

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012725\
 Data File : VY020947.D
 Acq On : 27 Jan 2025 14:47
 Operator : SY/MD
 Sample : Q1194-02
 Misc : 5.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 28 01:13:42 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)

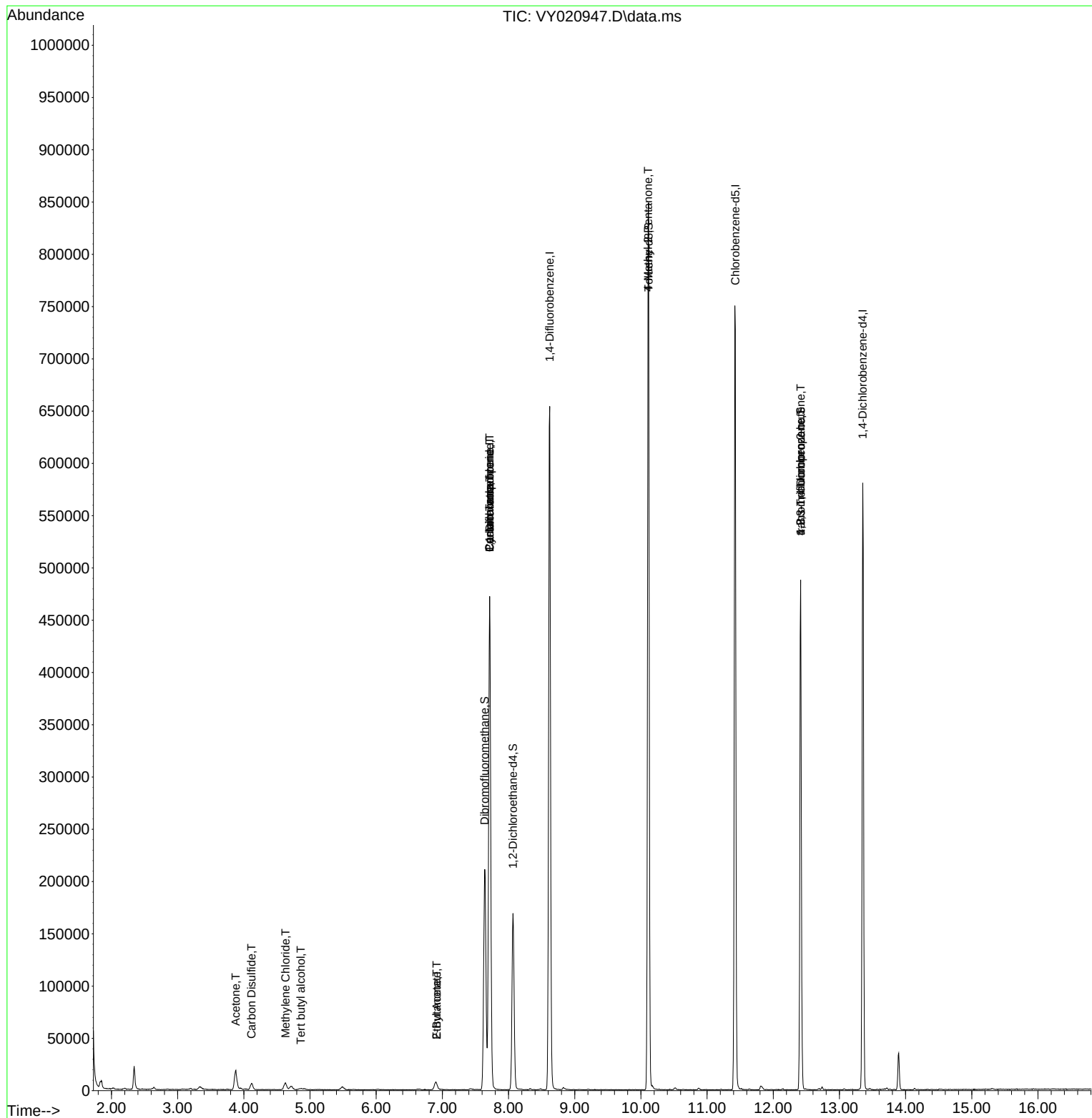
Internal Standards						
1) Pentafluorobenzene	7.713	168	382024	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	583439	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	419826	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.352	152	153323	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	134752	44.240	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.480%
35) Dibromofluoromethane	7.640	113	153725	45.896	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	91.800%
50) Toluene-d8	10.115	98	578784	44.550	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	89.100%
62) 4-Bromofluorobenzene	12.414	95	146415	33.863	ug/l	0.00
Spiked Amount	50.000	Range	29 - 146	Recovery	=	67.720%
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.860	59	2528	10.751	ug/l #	86
16) Acetone	3.879	43	31891	77.277	ug/l	96
17) Carbon Disulfide	4.116	76	11967	1.250	ug/l	100
20) Methylene Chloride	4.628	84	5217	1.700	ug/l	97
25) 2-Butanone	6.915	43	7710	11.029	ug/l	95
31) Cyclohexane	7.713	56	6195	1.142	ug/l #	1
36) 1,1-Dichloropropene	7.713	75	25984	5.556	ug/l #	49
37) Ethyl Acetate	6.915	43	7710	4.249	ug/l #	67
38) Carbon Tetrachloride	7.713	117	36958	6.553	ug/l #	15
51) 4-Methyl-2-Pentanone	10.109	43	2158	1.244	ug/l #	1
76) 1,2,3-Trichloropropane	12.414	75	74199	68.446	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.414	75	74199	132.237	ug/l #	15

