

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081023\
 Data File : VY015021.D
 Acq On : 10 Aug 2023 12:39
 Operator : SY/MD
 Sample : VY0810SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Aug 10 14:22:25 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y080723S.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 08 07:44:56 2023
 Response via : Initial Calibration

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

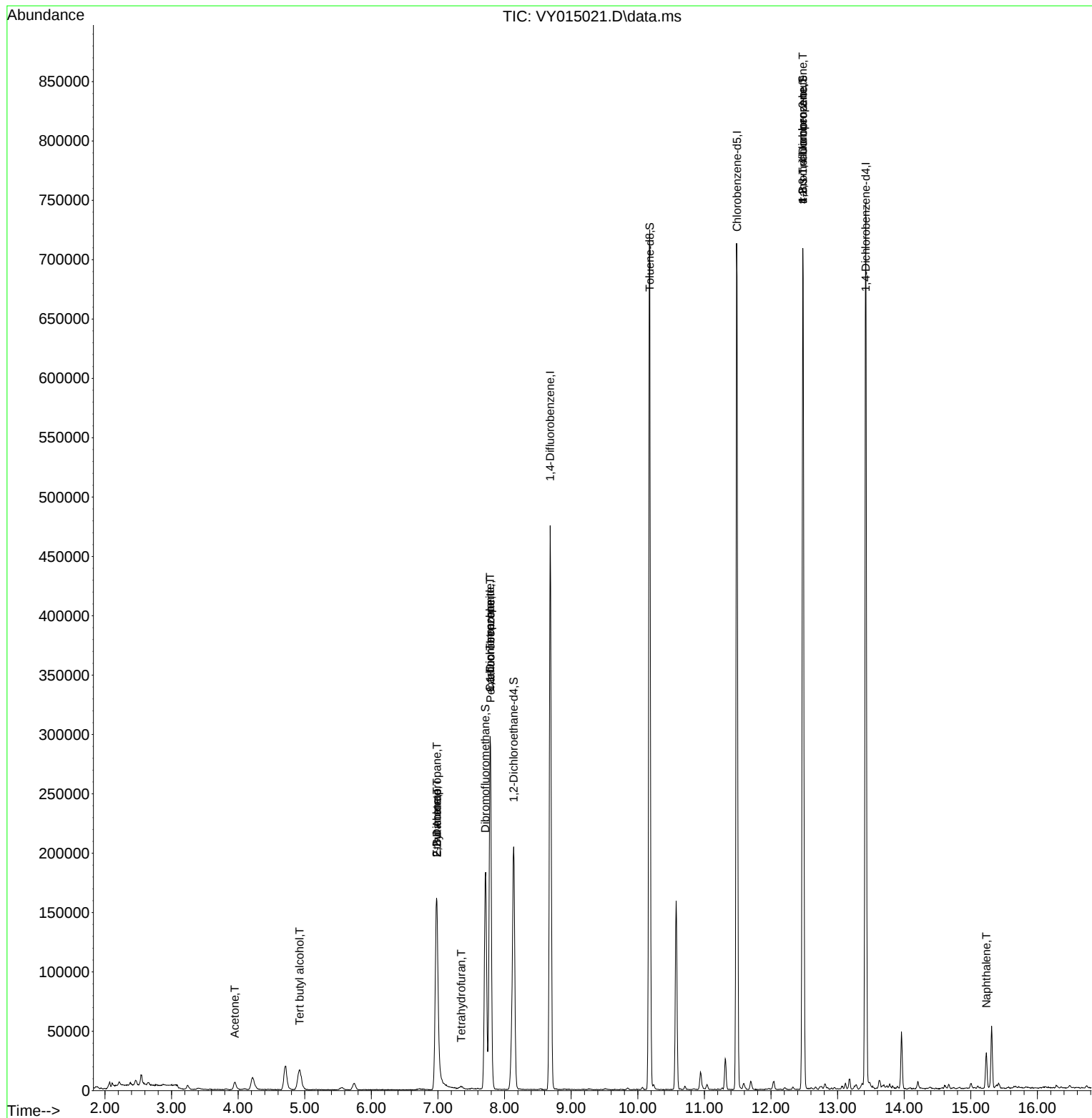
Internal Standards						
1) Pentafluorobenzene	7.789	168	238390	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	402429	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	386986	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	193805	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	146238	50.613	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.220%	
35) Dibromofluoromethane	7.710	113	129107	50.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.340%	
50) Toluene-d8	10.179	98	472302	48.218	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 96.440%	
62) 4-Bromofluorobenzene	12.477	95	180832	52.089	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 104.180%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	114	Below Cal	#	43
5) Bromomethane	2.656	94	1187	Below Cal		88
11) Tert butyl alcohol	4.924	59	18875	27.068	ug/l #	94
16) Acetone	3.948	43	11645	12.925	ug/l	97
20) Methylene Chloride	4.704	84	15278	Below Cal	#	84
25) 2-Butanone	6.984	43	15362	11.904	ug/l	97
26) 2,2-Dichloropropane	6.984	77	12525	2.986	ug/l #	54
29) Tetrahydrofuran	7.350	42	1276	1.686	ug/l	93
31) Cyclohexane	7.777	56	5146	Below Cal	#	46
36) 1,1-Dichloropropene	7.783	75	17642	5.522	ug/l #	50
37) Ethyl Acetate	6.984	43	15362	6.057	ug/l #	32
38) Carbon Tetrachloride	7.783	117	22857	6.364	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	97440	41.959	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	97440	92.438	ug/l #	11
95) Naphthalene	15.233	128	25162	2.927	ug/l	99

