

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008852.D
 Acq On : 19 May 2022 06:53
 Operator : KP/MD
 Sample : N2841-20
 Misc : 4.69g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-2430-01

Quant Time: May 19 08:10:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
 Quant Title : SW846 8260
 QLast Update : Wed May 18 07:32:50 2022
 Response via : Initial Calibration

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

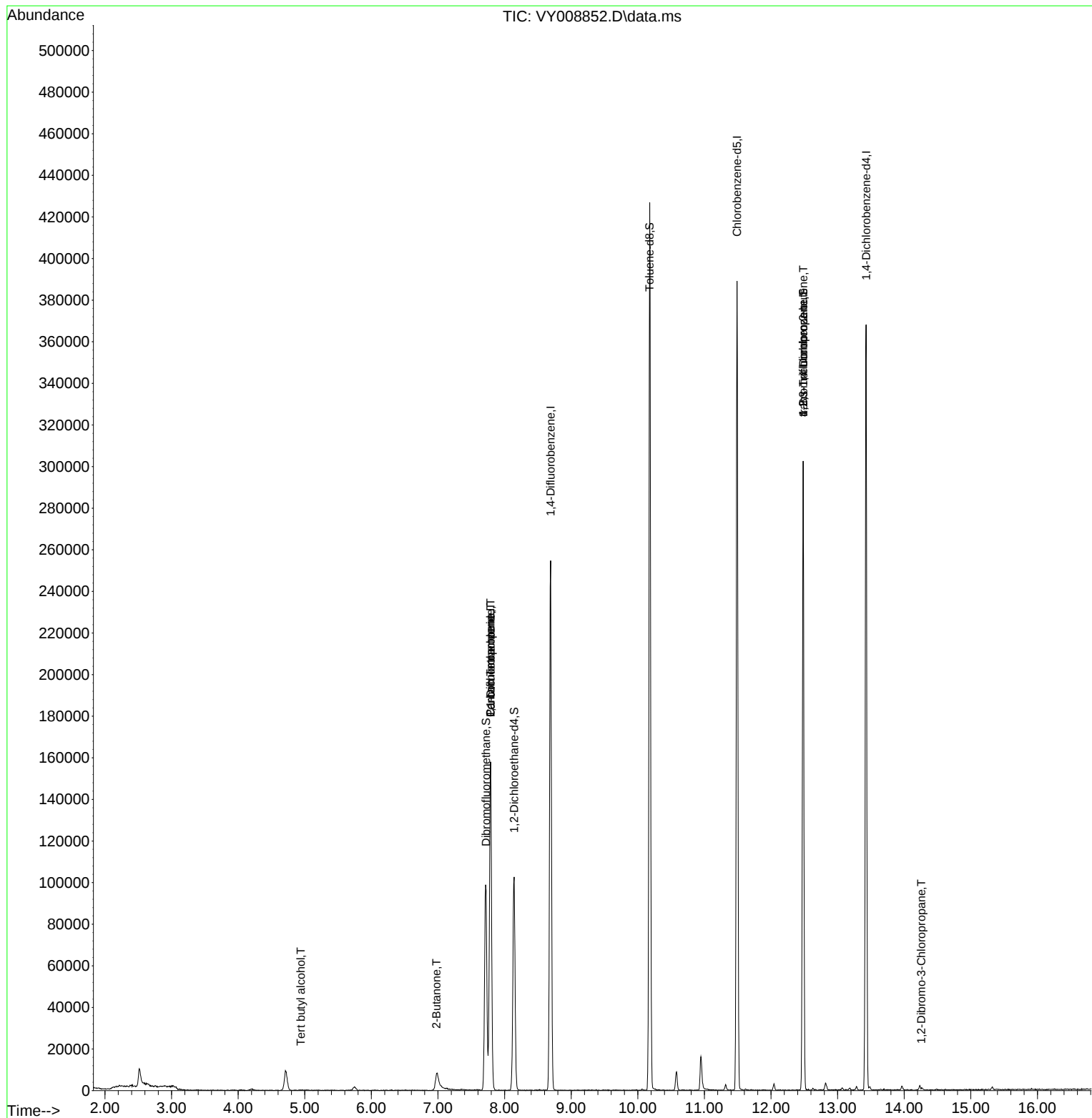
Internal Standards						
1) Pentafluorobenzene	7.789	168	119306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	213379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	204859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88269	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	78328	70.769	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.540%	
35) Dibromofluoromethane	7.722	113	67962	54.512	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 109.020%	
50) Toluene-d8	10.179	98	267921	48.451	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 96.900%	
62) 4-Bromofluorobenzene	12.483	95	78249	40.294	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	378	Below Cal		98
3) Chloromethane	2.113	50	206	Below Cal	#	87
4) Vinyl Chloride	2.217	62	23	Below Cal	#	43
5) Bromomethane	2.662	94	197	Below Cal	#	48
6) Chloroethane	2.509	64	130	Below Cal	#	46
7) Trichlorofluoromethane	3.119	101	126	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	257	2.101 ug/l	#	77
16) Acetone	3.948	43	403	Below Cal	#	47
18) Methyl Acetate	4.204	43	210	Below Cal	#	56
20) Methylene Chloride	4.710	84	7111	Below Cal	#	79
25) 2-Butanone	6.978	43	643	1.384 ug/l	#	54
31) Cyclohexane	7.789	56	2990	Below Cal	#	2
36) 1,1-Dichloropropene	7.789	75	10536	5.276 ug/l	#	45
38) Carbon Tetrachloride	7.789	117	11701	5.468 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	45241	44.370 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45241	97.050 ug/l	#	7
92) 1,2-Dibromo-3-Chloropr...	14.257	75	281	1.221 ug/l	#	6

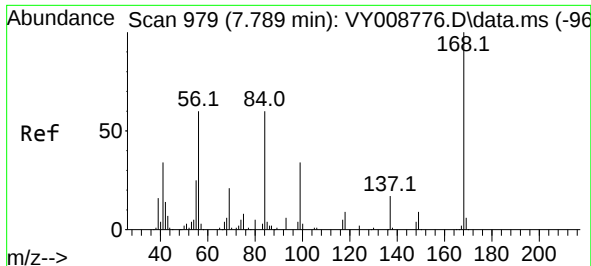
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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ClientSampleId :
P009-SS003-2430-01

Quant Time: May 19 08:10:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051722S.M
Quant Title : SW846 8260
QLast Update : Wed May 18 07:32:50 2022
Response via : Initial Calibration