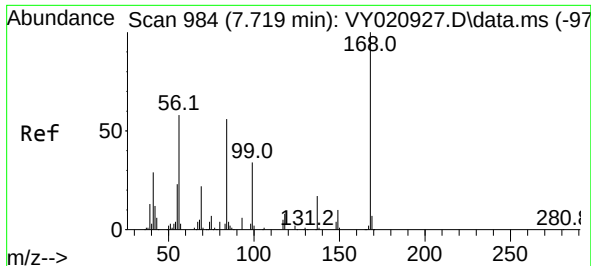
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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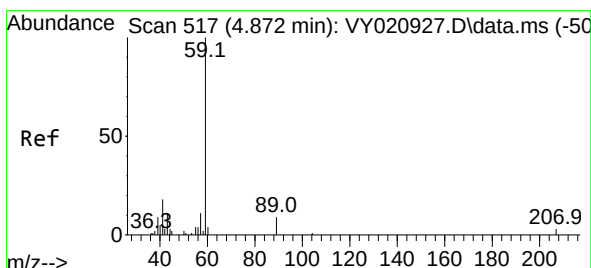
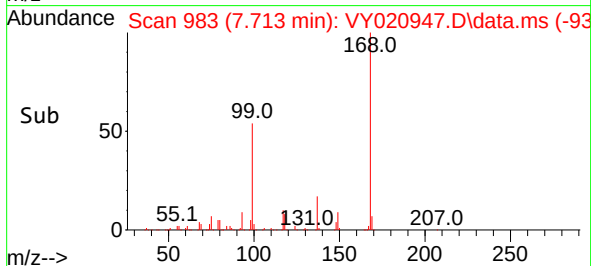
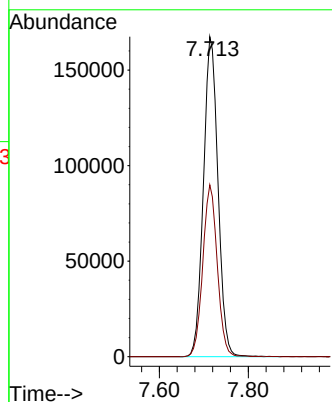
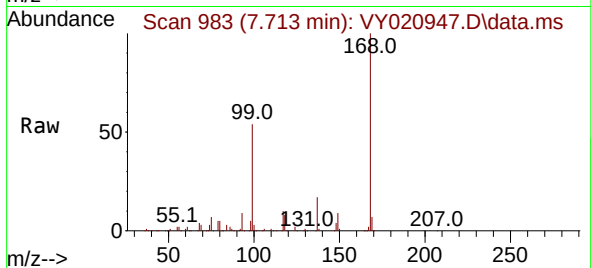




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

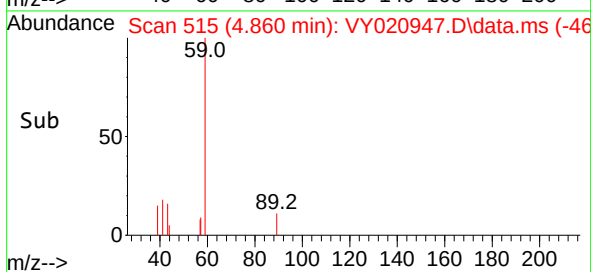
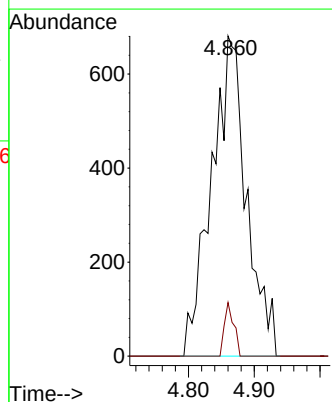
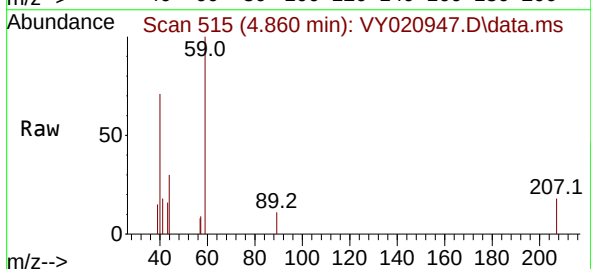
Instrument :
MSVOA_Y
ClientSampleId :

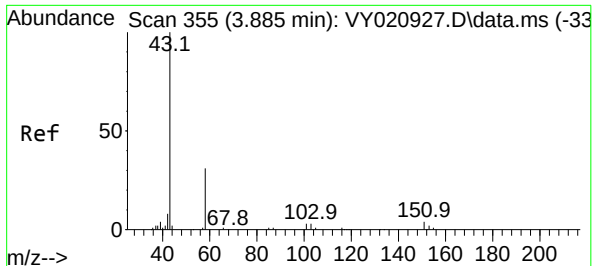
Tgt Ion:168 Resp: 382024
Ion Ratio Lower Upper
168 100
99 53.7 43.0 64.6



#11
Tert butyl alcohol
Concen: 10.751 ug/l
RT: 4.860 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 59 Resp: 2528
Ion Ratio Lower Upper
59 100
57 4.5 7.7 11.5#





#16

Acetone

Concen: 77.277 ug/l

RT: 3.879 min Scan# 31

Delta R.T. -0.006 min

Lab File: VY020947.D

Acq: 27 Jan 2025 14:47

Instrument :

MSVOA_Y

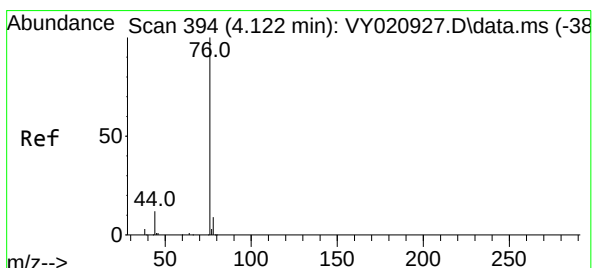
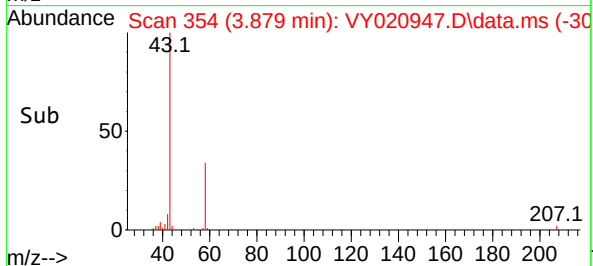
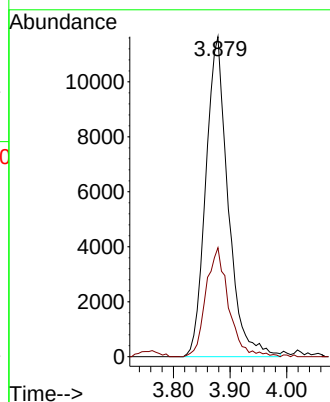
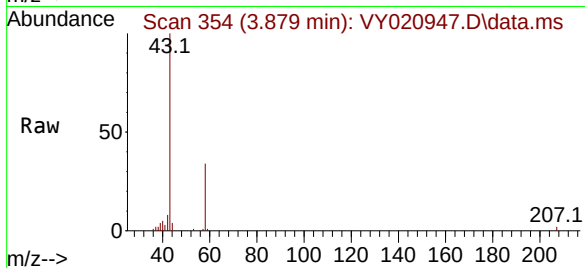
ClientSampleId :