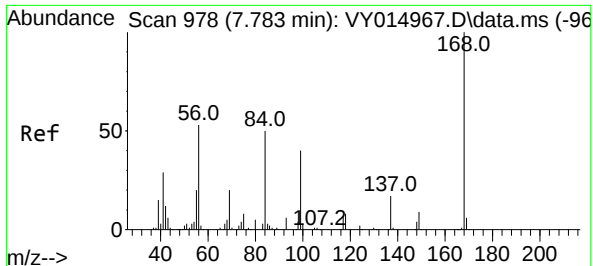
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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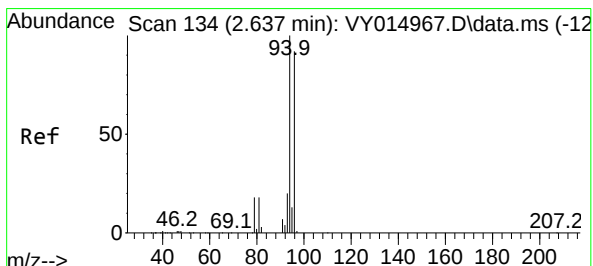
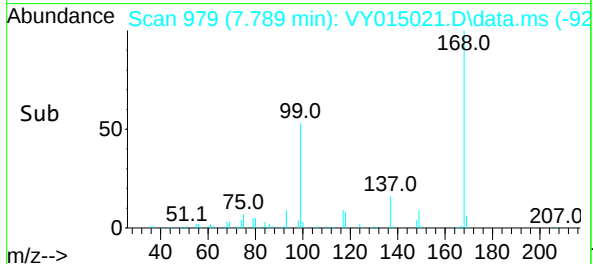
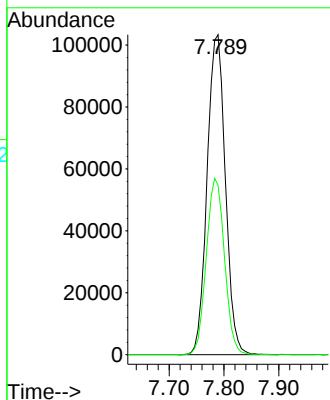
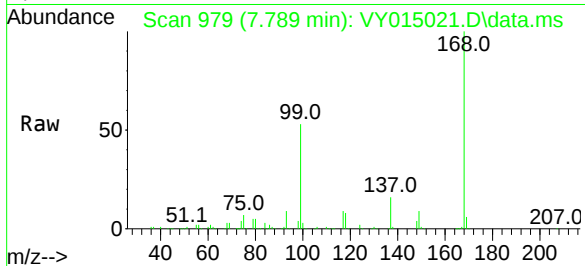




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

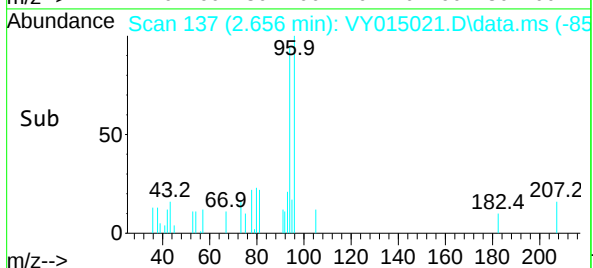
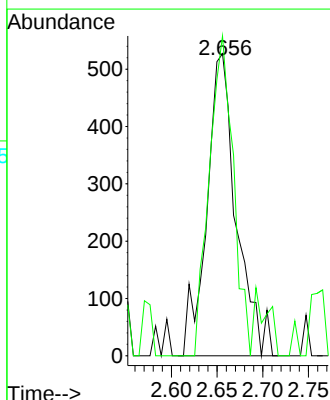
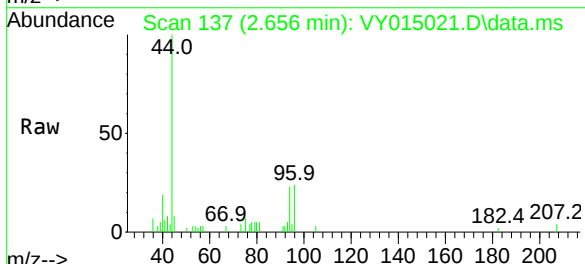
Instrument :
MSVOA_Y
ClientSampleId :

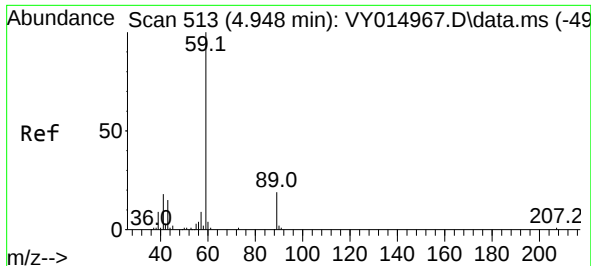
Tgt Ion:168 Resp: 238390
Ion Ratio Lower Upper
168 100
99 53.0 43.4 65.0



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. 0.019 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

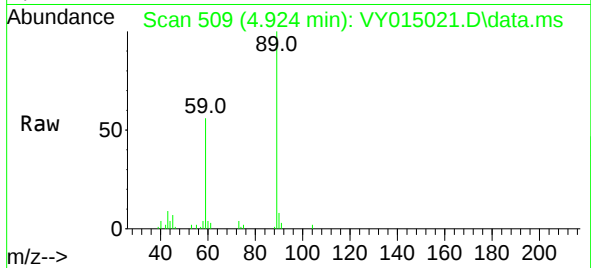
Tgt Ion: 94 Resp: 1187
Ion Ratio Lower Upper
94 100
96 105.9 75.8 113.6



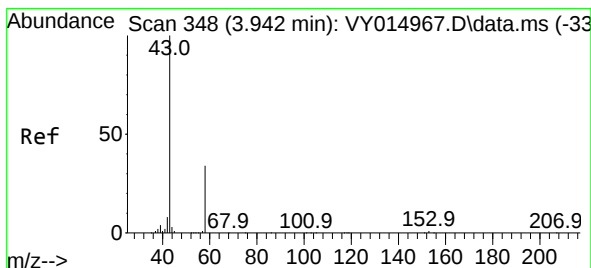
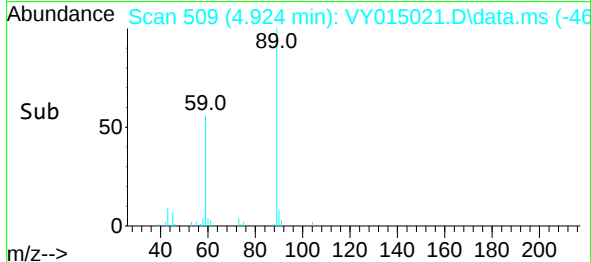
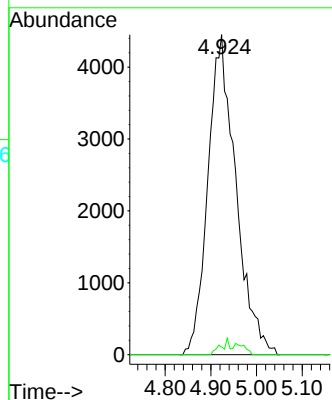


#11
Tert butyl alcohol
Concen: 27.068 ug/l
RT: 4.924 min Scan# 509
Delta R.T. -0.024 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :

