

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020950.D
 Acq On : 27 Jan 2025 16:01
 Operator : SY/MD
 Sample : Q1194-01RE
 Misc : 7.98g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:14:50 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y012425S.M
 Quant Title : SW846 8260
 QLast Update : Sat Jan 25 01:12:18 2025
 Response via : Initial Calibration

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

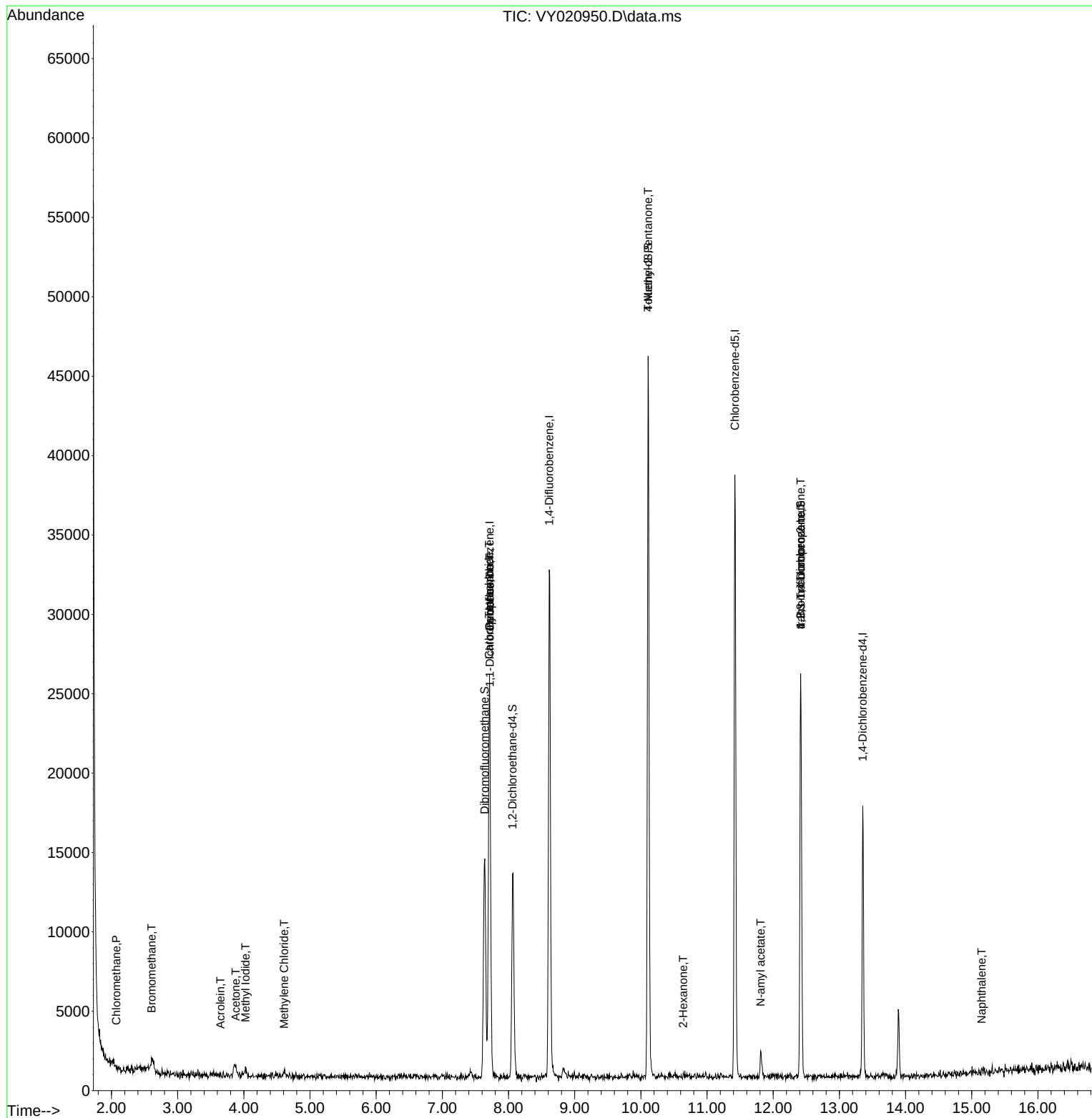
Internal Standards						
1) Pentafluorobenzene	7.713	168	21135	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	29996	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.420	117	22466	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	4581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	10970	65.100	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.200%	
35) Dibromofluoromethane	7.640	113	10369	60.214	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 120.420%	
50) Toluene-d8	10.109	98	32166	48.157	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.320%	
62) 4-Bromofluorobenzene	12.414	95	6970	31.355	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	= 62.700%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.074	50	181	1.522	ug/l #	40
5) Bromomethane	2.604	94	338	3.851	ug/l	82
10) Methyl Iodide	4.025	142	629	2.905	ug/l #	90
13) Acrolein	3.647	56	19	1.077	ug/l #	16
16) Acetone	3.879	43	1773	77.657	ug/l #	78
20) Methylene Chloride	4.610	84	272	1.602	ug/l #	36
31) Cyclohexane	7.713	56	322	1.073	ug/l #	43
36) 1,1-Dichloropropene	7.719	75	1454	6.048	ug/l #	40
38) Carbon Tetrachloride	7.707	117	2132	7.353	ug/l #	12
51) 4-Methyl-2-Pentanone	10.109	43	121	1.357	ug/l #	1
59) 2-Hexanone	10.640	43	91	1.587	ug/l #	21
74) N-amyl acetate	11.810	43	1452	25.863	ug/l #	39
76) 1,2,3-Trichloropropane	12.414	75	3430	105.899	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	3430	204.595	ug/l #	15
95) Naphthalene	15.151	128	144	1.217	ug/l #	69

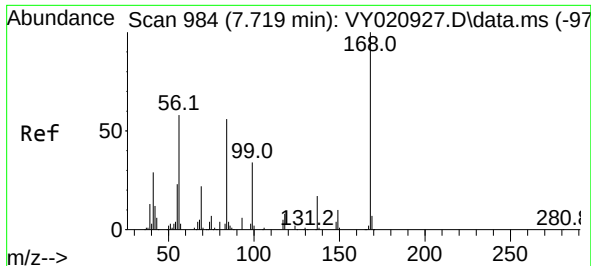
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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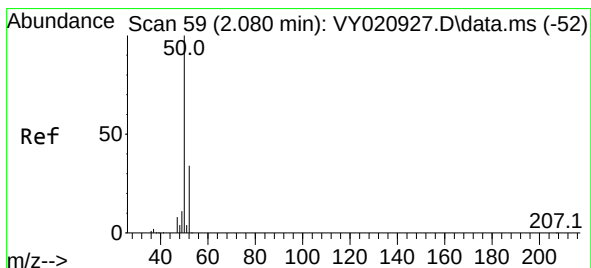
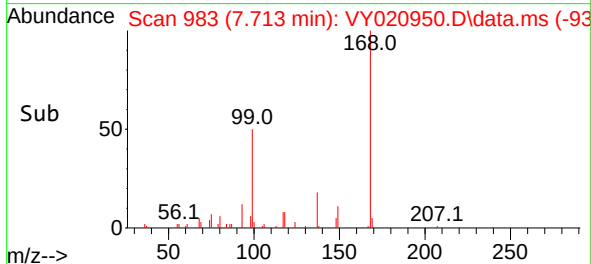
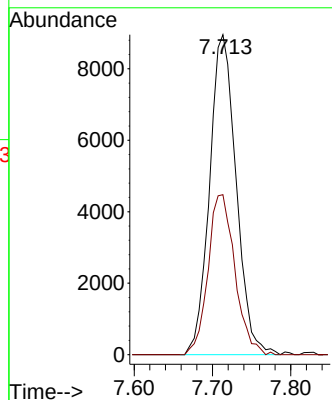
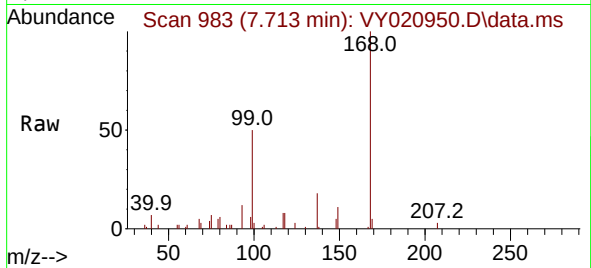