Tgt Ion: 43 Resp: 31891

Ion Ratio Lower Upper

43 100

58 34.1 25.6 38.4



#17

Carbon Disulfide

Concen: 1.250 ug/l

RT: 4.116 min Scan# 393

Delta R.T. -0.006 min

Lab File: VY020947.D

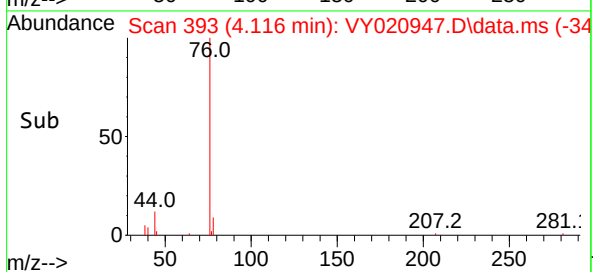
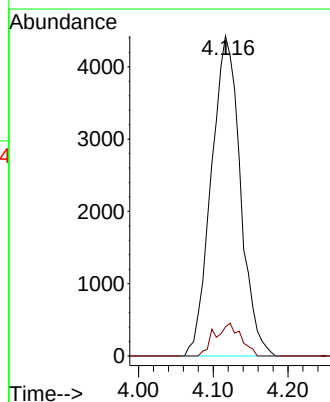
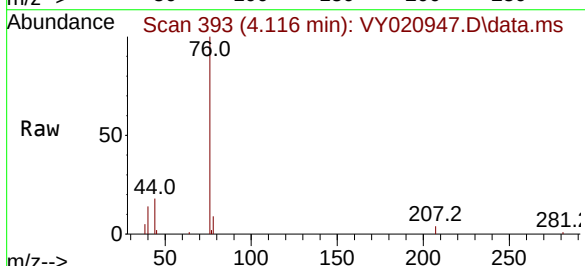
Acq: 27 Jan 2025 14:47

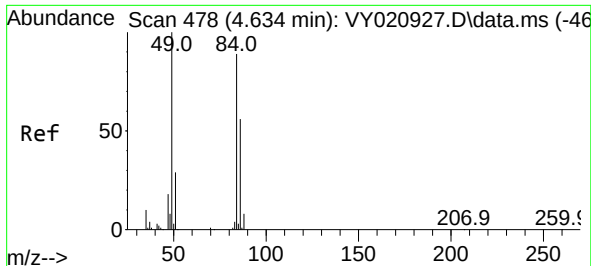
Tgt Ion: 76 Resp: 11967

Ion Ratio Lower Upper

76 100

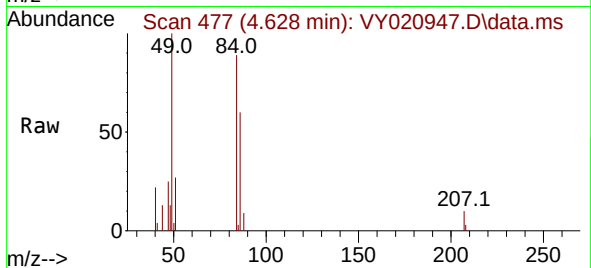
78 9.1 7.2 10.8



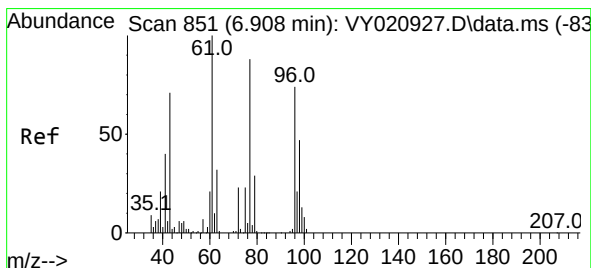
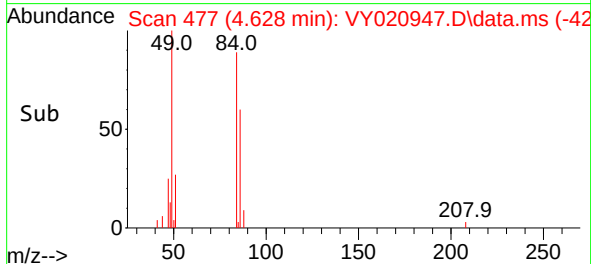
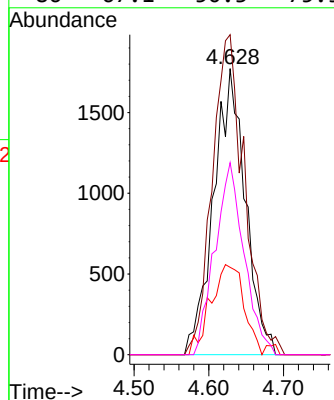


#20
Methylene Chloride
Concen: 1.700 ug/l
RT: 4.628 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :

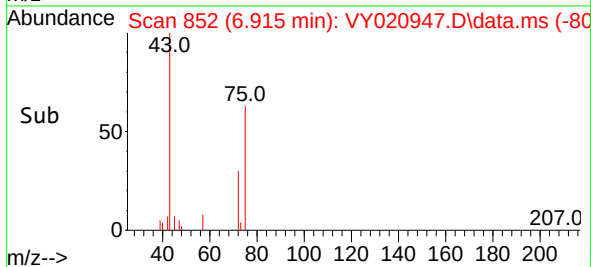
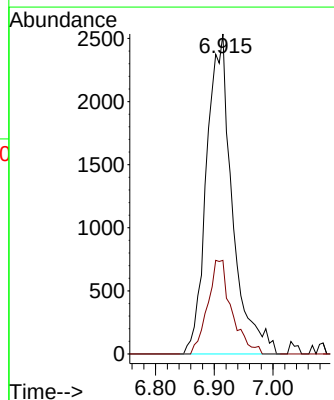
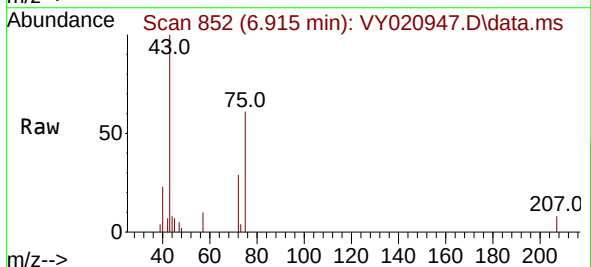