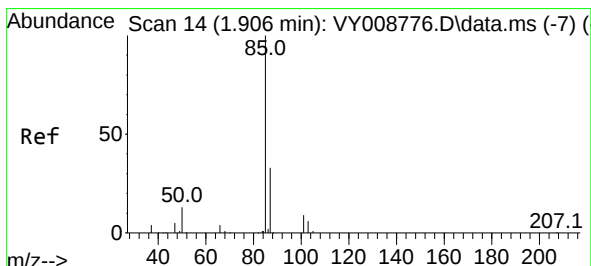
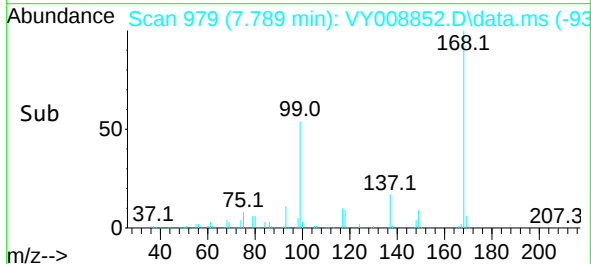
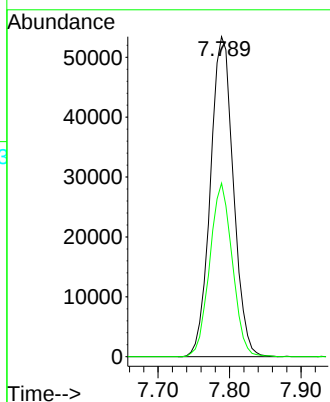
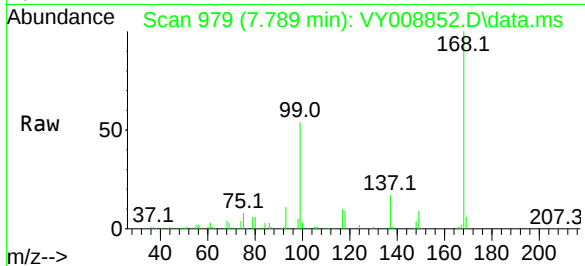




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

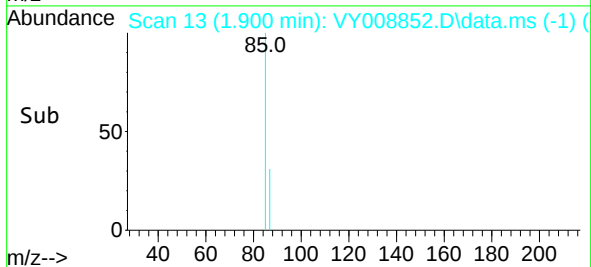
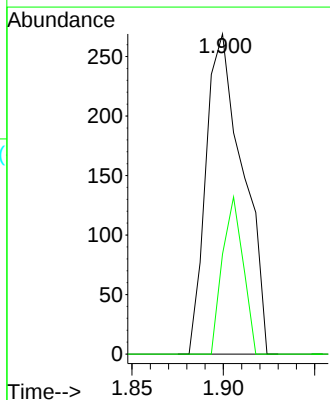
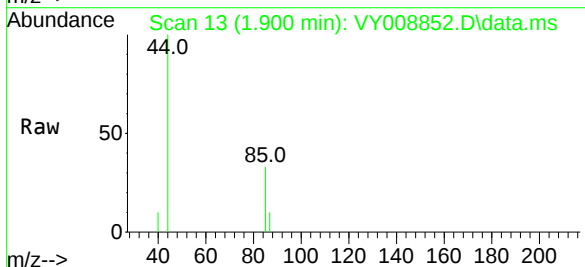
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

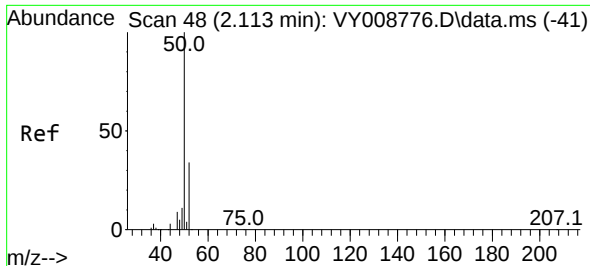
Tgt Ion:168 Resp: 119306
Ion Ratio Lower Upper
168 100
99 54.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 85 Resp: 378
Ion Ratio Lower Upper
85 100
87 31.2 16.1 48.2

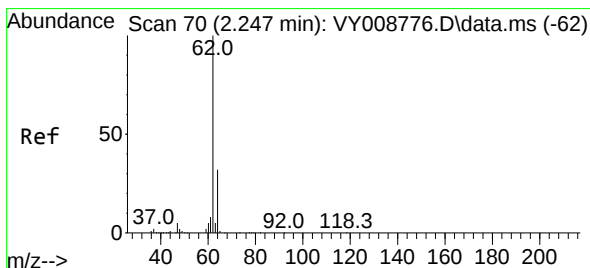
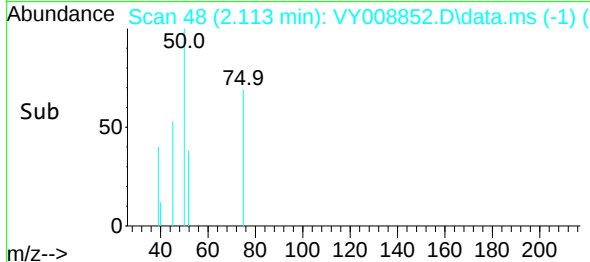
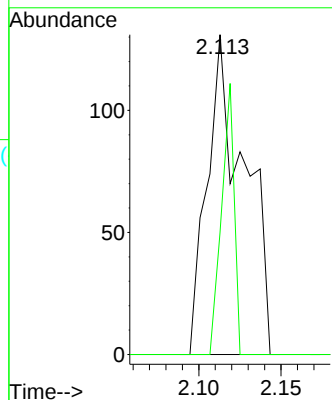
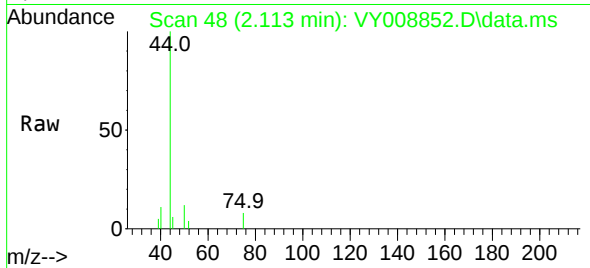




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

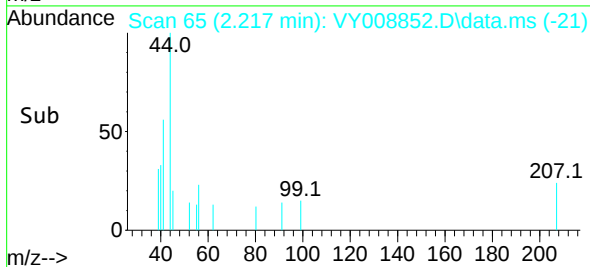
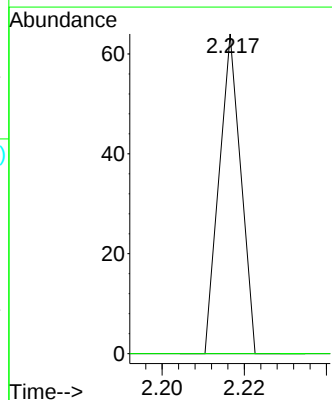
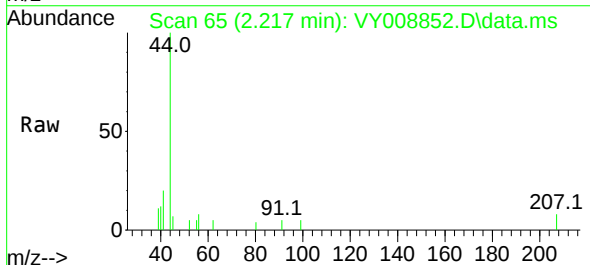
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