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

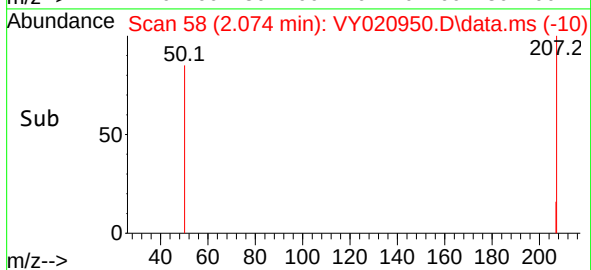
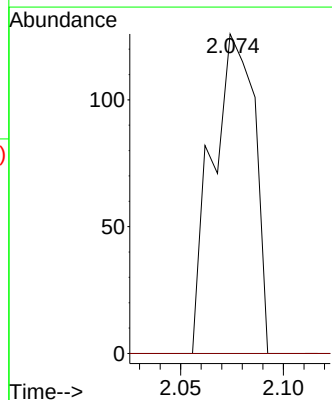
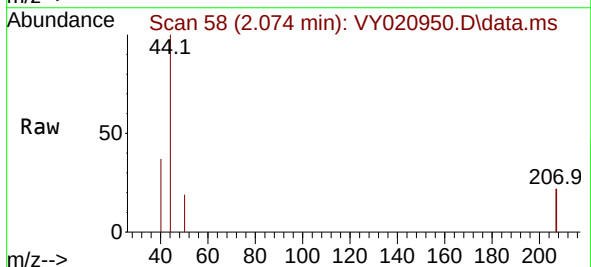
Instrument :
MSVOA_Y
ClientSampleId :

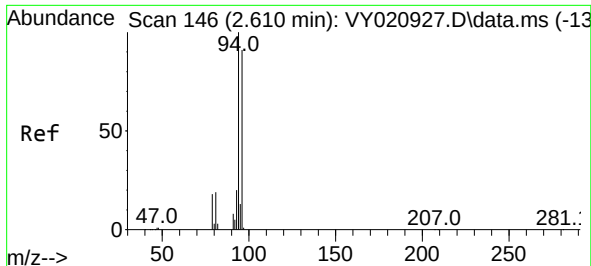
Tgt Ion:168 Resp: 21135
Ion Ratio Lower Upper
168 100
99 50.0 43.0 64.6



#3
Chloromethane
Concen: 1.522 ug/l
RT: 2.074 min Scan# 58
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

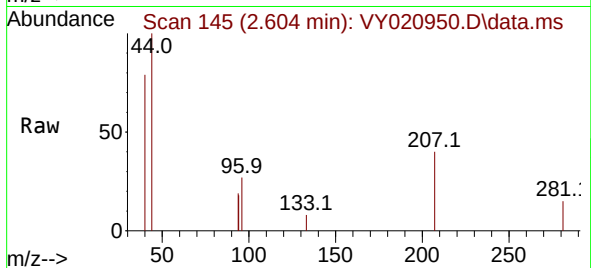
Tgt Ion: 50 Resp: 181
Ion Ratio Lower Upper
50 100
52 0.0 27.4 41.0#



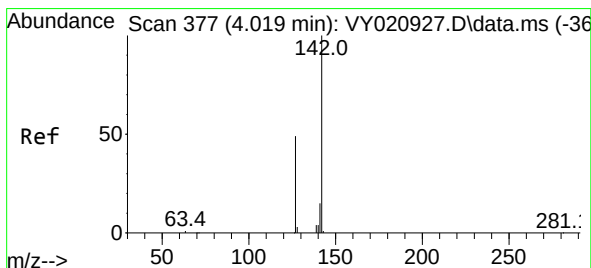
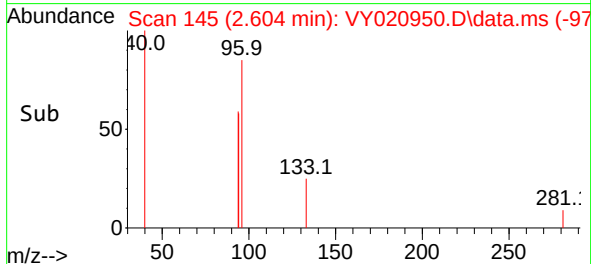
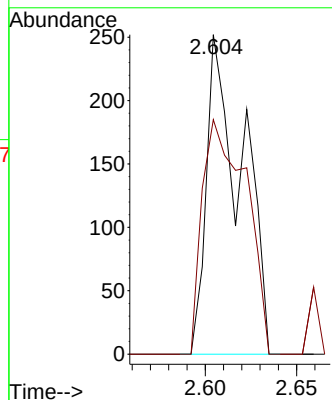


#5
Bromomethane
Concen: 3.851 ug/l
RT: 2.604 min Scan# 146
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :

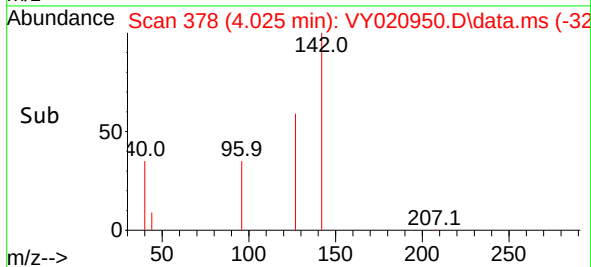
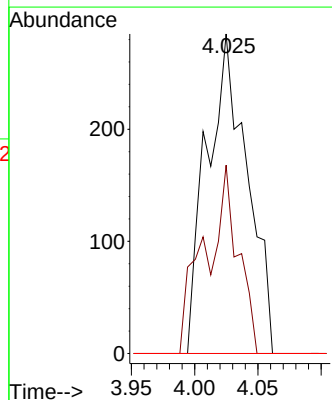
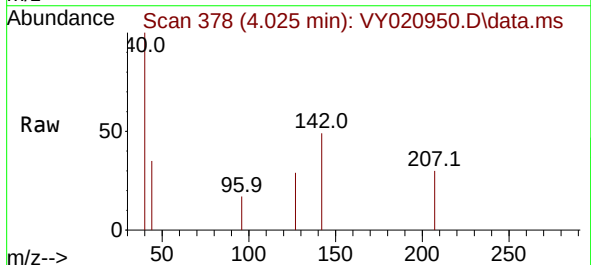