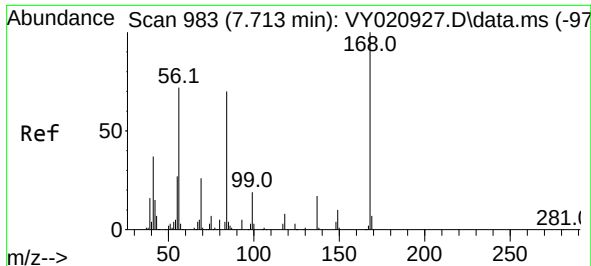
Tgt Ion:	84	Resp:	5217
Ion	Ratio	Lower	Upper
84	100		
49	111.9	90.3	135.5
51	30.5	26.6	39.8
86	67.1	50.3	75.5



#25
2-Butanone
Concen: 11.029 ug/l
RT: 6.915 min Scan# 852
Delta R.T. 0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

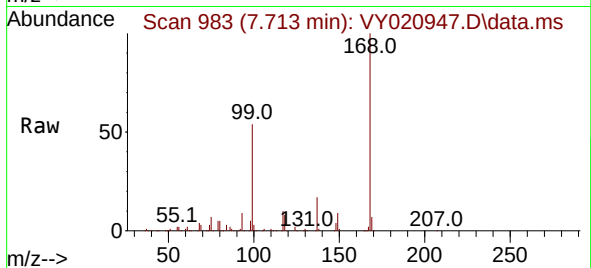
Tgt Ion:	43	Resp:	7710
Ion	Ratio	Lower	Upper
43	100		
72	29.3	25.8	38.8



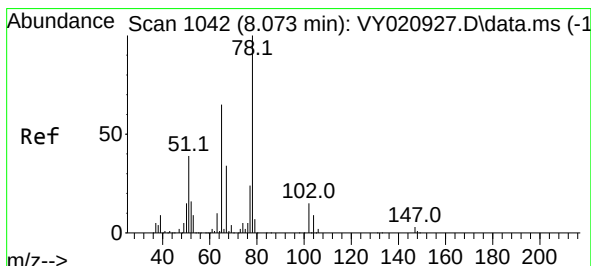
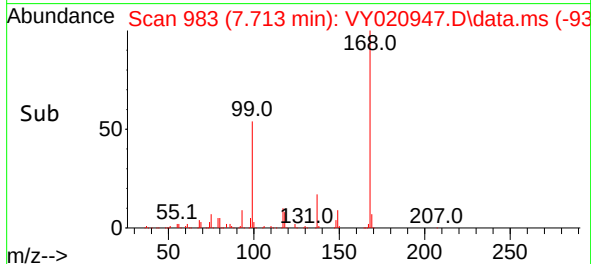
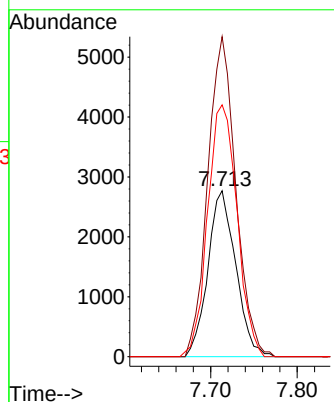


#31
Cyclohexane
Concen: 1.142 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :

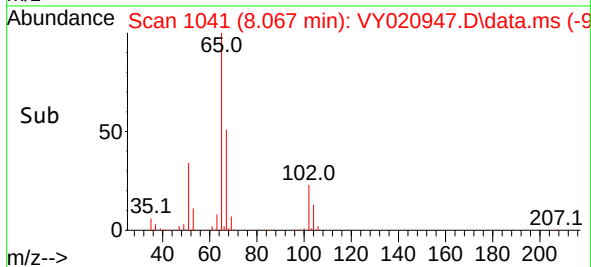
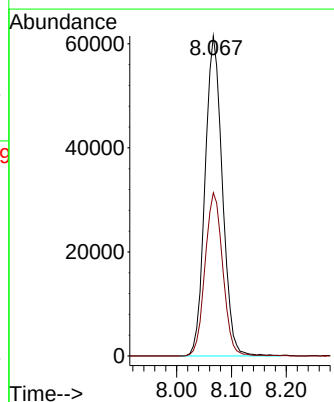
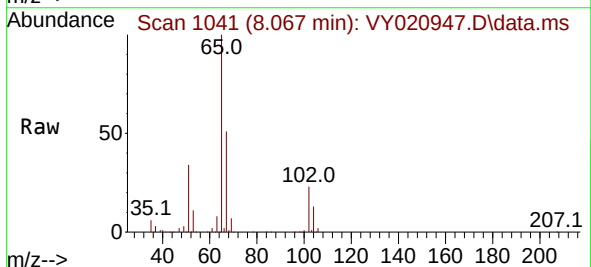


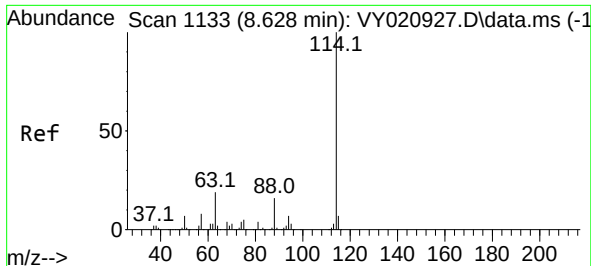
Tgt Ion	Ratio	Lower	Upper
56	100		
69	192.9	28.7	43.1#
84	151.8	77.4	116.0#



#33
1,2-Dichloroethane-d4
Concen: 44.240 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	105.8

