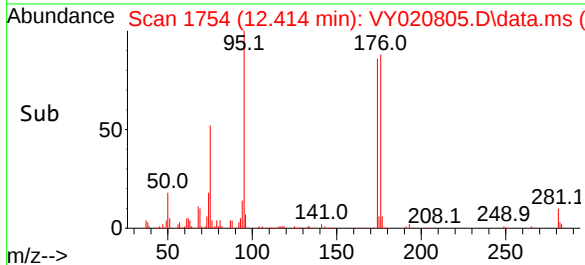
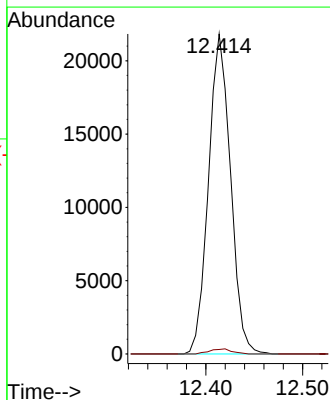
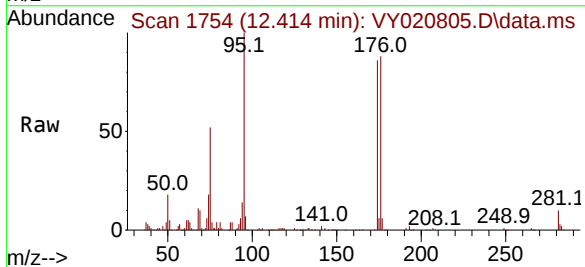
Instrument :
MSVOA_Y
ClientSampleId :

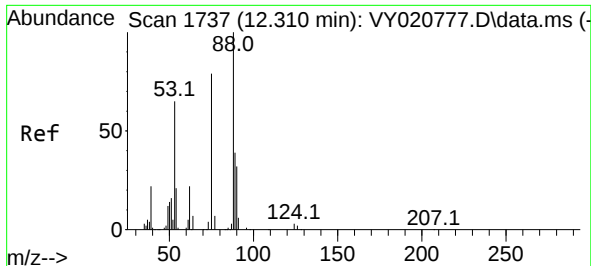
Tgt Ion:152 Resp: 63568
Ion Ratio Lower Upper
152 100
115 56.9 29.0 87.0
150 155.2 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 62.126 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020805.D
Acq: 08 Jan 2025 12:37

Tgt Ion: 75 Resp: 34555
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#

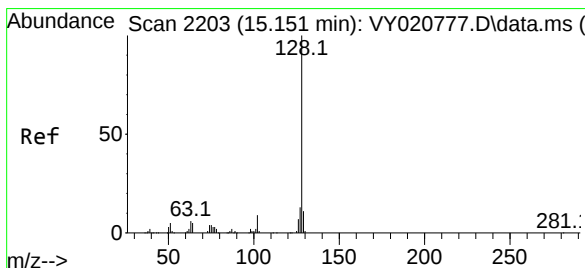
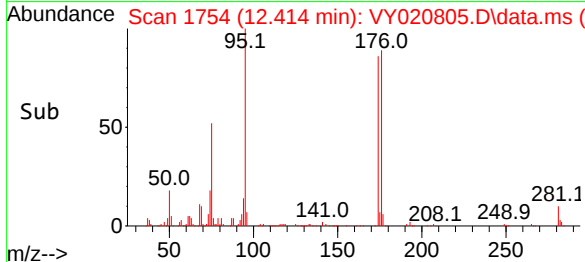
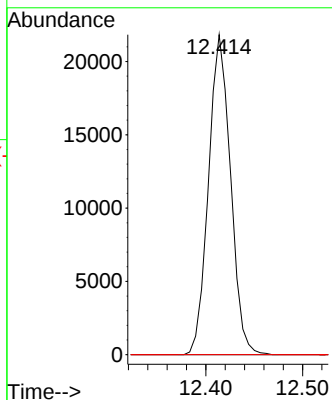
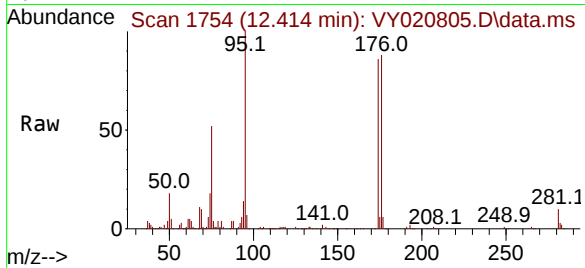




#81
 trans-1,4-Dichloro-2-butene
 Concen: 130.995 ug/l
 RT: 12.414 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY020805.D
 Acq: 08 Jan 2025 12:37

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 34555
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.4 104.0#
 89 0.0 39.6 59.4#



#95
 Naphthalene
 Concen: 12.326 ug/l
 RT: 15.157 min Scan# 2204
 Delta R.T. 0.006 min
 Lab File: VY020805.D
 Acq: 08 Jan 2025 12:37

Tgt Ion:128 Resp: 23062
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.5 15.7
 129 11.3 8.6 12.8