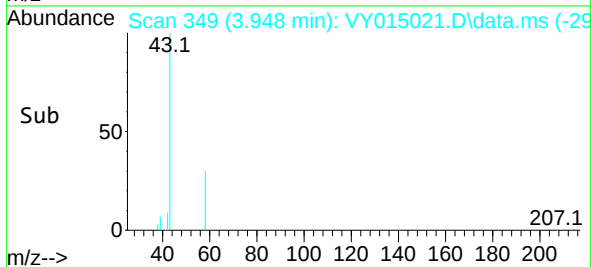
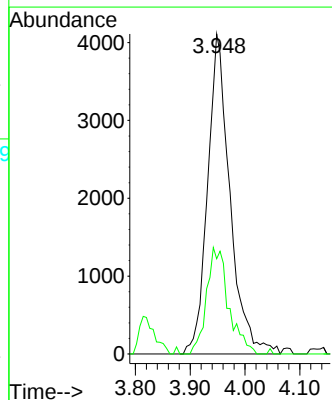
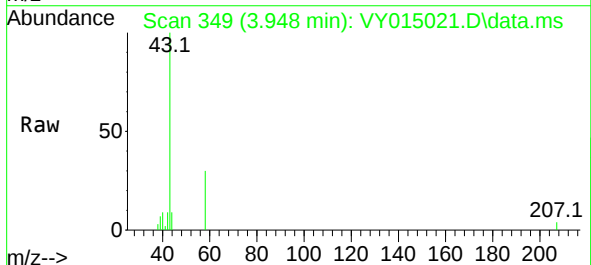


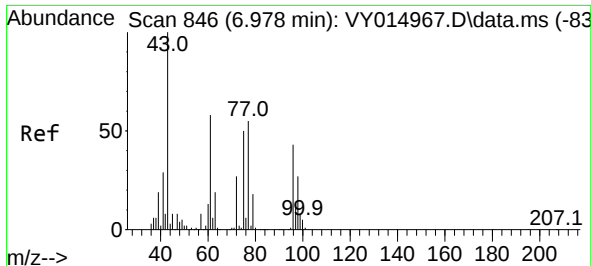
Tgt Ion: 59 Resp: 18875
Ion Ratio Lower Upper
59 100
57 1.6 3.0 4.4#



#16
Acetone
Concen: 12.925 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

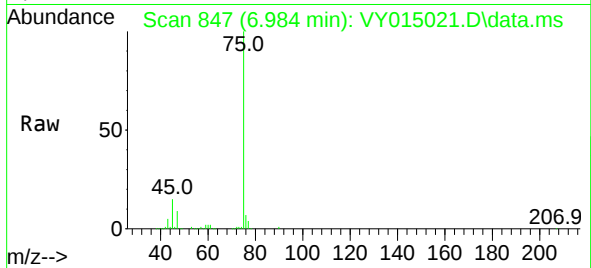
Tgt Ion: 43 Resp: 11645
Ion Ratio Lower Upper
43 100
58 29.8 22.7 34.1



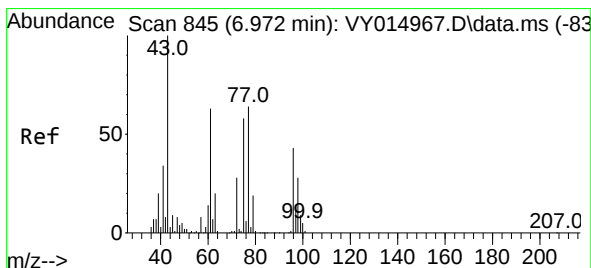
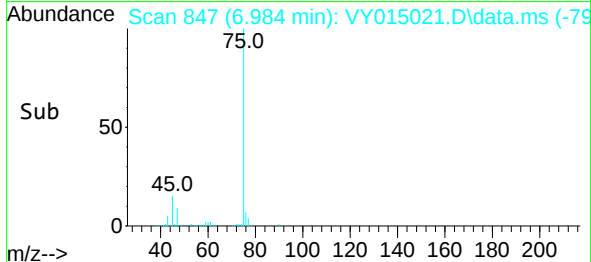
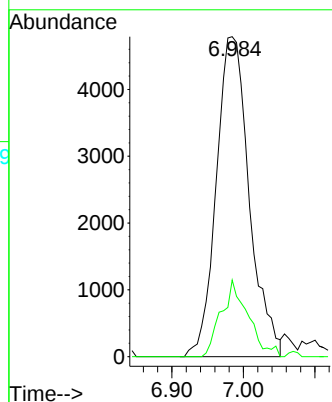


#25
2-Butanone
Concen: 11.904 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :

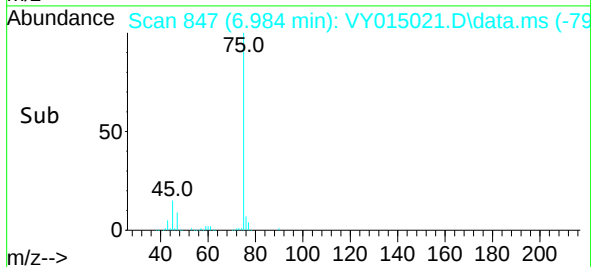
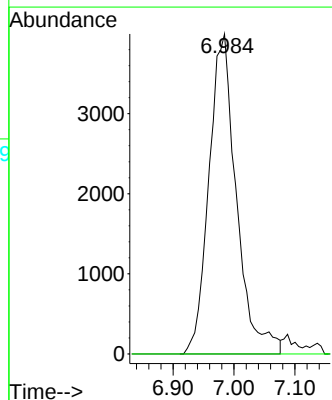
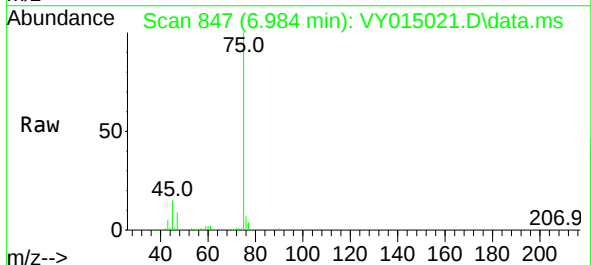


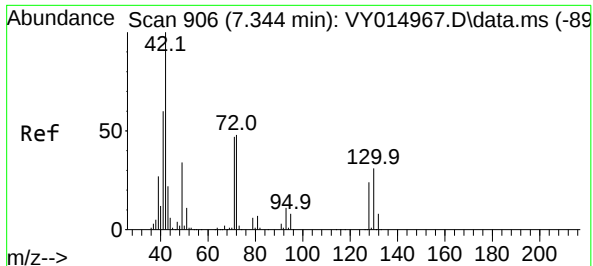
Tgt Ion: 43 Resp: 15362
Ion Ratio Lower Upper
43 100
72 23.9 20.5 30.7



#26
2,2-Dichloropropane
Concen: 2.986 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Tgt Ion: 77 Resp: 12525
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#





