

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008901.D
 Acq On : 20 May 2022 05:22
 Operator : KP/MD
 Sample : N2868-11
 Misc : 5.58g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 49 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-0006-01

Quant Time: May 20 05:41:31 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)

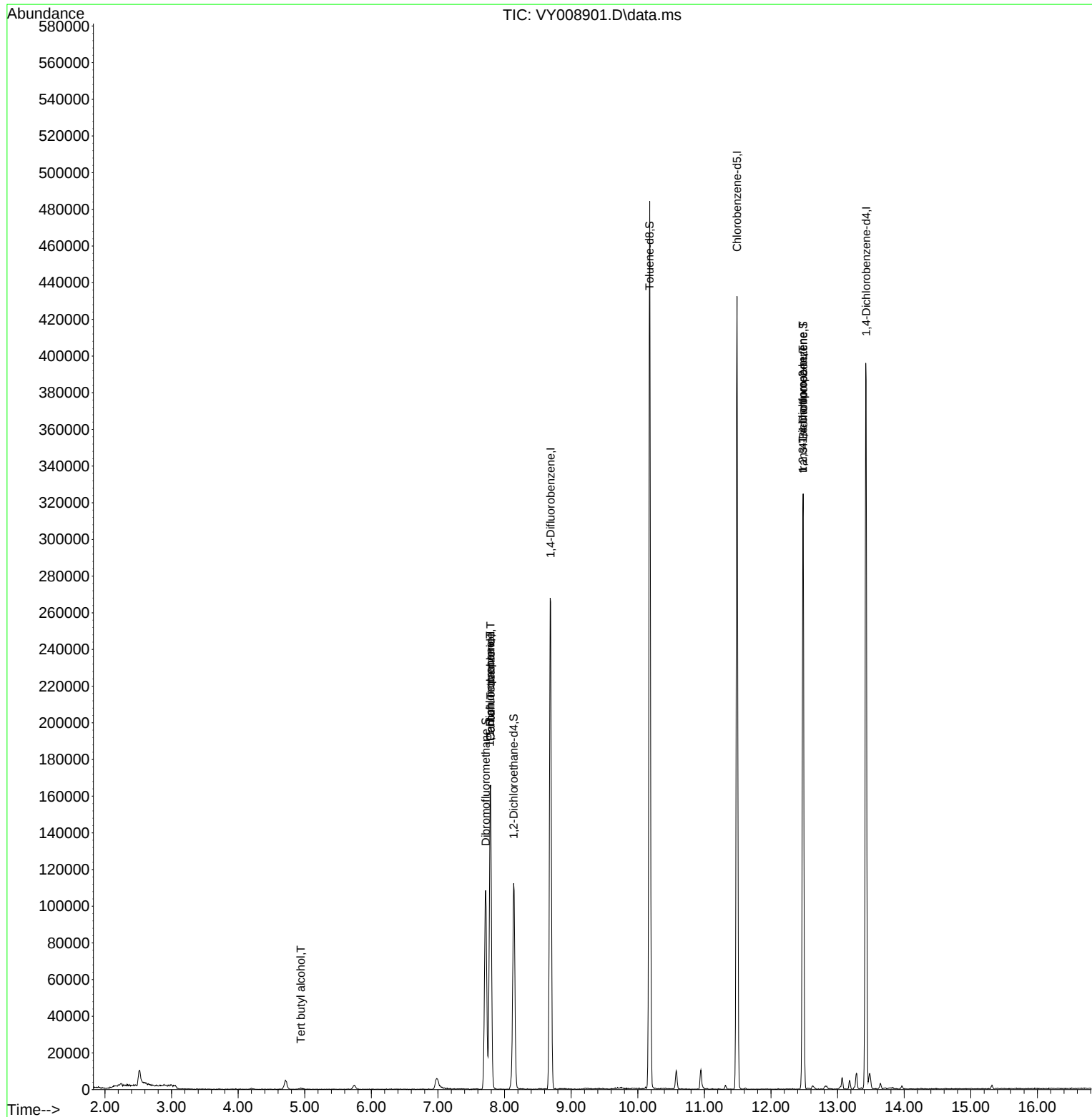
Internal Standards						
1) Pentafluorobenzene	7.789	168	126341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	220319	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	98175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	82625	70.495	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.980%	
35) Dibromofluoromethane	7.716	113	74321	55.504	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 111.000%	
50) Toluene-d8	10.179	98	293351	49.332	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.660%	
62) 4-Bromofluorobenzene	12.483	95	85185	40.795	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.580%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	535	Below Cal		98
3) Chloromethane	2.113	50	148	Below Cal	#	44
4) Vinyl Chloride	2.211	62	19	Below Cal	#	43
5) Bromomethane	2.668	94	211	Below Cal	#	39
6) Chloroethane	2.863	64	47	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	23	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	1566	12.089	ug/l #	77
16) Acetone	3.936	43	143	Below Cal	#	47
18) Methyl Acetate	4.247	43	19	Below Cal	#	56
20) Methylene Chloride	4.710	84	3744	Below Cal		87
31) Cyclohexane	7.783	56	3147	Below Cal	#	7
36) 1,1-Dichloropropene	7.783	75	11217	5.230	ug/l #	51
38) Carbon Tetrachloride	7.789	117	12406	5.398	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	50128	44.202	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50128	96.683	ug/l #	7

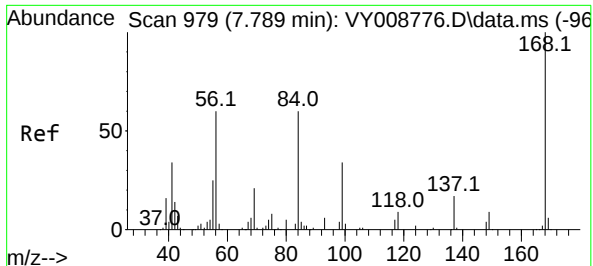
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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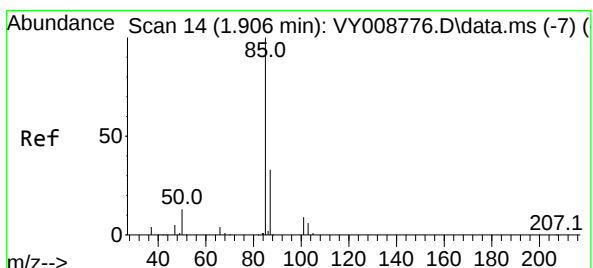
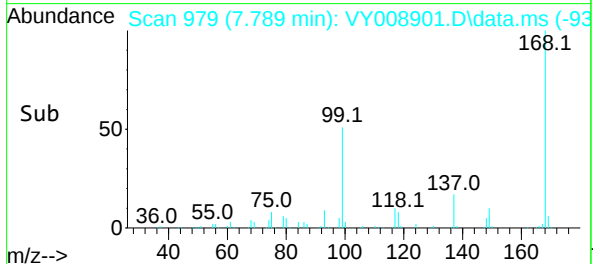
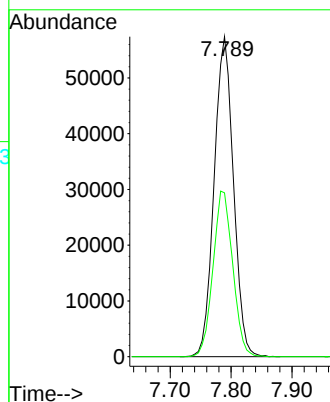
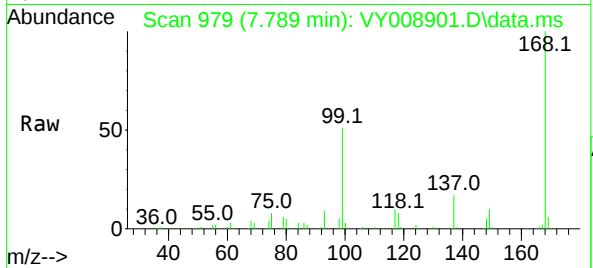