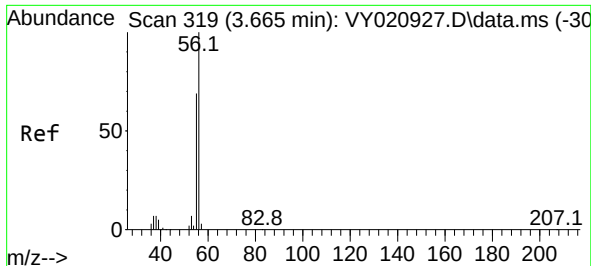
Tgt Ion: 94 Resp: 338
Ion Ratio Lower Upper
94 100
96 73.4 72.6 109.0



#10
Methyl Iodide
Concen: 2.905 ug/l
RT: 4.025 min Scan# 378
Delta R.T. 0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

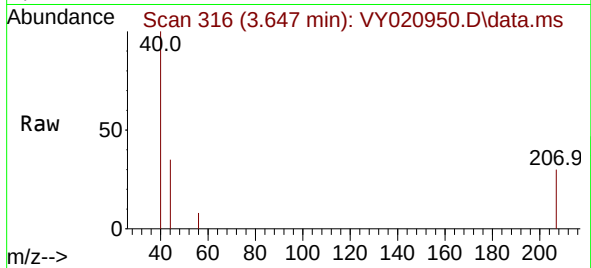
Tgt Ion: 142 Resp: 629
Ion Ratio Lower Upper
142 100
127 48.3 37.3 55.9
141 0.0 11.4 17.2#



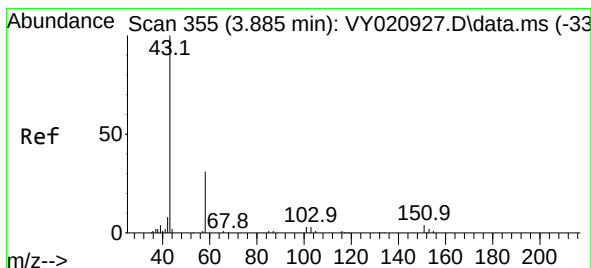
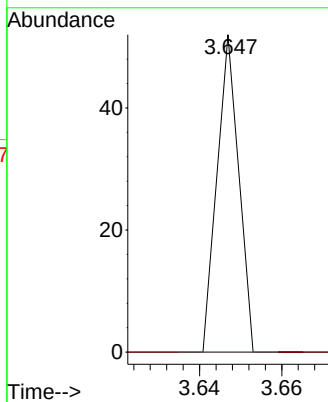
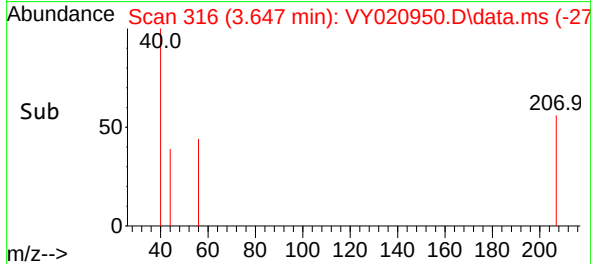


#13
Acrolein
Concen: 1.077 ug/l
RT: 3.647 min Scan# 319
Delta R.T. -0.018 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

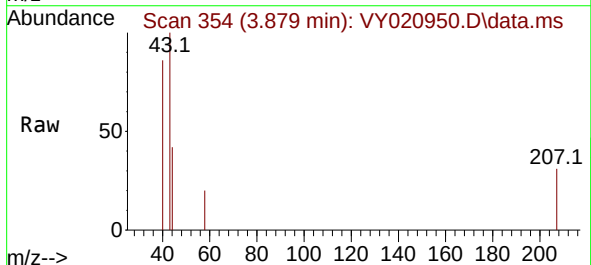
Instrument :
MSVOA_Y
ClientSampleId :



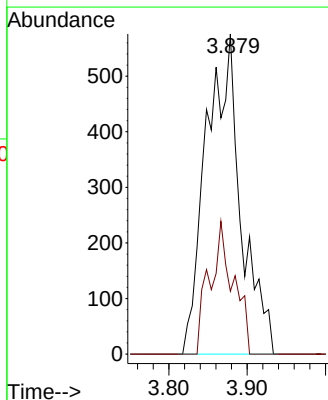
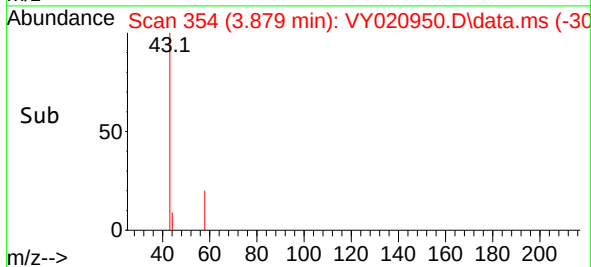
Tgt Ion: 56 Resp: 19
Ion Ratio Lower Upper
56 100
55 0.0 54.6 81.8#

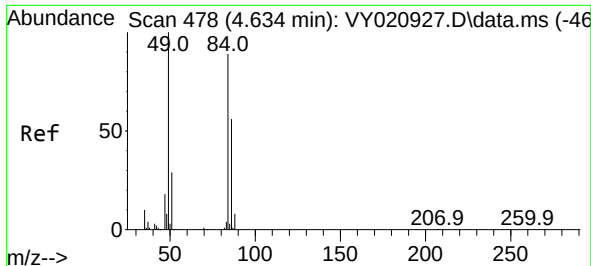


#16
Acetone
Concen: 77.657 ug/l
RT: 3.879 min Scan# 354
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01



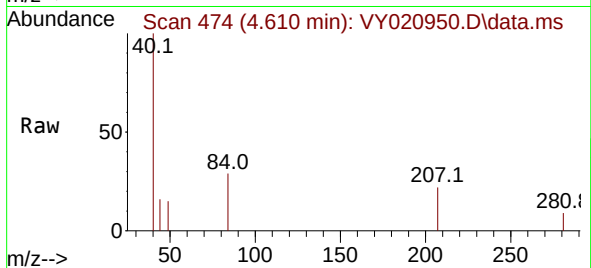
Tgt Ion: 43 Resp: 1773
Ion Ratio Lower Upper
43 100
58 19.6 25.6 38.4#



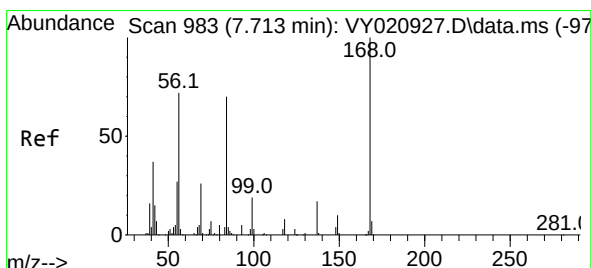
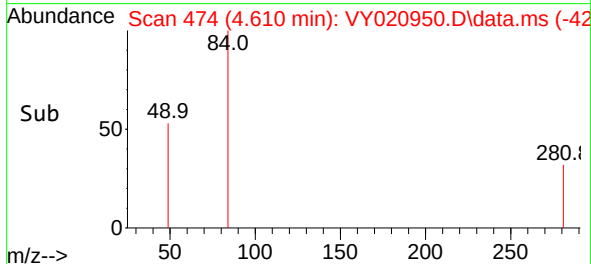
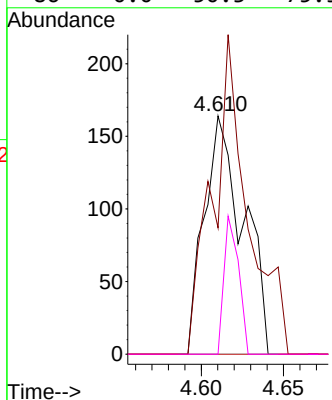