#29

Tetrahydrofuran

Concen: 1.686 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

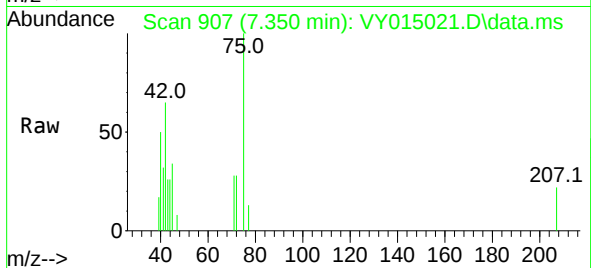
Lab File: VY015021.D

Acq: 10 Aug 2023 12:39

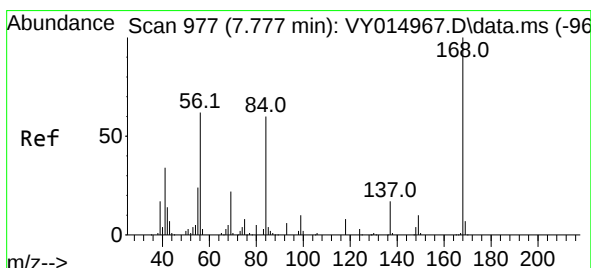
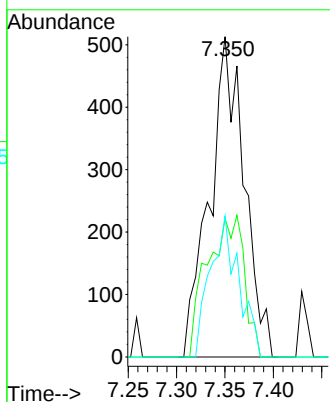
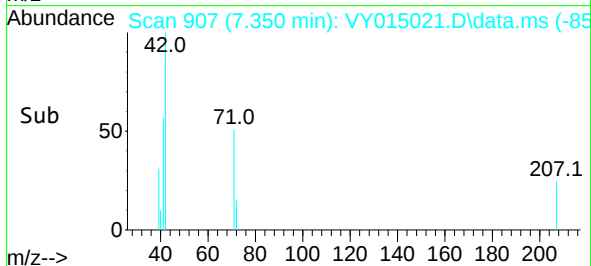
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:	42	Resp:	1276
Ion	Ratio	Lower	Upper
42	100		
72	47.1	32.8	49.2
71	36.2	31.0	46.4



#31

Cyclohexane

Concen: Below Cal

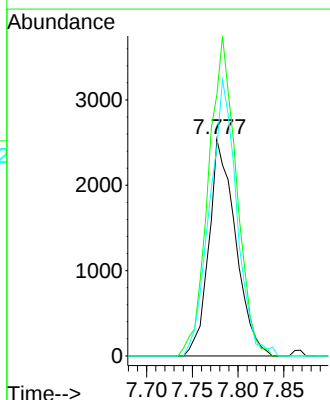
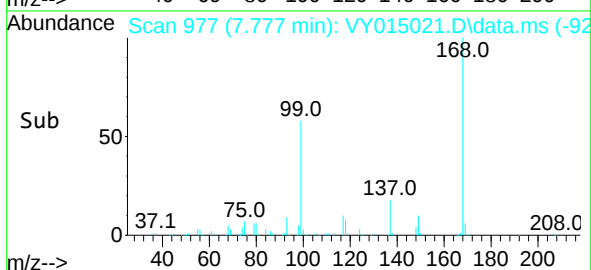
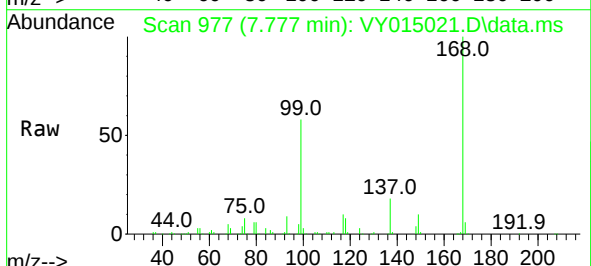
RT: 7.777 min Scan# 977

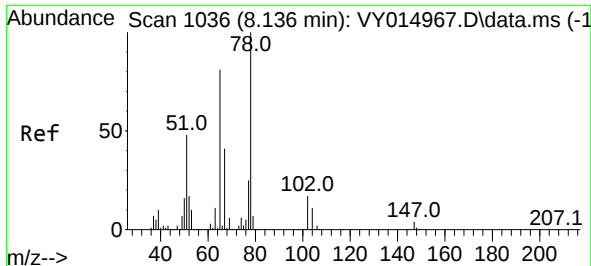
Delta R.T. -0.000 min

Lab File: VY015021.D

Acq: 10 Aug 2023 12:39

Tgt Ion:	56	Resp:	5146
Ion	Ratio	Lower	Upper
56	100		
69	120.7	27.8	41.6#
84	96.5	66.4	99.6





#33

1,2-Dichloroethane-d4

Concen: 50.613 ug/l

RT: 8.137 min Scan# 1103

Delta R.T. 0.000 min

Lab File: VY015021.D

Acq: 10 Aug 2023 12:39

Instrument :

MSVOA_Y

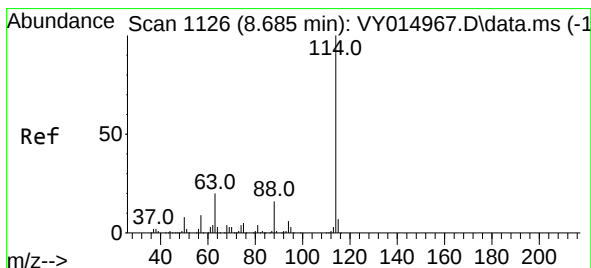
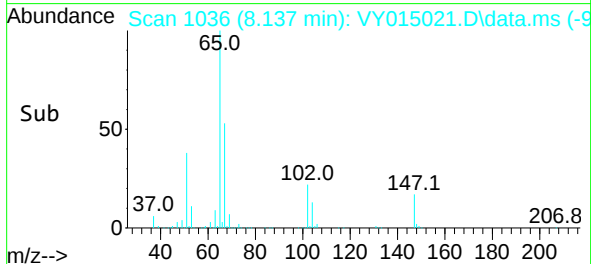
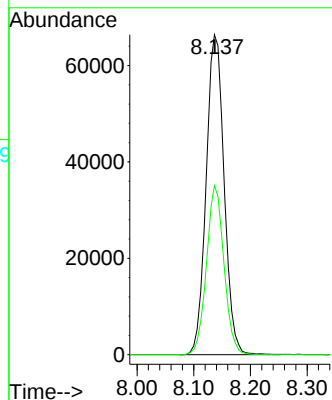
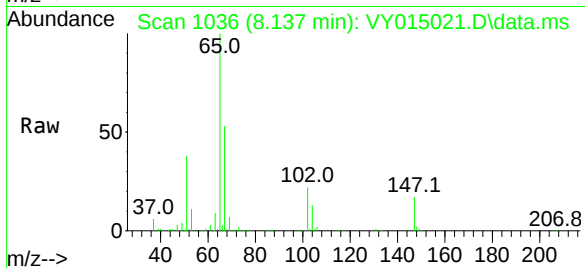
ClientSampleId :