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

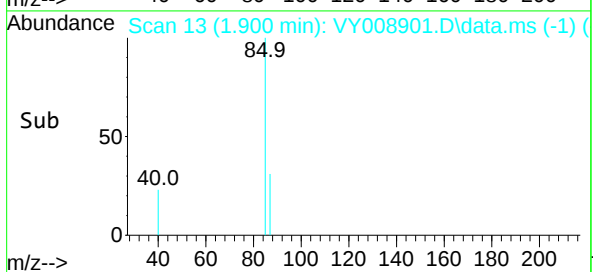
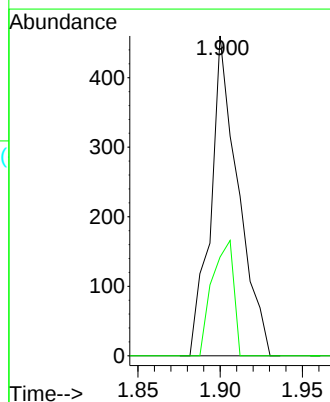
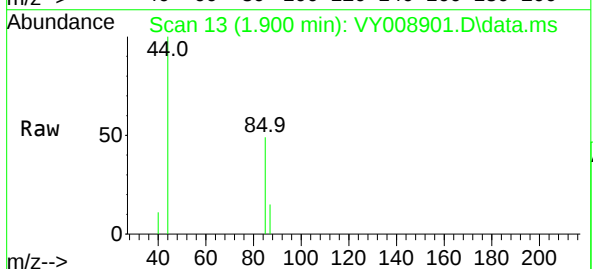
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

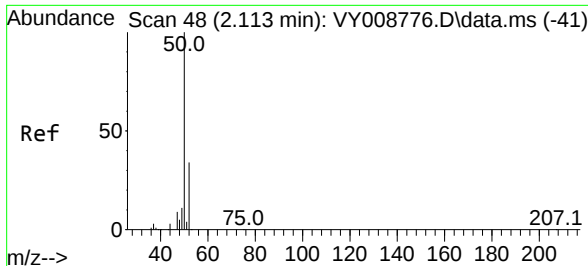
Tgt Ion:168 Resp: 126341
Ion Ratio Lower Upper
168 100
99 51.2 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion: 85 Resp: 535
Ion Ratio Lower Upper
85 100
87 30.9 16.1 48.2

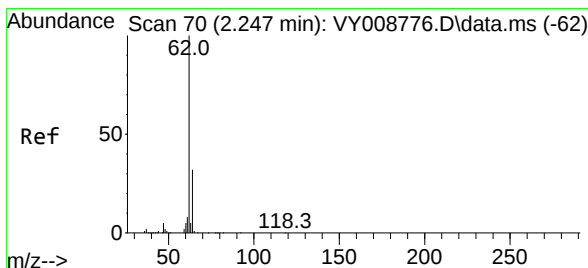
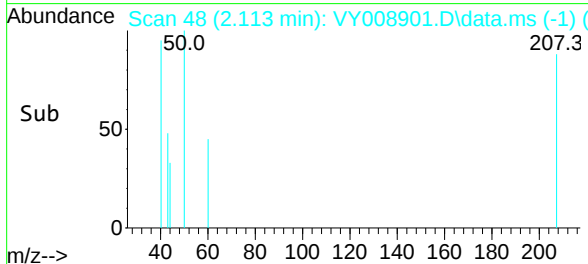
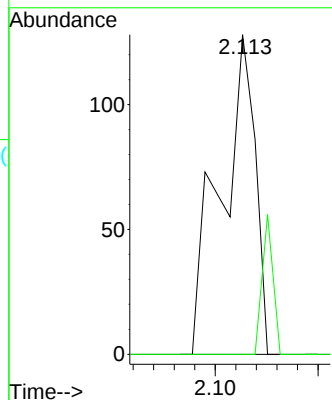
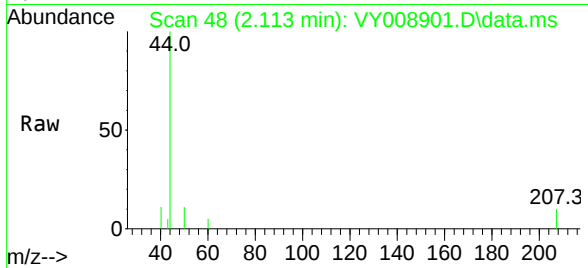




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

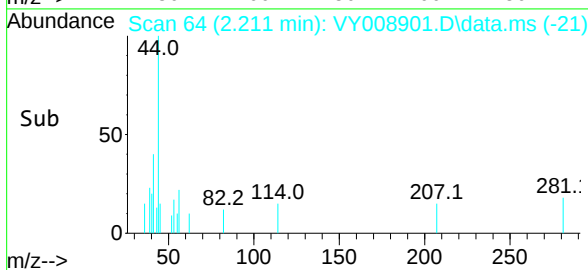
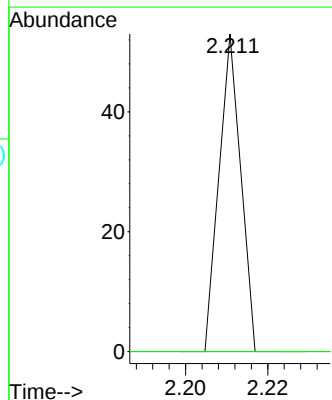
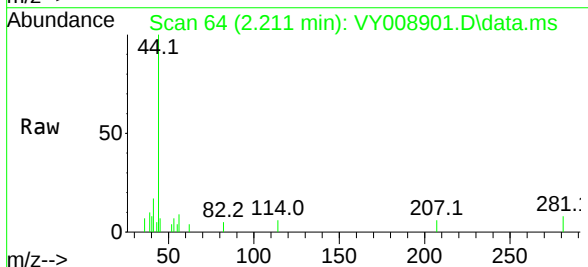
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