#20
Methylene Chloride
Concen: 1.602 ug/l
RT: 4.610 min Scan# 41
Delta R.T. -0.024 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :

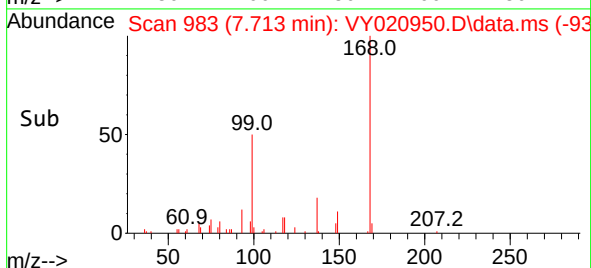
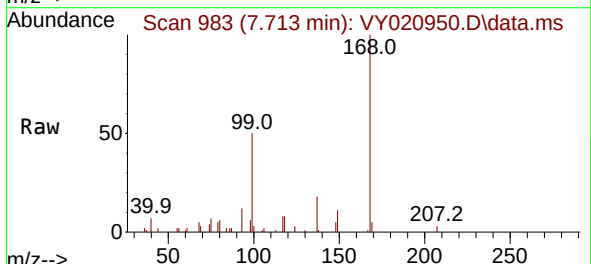
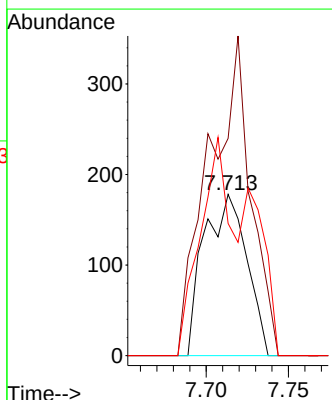


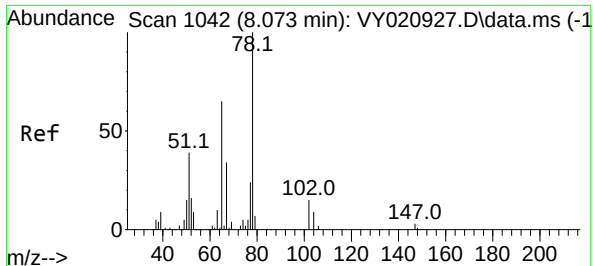
Tgt Ion:	84	Resp:	272
Ion	Ratio	Lower	Upper
84	100		
49	53.0	90.3	135.5#
51	0.0	26.6	39.8#
86	0.0	50.3	75.5#



#31
Cyclohexane
Concen: 1.073 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.000 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion:	56	Resp:	322
Ion	Ratio	Lower	Upper
56	100		
69	134.8	28.7	43.1#
84	82.0	77.4	116.0





#33

1,2-Dichloroethane-d4

Concen: 65.100 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.012 min

Lab File: VY020950.D

Acq: 27 Jan 2025 16:01

Instrument :

MSVOA_Y

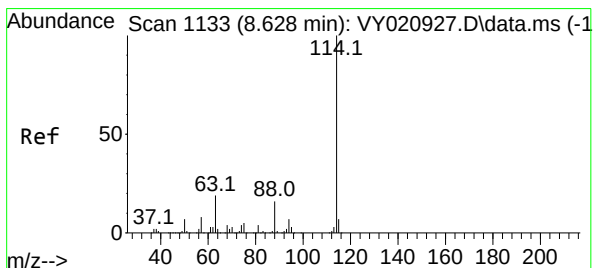
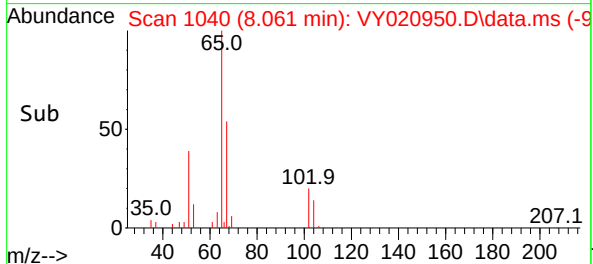
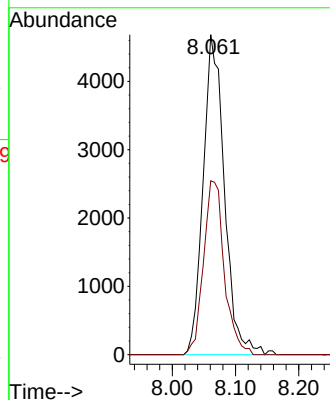
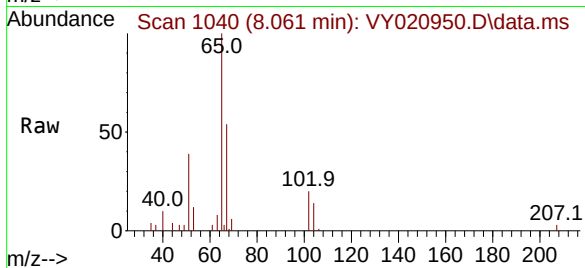
ClientSampleId :

Tgt Ion: 65 Resp: 10970

Ion Ratio Lower Upper

65 100

67 53.0 0.0 105.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.012 min

Lab File: VY020950.D

Acq: 27 Jan 2025 16:01

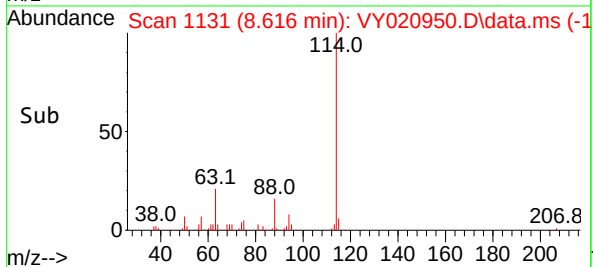
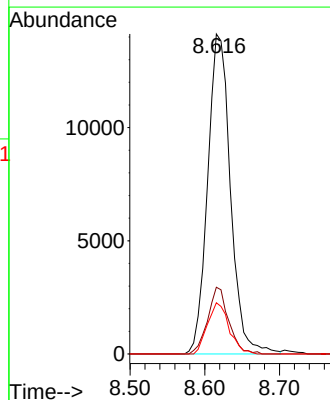
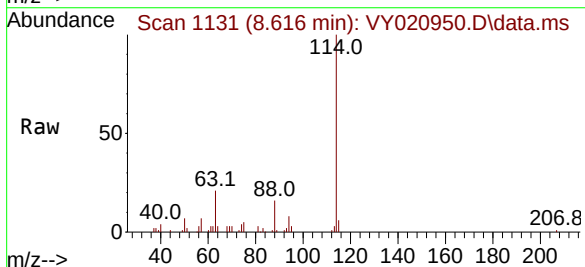
Tgt Ion: 114 Resp: 29996

