

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008876.D
 Acq On : 19 May 2022 18:31
 Operator : KP/MD
 Sample : N2841-15
 Misc : 5.90g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-2430-01

Quant Time: May 20 02:53:38 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)

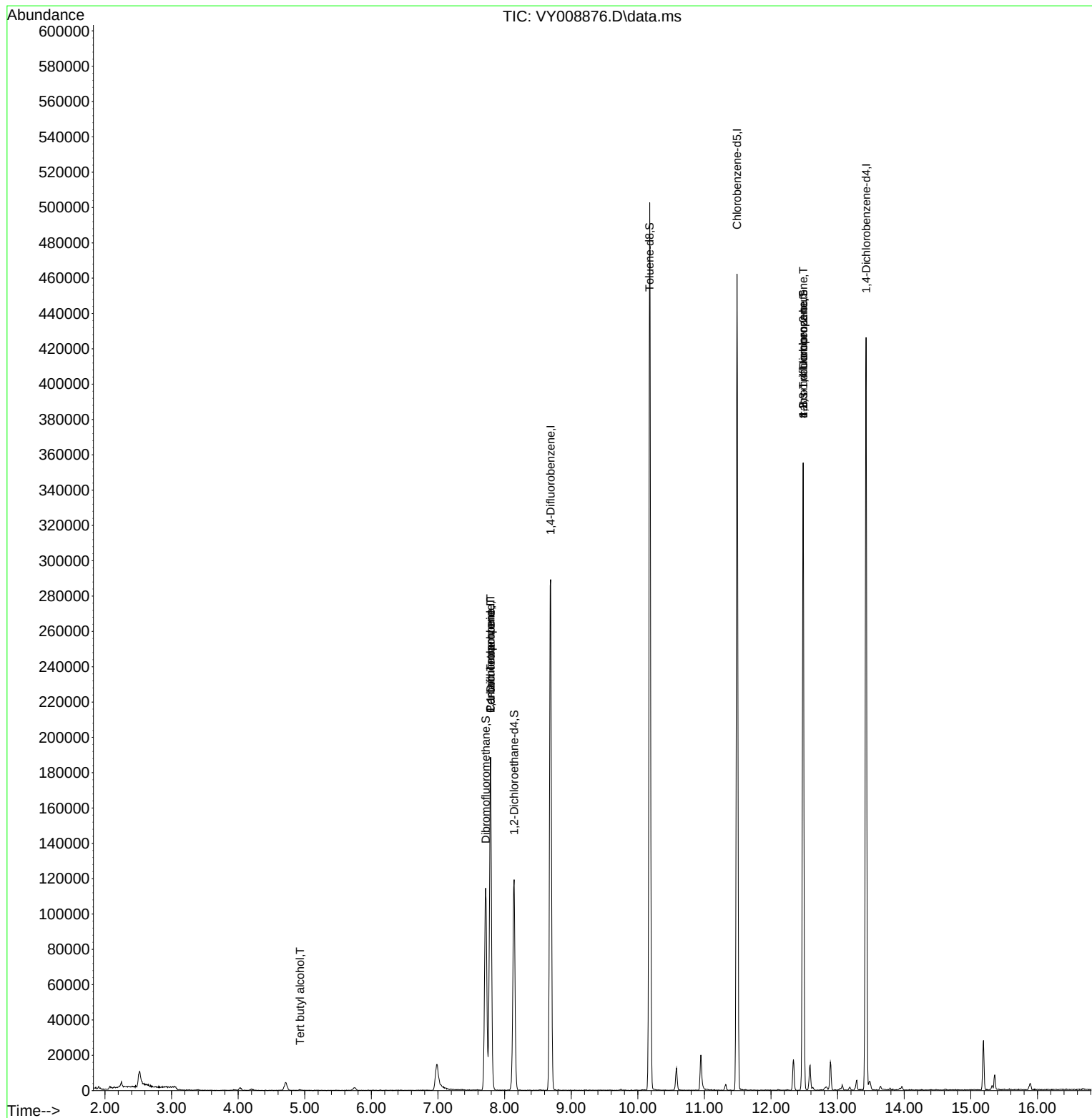
Internal Standards						
1) Pentafluorobenzene	7.789	168	137641	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	246941	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	237931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	101934	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	88607	69.392	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 138.780%			
35) Dibromofluoromethane	7.716	113	79266	54.938	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.880%			
50) Toluene-d8	10.179	98	310073	48.453	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 96.900%			
62) 4-Bromofluorobenzene	12.483	95	93086	41.323	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	1173	Below Cal		92
3) Chloromethane	2.113	50	46	Below Cal	#	44
4) Vinyl Chloride	2.247	62	19	Below Cal	#	43
5) Bromomethane	2.662	94	147	Below Cal	#	9
6) Chloroethane	2.845	64	52	Below Cal	#	12
7) Trichlorofluoromethane	3.125	101	209	Below Cal	#	21
11) Tert butyl alcohol	4.930	59	521	3.692 ug/l	#	77
16) Acetone	3.930	43	321	Below Cal	#	47
18) Methyl Acetate	4.222	43	84	Below Cal	#	56
20) Methylene Chloride	4.716	84	3374	Below Cal	#	71
31) Cyclohexane	7.789	56	3375	Below Cal	#	37
36) 1,1-Dichloropropene	7.789	75	11388	4.928 ug/l	#	50
38) Carbon Tetrachloride	7.789	117	14132	5.706 ug/l	#	15
76) 1,2,3-Trichloropropane	12.483	75	53341	45.301 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	53341	99.086 ug/l	#	7

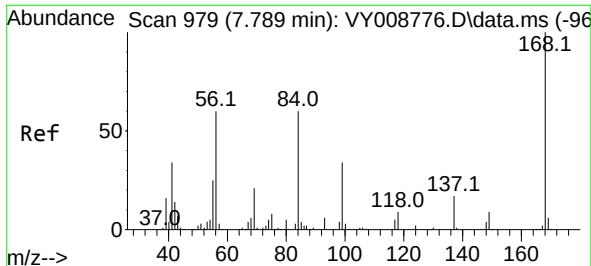
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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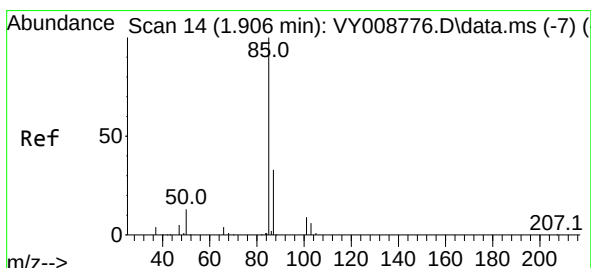
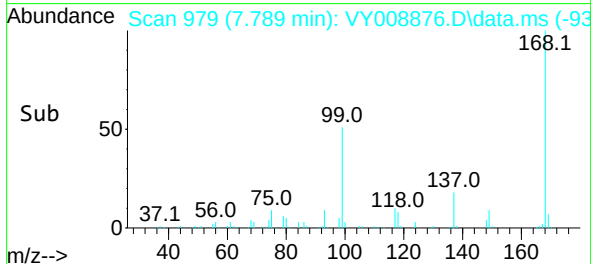
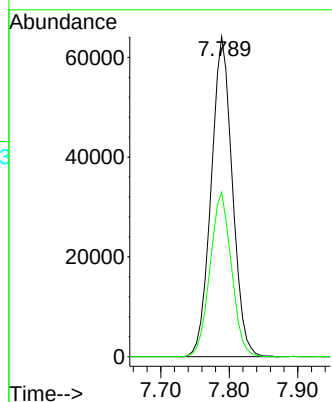
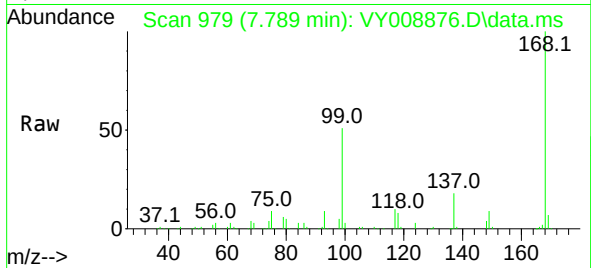