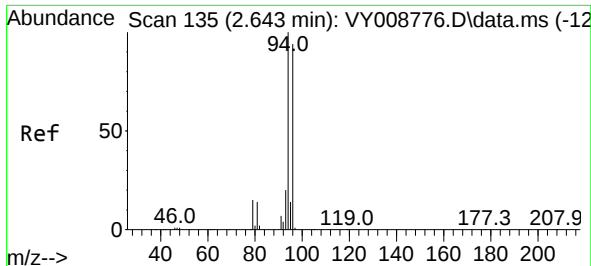
Tgt Ion: 50 Resp: 148
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.211 min Scan# 64
Delta R.T. -0.036 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

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

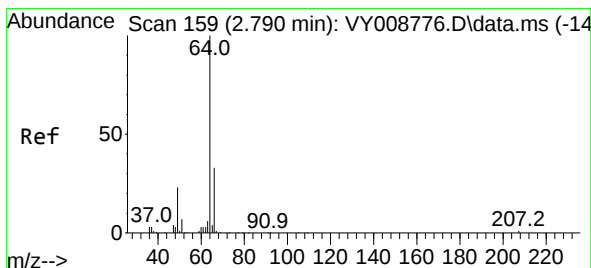
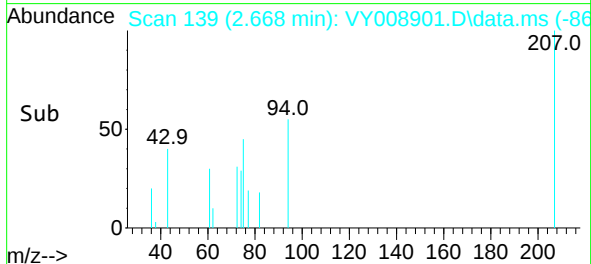
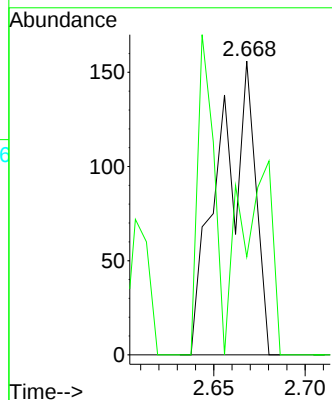
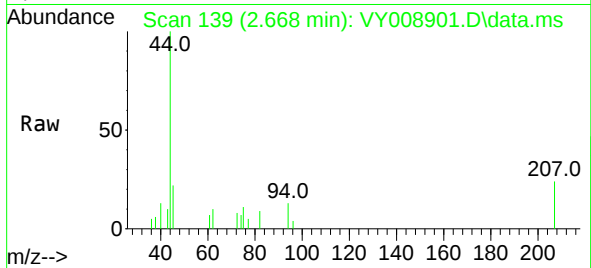




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

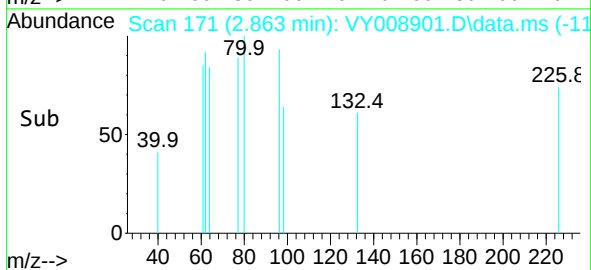
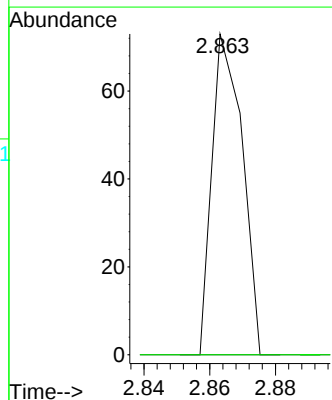
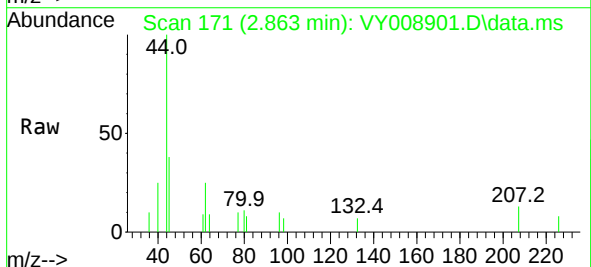
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

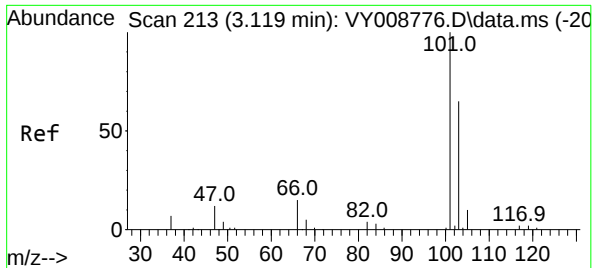
Tgt Ion: 94 Resp: 211
Ion Ratio Lower Upper
94 100
96 33.3 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.863 min Scan# 171
Delta R.T. 0.073 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion: 64 Resp: 47
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

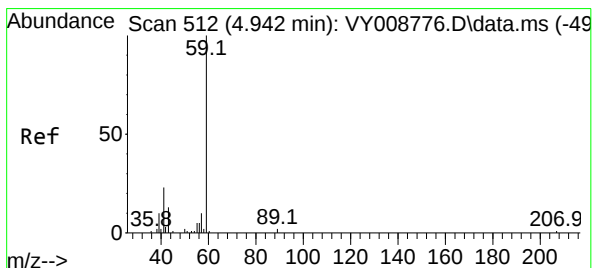
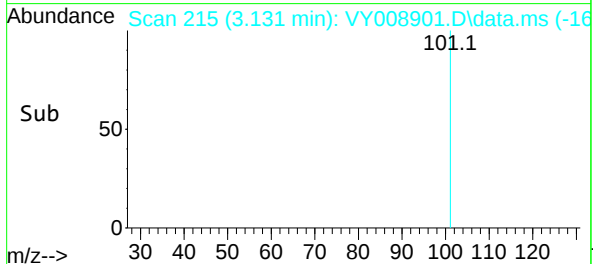
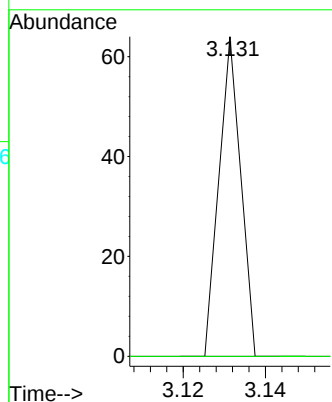
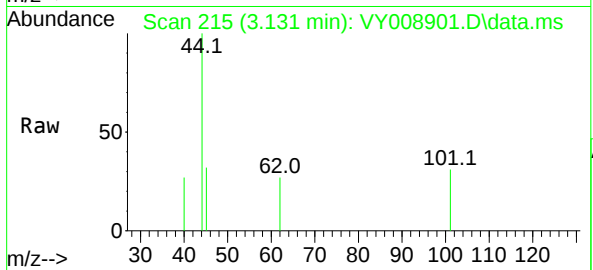