Tgt Ion: 65 Resp: 146238

Ion Ratio Lower Upper

65 100

67 51.3 0.0 101.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY015021.D

Acq: 10 Aug 2023 12:39

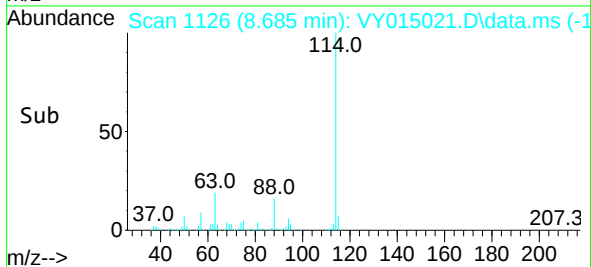
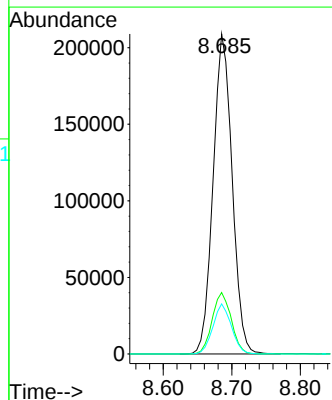
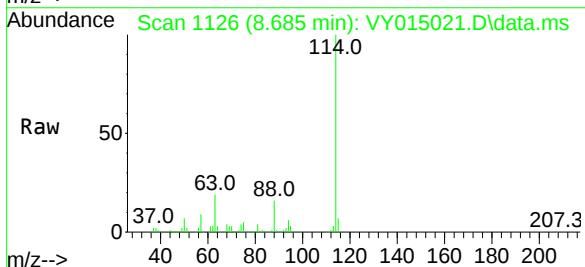
Tgt Ion: 114 Resp: 402429

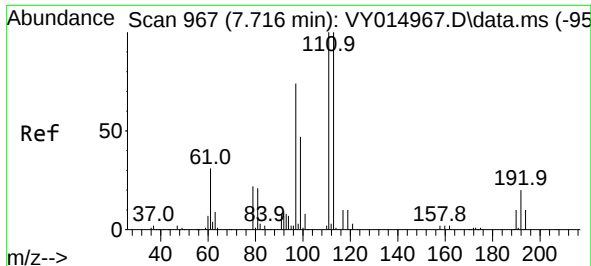
Ion Ratio Lower Upper

114 100

63 19.2 0.0 42.4

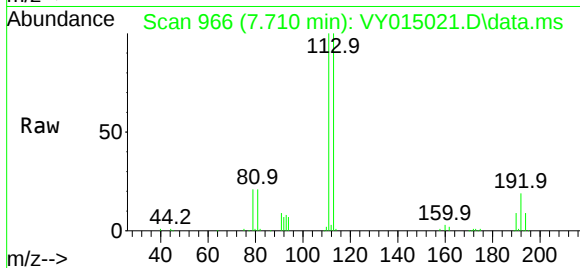
88 15.7 0.0 30.6



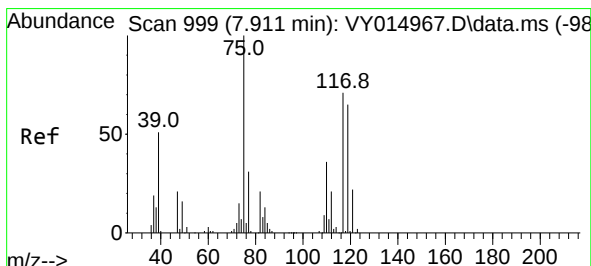
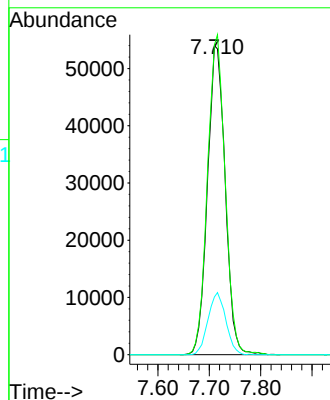
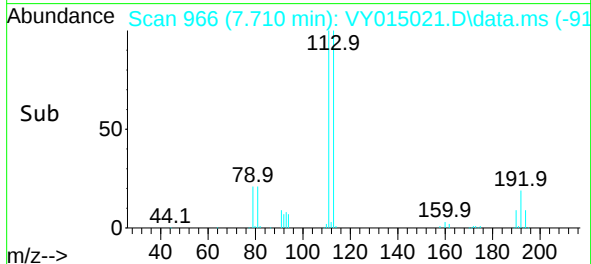


#35
Dibromofluoromethane
Concen: 50.169 ug/l
RT: 7.710 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :

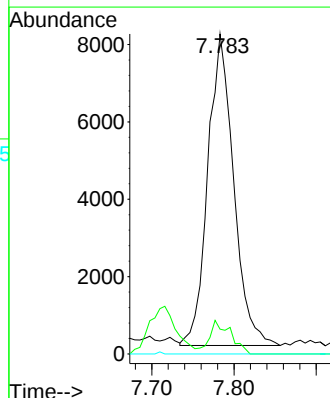
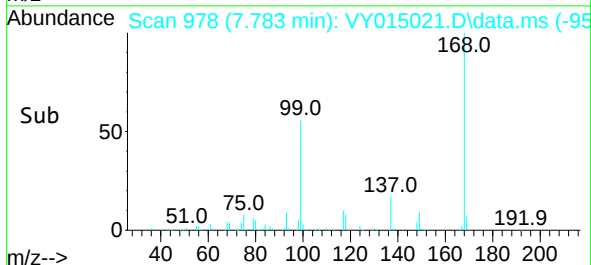
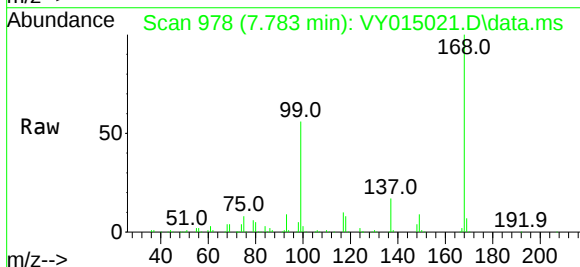


