

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY013025\
 Data File : VY020979.D
 Acq On : 30 Jan 2025 11:50
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 31 04:37:37 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y013025S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 31 02:19:37 2025
 Response via : Initial Calibration

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

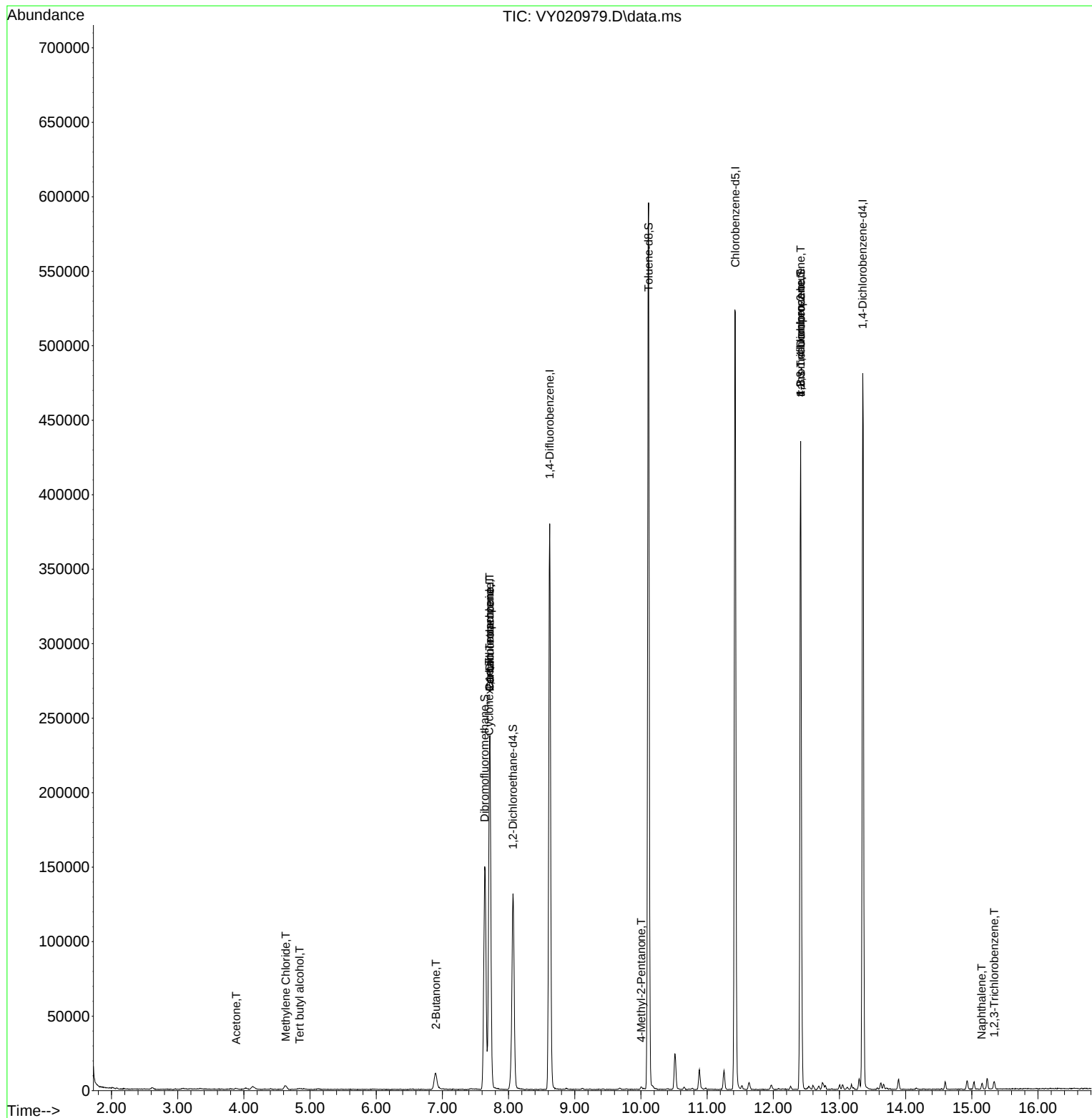
Internal Standards						
1) Pentafluorobenzene	7.719	168	198433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.621	114	340659	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	303019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	126970	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	101952	60.345	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.700%	
35) Dibromofluoromethane	7.640	113	108440	52.950	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.900%	
50) Toluene-d8	10.115	98	399820	50.019	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.040%	
62) 4-Bromofluorobenzene	12.413	95	129737	48.369	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 96.740%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.841	59	1090	8.832	ug/l #	73
16) Acetone	3.884	43	1056	4.586	ug/l #	80
20) Methylene Chloride	4.634	84	2104	1.239	ug/l #	79
25) 2-Butanone	6.902	43	667	1.707	ug/l #	44
31) Cyclohexane	7.707	56	3570	1.201	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	12975	4.441	ug/l #	50
38) Carbon Tetrachloride	7.713	117	19300	5.338	ug/l #	17
51) 4-Methyl-2-Pentanone	10.005	43	1253	1.121	ug/l	98
76) 1,2,3-Trichloropropane	12.413	75	64794	64.464	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.413	75	64794	133.815	ug/l #	15
95) Naphthalene	15.151	128	3459	4.822	ug/l	99
96) 1,2,3-Trichlorobenzene	15.340	180	1931	5.323	ug/l	93