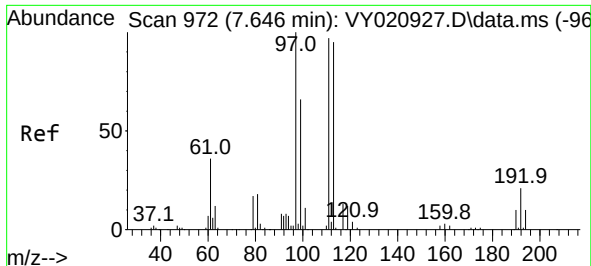
Ion Ratio Lower Upper

114 100

63 20.8 0.0 38.4

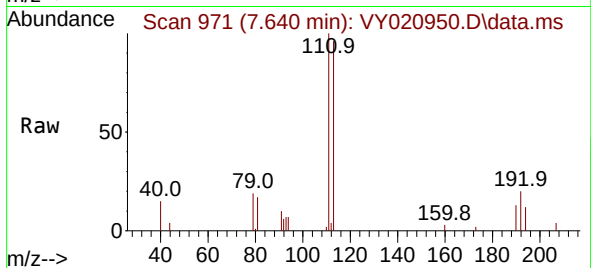
88 16.0 0.0 31.6



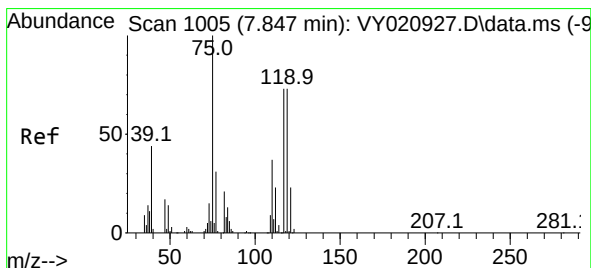
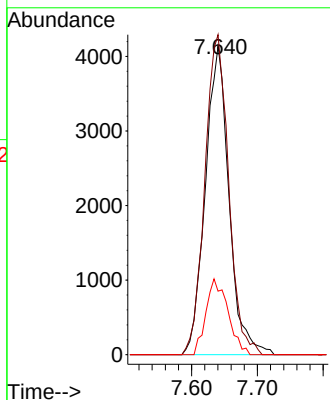
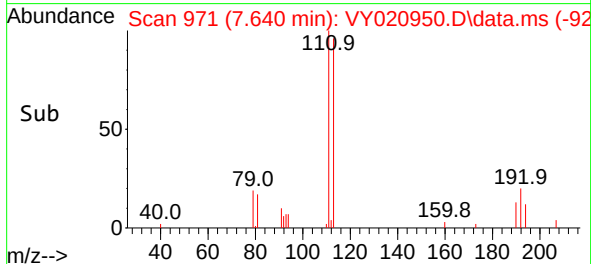


#35
Dibromofluoromethane
Concen: 60.214 ug/l
RT: 7.640 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

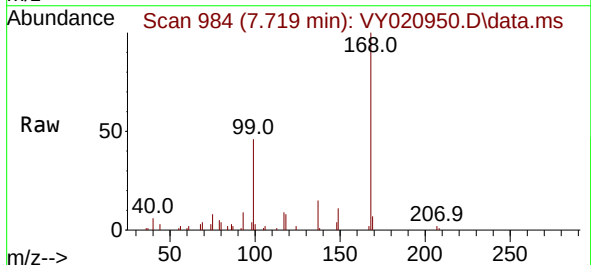
Instrument :
MSVOA_Y
ClientSampleId :



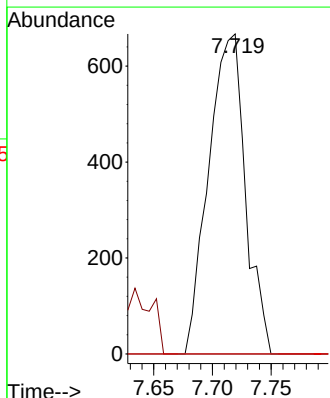
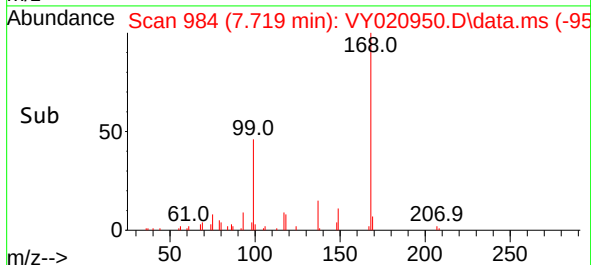
Tgt Ion:113 Resp: 10369
Ion Ratio Lower Upper
113 100
111 104.1 82.3 123.5
192 22.8 17.4 26.2

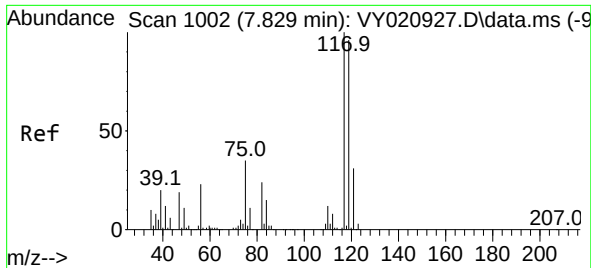


#36
1,1-Dichloropropene
Concen: 6.048 ug/l
RT: 7.719 min Scan# 984
Delta R.T. -0.128 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01



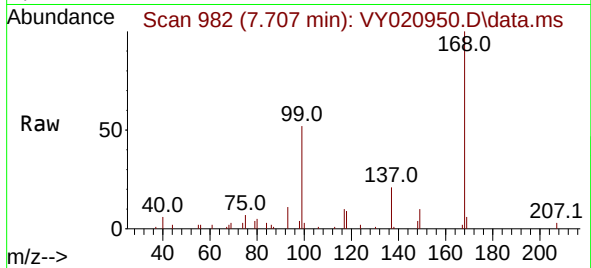
Tgt Ion: 75 Resp: 1454
Ion Ratio Lower Upper
75 100
110 0.0 18.5 55.5#
77 0.0 25.0 37.4#



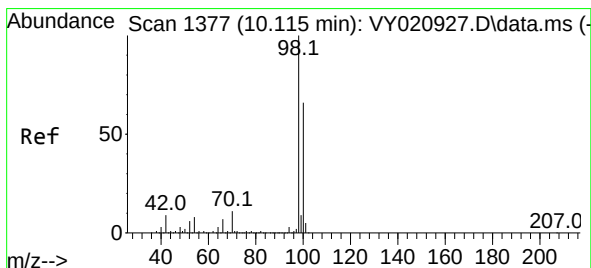
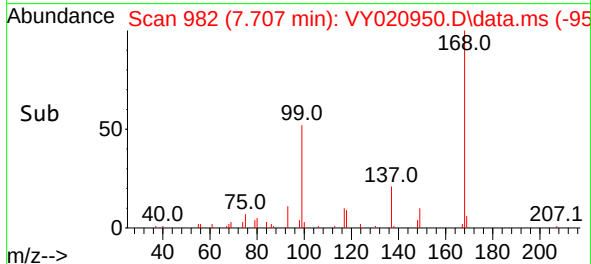
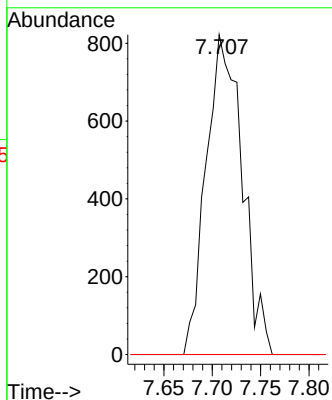


#38
Carbon Tetrachloride
Concen: 7.353 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Instrument :
MSVOA_Y
ClientSampleId :