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 213
Delta R.T. 0.012 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

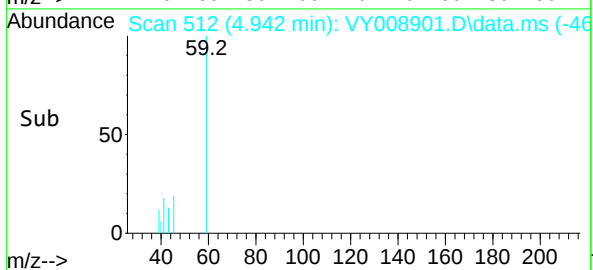
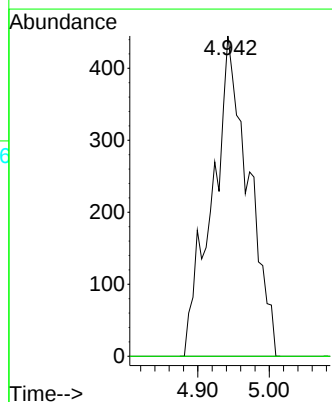
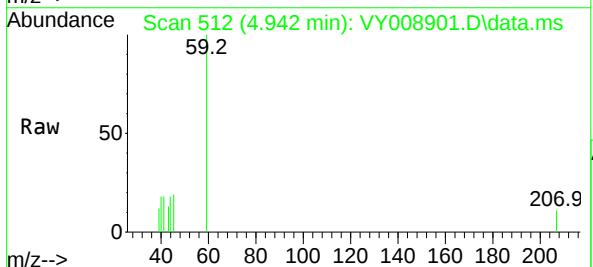
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

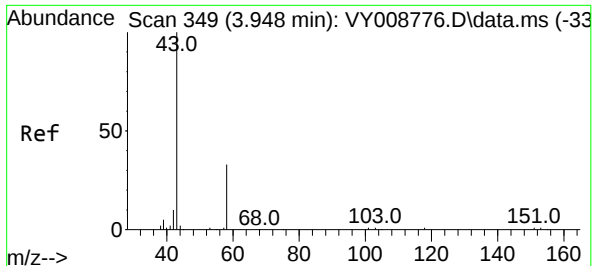
Tgt Ion:101 Resp: 23
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 12.089 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion: 59 Resp: 1566
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

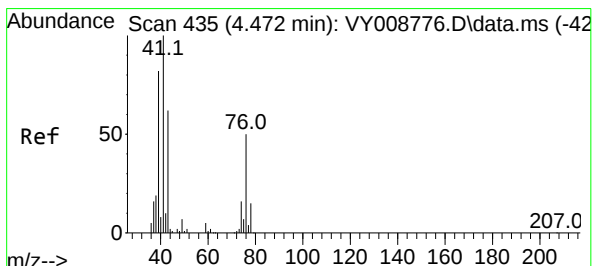
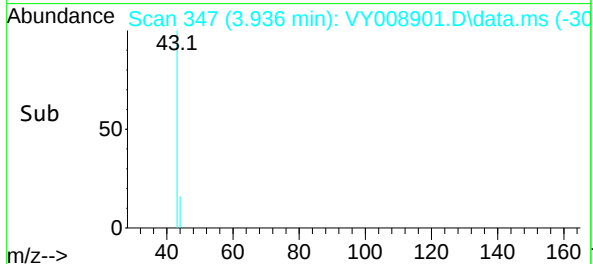
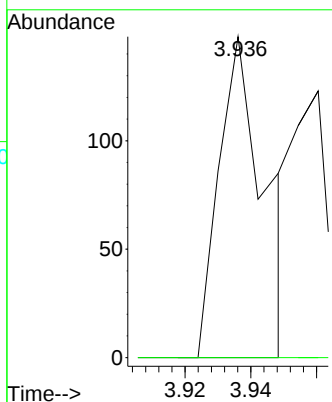
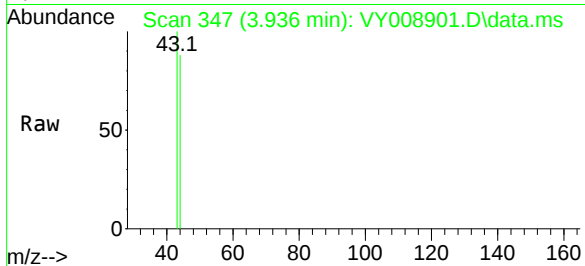




#16
Acetone
Concen: Below Cal
RT: 3.936 min Scan# 34
Delta R.T. -0.012 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

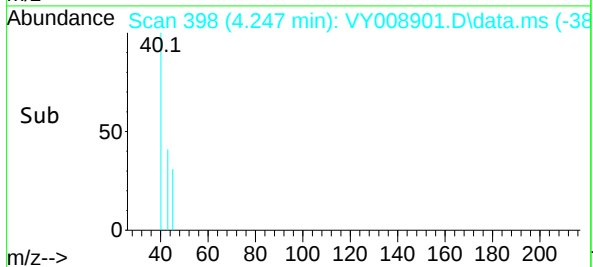
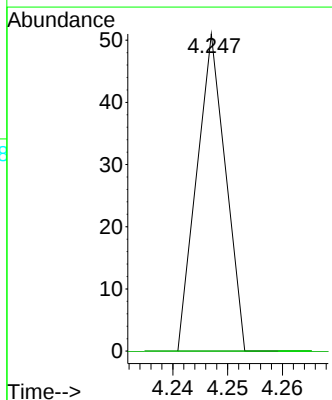
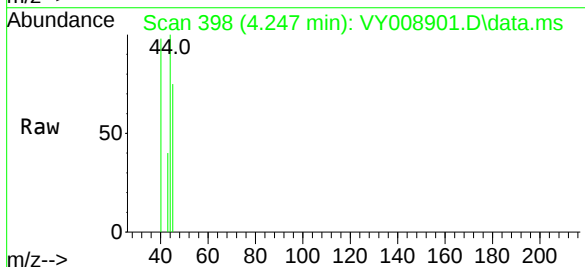
Instrument :
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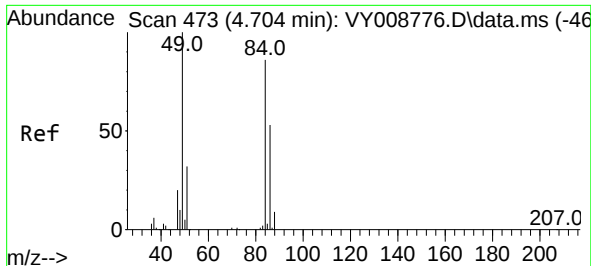
Tgt Ion: 43 Resp: 143
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.247 min Scan# 398
Delta R.T. -0.225 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