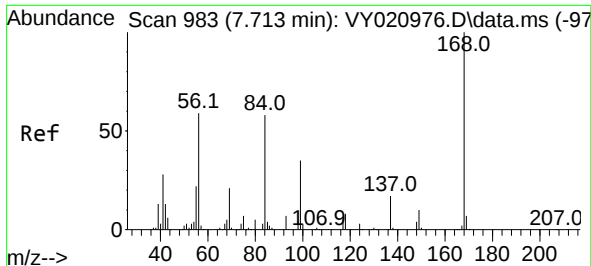
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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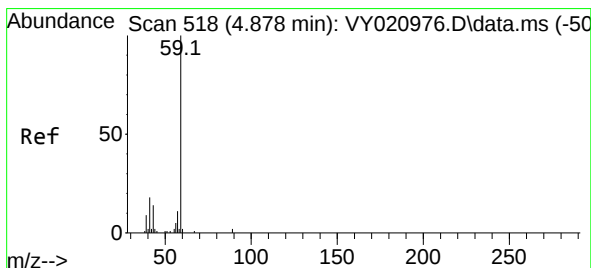
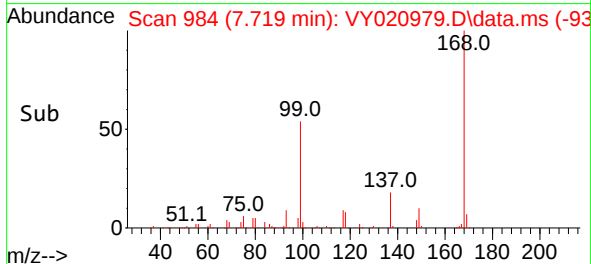
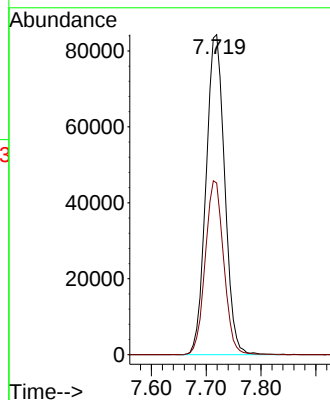
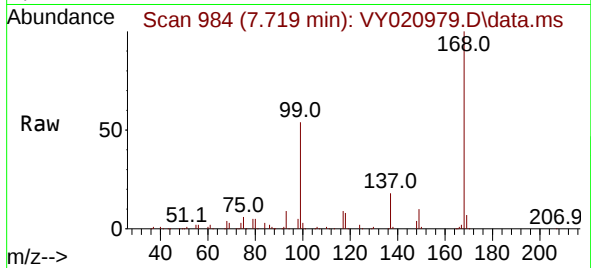




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

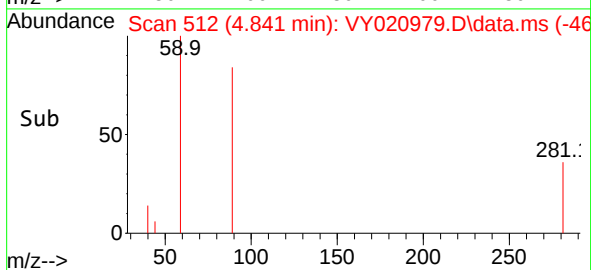
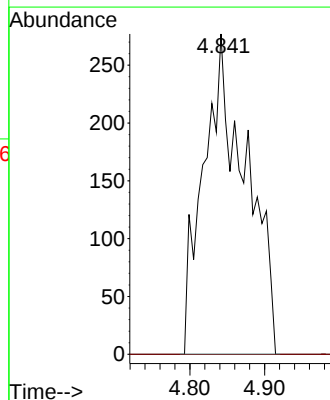
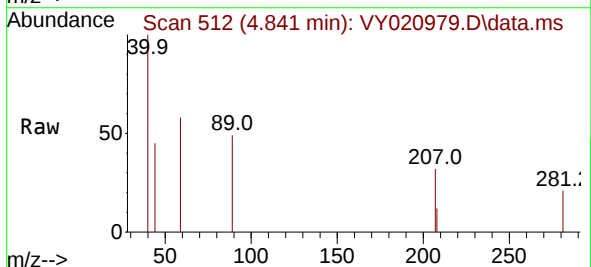
Instrument :
MSVOA_Y
ClientSampleId :

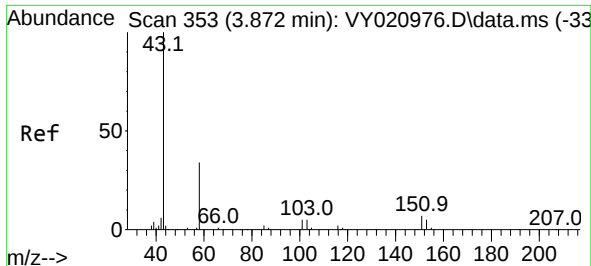
Tgt Ion:168 Resp: 198433
Ion Ratio Lower Upper
168 100
99 53.6 42.2 63.2



#11
Tert butyl alcohol
Concen: 8.832 ug/l
RT: 4.841 min Scan# 512
Delta R.T. -0.037 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion: 59 Resp: 1090
Ion Ratio Lower Upper
59 100
57 0.0 7.8 11.8#

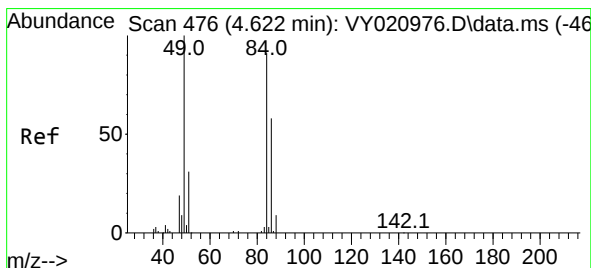
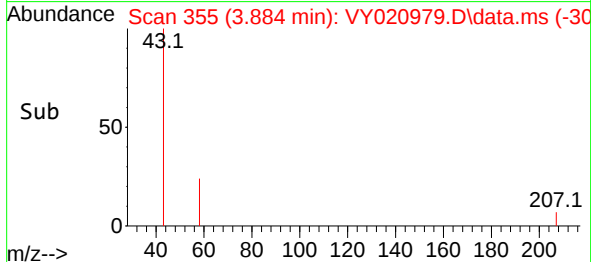
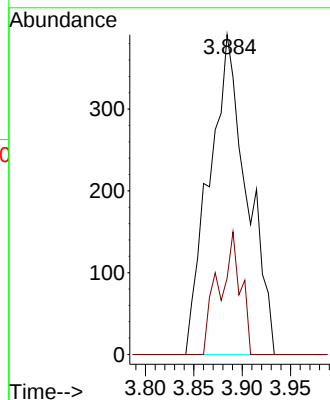
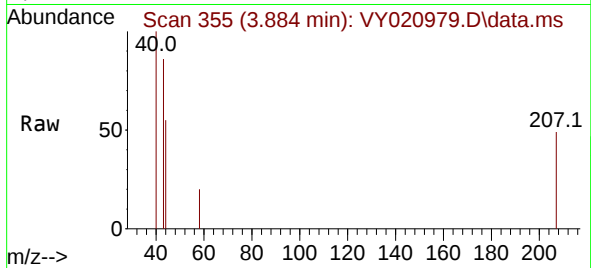




#16
Acetone
Concen: 4.586 ug/l
RT: 3.884 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