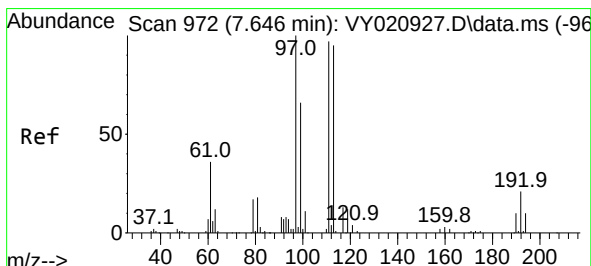
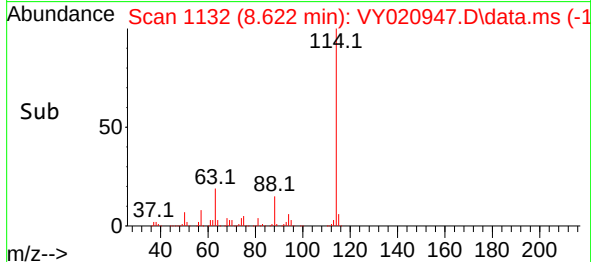
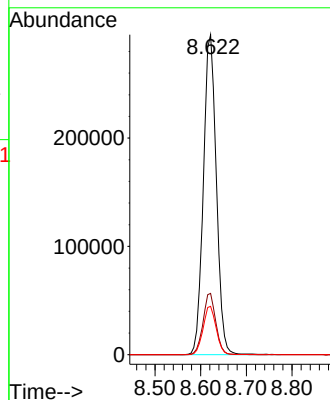
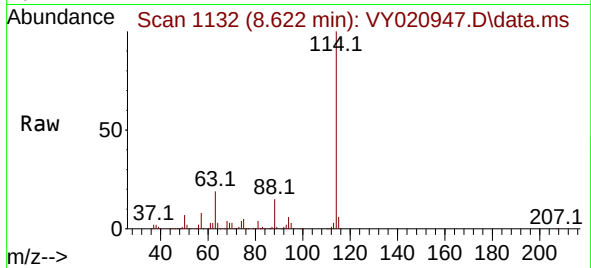




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.622 min Scan# 1133
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

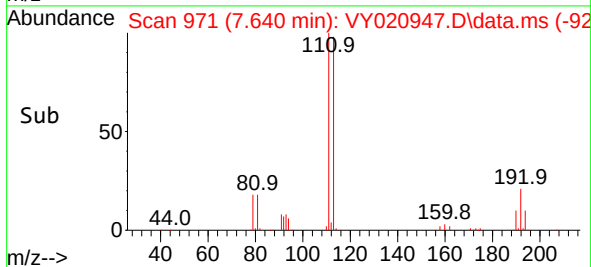
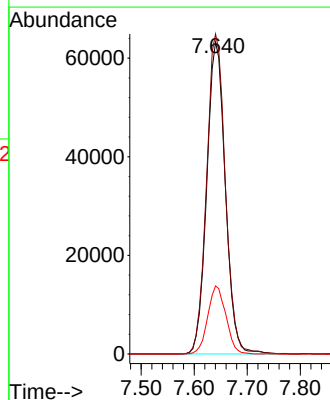
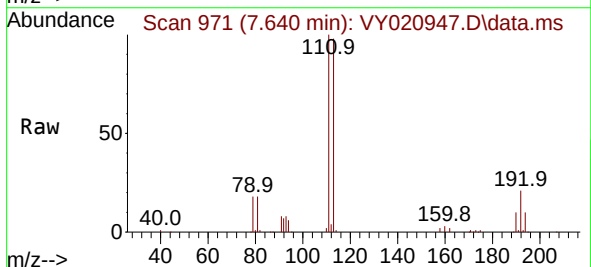
Instrument :
MSVOA_Y
ClientSampleId :

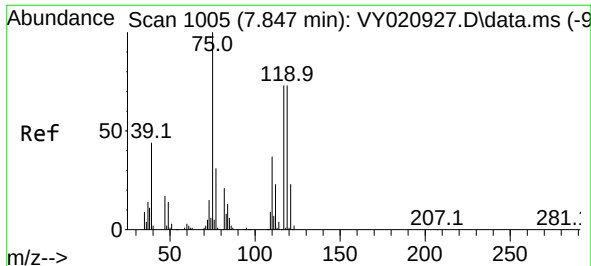
Tgt Ion:114 Resp: 583439
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 15.1 0.0 31.6



#35
Dibromofluoromethane
Concen: 45.896 ug/l
RT: 7.640 min Scan# 971
Delta R.T. -0.006 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion:113 Resp: 153725
Ion Ratio Lower Upper
113 100
111 103.8 82.3 123.5
192 21.3 17.4 26.2





#36

1,1-Dichloropropene

Concen: 5.556 ug/l

RT: 7.713 min Scan# 91

Delta R.T. -0.134 min

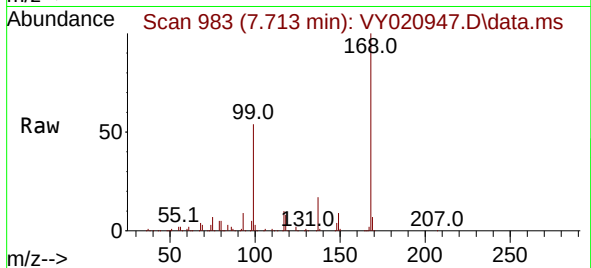
Lab File: VY020947.D

Acq: 27 Jan 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :



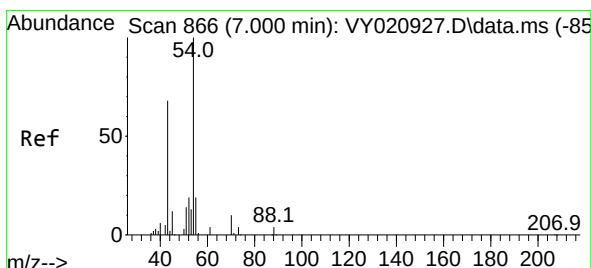
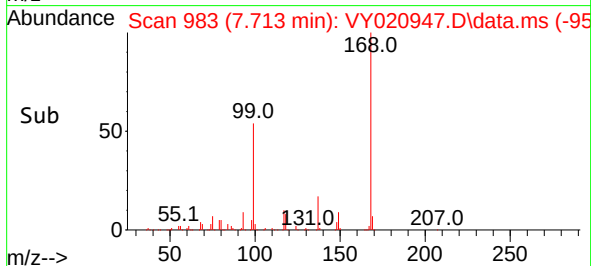
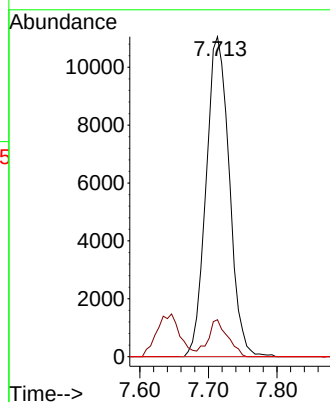
Tgt Ion: 75 Resp: 25984

