

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008902.D
 Acq On : 20 May 2022 05:46
 Operator : KP/MD
 Sample : N2868-12
 Misc : 5.97g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 50 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-0612-01

Quant Time: May 20 08:22:04 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)

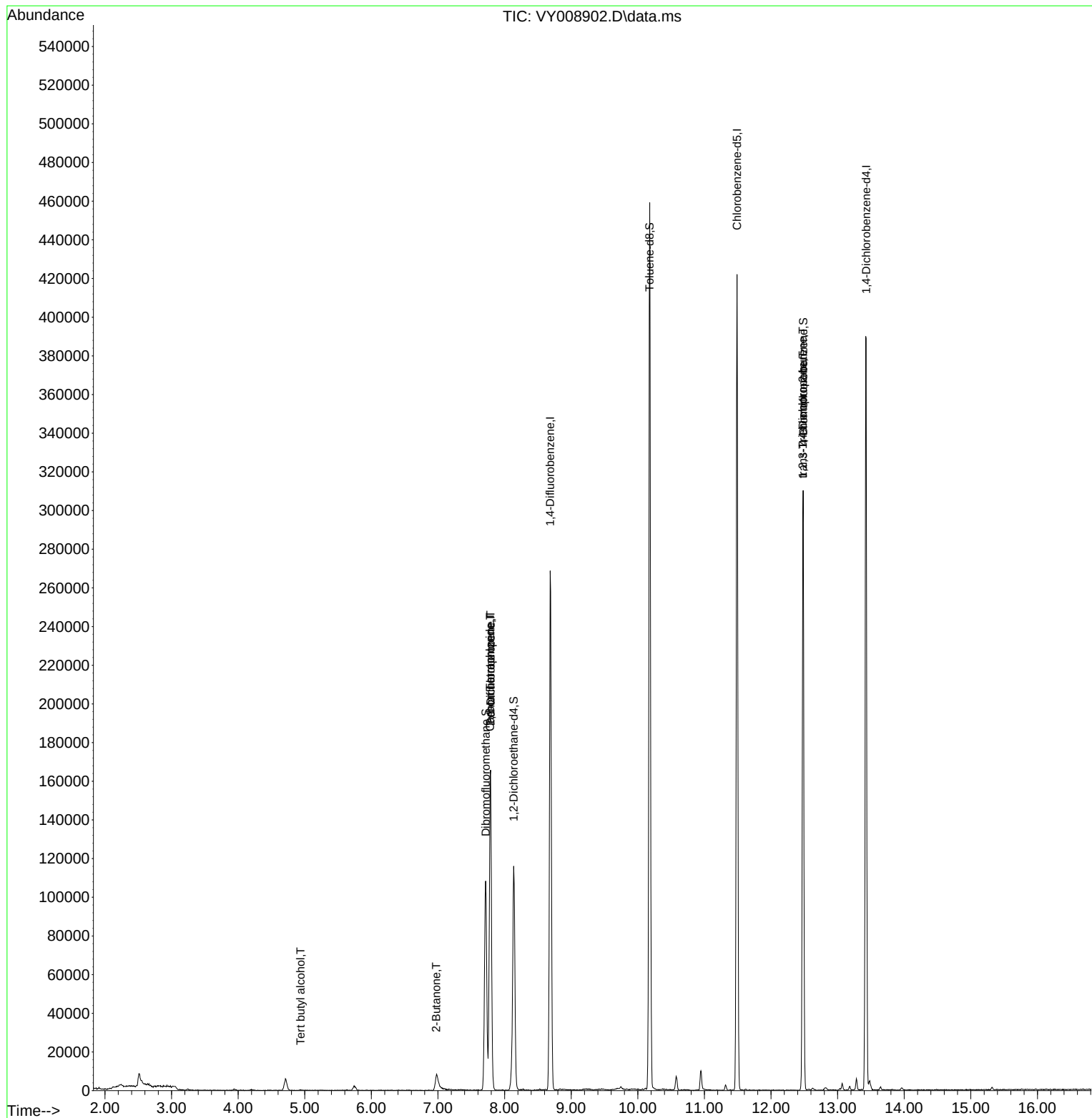
Internal Standards						
1) Pentafluorobenzene	7.789	168	125619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218104	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95581	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	81840	70.226	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 140.460%	
35) Dibromofluoromethane	7.716	113	72612	55.320	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.640%	
50) Toluene-d8	10.179	98	287512	49.325	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.640%	
62) 4-Bromofluorobenzene	12.483	95	82841	40.500	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 81.000%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	361	Below Cal		93
3) Chloromethane	2.113	50	143	Below Cal	#	44
4) Vinyl Chloride	2.223	62	62	Below Cal	#	43
5) Bromomethane	2.662	94	45	Below Cal	#	4
6) Chloroethane	2.863	64	19	Below Cal	#	1
7) Trichlorofluoromethane	3.119	101	48	Below Cal	#	21
11) Tert butyl alcohol	4.936	59	251	1.949 ug/l	#	77
16) Acetone	3.948	43	826	Below Cal	#	76
18) Methyl Acetate	4.241	43	21	Below Cal	#	56
20) Methylene Chloride	4.710	84	3987	Below Cal		88
25) 2-Butanone	6.972	43	566	1.157 ug/l	#	54
31) Cyclohexane	7.783	56	2971	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	11521	5.480 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	12764	5.665 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	47000	42.569 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47000	93.110 ug/l	#	7