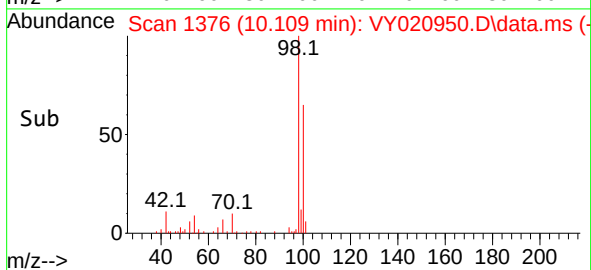
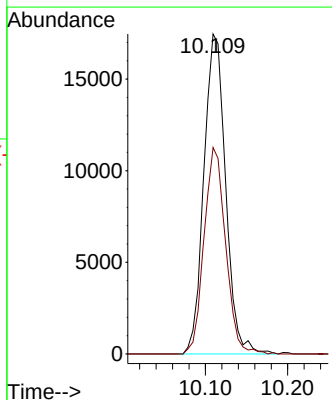
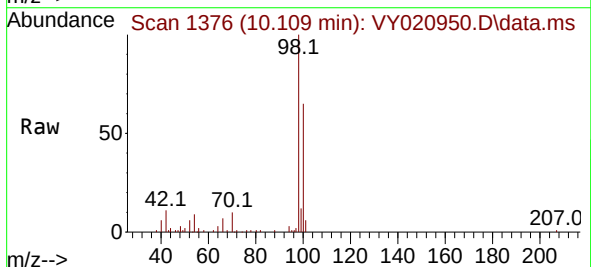


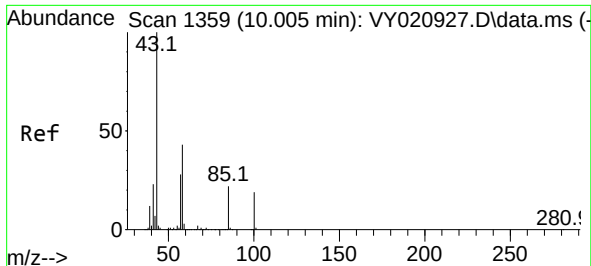
Tgt Ion:117 Resp: 2132
Ion Ratio Lower Upper
117 100
119 0.0 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 48.157 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion: 98 Resp: 32166
Ion Ratio Lower Upper
98 100
100 63.9 52.3 78.5

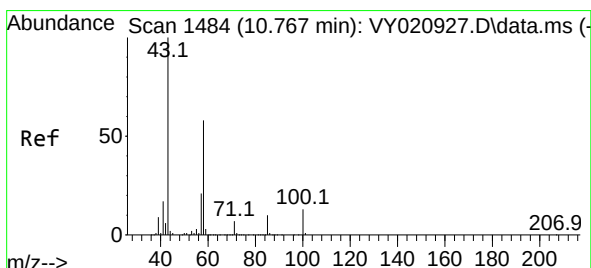
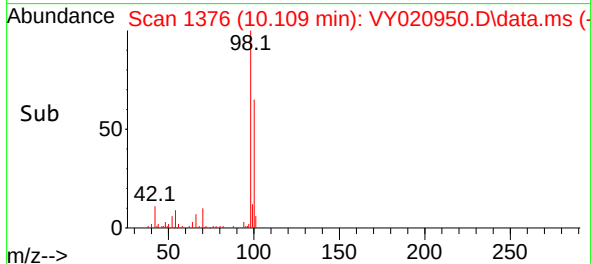
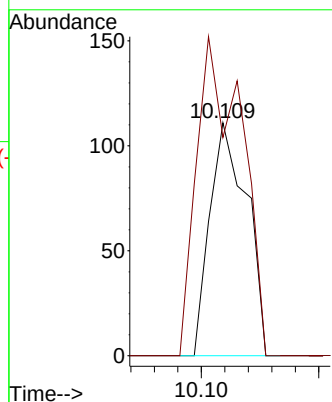
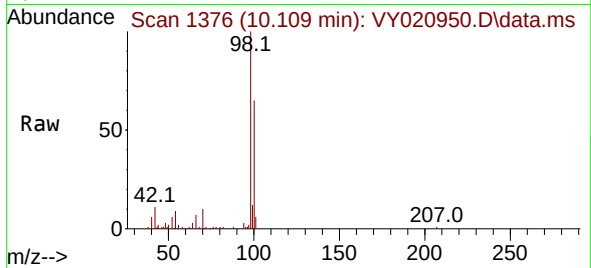




#51
4-Methyl-2-Pentanone
Concen: 1.357 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.104 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

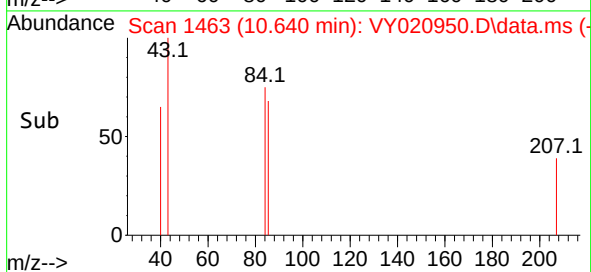
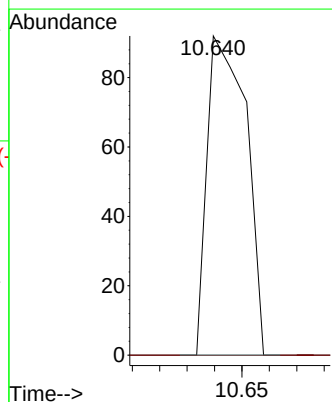
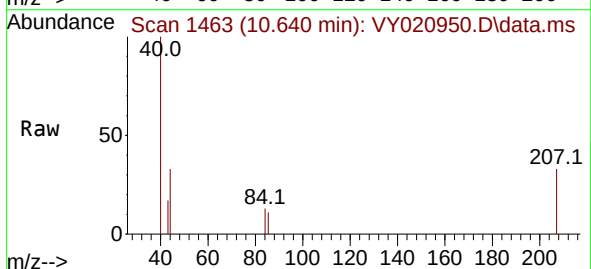
Instrument :
MSVOA_Y
ClientSampleId :

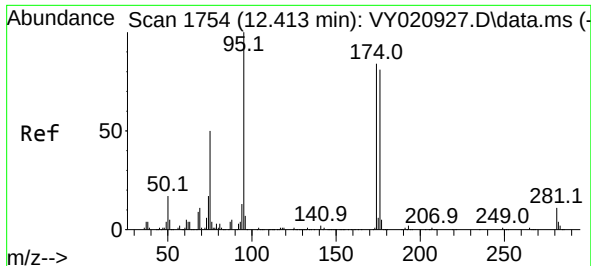
Tgt Ion: 43 Resp: 121
Ion Ratio Lower Upper
43 100
58 166.9 33.7 50.5#



#59
2-Hexanone
Concen: 1.587 ug/l
RT: 10.640 min Scan# 1463
Delta R.T. -0.128 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion: 43 Resp: 91
Ion Ratio Lower Upper
43 100
58 0.0 29.9 89.8#