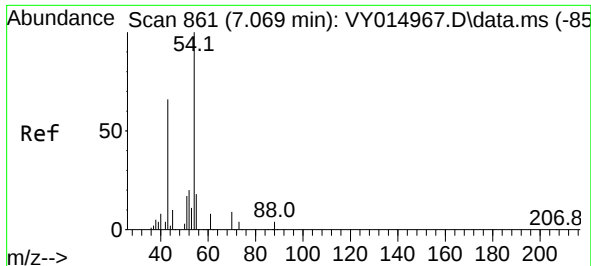
Tgt Ion:113 Resp: 129107
Ion Ratio Lower Upper
113 100
111 103.4 81.3 121.9
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 5.522 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

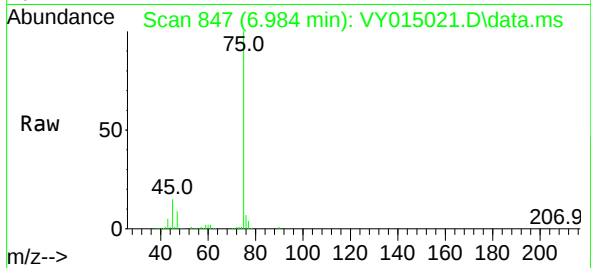
Tgt Ion: 75 Resp: 17642
Ion Ratio Lower Upper
75 100
110 8.9 17.8 53.5#
77 0.0 24.4 36.6#



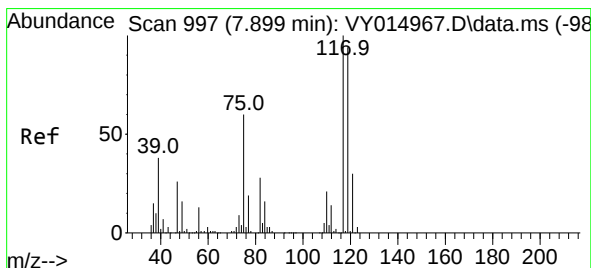
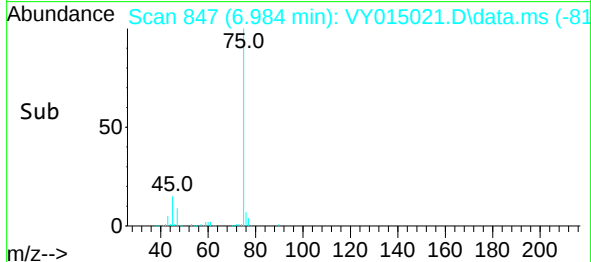
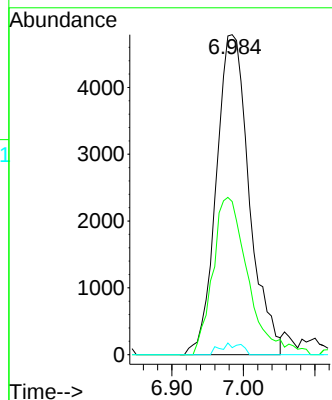


#37
Ethyl Acetate
Concen: 6.057 ug/l
RT: 6.984 min Scan# 84
Delta R.T. -0.085 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :

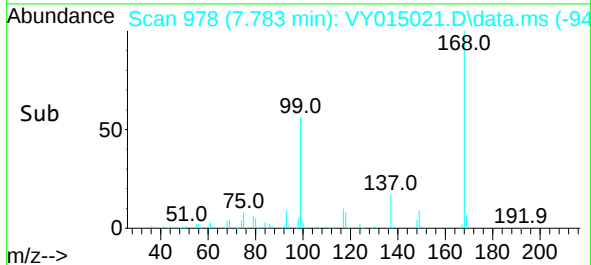
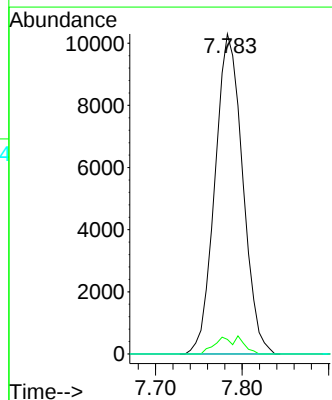
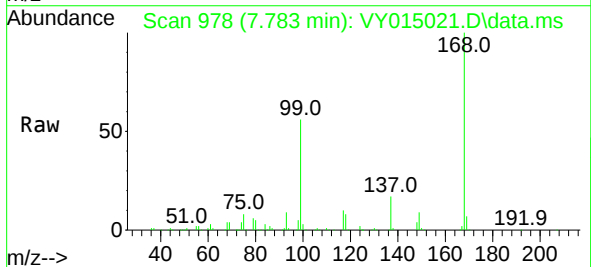


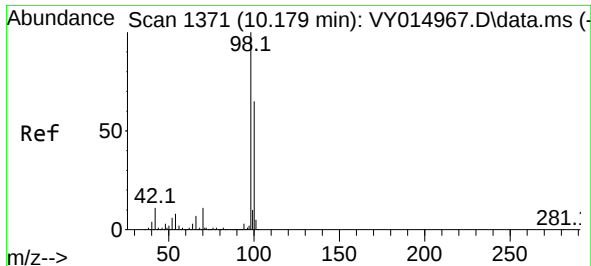
Tgt Ion: 43 Resp: 15362
Ion Ratio Lower Upper
43 100
61 52.4 10.1 15.1#
70 1.4 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.364 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Tgt Ion: 117 Resp: 22857
Ion Ratio Lower Upper
117 100
119 4.6 76.4 114.6#
121 0.0 25.8 38.6#

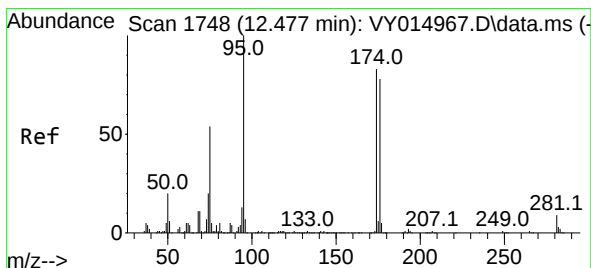
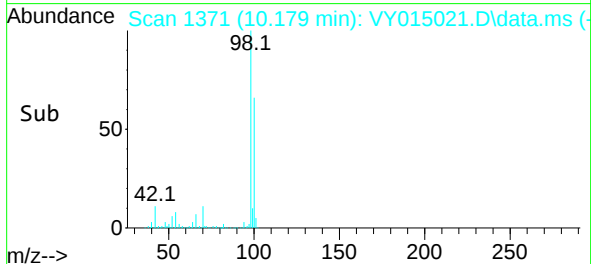
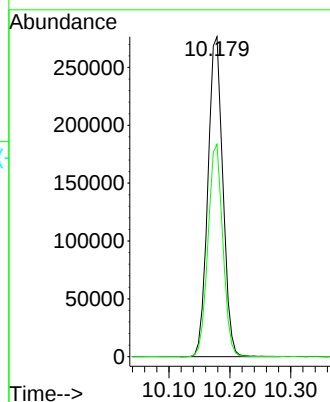
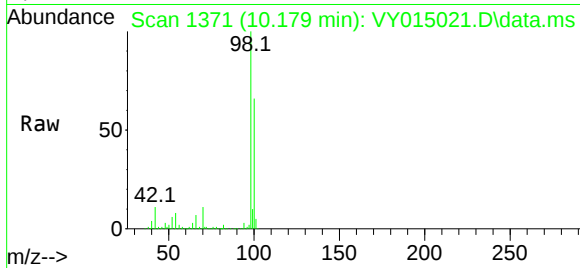