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

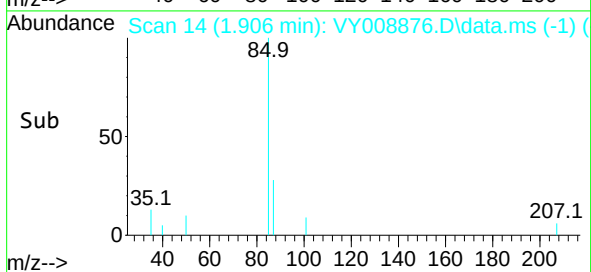
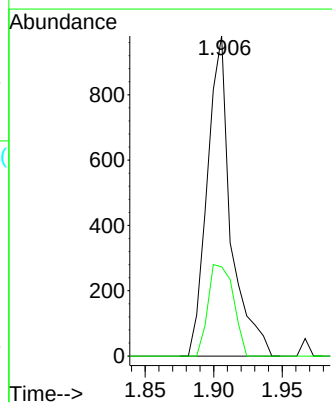
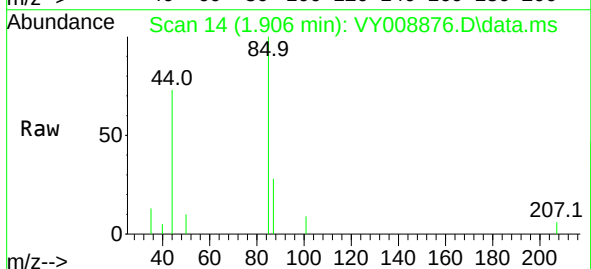
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

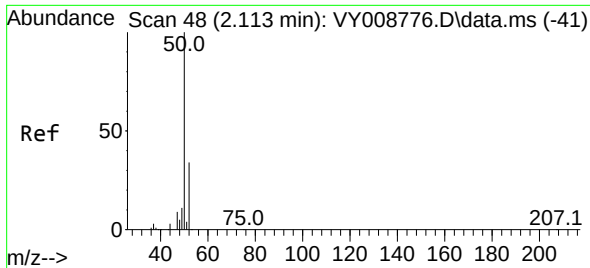
Tgt Ion:168 Resp: 137641
Ion Ratio Lower Upper
168 100
99 51.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 85 Resp: 1173
Ion Ratio Lower Upper
85 100
87 27.9 16.1 48.2

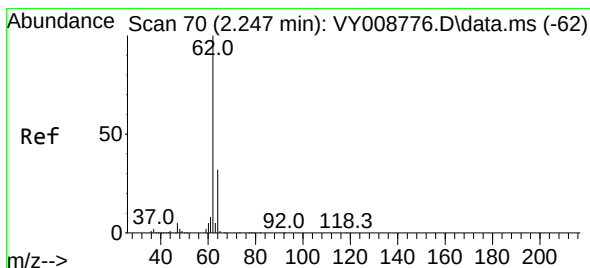
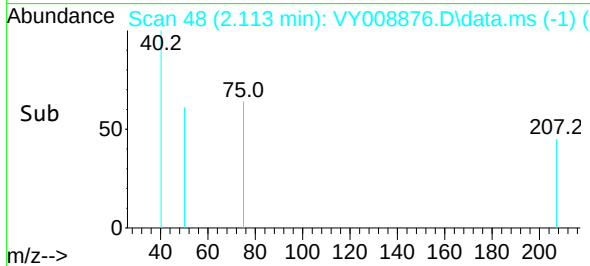
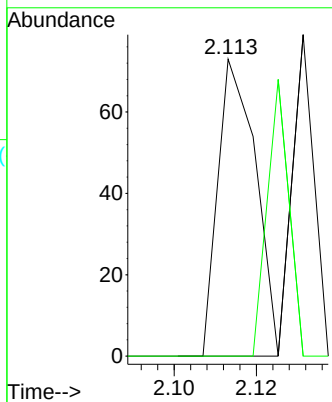
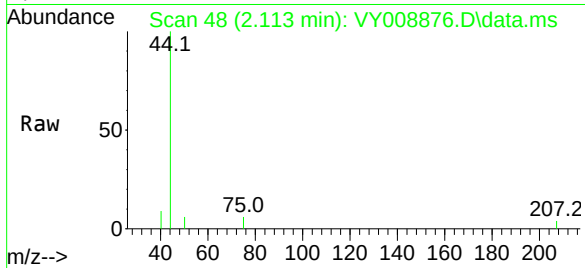




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

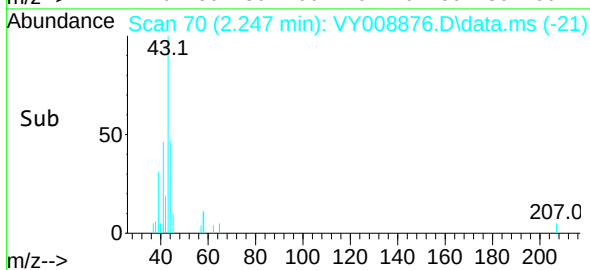
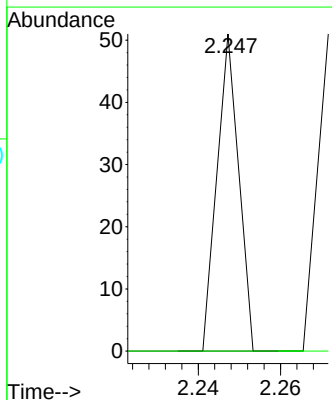
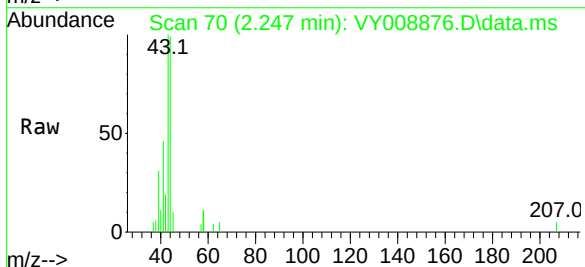
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