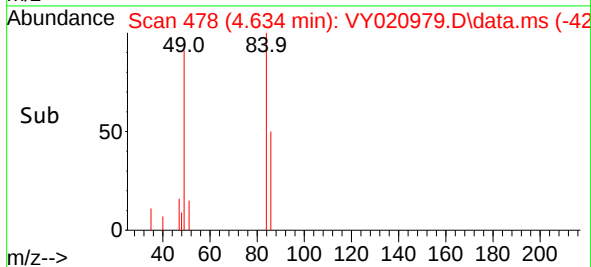
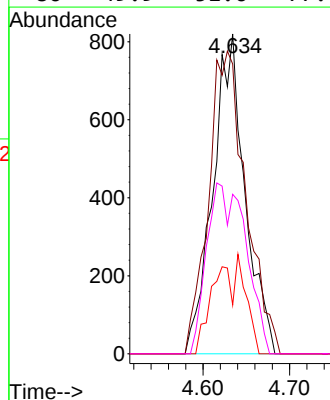
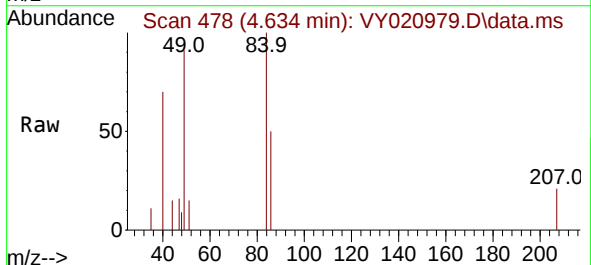
Instrument :
MSVOA_Y
ClientSampleId :

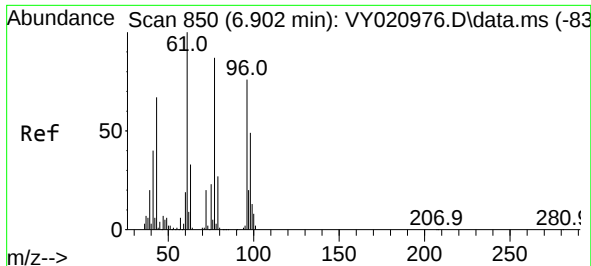
Tgt Ion: 43 Resp: 1056
Ion Ratio Lower Upper
43 100
58 23.8 28.4 42.6#



#20
Methylene Chloride
Concen: 1.239 ug/l
RT: 4.634 min Scan# 478
Delta R.T. 0.012 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion: 84 Resp: 2104
Ion Ratio Lower Upper
84 100
49 90.6 88.3 132.5
51 15.2 27.7 41.5#
86 49.9 51.6 77.4#

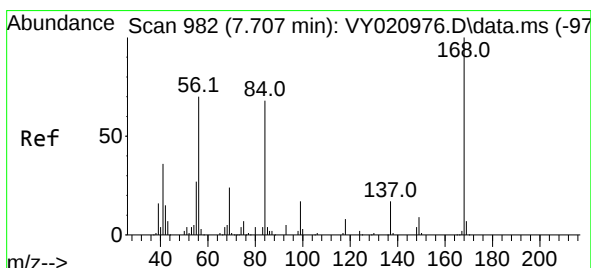
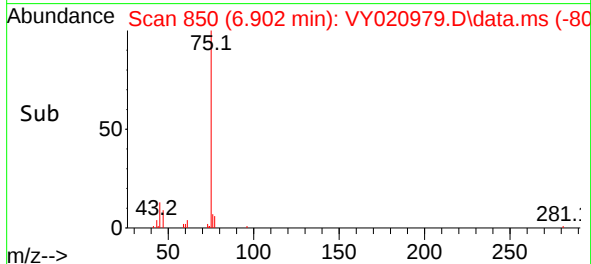
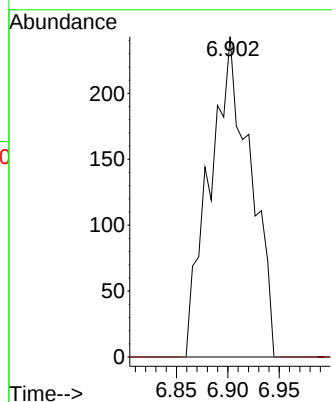
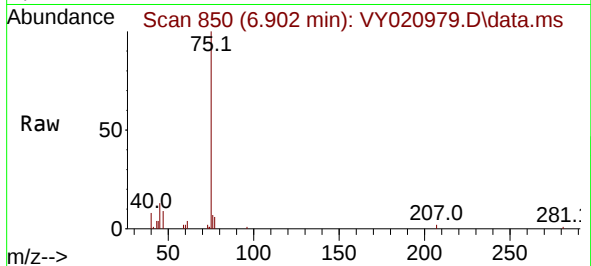




#25
2-Butanone
Concen: 1.707 ug/l
RT: 6.902 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

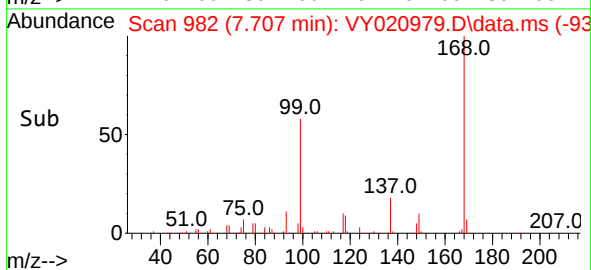
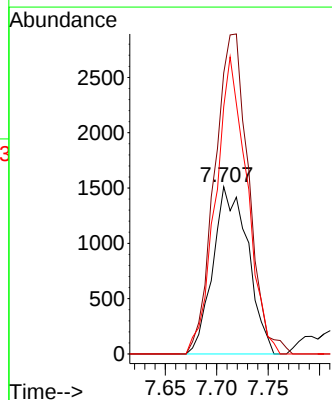
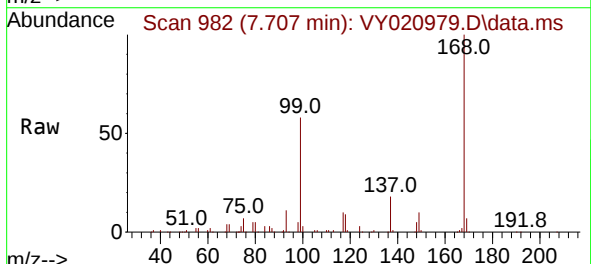
Instrument :
MSVOA_Y
ClientSampleId :