Ion Ratio Lower Upper

75 100

110 9.7 18.5 55.5#

77 0.0 25.0 37.4#



#37

Ethyl Acetate

Concen: 4.249 ug/l

RT: 6.915 min Scan# 852

Delta R.T. -0.085 min

Lab File: VY020947.D

Acq: 27 Jan 2025 14:47

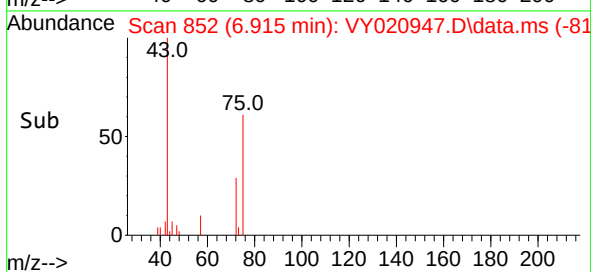
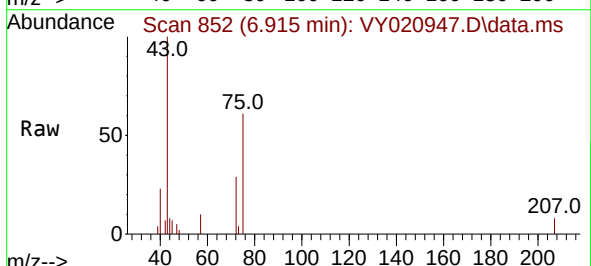
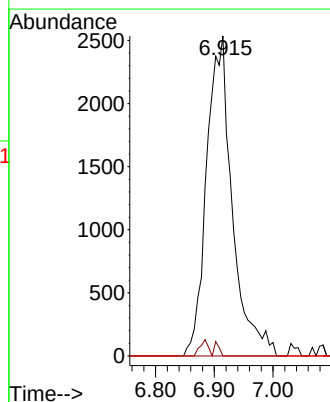
Tgt Ion: 43 Resp: 7710

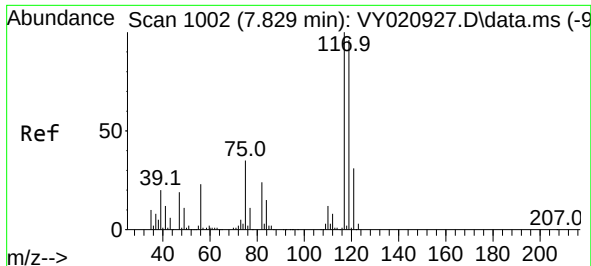
Ion Ratio Lower Upper

43 100

61 0.9 12.1 18.1#

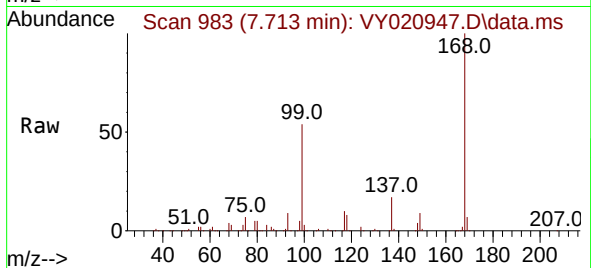
70 0.0 9.5 14.3#



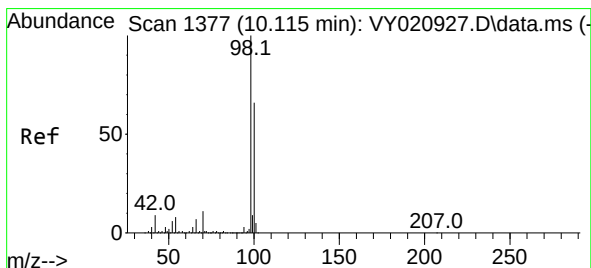
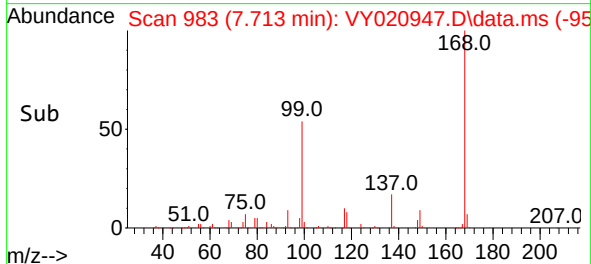
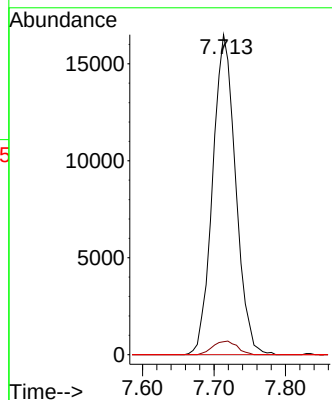


#38
Carbon Tetrachloride
Concen: 6.553 ug/l
RT: 7.713 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Instrument :
MSVOA_Y
ClientSampleId :

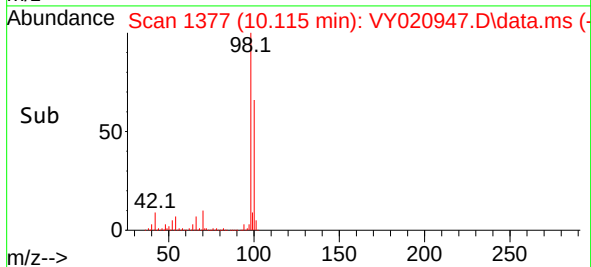
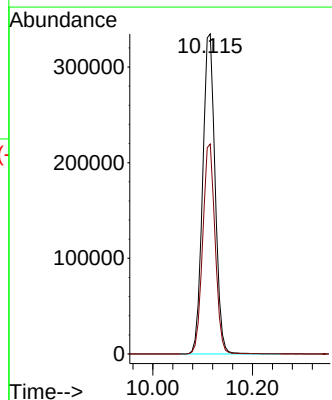
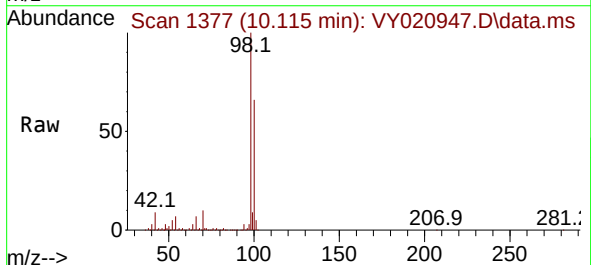