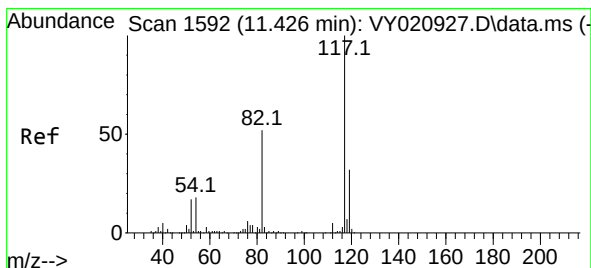
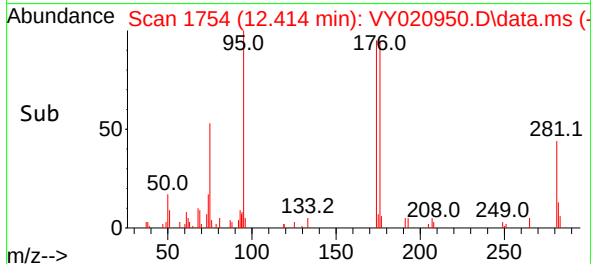
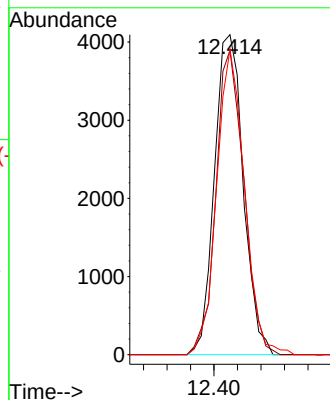
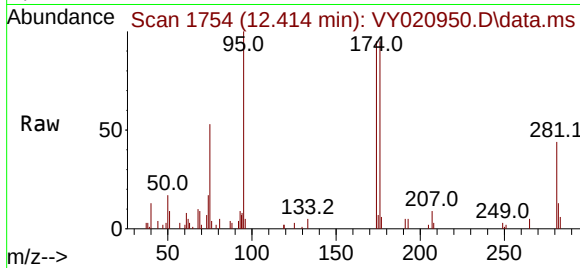




#62
4-Bromofluorobenzene
Concen: 31.355 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

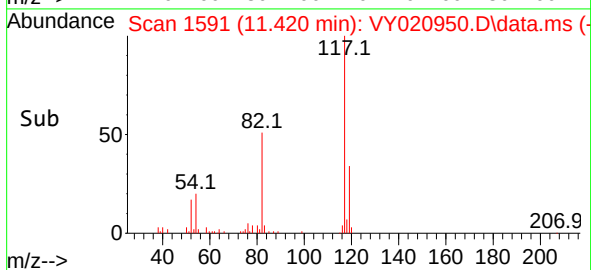
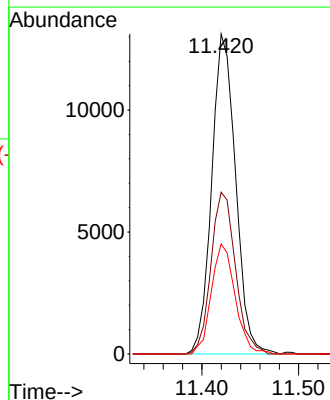
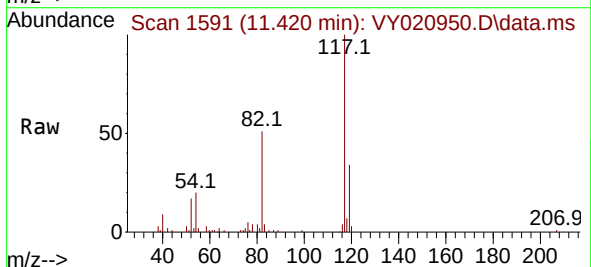
Instrument :
MSVOA_Y
ClientSampleId :

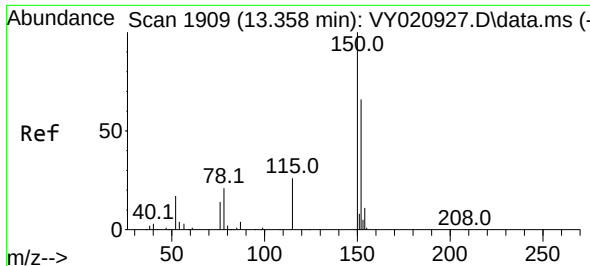
Tgt Ion: 95 Resp: 6970
Ion Ratio Lower Upper
95 100
174 92.2 0.0 177.4
176 92.2 0.0 172.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1591
Delta R.T. -0.006 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

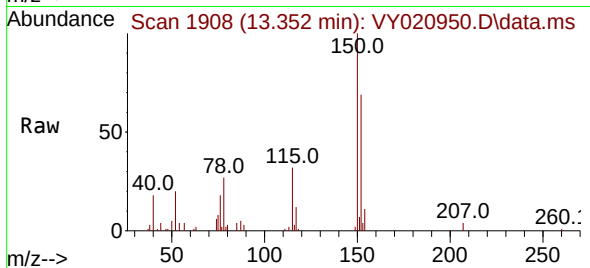
Tgt Ion: 117 Resp: 22466
Ion Ratio Lower Upper
117 100
82 50.6 41.8 62.8
119 34.4 26.0 39.0



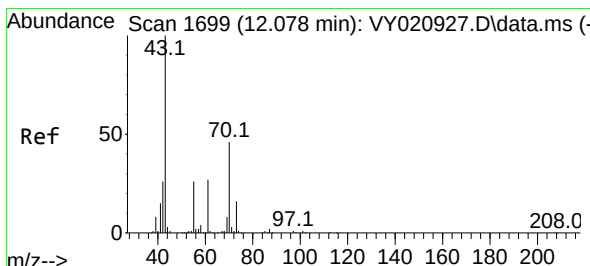
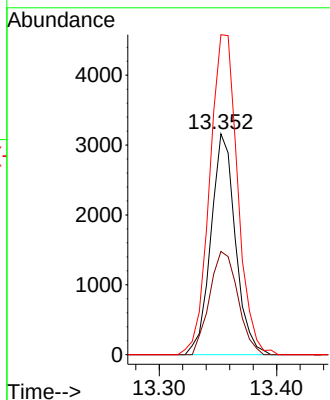
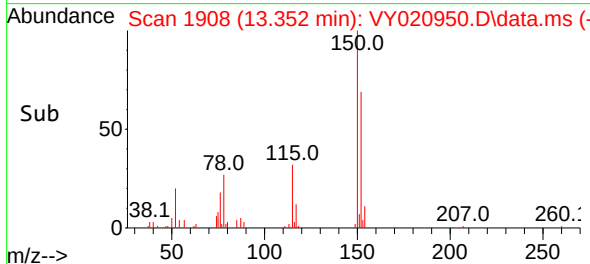


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.352 min Scan# 1909
 Delta R.T. -0.006 min
 Lab File: VY020950.D
 Acq: 27 Jan 2025 16:01

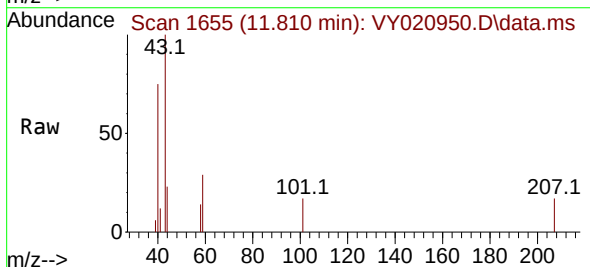
Instrument :
 MSVOA_Y
 ClientSampleId :