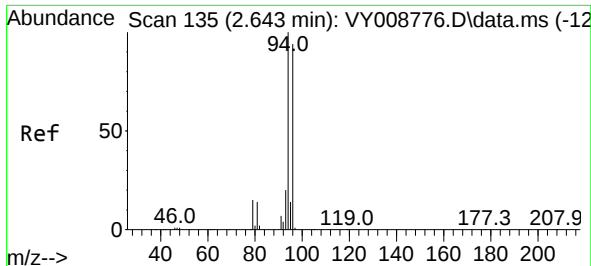
Tgt Ion: 50 Resp: 206
Ion Ratio Lower Upper
50 100
52 38.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.217 min Scan# 65
Delta R.T. -0.030 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 62 Resp: 23
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

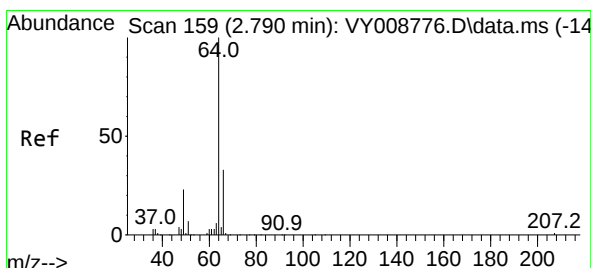
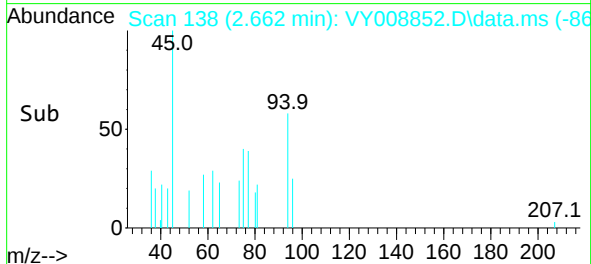
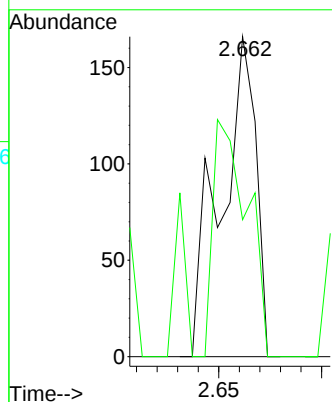
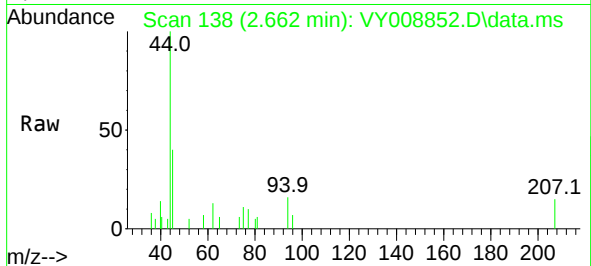




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

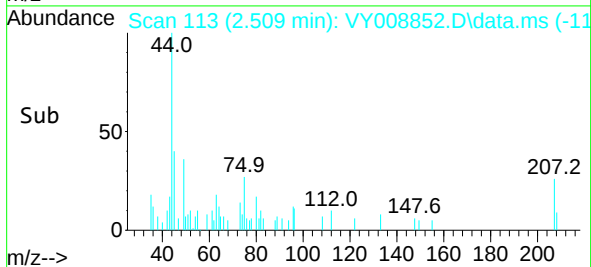
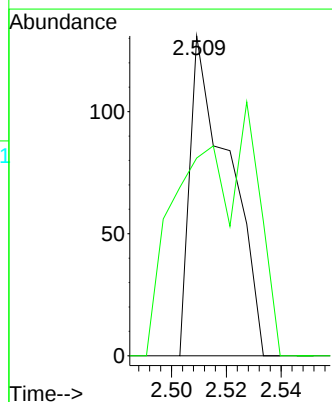
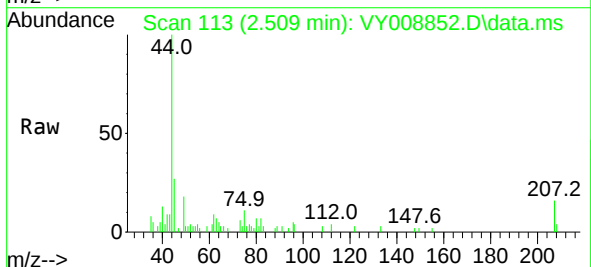
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

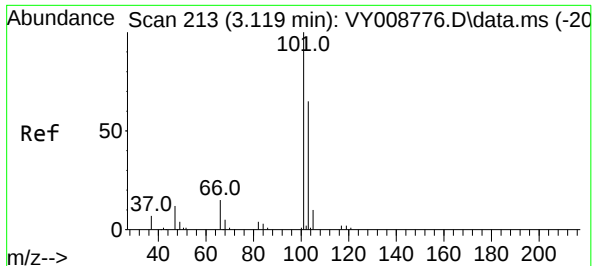
Tgt Ion: 94 Resp: 197
Ion Ratio Lower Upper
94 100
96 42.8 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.509 min Scan# 113
Delta R.T. -0.281 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

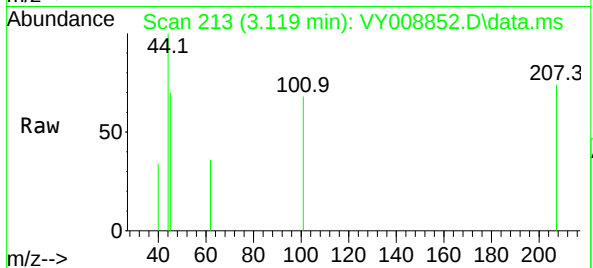
Tgt Ion: 64 Resp: 130
Ion Ratio Lower Upper
64 100
66 61.8 25.4 38.0#



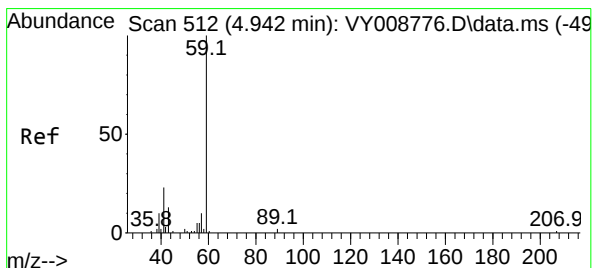
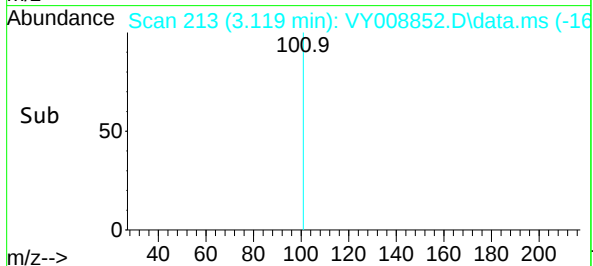
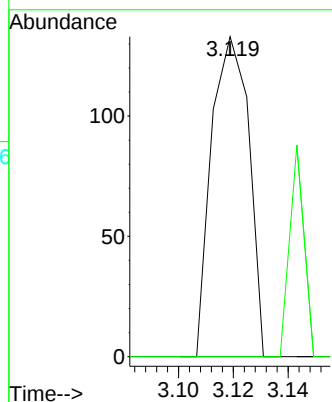