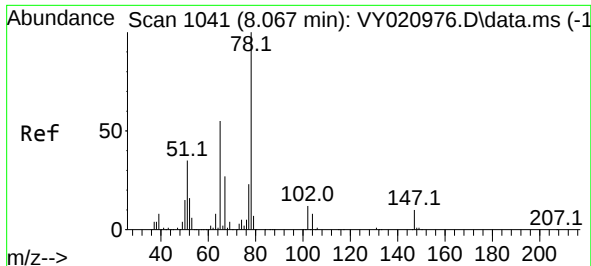
Tgt Ion: 43 Resp: 667
Ion Ratio Lower Upper
43 100
72 0.0 24.3 36.5#



#31
Cyclohexane
Concen: 1.201 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.000 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion: 56 Resp: 3570
Ion Ratio Lower Upper
56 100
69 168.1 27.7 41.5#
84 147.9 77.5 116.3#





#33

1,2-Dichloroethane-d4

Concen: 60.345 ug/l

RT: 8.067 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY020979.D

Acq: 30 Jan 2025 11:50

Instrument :

MSVOA_Y

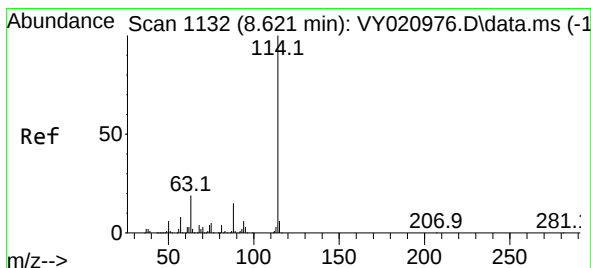
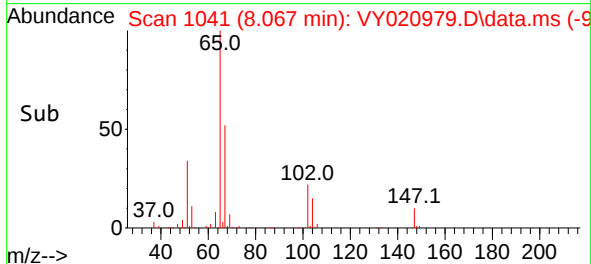
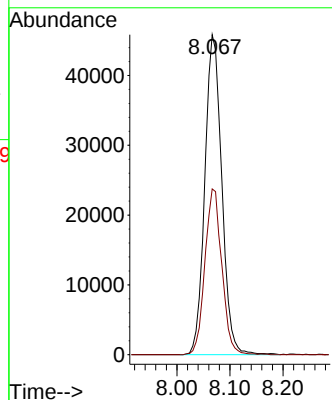
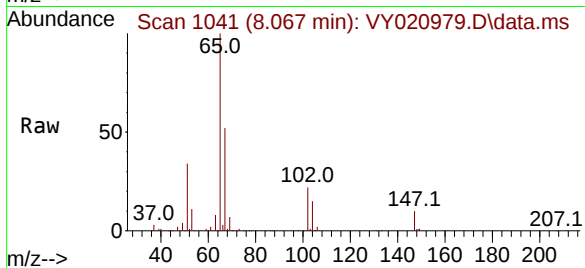
ClientSampleId :

Tgt Ion: 65 Resp: 101952

Ion Ratio Lower Upper

65 100

67 51.5 0.0 104.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.621 min Scan# 1132

Delta R.T. -0.000 min

Lab File: VY020979.D

Acq: 30 Jan 2025 11:50

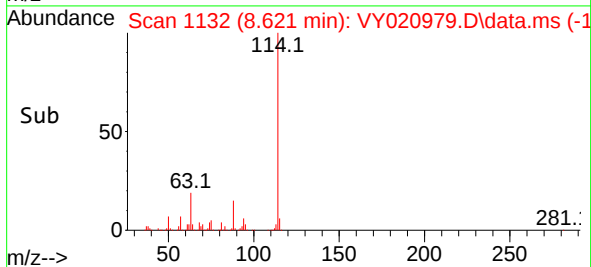
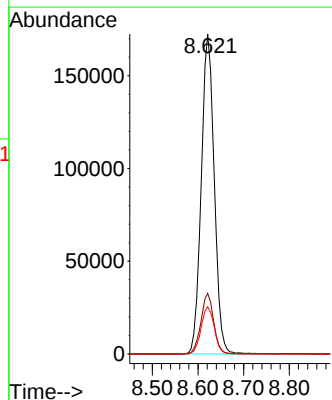
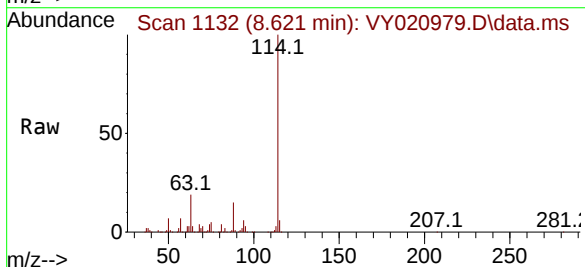
Tgt Ion: 114 Resp: 340659

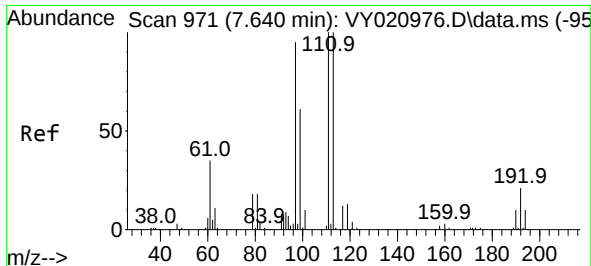
Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.2