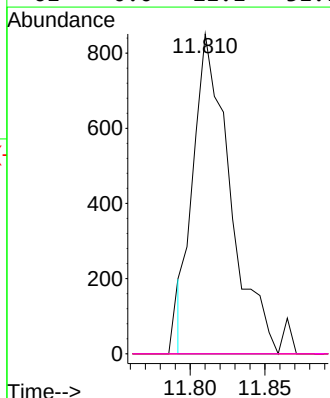
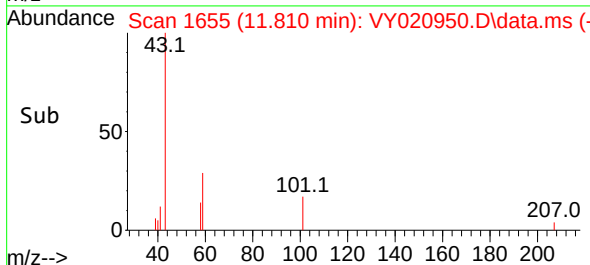
Tgt Ion:152 Resp: 4581
 Ion Ratio Lower Upper
 152 100
 115 54.0 29.0 87.0
 150 165.1 0.0 347.6

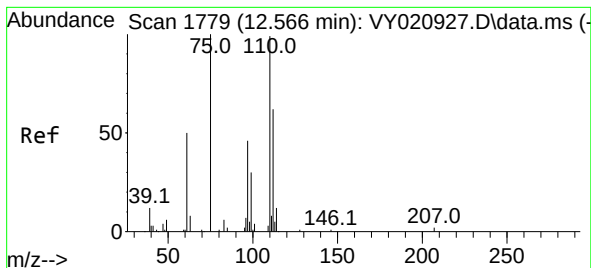


#74
 N-ethyl acetate
 Concen: 25.863 ug/l
 RT: 11.810 min Scan# 1655
 Delta R.T. -0.268 min
 Lab File: VY020950.D
 Acq: 27 Jan 2025 16:01



Tgt Ion: 43 Resp: 1452
 Ion Ratio Lower Upper
 43 100
 70 0.0 38.7 58.1#
 55 0.0 21.6 32.4#
 61 0.0 21.1 31.7#

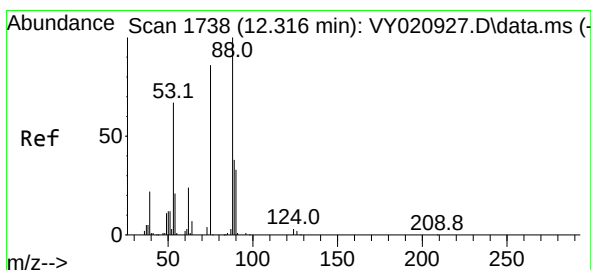
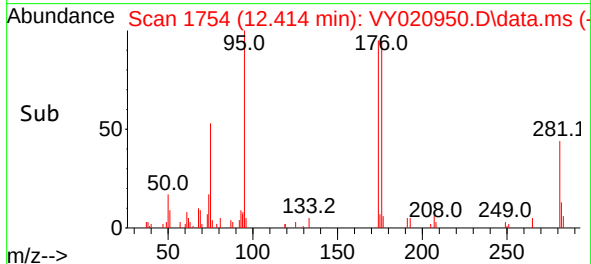
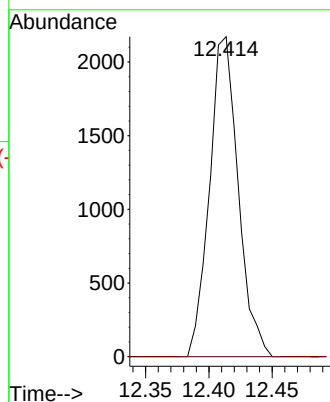
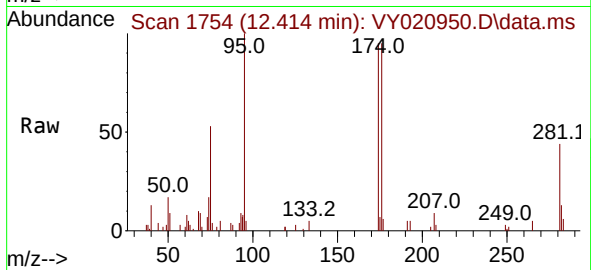




#76
1,2,3-Trichloropropane
Concen: 105.899 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. -0.152 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

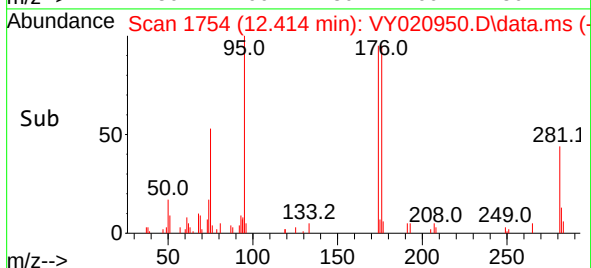
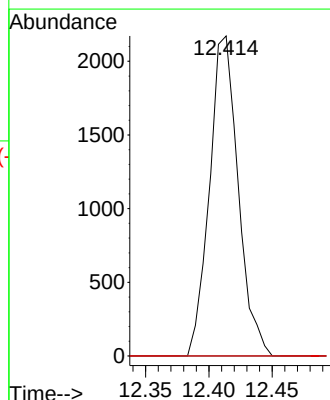
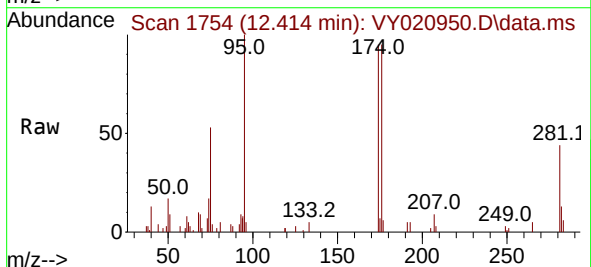
Instrument :
MSVOA_Y
ClientSampleId :

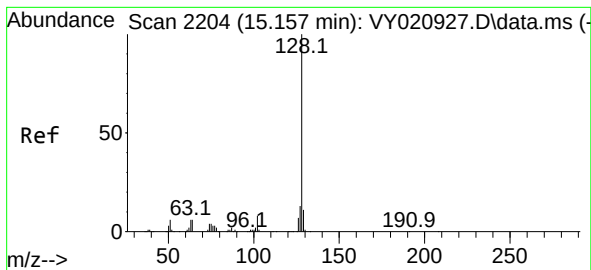
Tgt Ion: 75 Resp: 3430
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0



#81
trans-1,4-Dichloro-2-butene
Concen: 204.595 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.098 min
Lab File: VY020950.D
Acq: 27 Jan 2025 16:01

Tgt Ion: 75 Resp: 3430
Ion Ratio Lower Upper
75 100
53 0.0 67.7 101.5#
89 0.0 38.4 57.6#





#95

Naphthalene

Concen: 1.217 ug/l

RT: 15.151 min Scan# 21

Delta R.T. -0.006 min

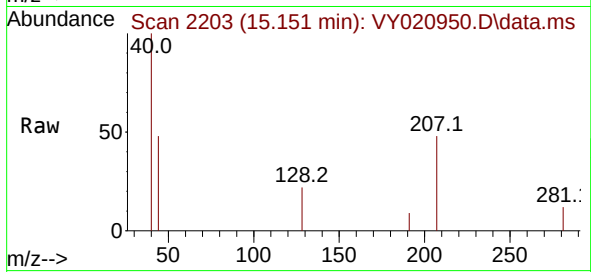
Lab File: VY020950.D

Acq: 27 Jan 2025 16:01

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 144

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.8 13.2#