#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 213
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

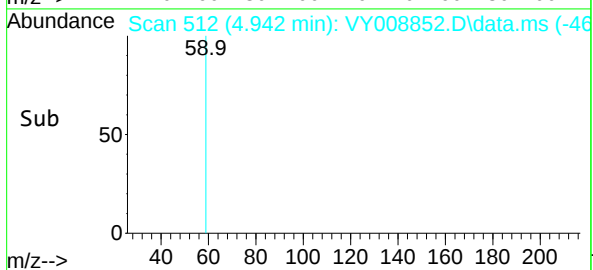
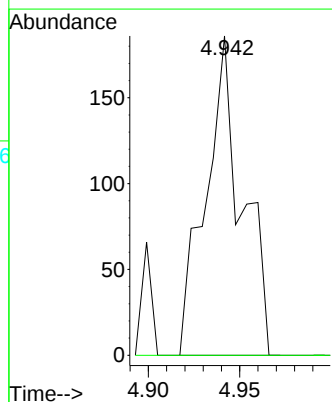
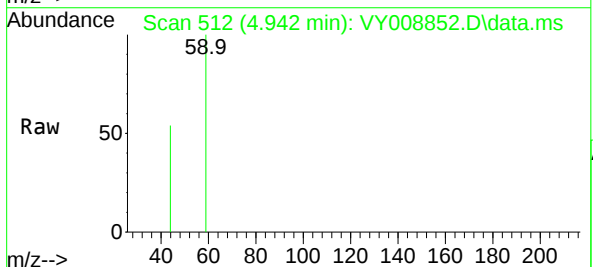


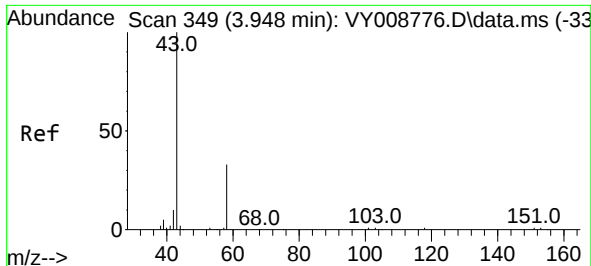
Tgt Ion:101 Resp: 126
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.101 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

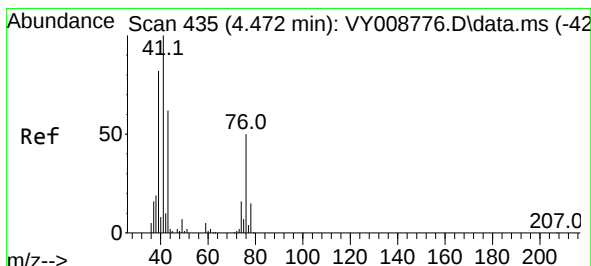
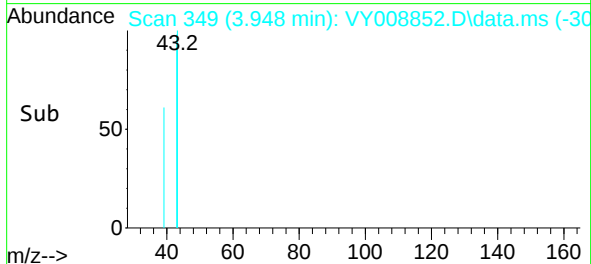
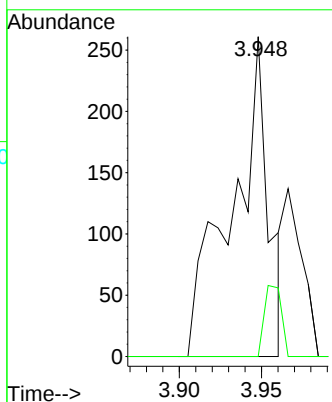
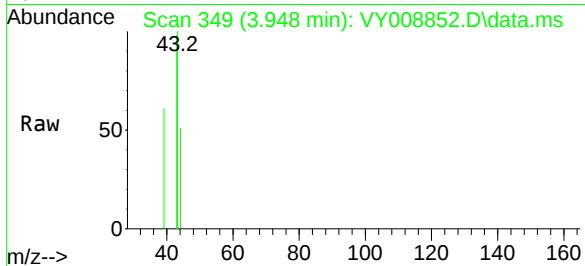




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

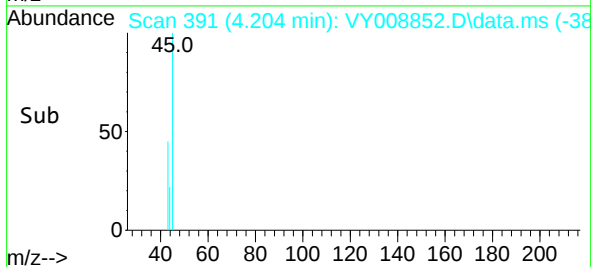
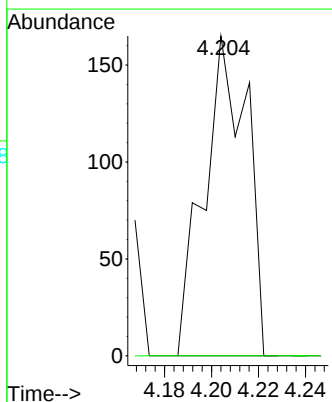
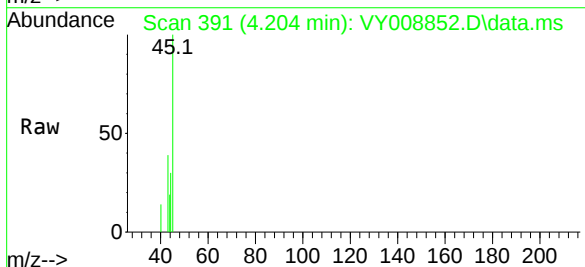
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

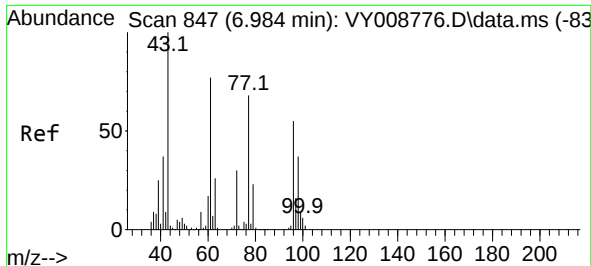
Tgt Ion: 43 Resp: 403
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.204 min Scan# 391
Delta R.T. -0.268 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 43 Resp: 210
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





#25

2-Butanone

Concen: 1.384 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY008852.D

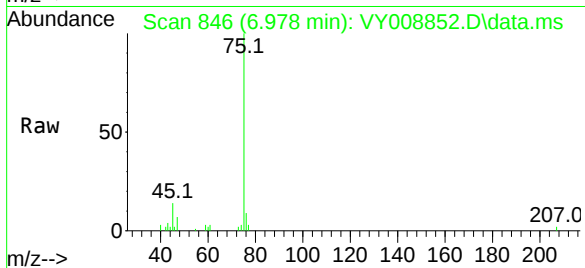
Acq: 19 May 2022 06:53

Instrument :

MSVOA_Y

ClientSampleId :