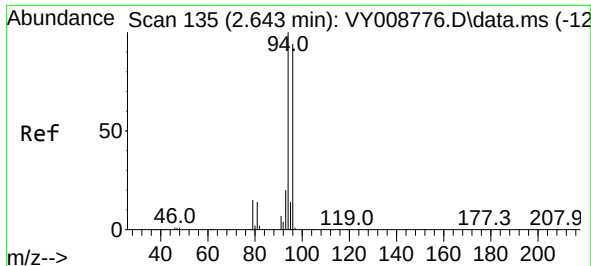
Tgt Ion: 50 Resp: 46
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

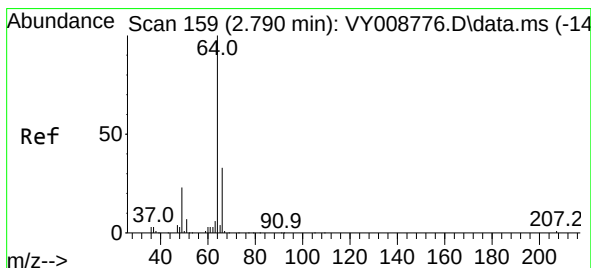
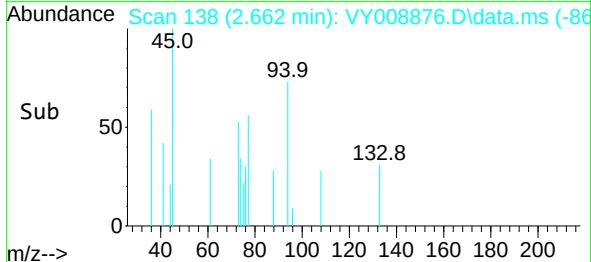
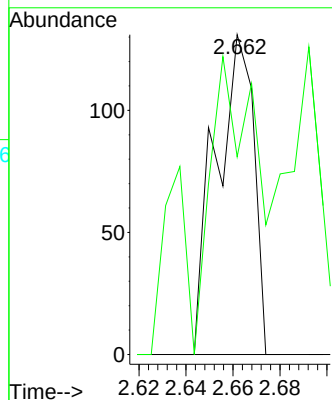
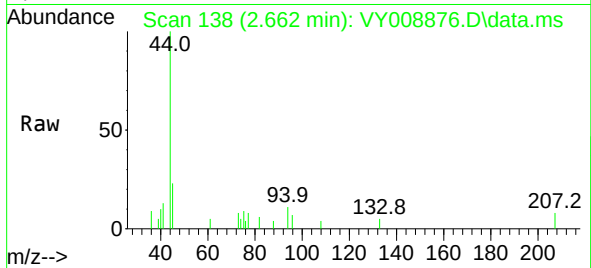




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

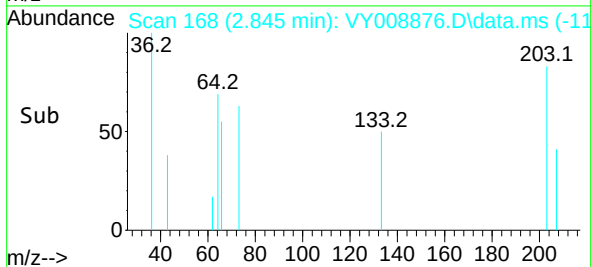
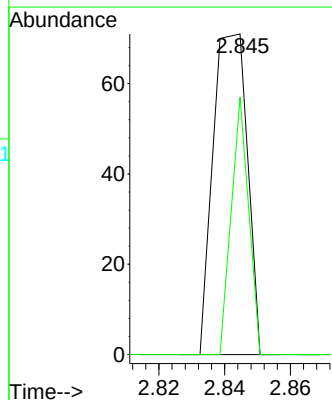
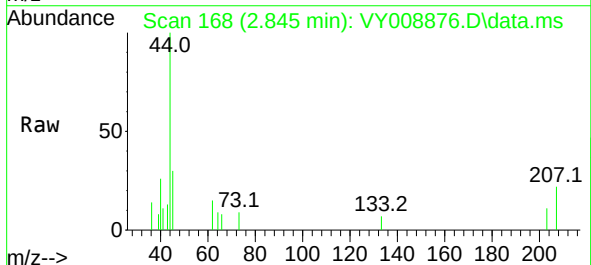
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

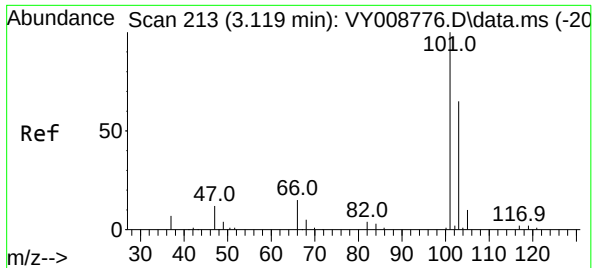
Tgt Ion: 94 Resp: 147
Ion Ratio Lower Upper
94 100
96 5.3 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.845 min Scan# 168
Delta R.T. 0.055 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 64 Resp: 52
Ion Ratio Lower Upper
64 100
66 80.3 25.4 38.0#

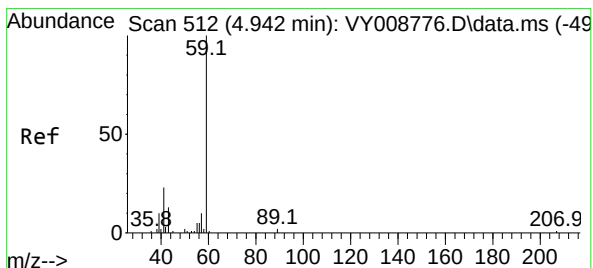
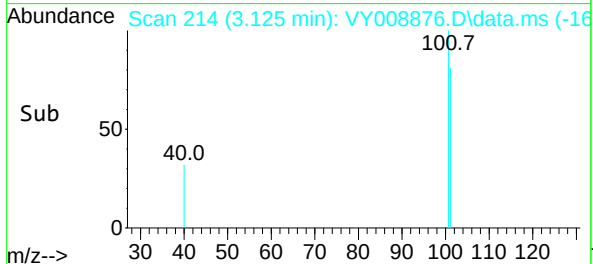
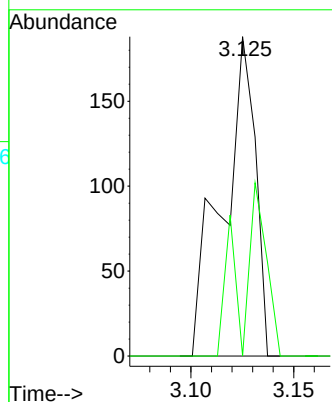
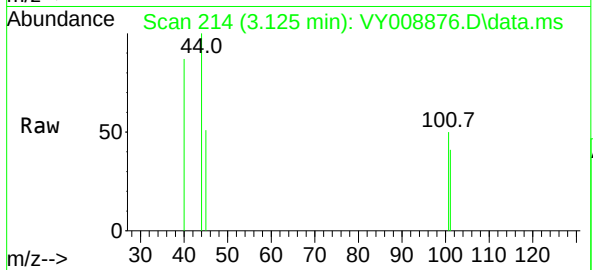