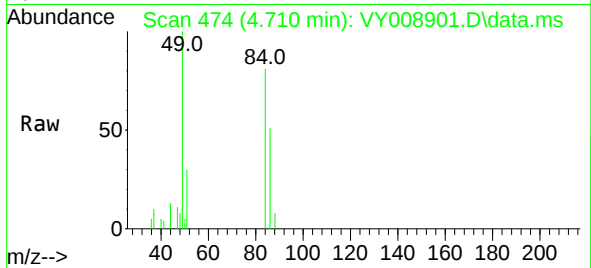
Tgt Ion: 43 Resp: 19
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



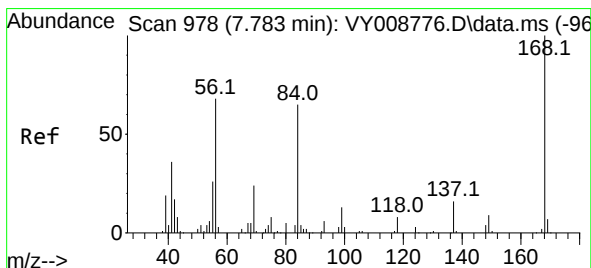
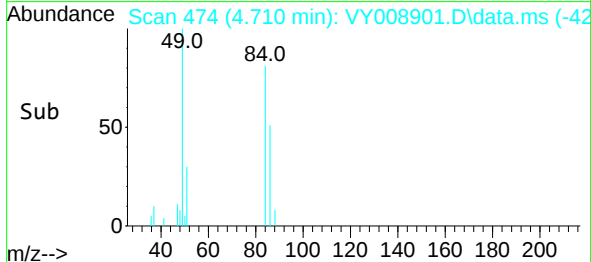
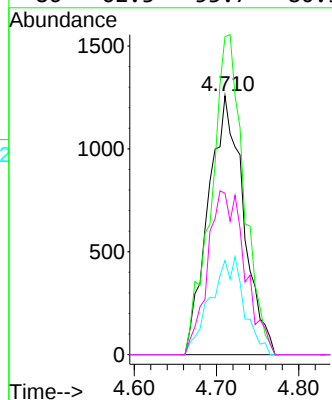


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Instrument :
MSVOA_Y
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P022-SS001-0006-01

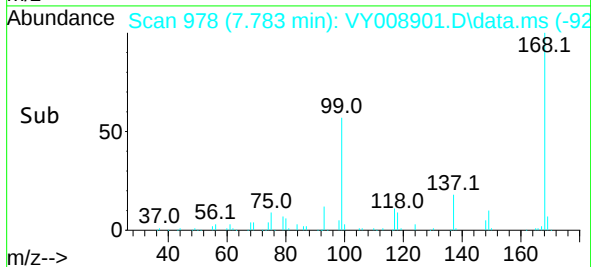
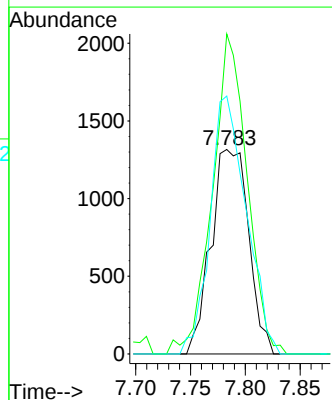
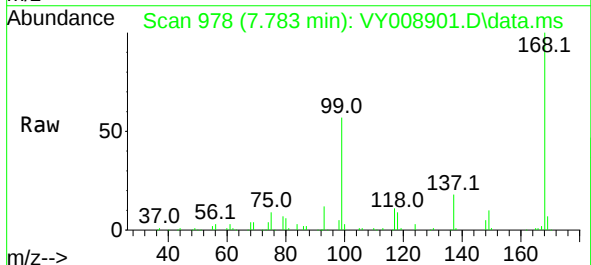


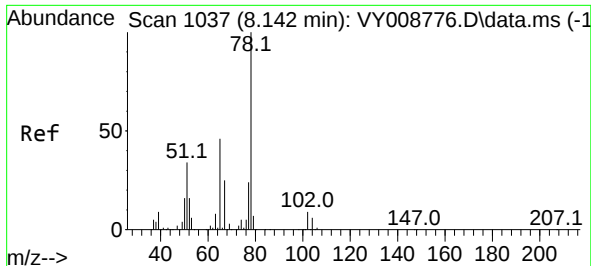
Tgt Ion:	84	Resp:	3744
Ion	Ratio	Lower	Upper
84	100		
49	122.9	114.4	171.6
51	36.4	35.3	52.9
86	62.3	53.7	80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion:	56	Resp:	3147
Ion	Ratio	Lower	Upper
56	100		
69	152.3	26.7	40.1#
84	126.1	67.2	100.8#





#33

1,2-Dichloroethane-d4

Concen: 70.495 ug/l

RT: 8.137 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY008901.D

Acq: 20 May 2022 05:22

Instrument :

MSVOA_Y

ClientSampleId :

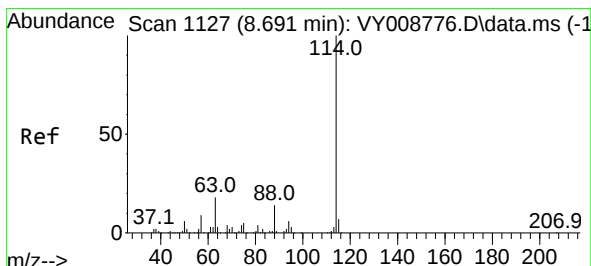
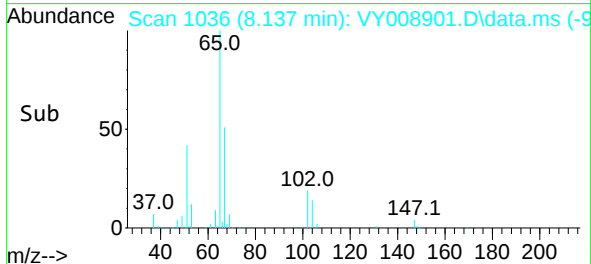
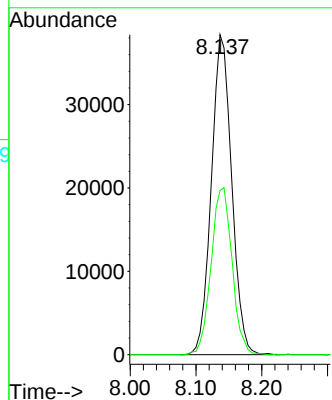
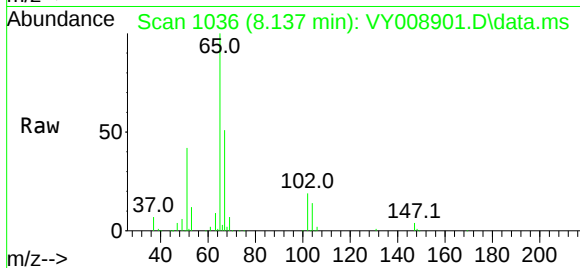
P022-SS001-0006-01