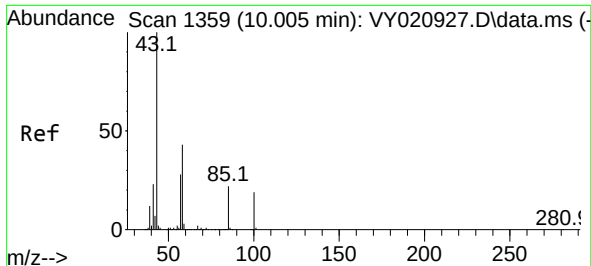
Tgt Ion:117 Resp: 36958
Ion Ratio Lower Upper
117 100
119 4.1 76.5 114.7#
121 0.0 25.0 37.4#



#50
Toluene-d8
Concen: 44.550 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.000 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 98 Resp: 578784
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5

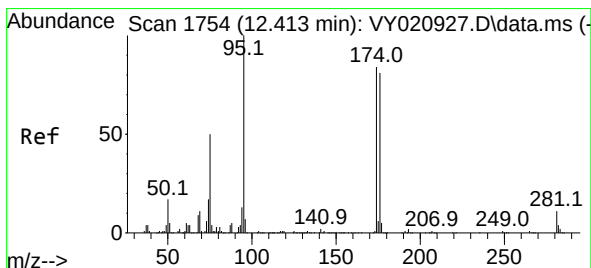
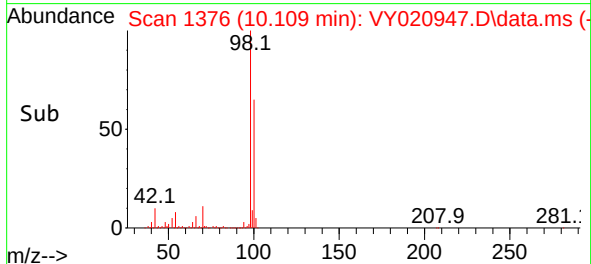
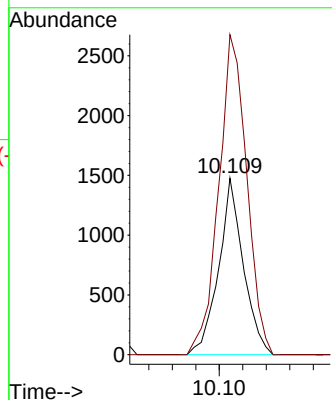
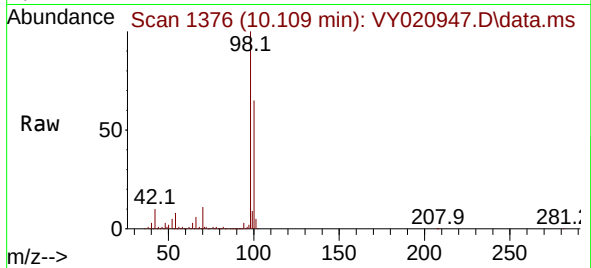




#51
4-Methyl-2-Pentanone
Concen: 1.244 ug/l
RT: 10.109 min Scan# 1359
Delta R.T. 0.104 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

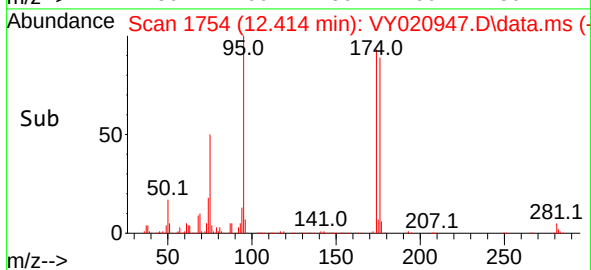
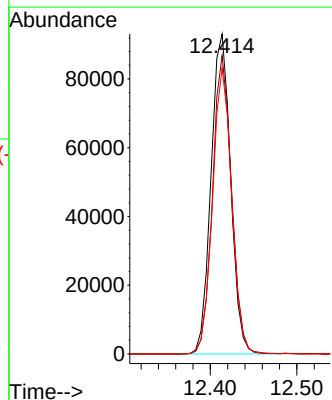
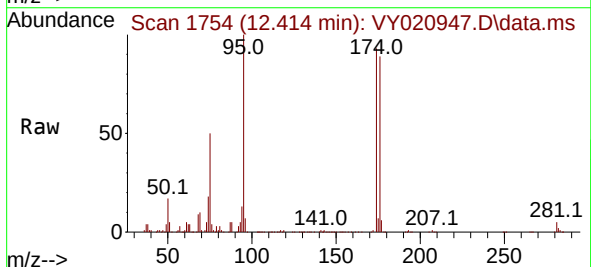
Instrument :
MSVOA_Y
ClientSampleId :

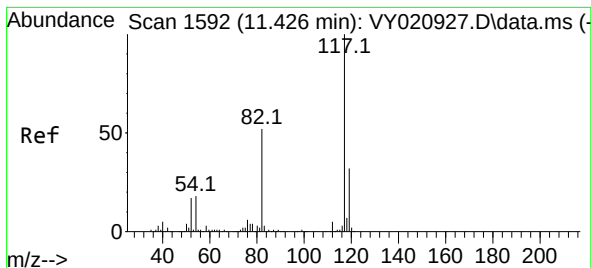
Tgt Ion: 43 Resp: 2158
Ion Ratio Lower Upper
43 100
58 205.5 33.7 50.5#



#62
4-Bromofluorobenzene
Concen: 33.863 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.000 min
Lab File: VY020947.D
Acq: 27 Jan 2025 14:47

Tgt Ion: 95 Resp: 146415
Ion Ratio Lower Upper
95 100
174 90.4 0.0 177.4
176 87.4 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.000 min

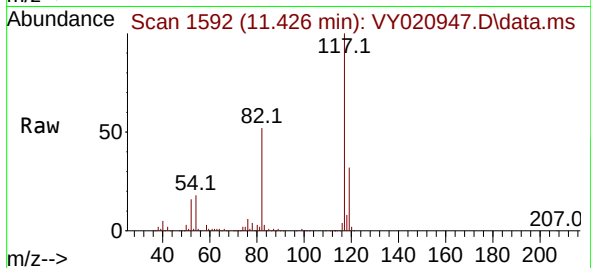
Lab File: VY020947.D

Acq: 27 Jan 2025 14:47

Instrument :

MSVOA_Y

ClientSampleId :