P009-SS003-2430-01

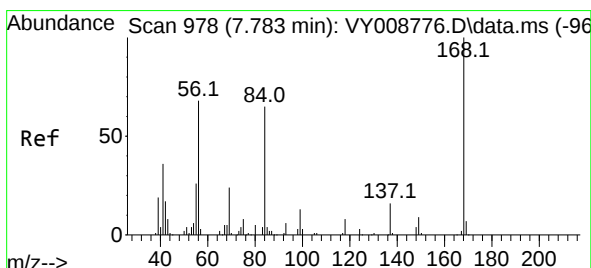
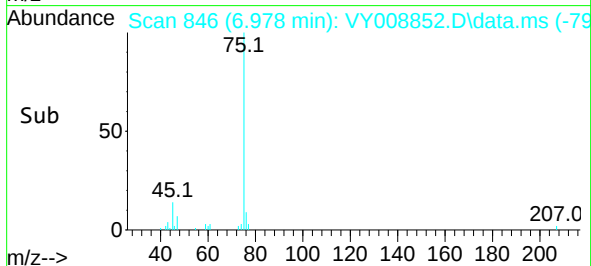
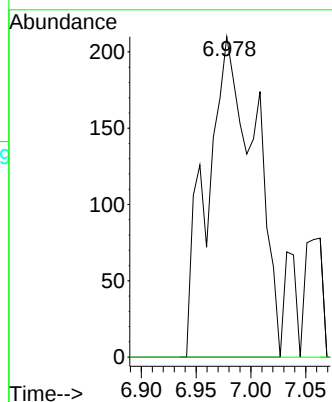


Tgt Ion: 43 Resp: 643

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008852.D

Acq: 19 May 2022 06:53

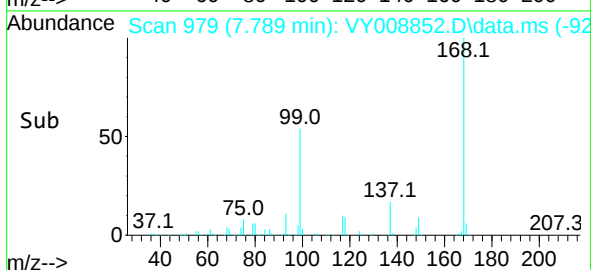
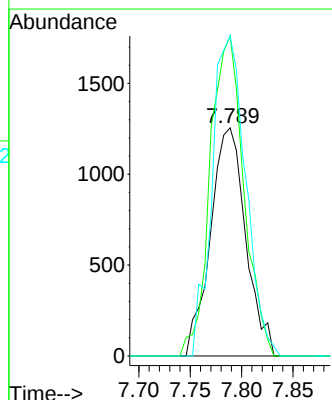
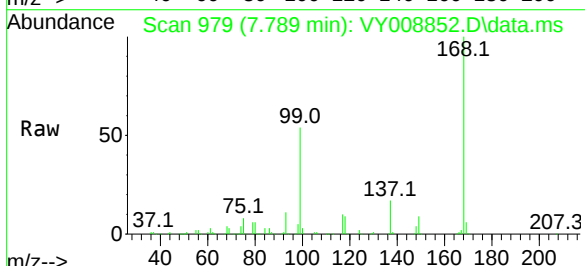
Tgt Ion: 56 Resp: 2990

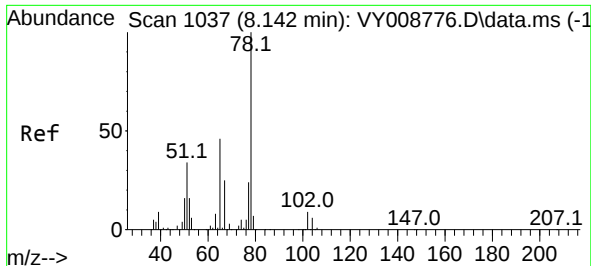
Ion Ratio Lower Upper

56 100

69 140.1 26.7 40.1#

84 140.2 67.2 100.8#

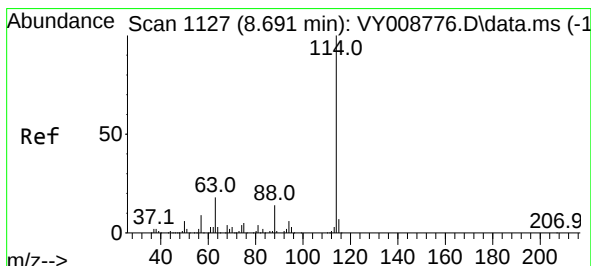
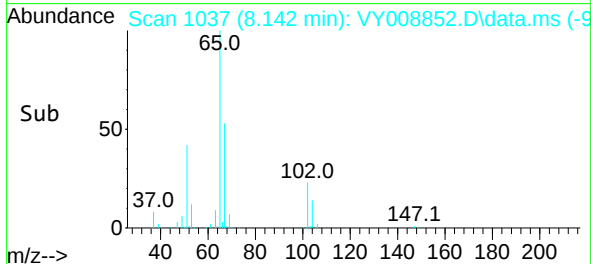
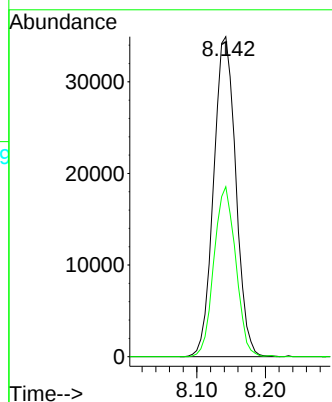
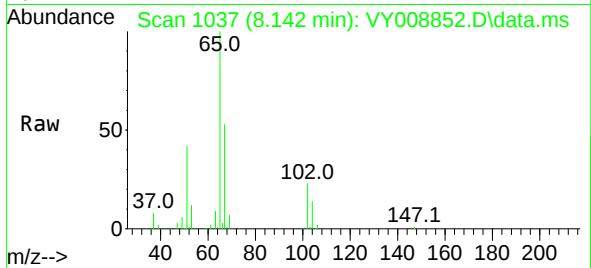




#33
 1,2-Dichloroethane-d4
 Concen: 70.769 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY008852.D
 Acq: 19 May 2022 06:53

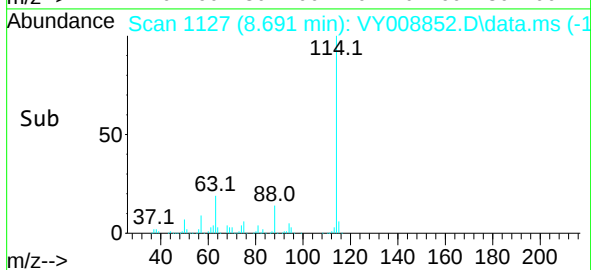
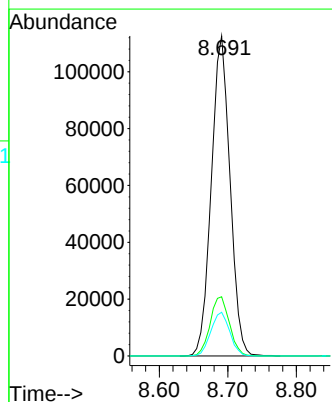
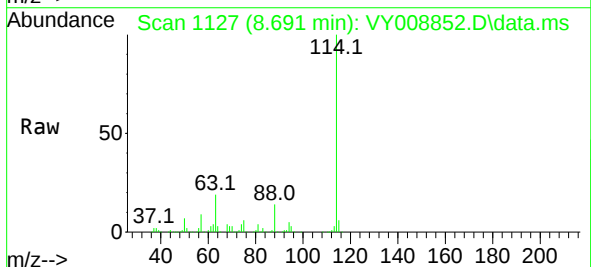
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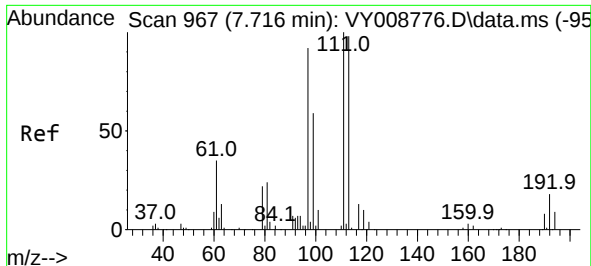
Tgt Ion: 65 Resp: 78328
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY008852.D
 Acq: 19 May 2022 06:53