Tgt Ion: 65 Resp: 82625

Ion Ratio Lower Upper

65 100

67 53.7 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: VY008901.D

Acq: 20 May 2022 05:22

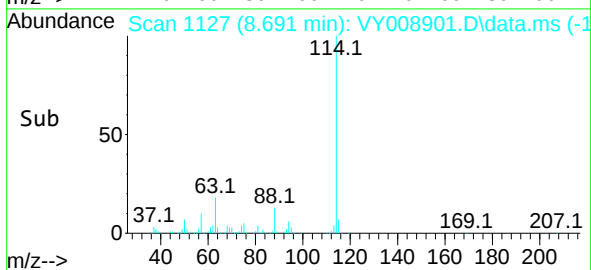
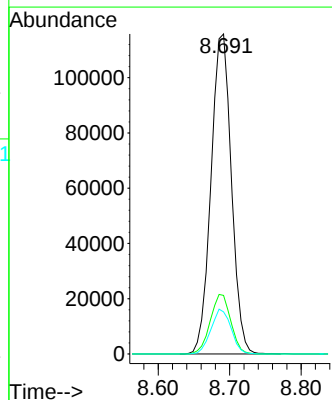
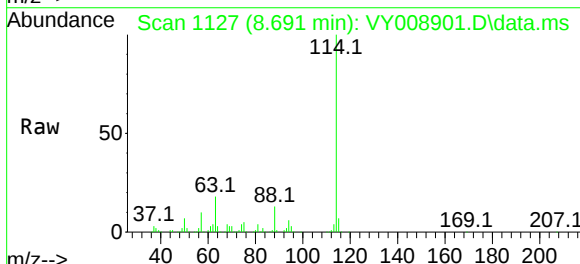
Tgt Ion: 114 Resp: 229177

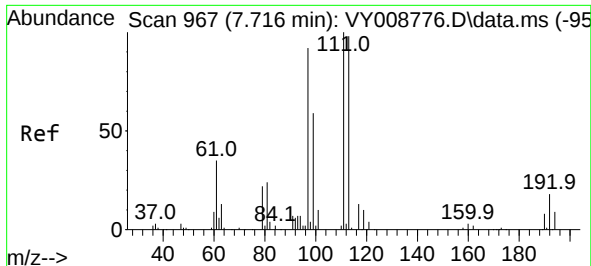
Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 13.2 0.0 31.8

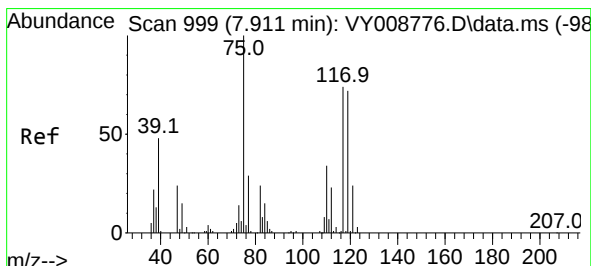
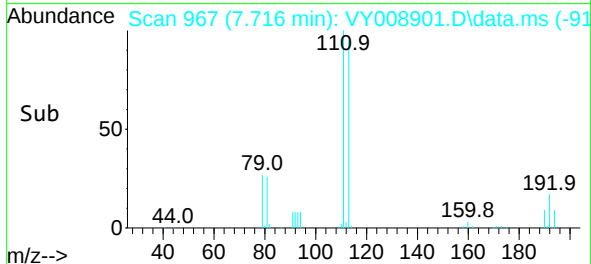
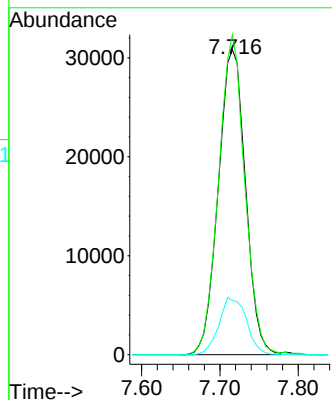
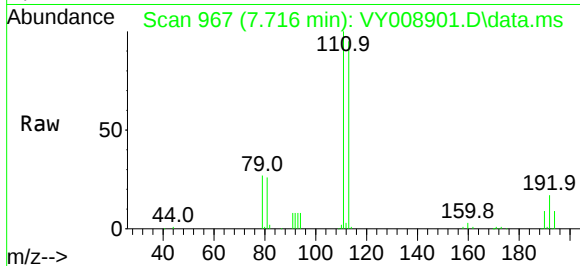




#35
Dibromofluoromethane
Concen: 55.504 ug/l
RT: 7.716 min Scan# 901
Delta R.T. 0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

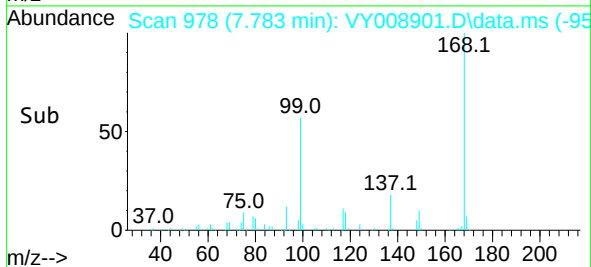
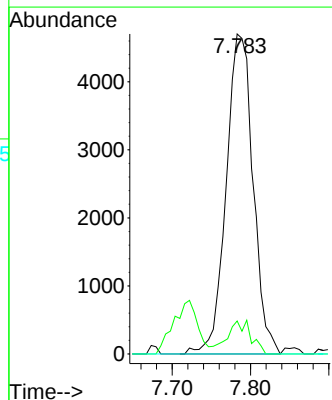
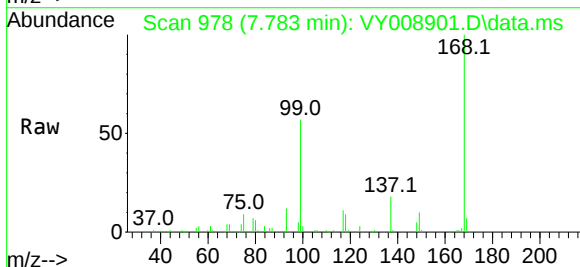
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

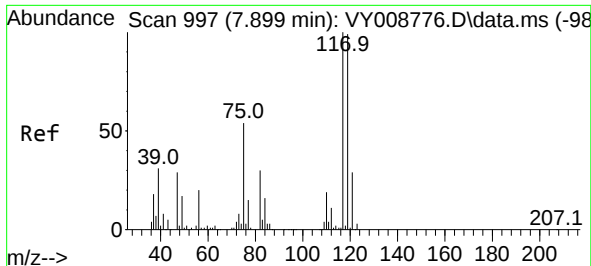
Tgt Ion:113 Resp: 74321
Ion Ratio Lower Upper
113 100
111 101.4 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.230 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion: 75 Resp: 11217
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#