#50
Toluene-d8
Concen: 48.218 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

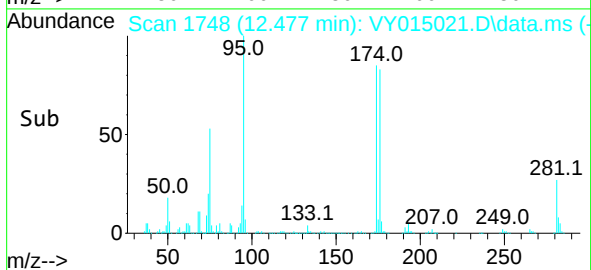
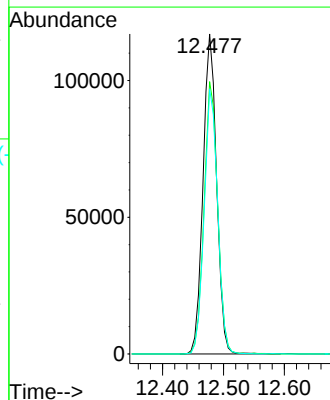
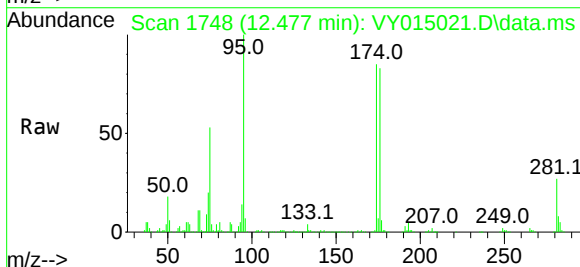
Instrument :
MSVOA_Y
ClientSampleId :

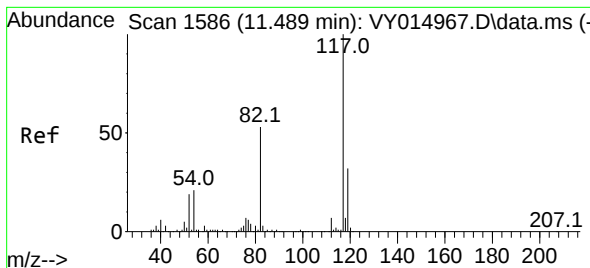
Tgt Ion: 98 Resp: 472302
Ion Ratio Lower Upper
98 100
100 65.6 50.1 75.1



#62
4-Bromofluorobenzene
Concen: 52.089 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Tgt Ion: 95 Resp: 180832
Ion Ratio Lower Upper
95 100
174 85.1 0.0 178.2
176 82.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015021.D

Acq: 10 Aug 2023 12:39

Instrument :

MSVOA_Y

ClientSampleId :

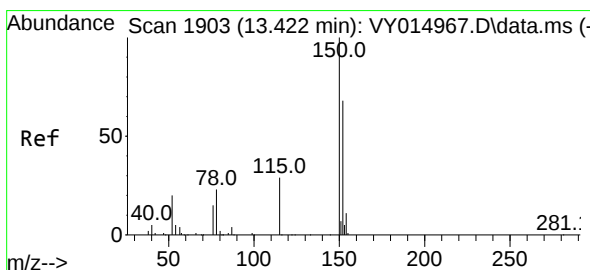
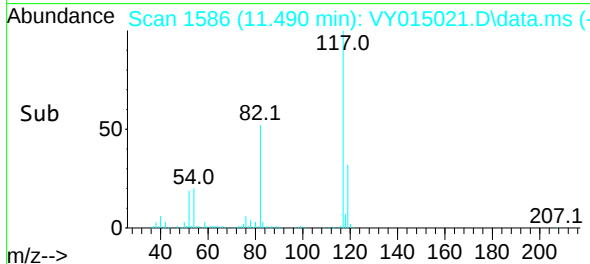
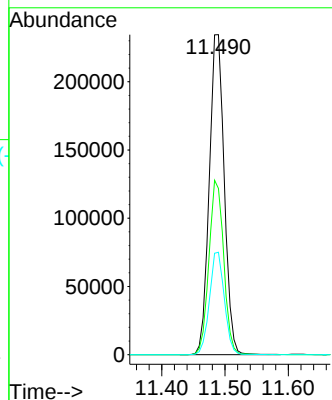
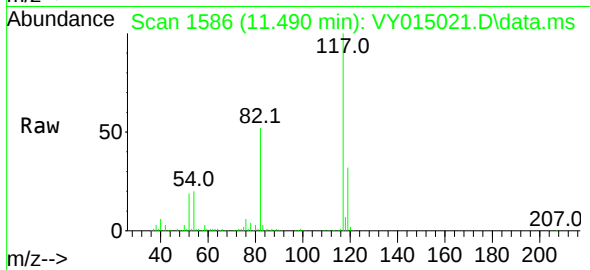
Tgt Ion:117 Resp: 386986

Ion Ratio Lower Upper

117 100

82 51.9 43.4 65.0

119 32.0 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015021.D

Acq: 10 Aug 2023 12:39

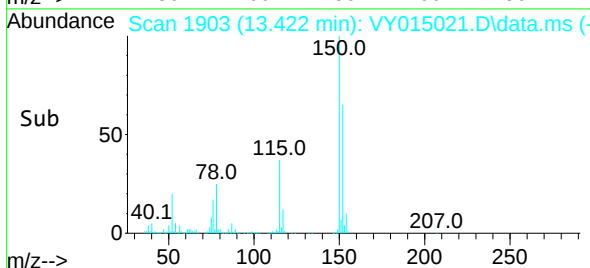
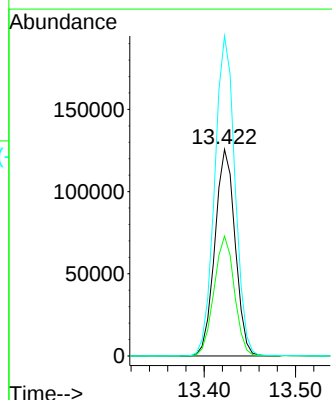
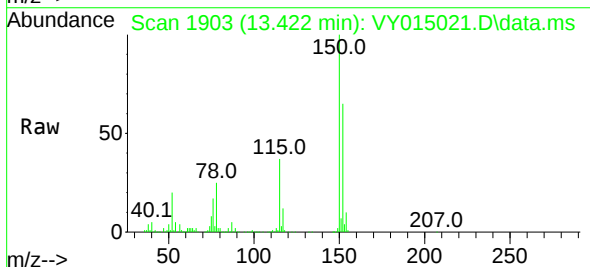
Tgt Ion:152 Resp: 193805