Tgt Ion: 114 Resp: 213379
 Ion Ratio Lower Upper
 114 100
 63 18.5 0.0 43.2
 88 13.7 0.0 31.8

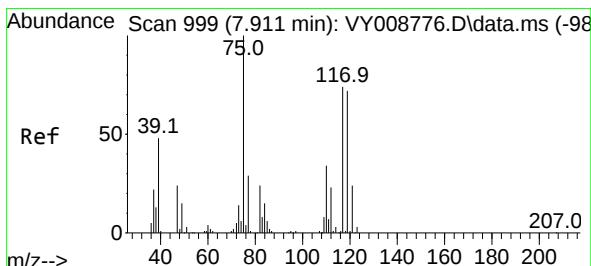
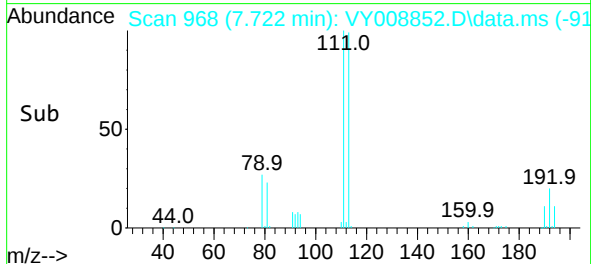
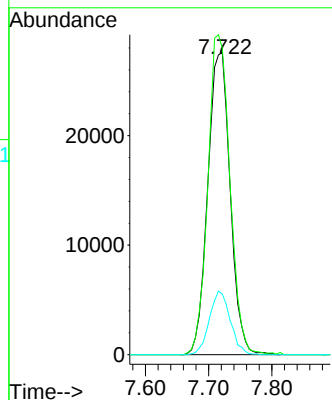
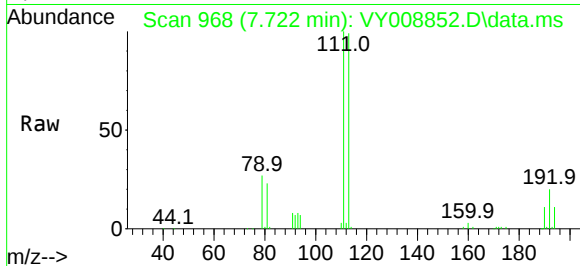




#35
Dibromofluoromethane
Concen: 54.512 ug/l
RT: 7.722 min Scan# 911
Delta R.T. 0.006 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

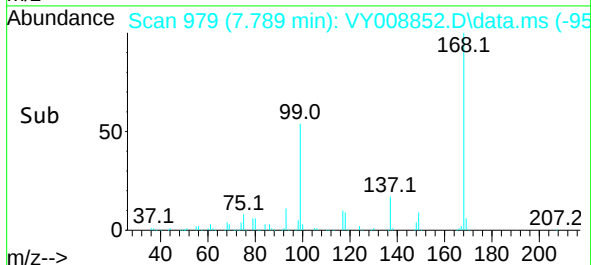
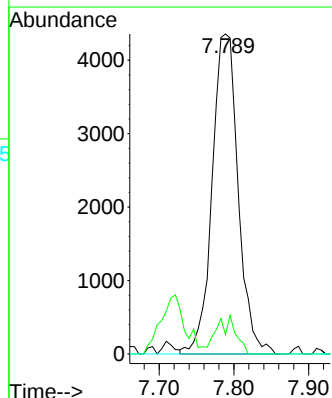
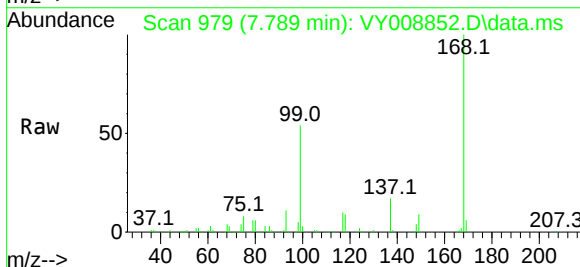
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

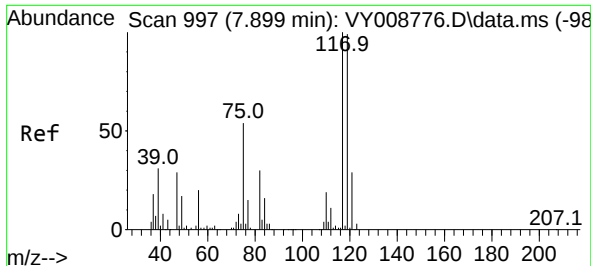
Tgt Ion:113 Resp: 67962
Ion Ratio Lower Upper
113 100
111 104.6 82.6 124.0
192 19.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.276 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

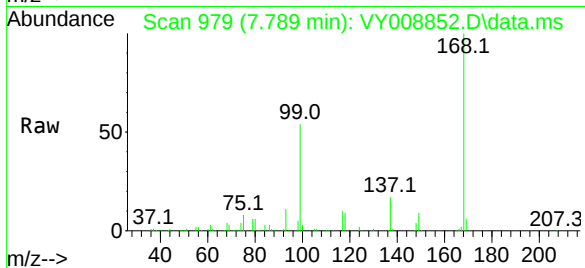
Tgt Ion: 75 Resp: 10536
Ion Ratio Lower Upper
75 100
110 3.3 17.1 51.2#
77 0.0 24.4 36.6#



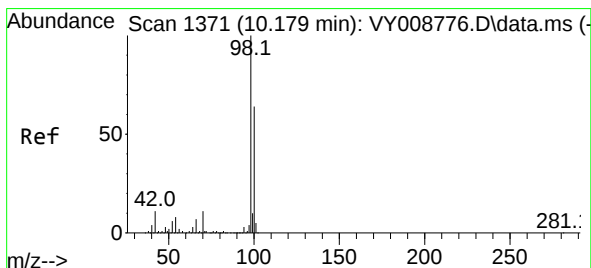
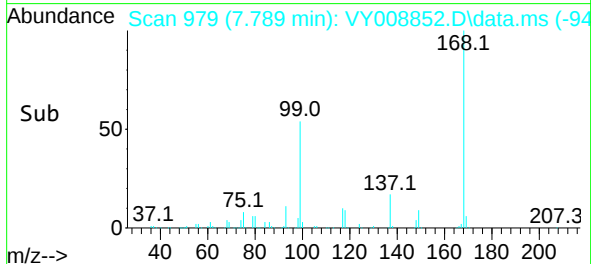
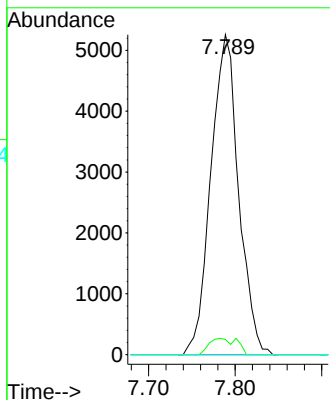