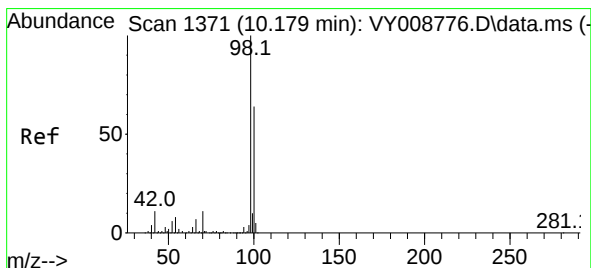
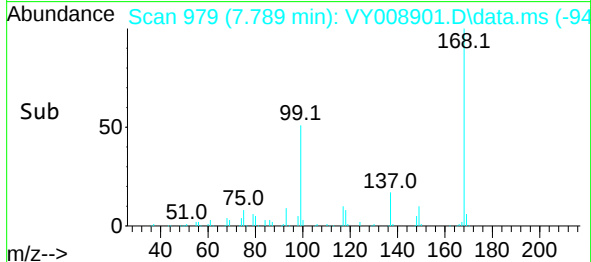
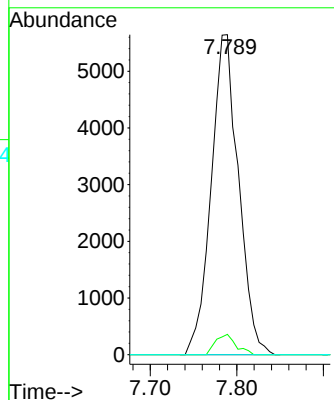
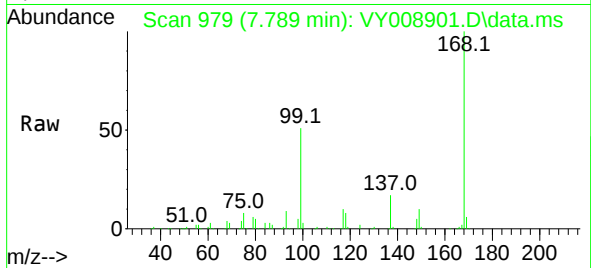




#38
Carbon Tetrachloride
Concen: 5.398 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

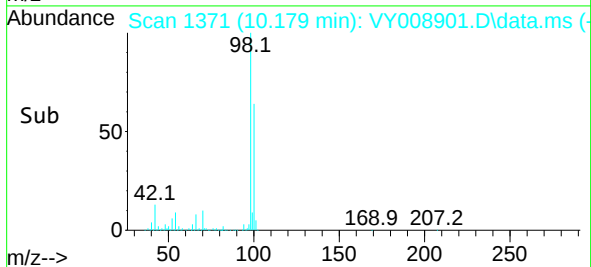
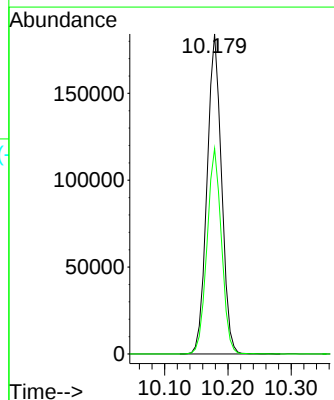
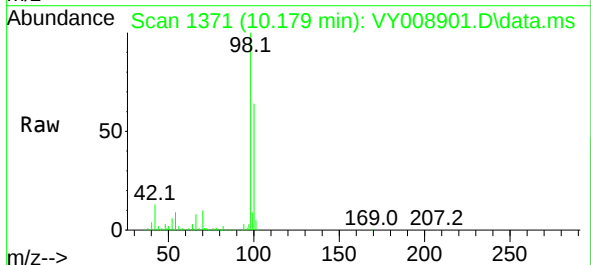
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

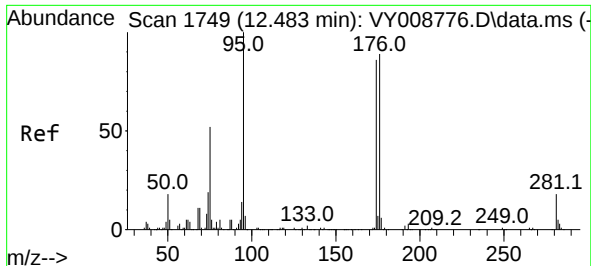
Tgt Ion:117 Resp: 12406
Ion Ratio Lower Upper
117 100
119 6.4 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 49.332 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion: 98 Resp: 293351
Ion Ratio Lower Upper
98 100
100 64.1 50.2 75.2

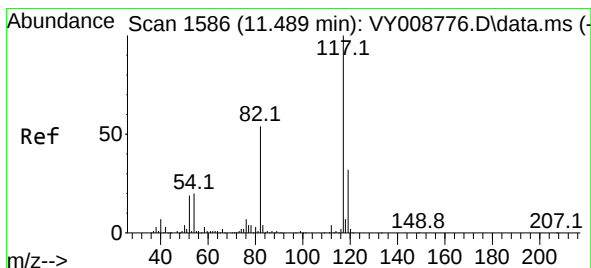
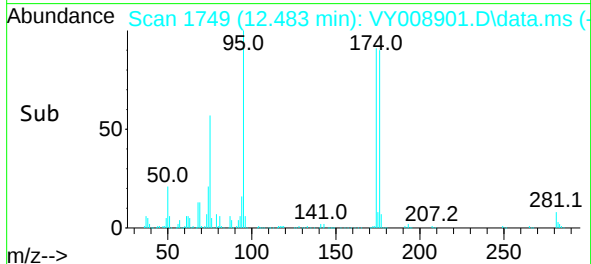
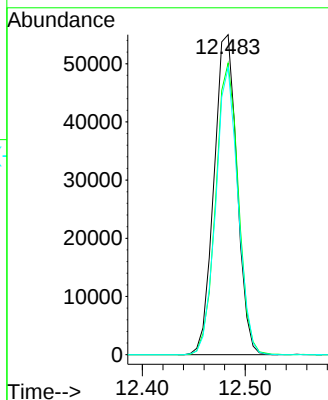
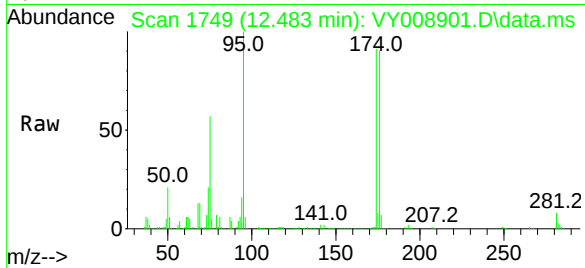




#62
4-Bromofluorobenzene
Concen: 40.795 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