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.125 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

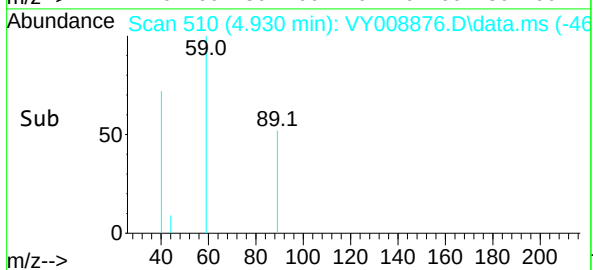
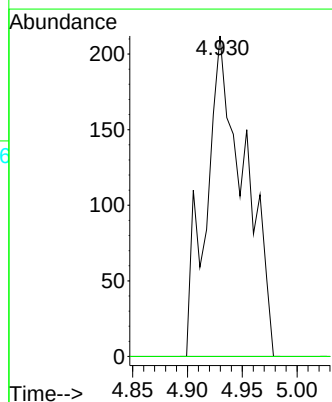
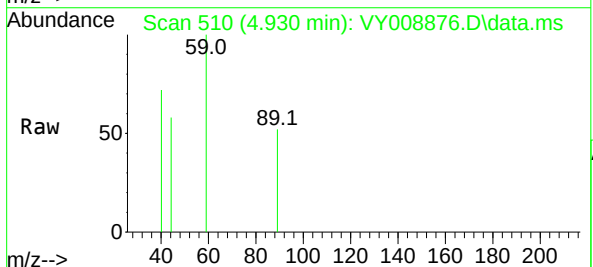
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

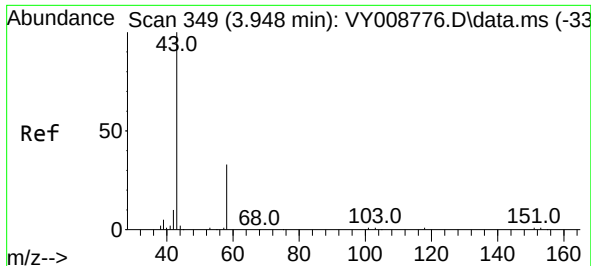
Tgt Ion:101 Resp: 209
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 3.692 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 59 Resp: 521
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

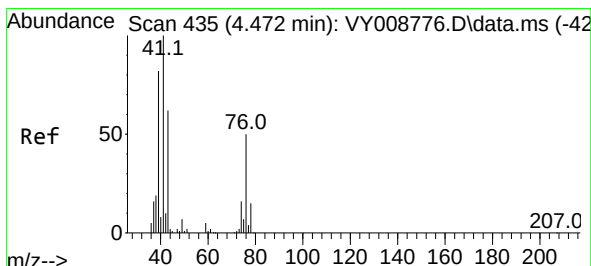
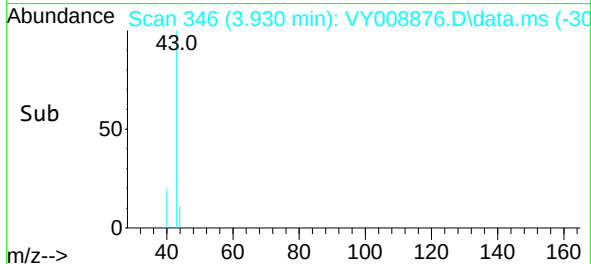
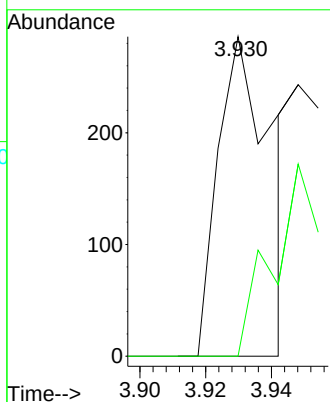
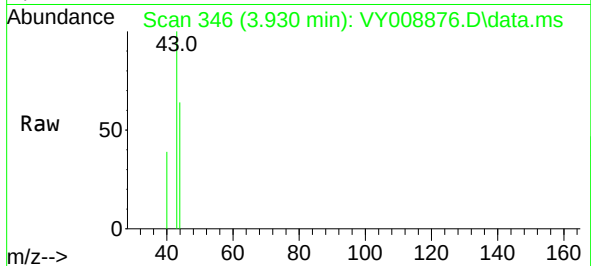




#16
Acetone
Concen: Below Cal
RT: 3.930 min Scan# 34
Delta R.T. -0.018 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

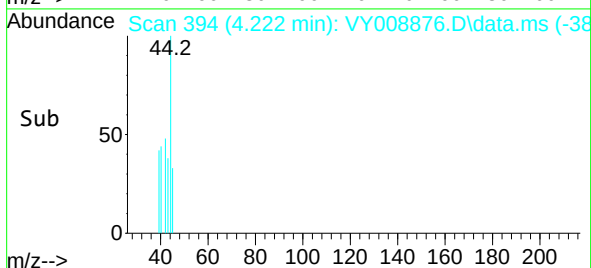
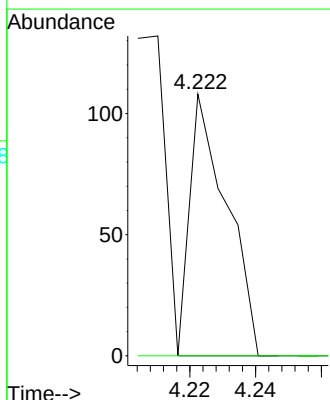
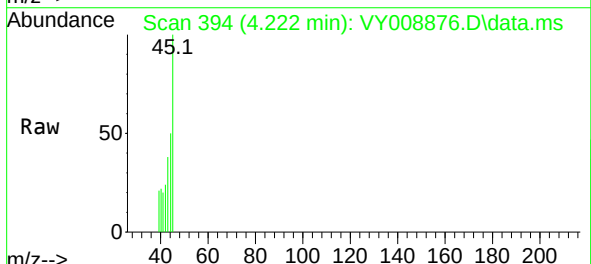
Instrument :
MSVOA_Y
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P006-SS002-2430-01

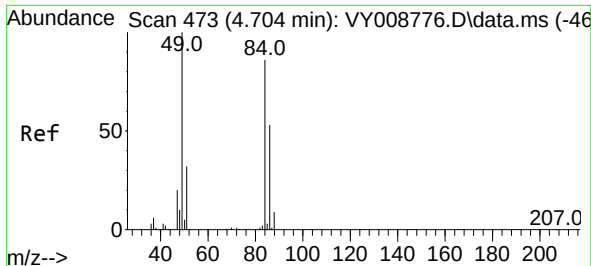
Tgt Ion: 43 Resp: 321
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.222 min Scan# 394
Delta R.T. -0.250 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