#38
Carbon Tetrachloride
Concen: 5.468 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

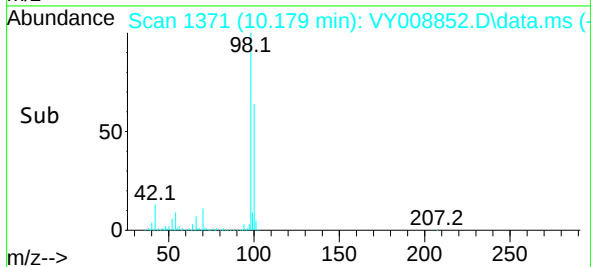
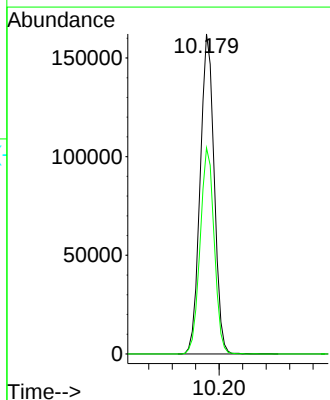
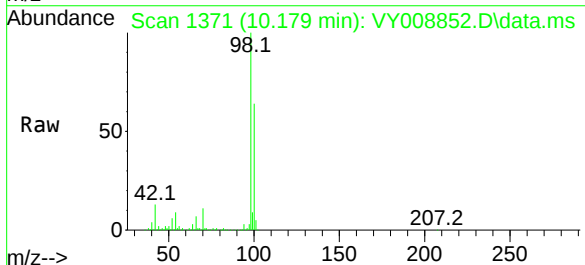


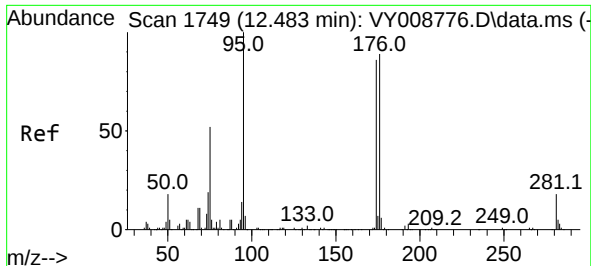
Tgt Ion:117 Resp: 11701
Ion Ratio Lower Upper
117 100
119 4.8 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.451 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.001 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 98 Resp: 267921
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2

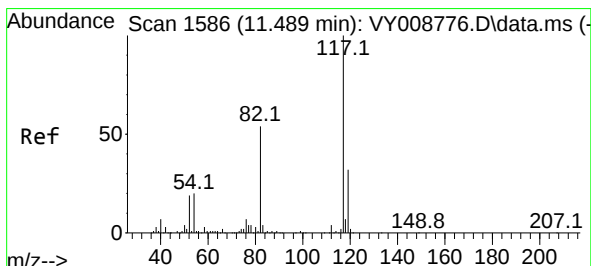
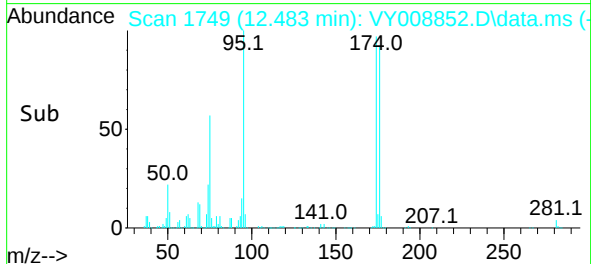
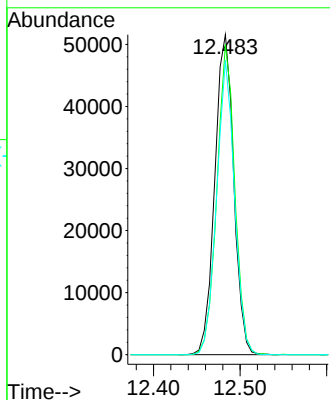
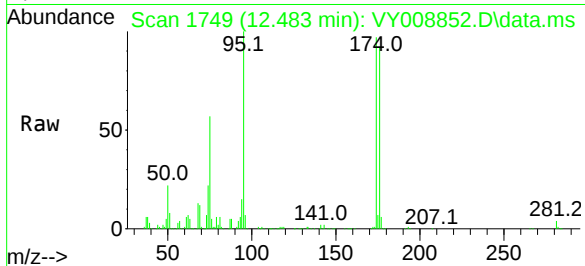




#62
4-Bromofluorobenzene
Concen: 40.294 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

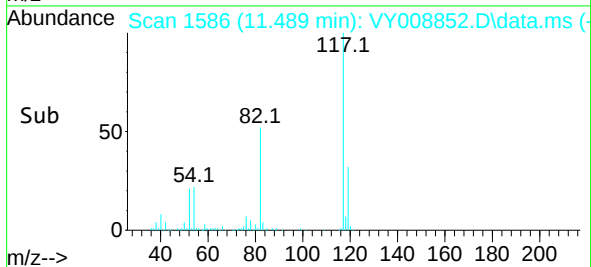
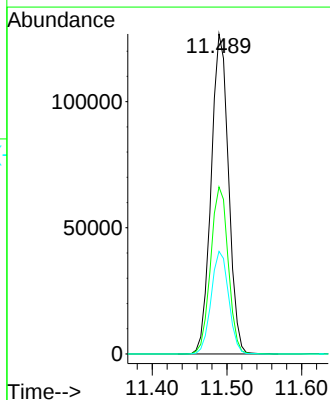
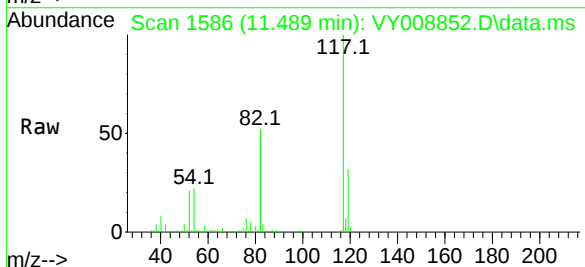
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

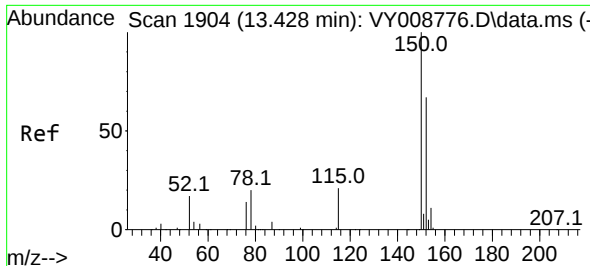
Tgt Ion: 95 Resp: 78249
Ion Ratio Lower Upper
95 100
174 91.9 0.0 177.0
176 86.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 117 Resp: 204859
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.1 25.4 38.0