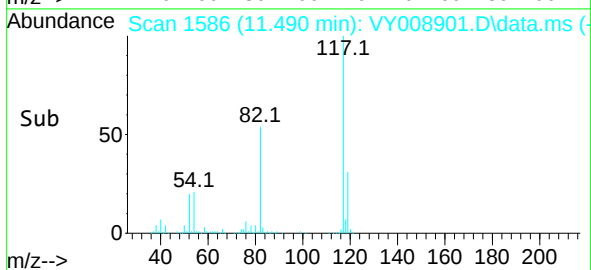
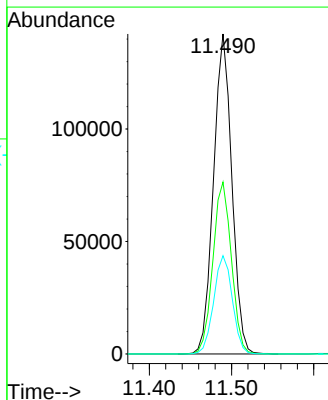
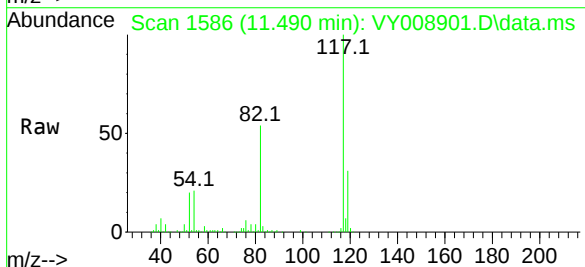
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0006-01

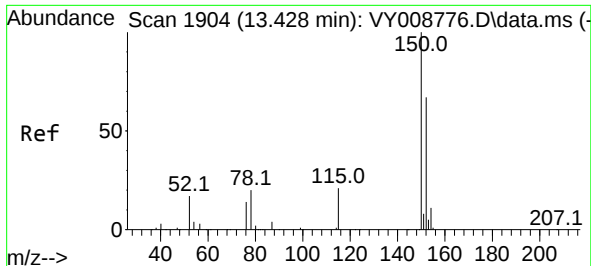
Tgt Ion: 95 Resp: 85185
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.0
176 86.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008901.D
Acq: 20 May 2022 05:22

Tgt Ion: 117 Resp: 220319
Ion Ratio Lower Upper
117 100
82 53.7 43.0 64.4
119 30.7 25.4 38.0

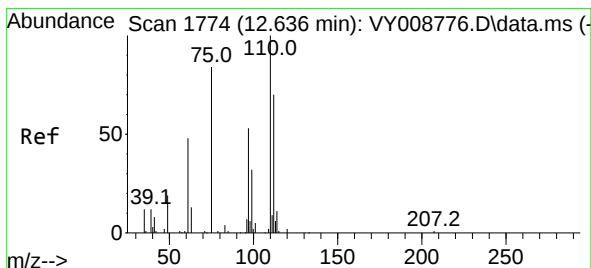
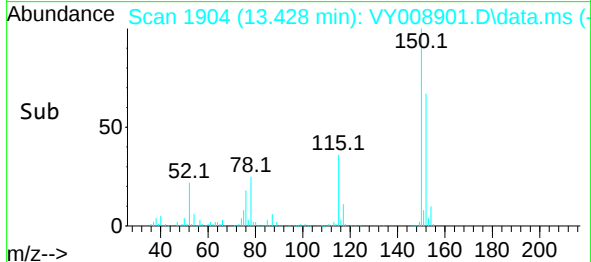
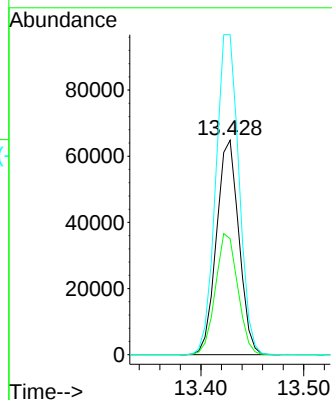
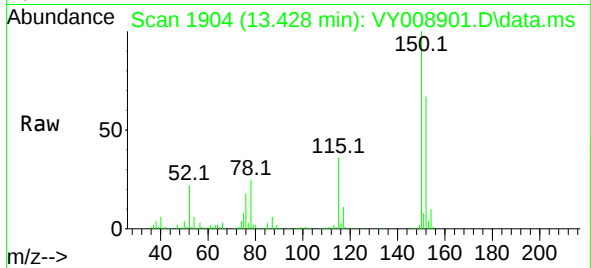




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008901.D
 Acq: 20 May 2022 05:22

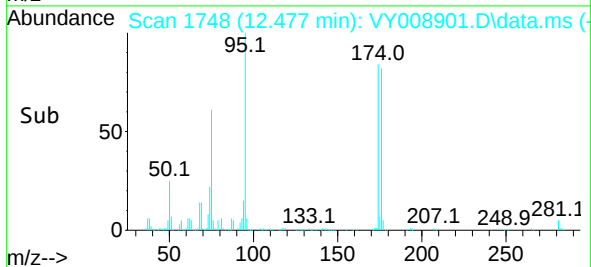
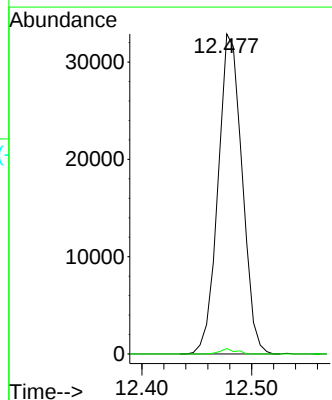
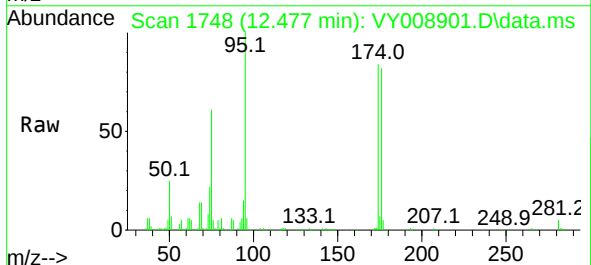
Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-0006-01

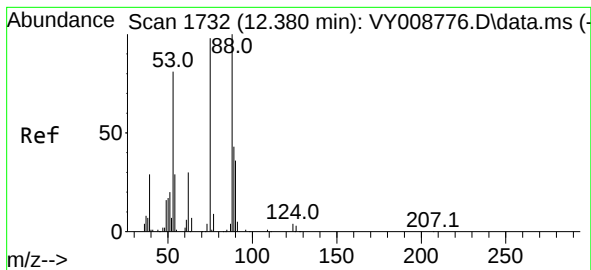
Tgt Ion:152 Resp: 98175
 Ion Ratio Lower Upper
 152 100
 115 56.3 28.2 84.7
 150 153.9 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.202 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY008901.D
 Acq: 20 May 2022 05:22

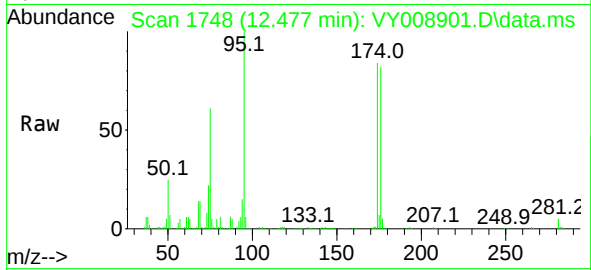
Tgt Ion: 75 Resp: 50128
 Ion Ratio Lower Upper
 75 100
 77 1.1 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 96.683 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY008901.D
 Acq: 20 May 2022 05:22

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-0006-01



Tgt Ion: 75 Resp: 50128
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.1 37.0 55.4#