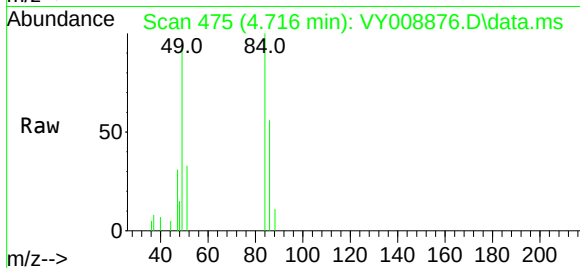
Tgt Ion: 43 Resp: 84
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



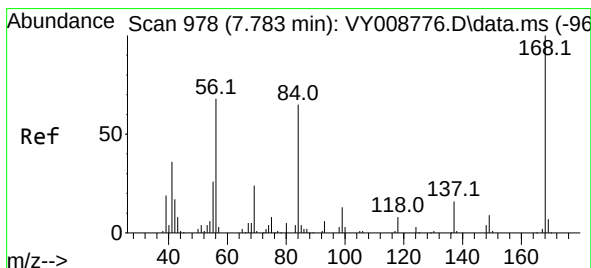
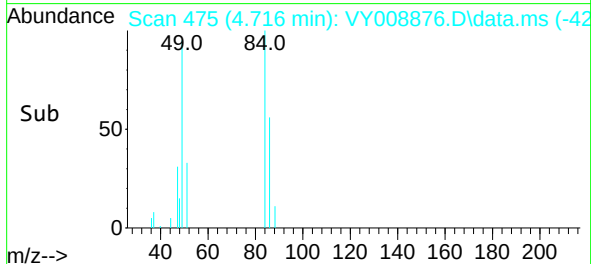
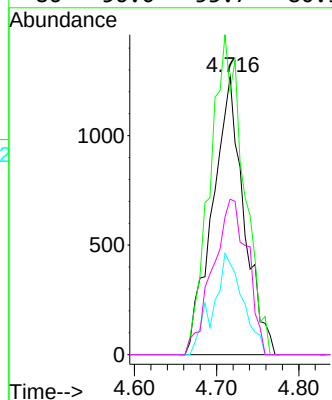


#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Instrument :
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P006-SS002-2430-01

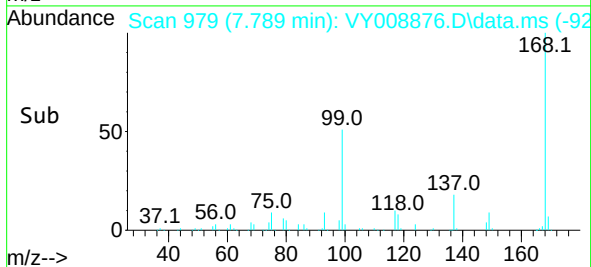
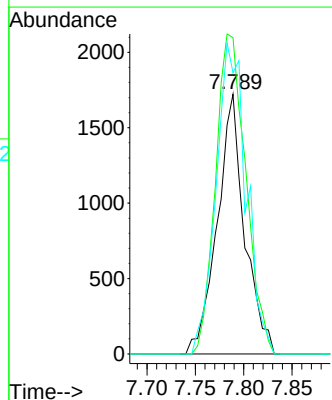
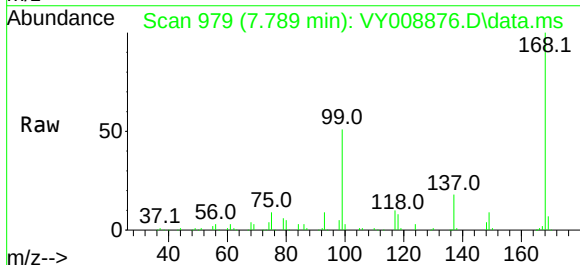


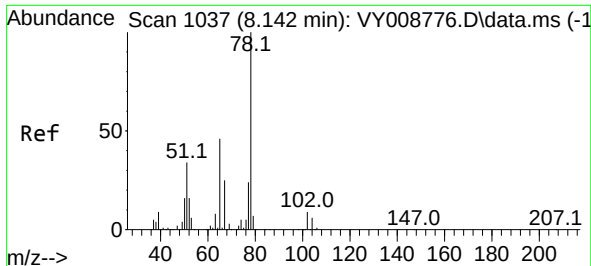
Tgt Ion: 84 Resp: 3374
Ion Ratio Lower Upper
84 100
49 94.9 114.4 171.6#
51 32.9 35.3 52.9#
86 56.0 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 979
Delta R.T. 0.006 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 56 Resp: 3375
Ion Ratio Lower Upper
56 100
69 121.8 26.7 40.1#
84 108.3 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 69.392 ug/l

RT: 8.143 min Scan# 110

Delta R.T. 0.000 min

Lab File: VY008876.D

Acq: 19 May 2022 18:31

Instrument :

MSVOA_Y

ClientSampleId :

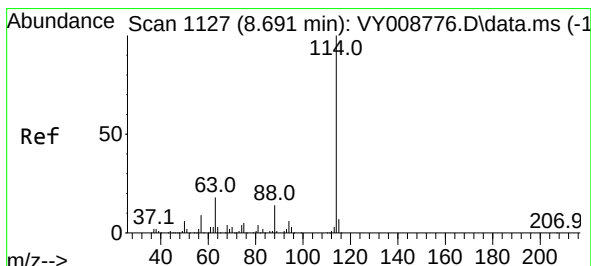
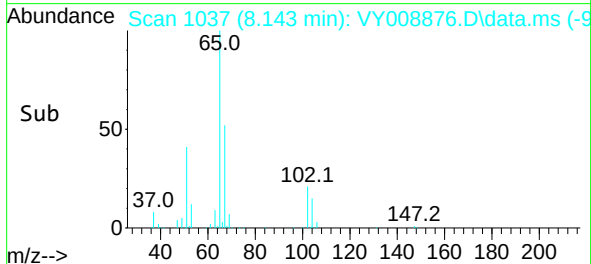
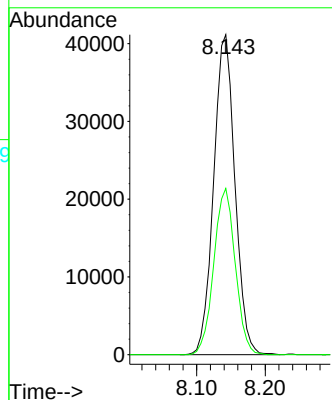
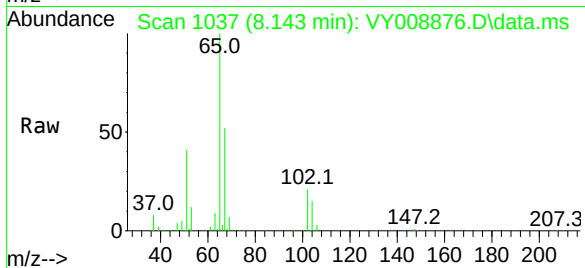
P006-SS002-2430-01