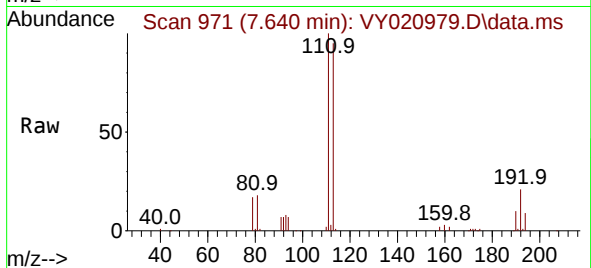
88 14.8 0.0 29.6



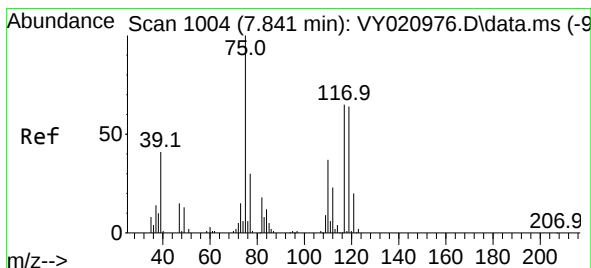
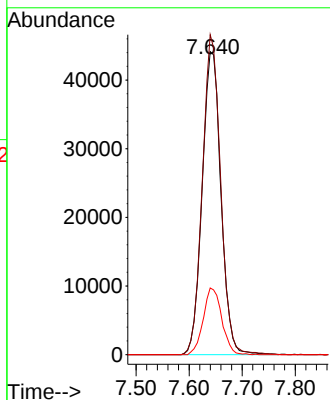
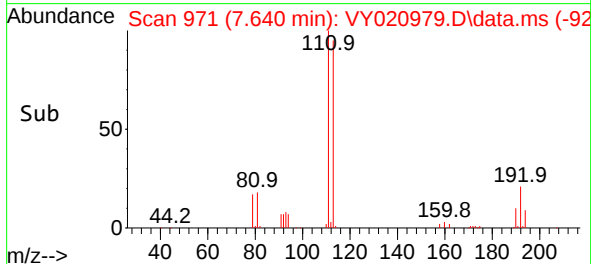


#35
Dibromofluoromethane
Concen: 52.950 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

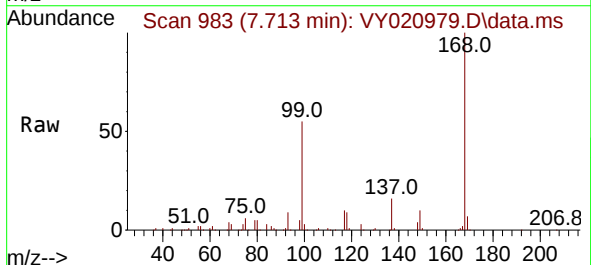
Instrument :
MSVOA_Y
ClientSampleId :



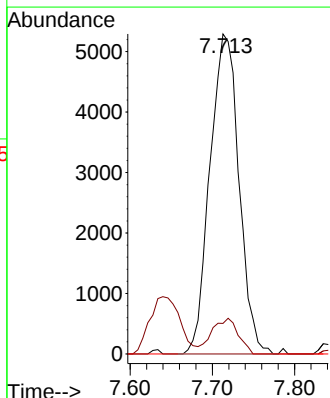
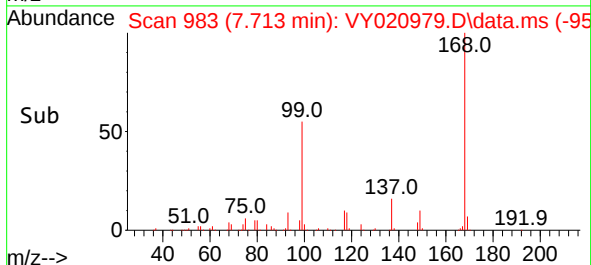
Tgt Ion:113 Resp: 108440
Ion Ratio Lower Upper
113 100
111 102.9 82.6 123.8
192 21.7 16.8 25.2

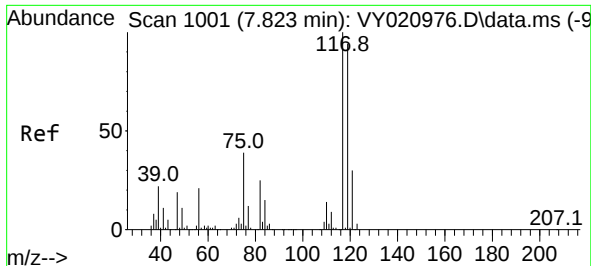


#36
1,1-Dichloropropene
Concen: 4.441 ug/l
RT: 7.713 min Scan# 983
Delta R.T. -0.128 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50



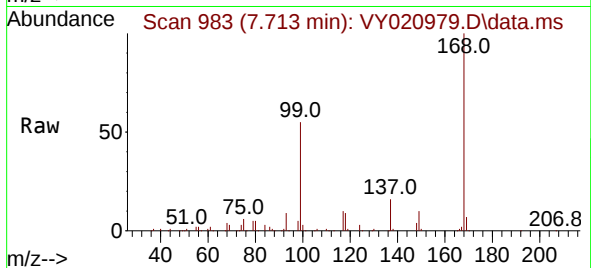
Tgt Ion: 75 Resp: 12975
Ion Ratio Lower Upper
75 100
110 10.1 18.4 55.2#
77 0.0 24.9 37.3#



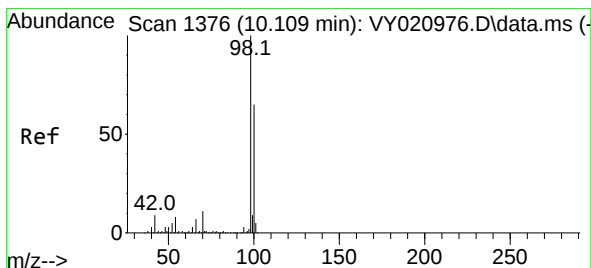
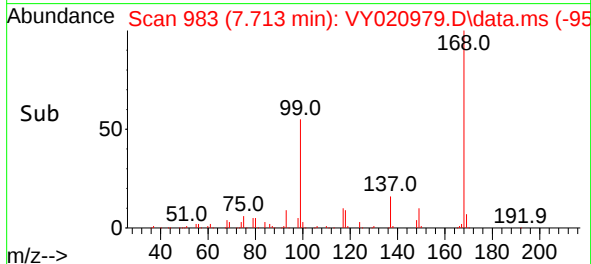
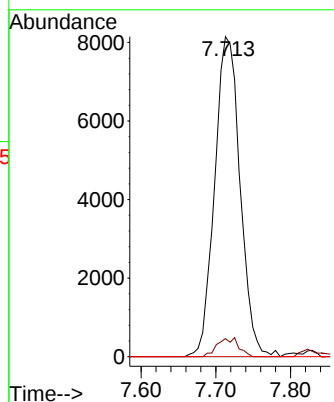


#38
Carbon Tetrachloride
Concen: 5.338 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Instrument :
MSVOA_Y
ClientSampleId :