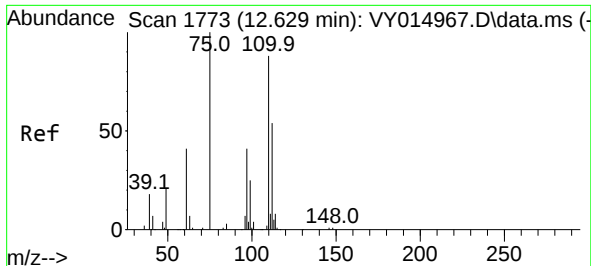
Ion Ratio Lower Upper

152 100

115 58.1 28.8 86.5

150 155.5 0.0 348.8

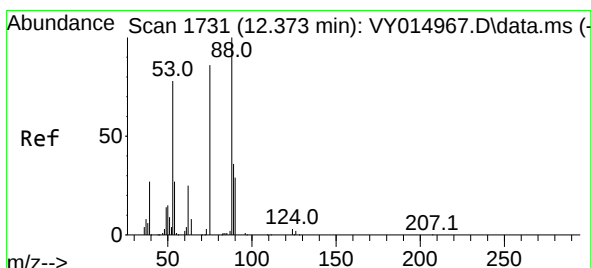
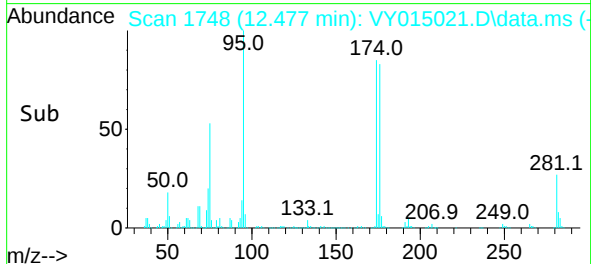
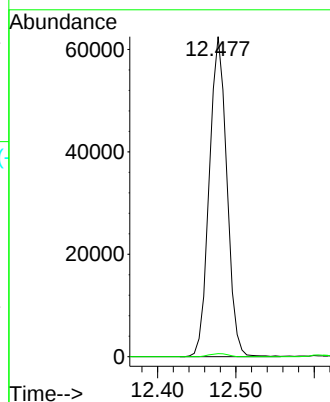
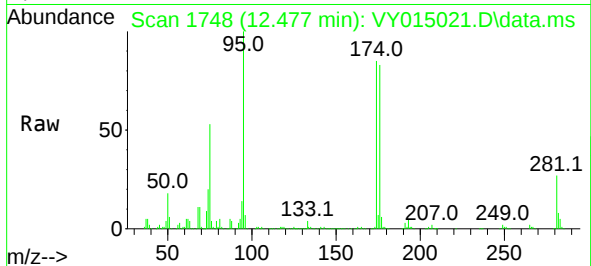




#76
1,2,3-Trichloropropane
Concen: 41.959 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

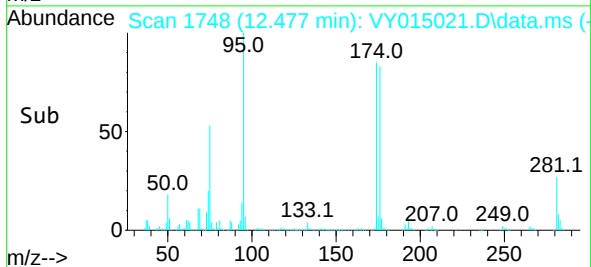
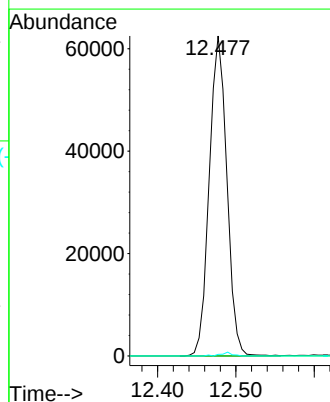
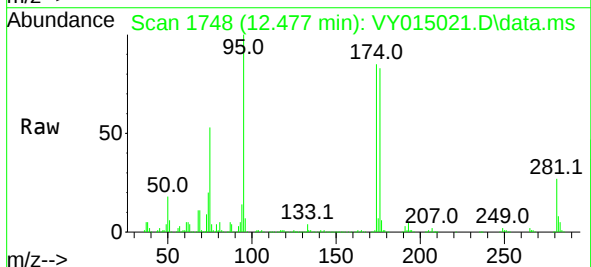
Instrument :
MSVOA_Y
ClientSampleId :

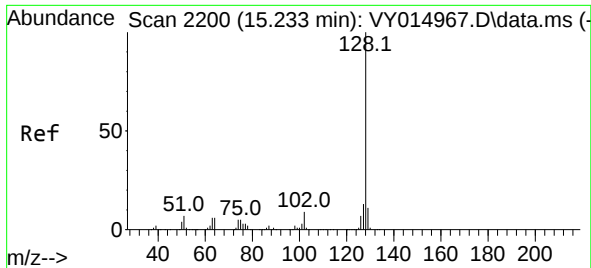
Tgt Ion: 75 Resp: 97440
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.438 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

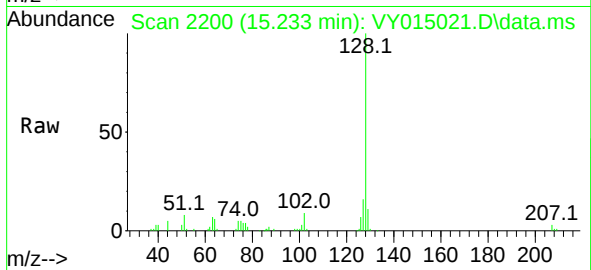
Tgt Ion: 75 Resp: 97440
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.8 37.4 56.0#





#95
Naphthalene
Concen: 2.927 ug/l
RT: 15.233 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY015021.D
Acq: 10 Aug 2023 12:39

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.8	16.2
129	11.4	8.6	13.0