Tgt Ion: 65 Resp: 88607

Ion Ratio Lower Upper

65 100

67 52.4 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: VY008876.D

Acq: 19 May 2022 18:31

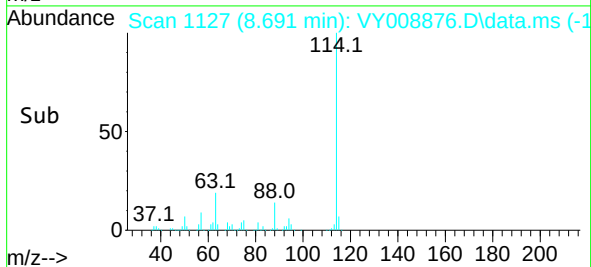
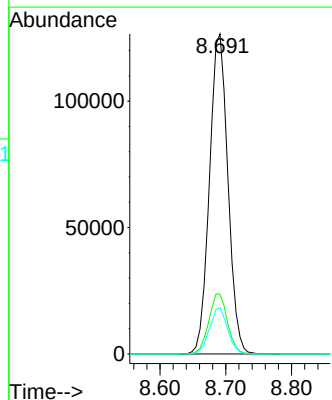
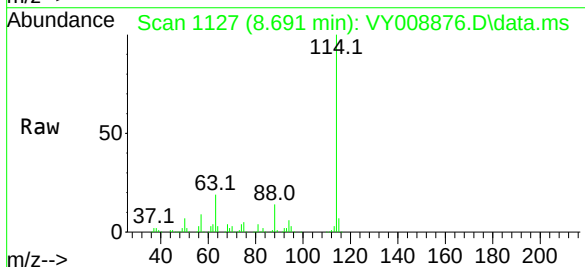
Tgt Ion: 114 Resp: 246941

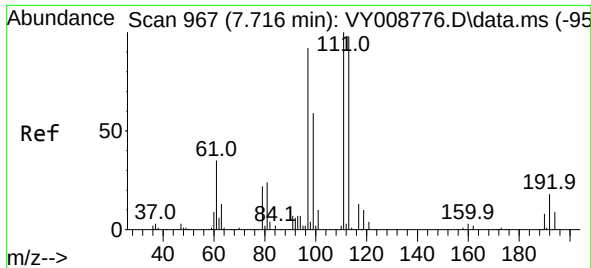
Ion Ratio Lower Upper

114 100

63 18.7 0.0 43.2

88 14.4 0.0 31.8

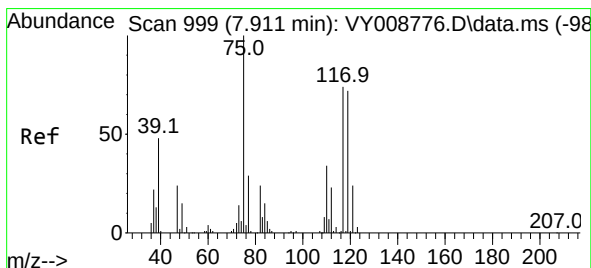
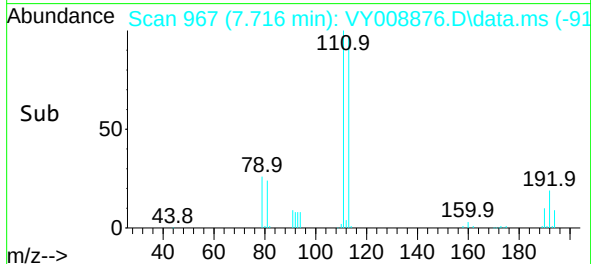
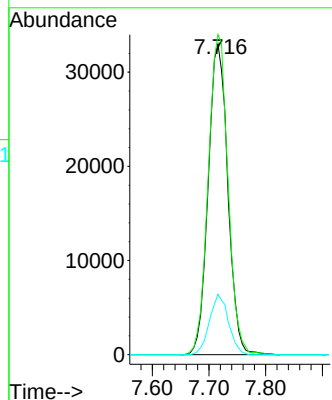
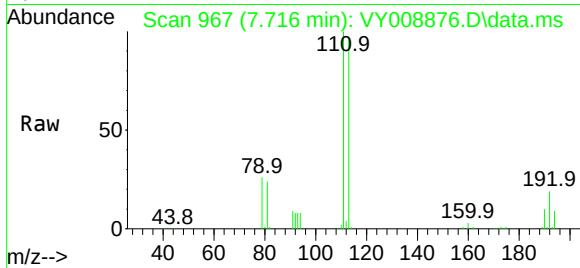




#35
Dibromofluoromethane
Concen: 54.938 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

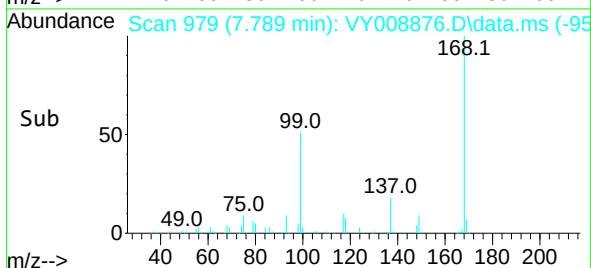
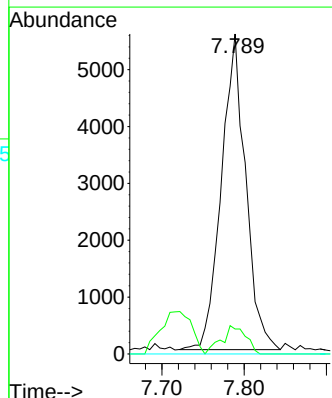
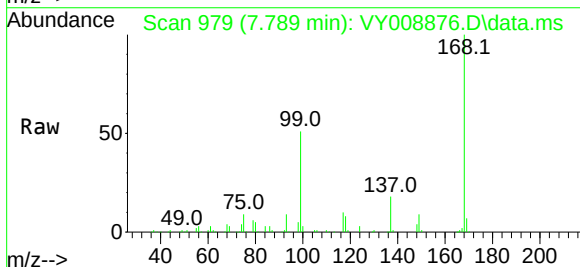
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

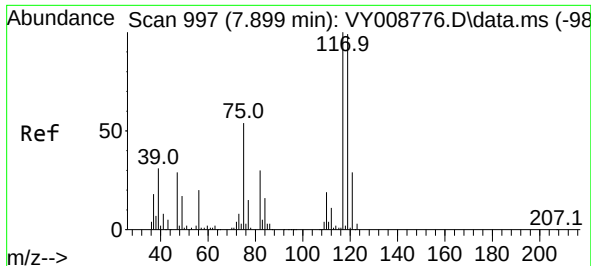
Tgt Ion:113 Resp: 79266
Ion Ratio Lower Upper
113 100
111 104.0 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.928 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

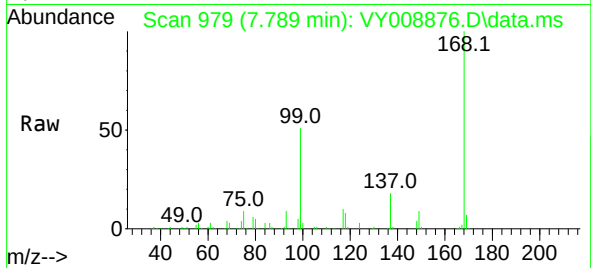
Tgt Ion: 75 Resp: 11388
Ion Ratio Lower Upper
75 100
110 8.9 17.1 51.2#
77 0.0 24.4 36.6#