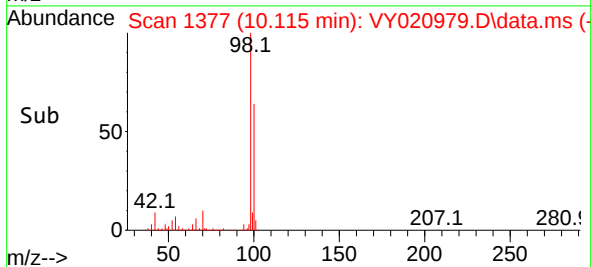
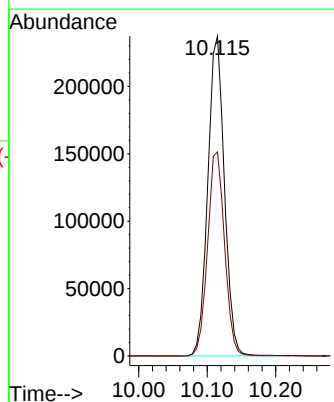
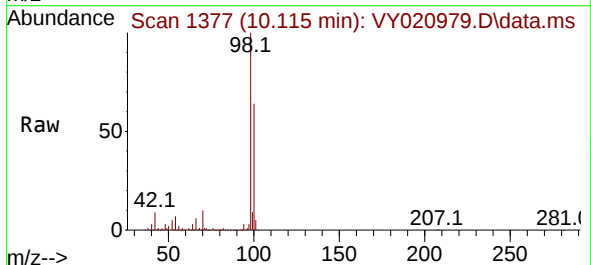


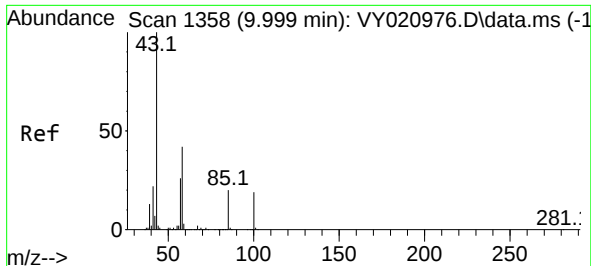
Tgt Ion:117 Resp: 19300
Ion Ratio Lower Upper
117 100
119 5.6 75.0 112.6#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 50.019 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.006 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion: 98 Resp: 399820
Ion Ratio Lower Upper
98 100
100 65.5 52.6 79.0

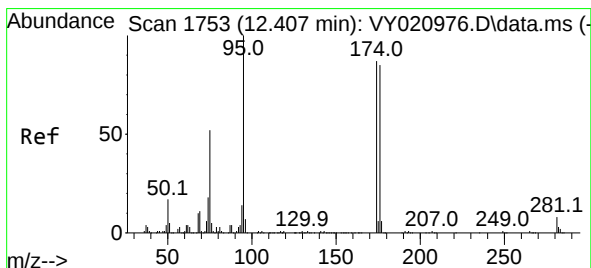
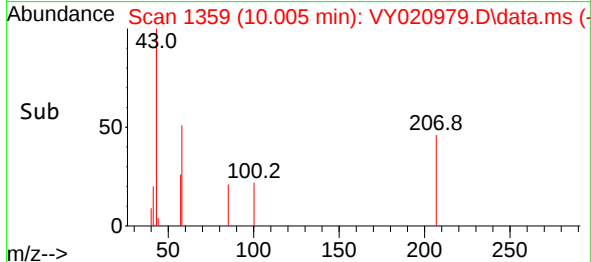
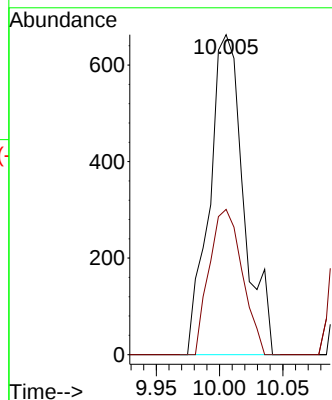
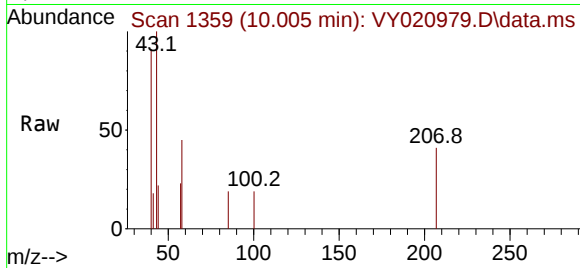




#51
4-Methyl-2-Pentanone
Concen: 1.121 ug/l
RT: 10.005 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

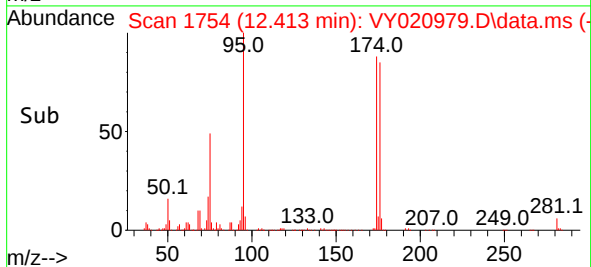
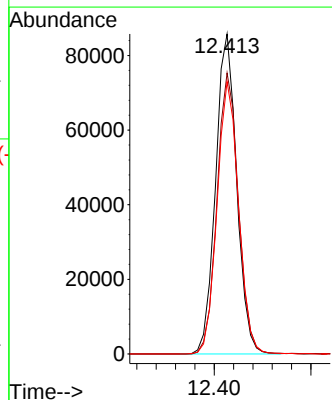
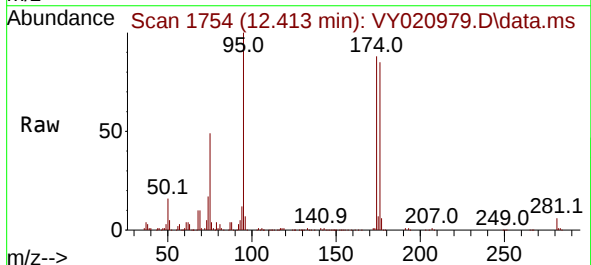
Instrument :
MSVOA_Y
ClientSampleId :

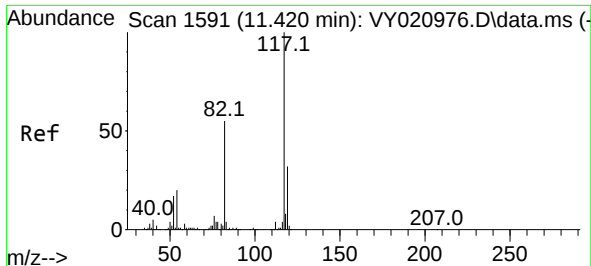
Tgt Ion: 43 Resp: 1253
Ion Ratio Lower Upper
43 100
58 43.6 33.8 50.8