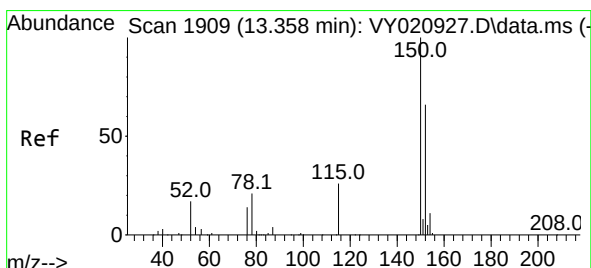
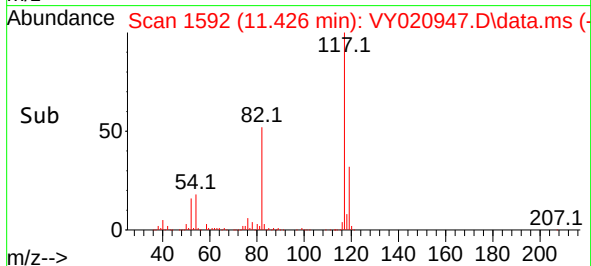
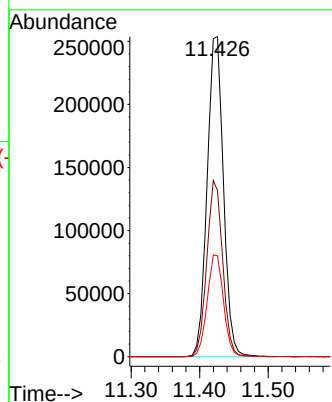
Tgt Ion:117 Resp: 419826

Ion Ratio Lower Upper

117 100

82 51.9 41.8 62.8

119 31.6 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: VY020947.D

Acq: 27 Jan 2025 14:47

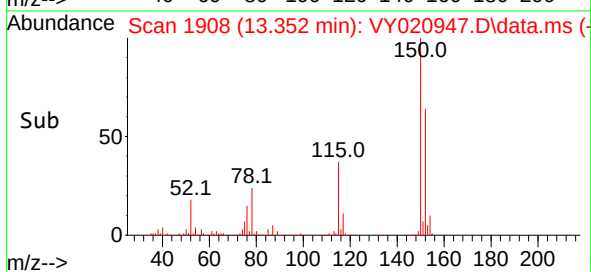
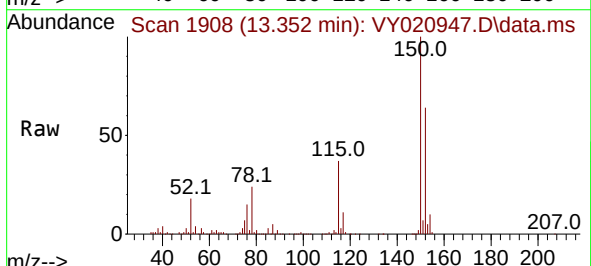
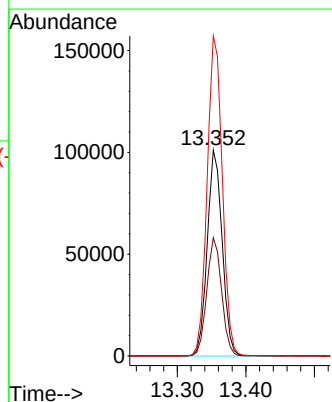
Tgt Ion:152 Resp: 153323

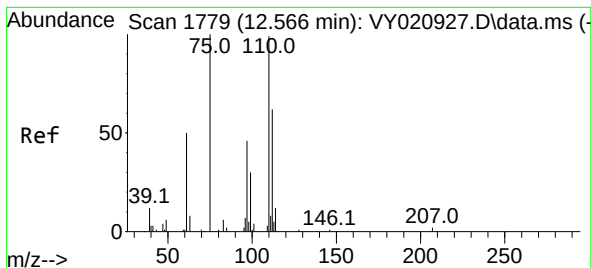
Ion Ratio Lower Upper

152 100

115 57.1 29.0 87.0

150 157.6 0.0 347.6

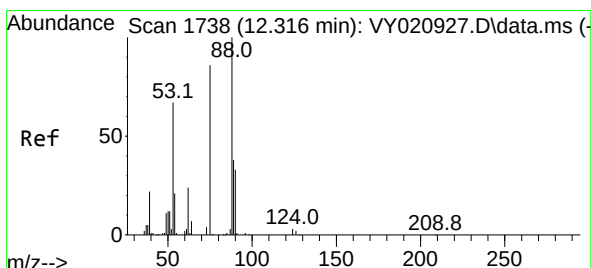
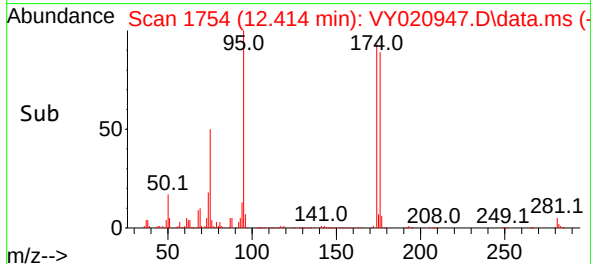
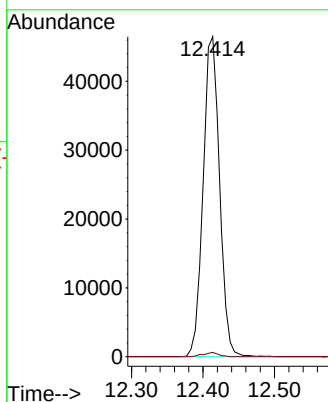
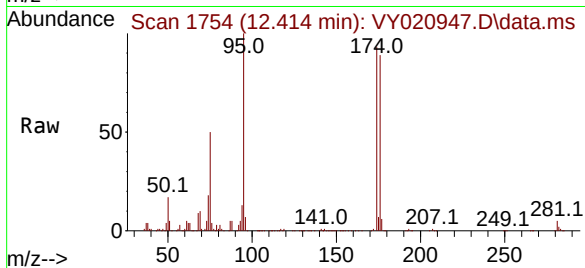




#76
 1,2,3-Trichloropropane
 Concen: 68.446 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. -0.152 min
 Lab File: VY020947.D
 Acq: 27 Jan 2025 14:47

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion: 75 Resp: 74199
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 132.237 ug/l
 RT: 12.414 min Scan# 1754
 Delta R.T. 0.098 min
 Lab File: VY020947.D
 Acq: 27 Jan 2025 14:47

Tgt Ion: 75 Resp: 74199
 Ion Ratio Lower Upper
 75 100
 53 0.0 67.7 101.5#
 89 0.1 38.4 57.6#