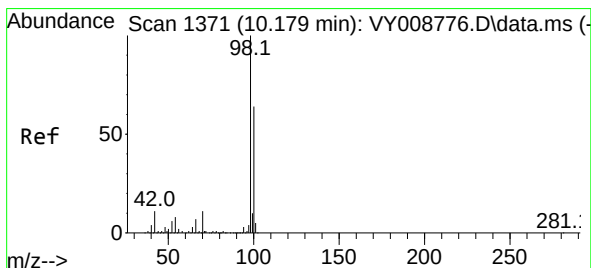
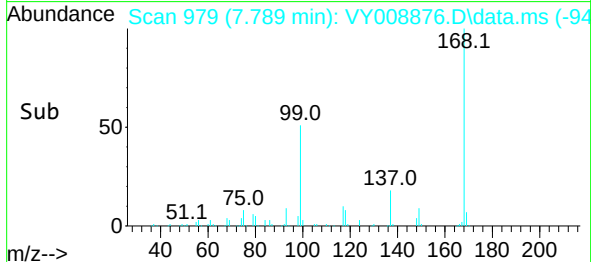
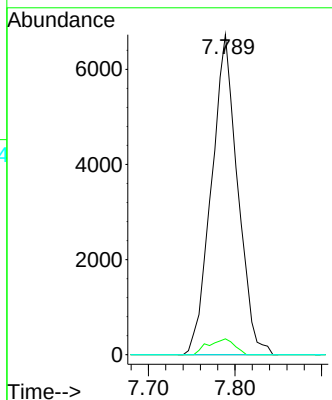


#38
Carbon Tetrachloride
Concen: 5.706 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

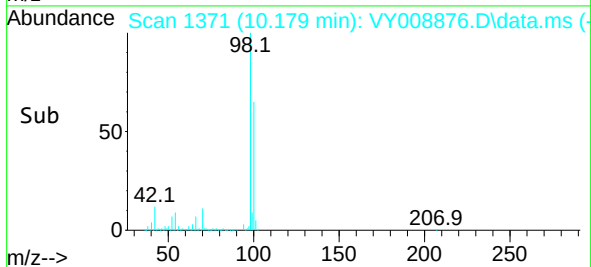
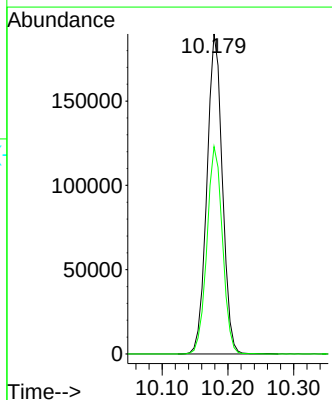
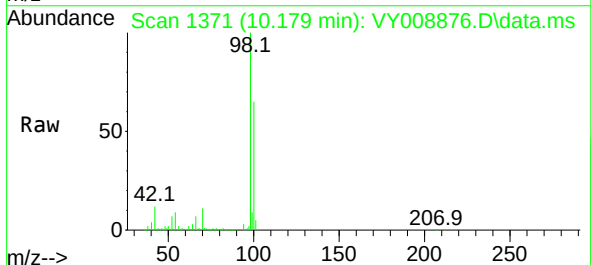


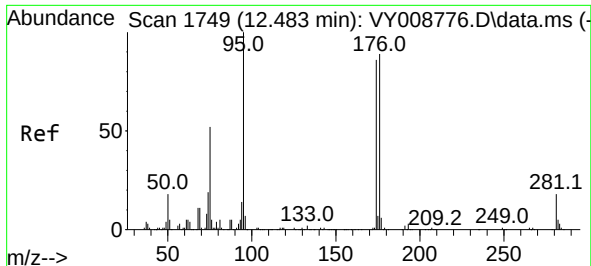
Tgt Ion:117 Resp: 14132
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.453 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 98 Resp: 310073
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2

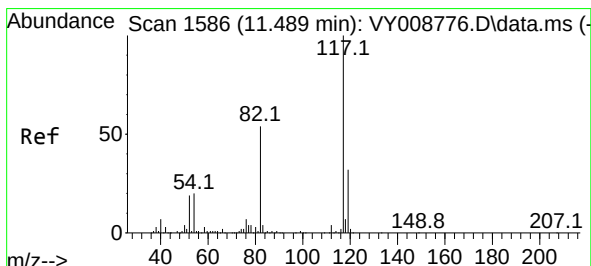
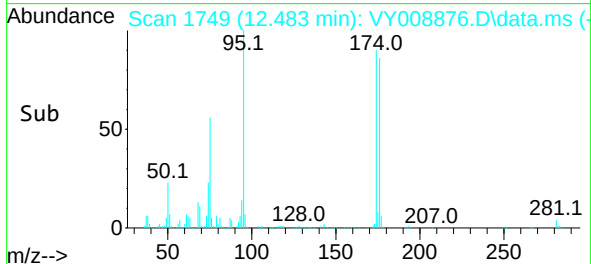
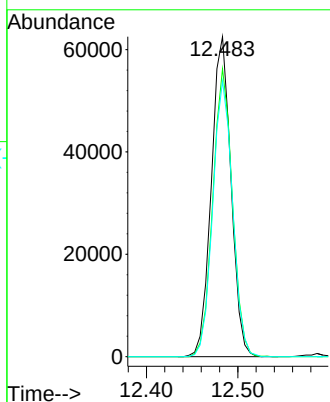
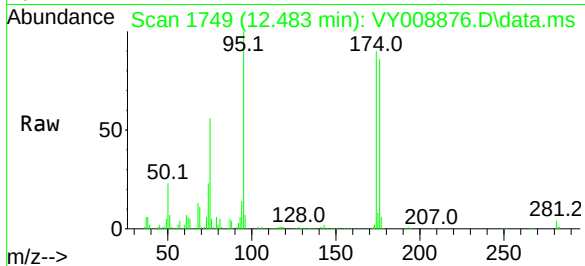




#62
4-Bromofluorobenzene
Concen: 41.323 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

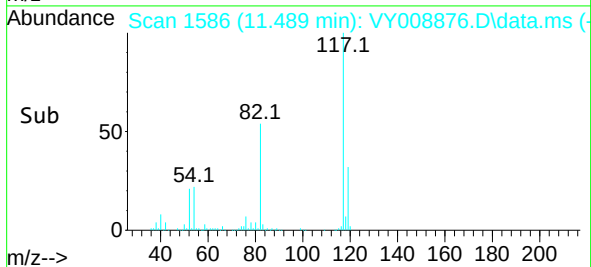
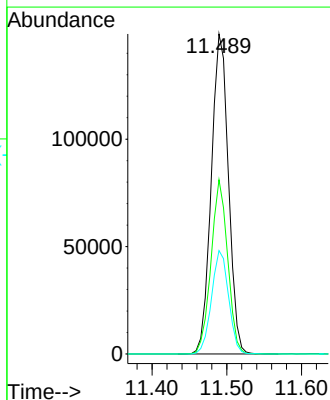
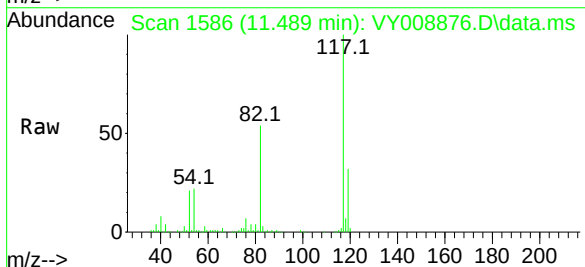
Instrument :
MSVOA_Y
ClientSampleId :
P006-SS002-2430-01