#62
4-Bromofluorobenzene
Concen: 48.369 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion: 95 Resp: 129737
Ion Ratio Lower Upper
95 100
174 89.1 0.0 181.2
176 86.4 0.0 175.2

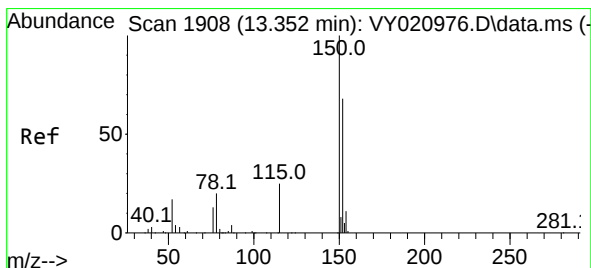
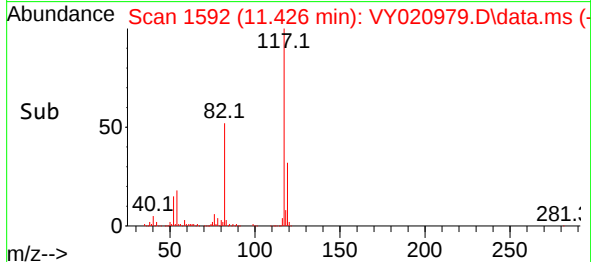
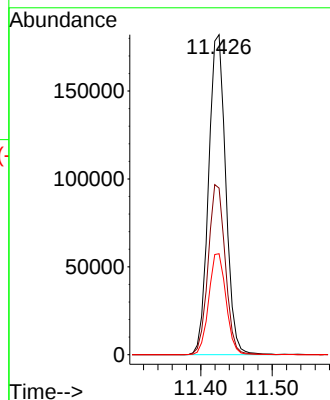
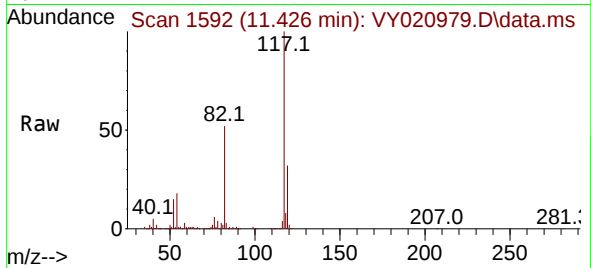




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.426 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

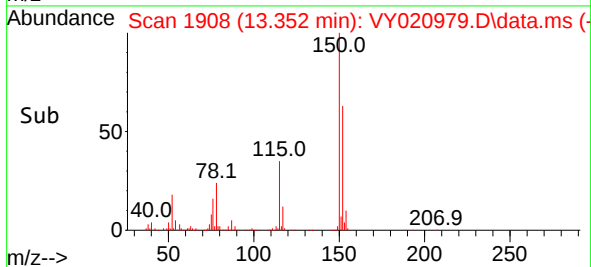
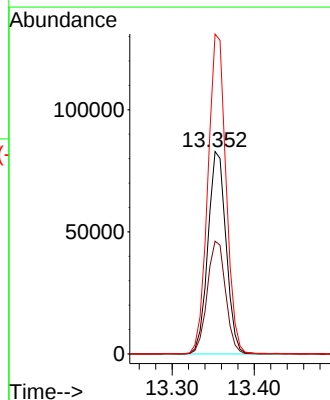
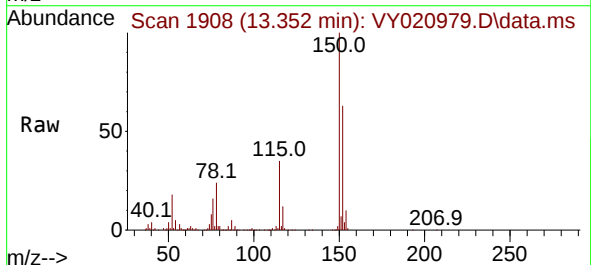
Instrument :
MSVOA_Y
ClientSampleId :

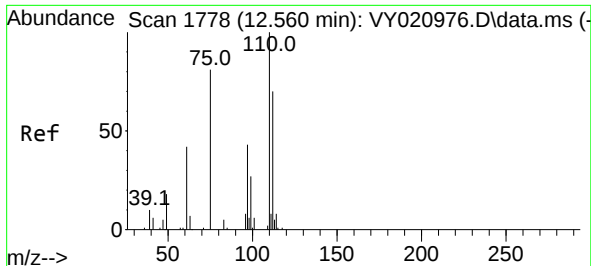
Tgt Ion:117 Resp: 303019
Ion Ratio Lower Upper
117 100
82 52.1 44.2 66.2
119 31.6 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.352 min Scan# 1908
Delta R.T. -0.000 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion:152 Resp: 126970
Ion Ratio Lower Upper
152 100
115 56.6 28.4 85.2
150 158.6 0.0 342.8

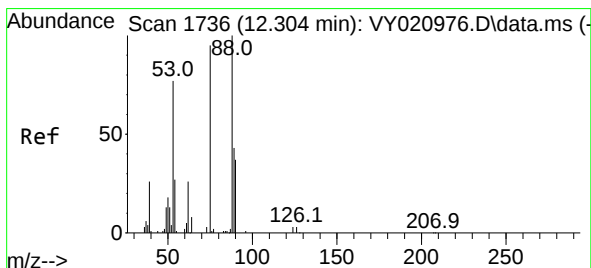
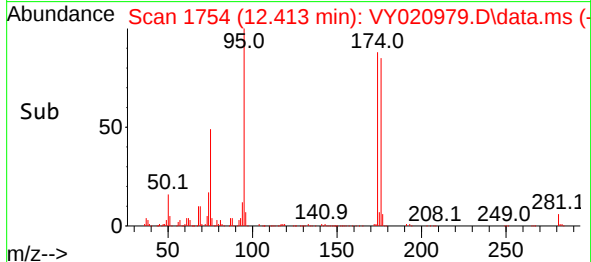
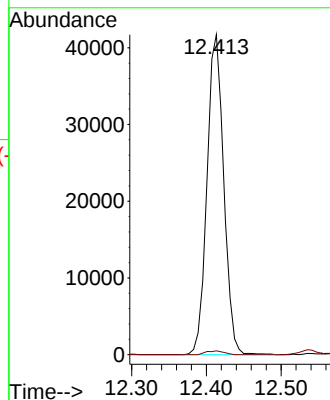
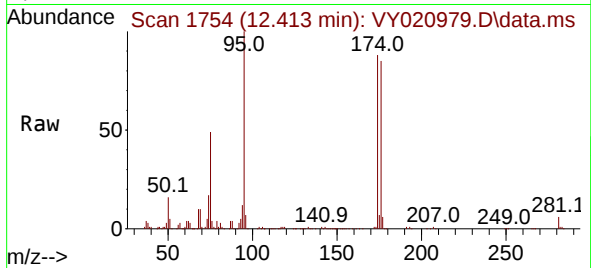