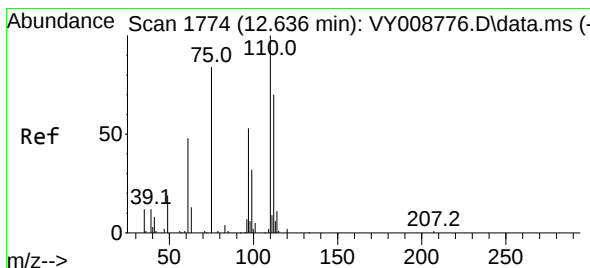
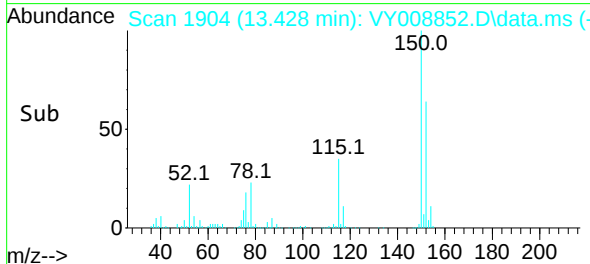
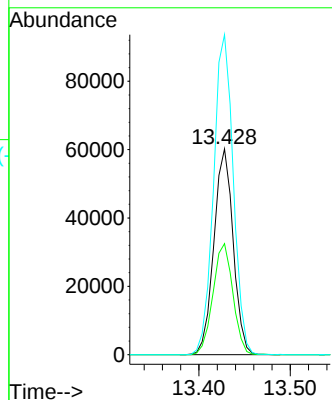
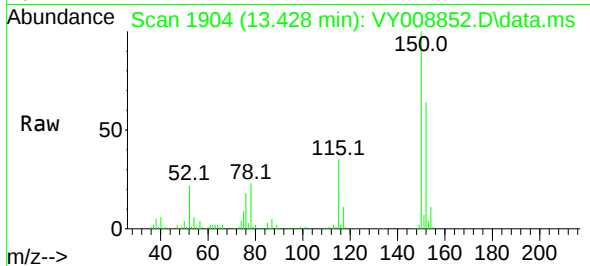




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 14
 Delta R.T. -0.000 min
 Lab File: VY008852.D
 Acq: 19 May 2022 06:53

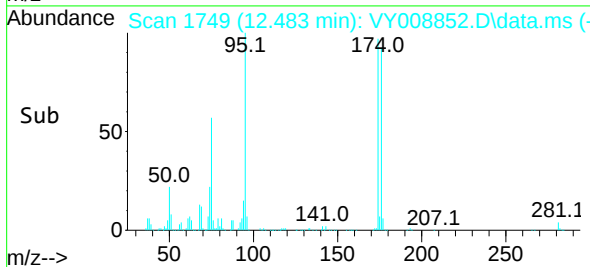
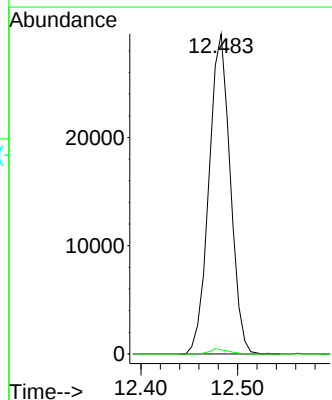
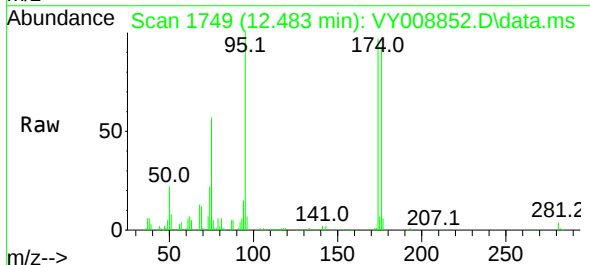
Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-2430-01

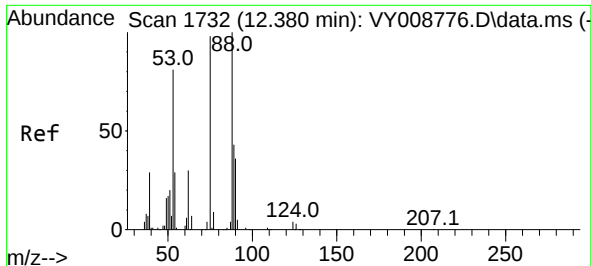
Tgt Ion:152 Resp: 88269
 Ion Ratio Lower Upper
 152 100
 115 55.7 28.2 84.7
 150 158.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.370 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY008852.D
 Acq: 19 May 2022 06:53

Tgt Ion: 75 Resp: 45241
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

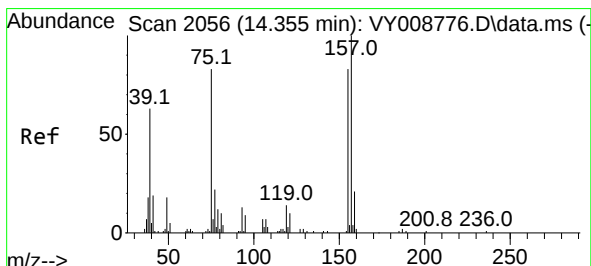
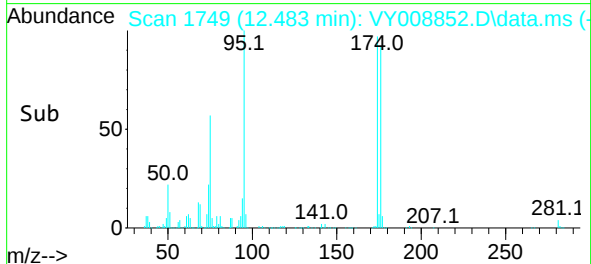
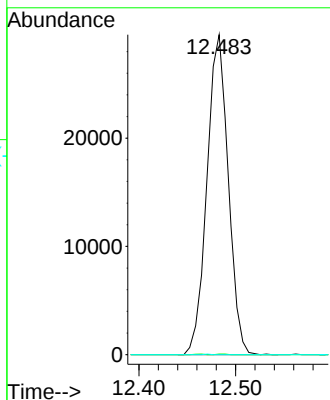
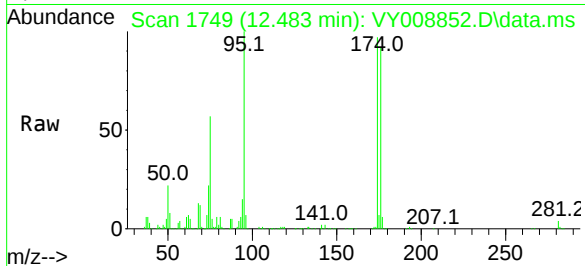




#81
trans-1,4-Dichloro-2-butene
Concen: 97.050 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-2430-01

Tgt Ion: 75 Resp: 45241
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#



#92
1,2-Dibromo-3-Chloropropane
Concen: 1.221 ug/l
RT: 14.257 min Scan# 2040
Delta R.T. -0.098 min
Lab File: VY008852.D
Acq: 19 May 2022 06:53

Tgt Ion: 75 Resp: 281
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 0.0 47.8 143.3#