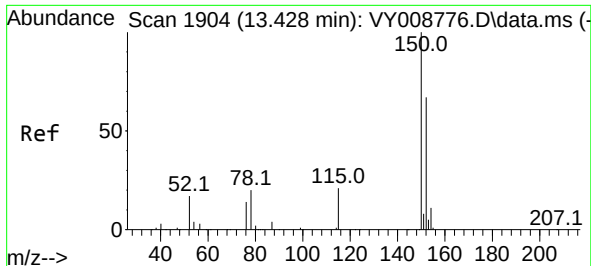
Tgt Ion: 95 Resp: 93086
Ion Ratio Lower Upper
95 100
174 89.9 0.0 177.0
176 87.0 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008876.D
Acq: 19 May 2022 18:31

Tgt Ion: 117 Resp: 237931
Ion Ratio Lower Upper
117 100
82 54.4 43.0 64.4
119 32.3 25.4 38.0

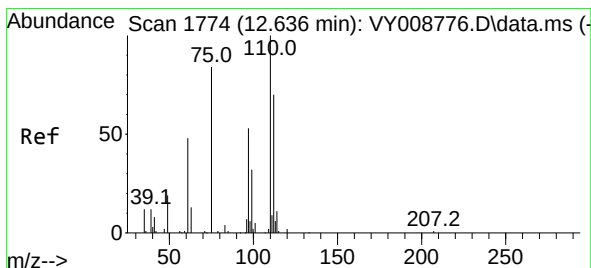
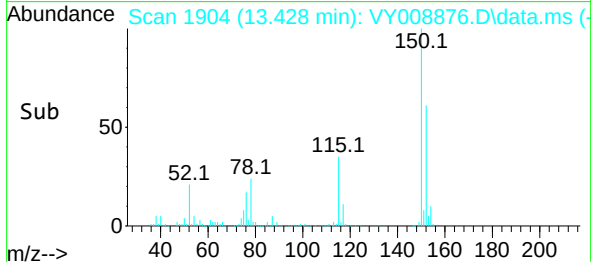
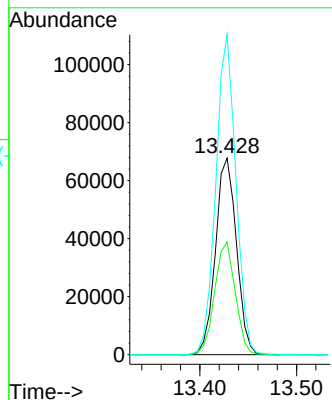
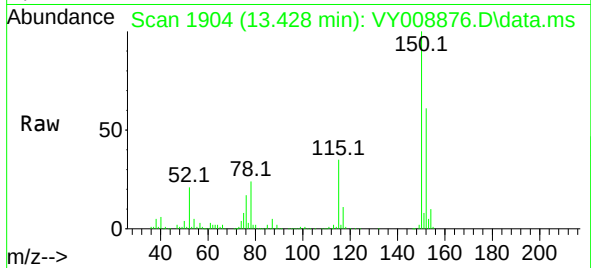




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008876.D
 Acq: 19 May 2022 18:31

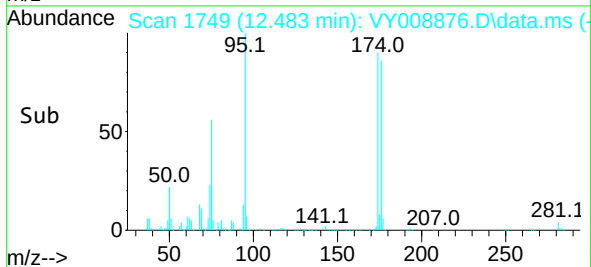
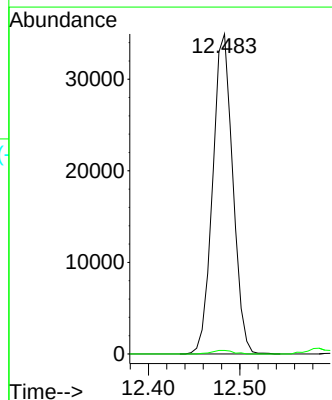
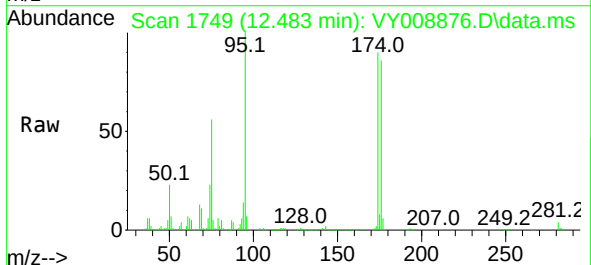
Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-2430-01

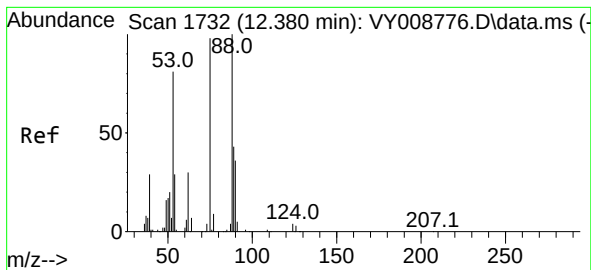
Tgt Ion:152 Resp: 101934
 Ion Ratio Lower Upper
 152 100
 115 56.4 28.2 84.7
 150 156.3 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 45.301 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY008876.D
 Acq: 19 May 2022 18:31

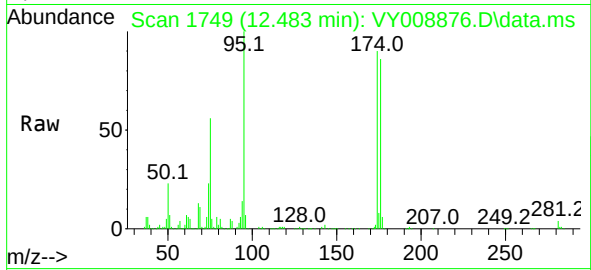
Tgt Ion: 75 Resp: 53341
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 99.086 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.104 min
 Lab File: VY008876.D
 Acq: 19 May 2022 18:31

Instrument :
 MSVOA_Y
 ClientSampleId :
 P006-SS002-2430-01



Tgt Ion: 75 Resp: 53341
 Ion Ratio Lower Upper
 75 100
 53 0.2 85.3 127.9#
 89 0.0 37.0 55.4#