#76
1,2,3-Trichloropropane
Concen: 64.464 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. -0.146 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

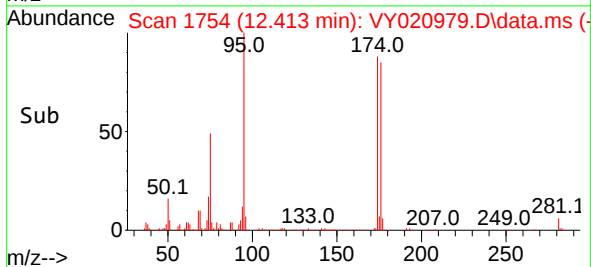
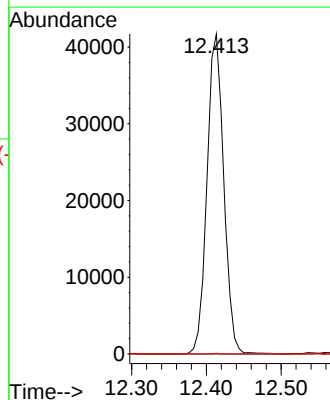
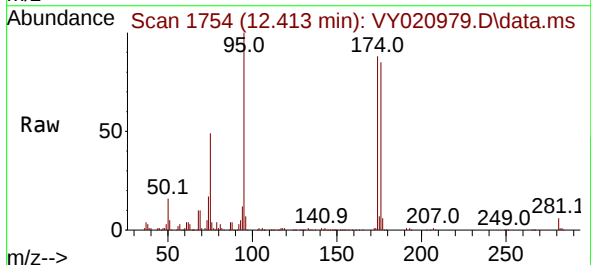
Instrument :
MSVOA_Y
ClientSampleId :

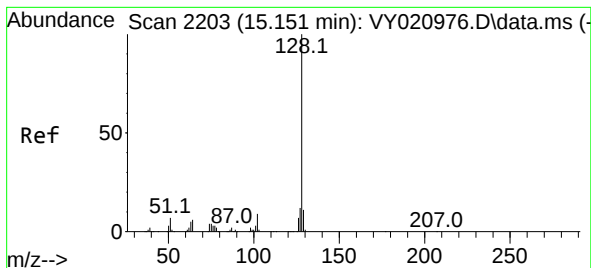
Tgt Ion: 75 Resp: 64794
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 133.815 ug/l
RT: 12.413 min Scan# 1754
Delta R.T. 0.110 min
Lab File: VY020979.D
Acq: 30 Jan 2025 11:50

Tgt Ion: 75 Resp: 64794
Ion Ratio Lower Upper
75 100
53 0.0 68.6 103.0#
89 0.1 38.1 57.1#





#95

Naphthalene

Concen: 4.822 ug/l

RT: 15.151 min Scan# 2203

Delta R.T. -0.000 min

Lab File: VY020979.D

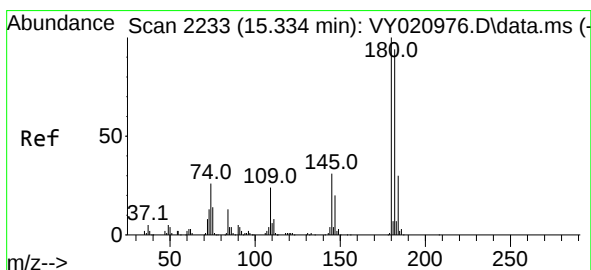
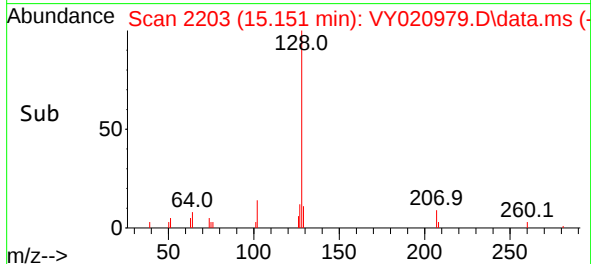
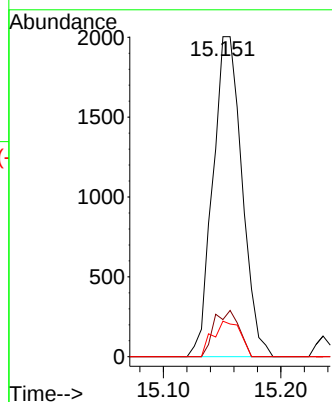
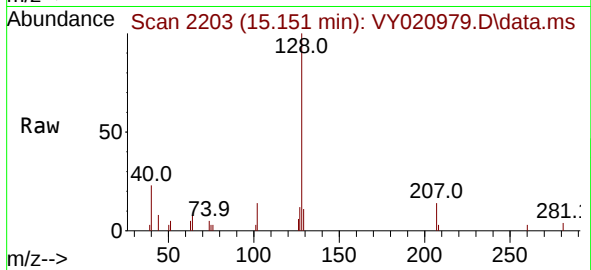
Acq: 30 Jan 2025 11:50

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:128	Resp:	3459
Ion	Ratio	Lower Upper
128	100	
127	12.5	10.2 15.4
129	10.5	8.8 13.2



#96

1,2,3-Trichlorobenzene

Concen: 5.323 ug/l

RT: 15.340 min Scan# 2234

Delta R.T. 0.006 min

Lab File: VY020979.D

Acq: 30 Jan 2025 11:50

Tgt Ion:180	Resp:	1931
Ion	Ratio	Lower Upper
180	100	
182	104.0	47.7 143.1
145	30.8	15.6 46.7