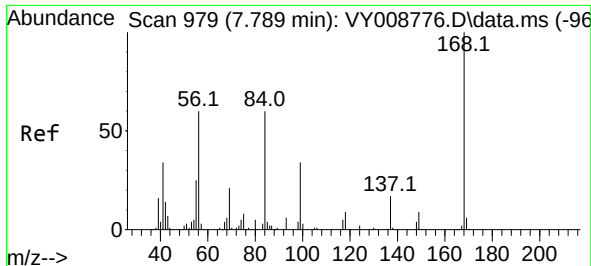
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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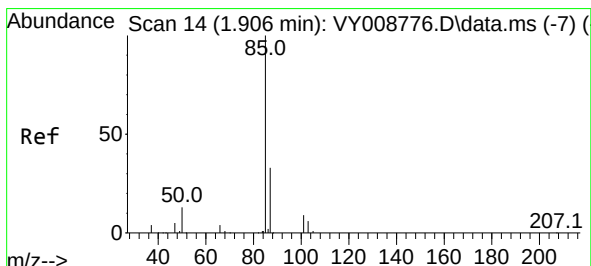
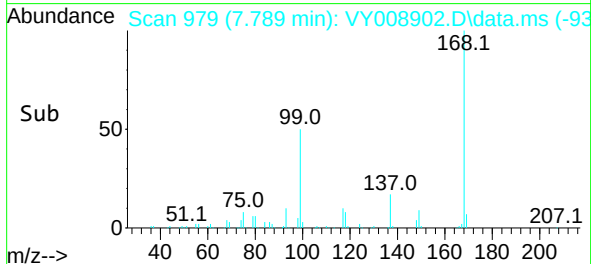
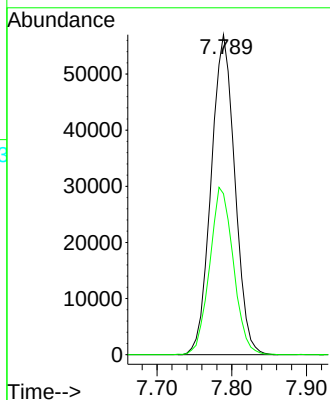
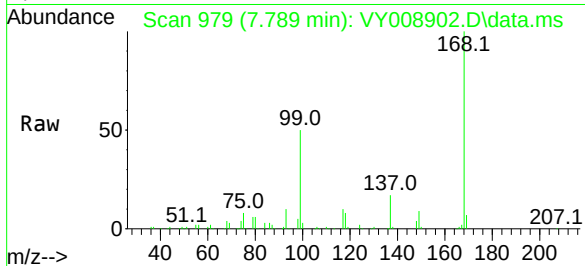




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

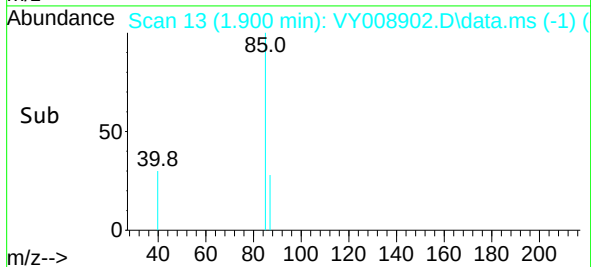
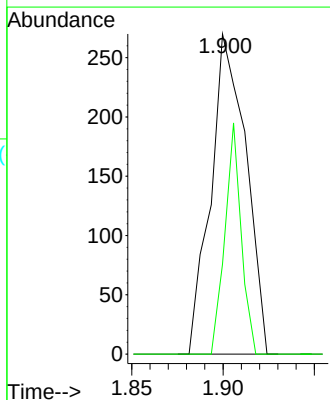
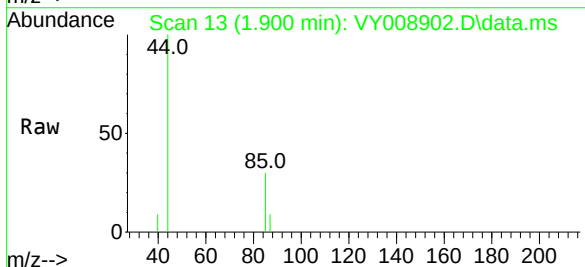
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

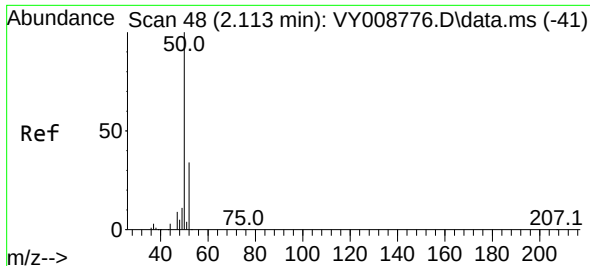
Tgt Ion:168 Resp: 125619
Ion Ratio Lower Upper
168 100
99 50.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 85 Resp: 361
Ion Ratio Lower Upper
85 100
87 28.1 16.1 48.2

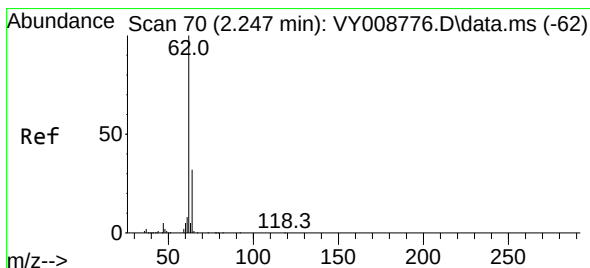
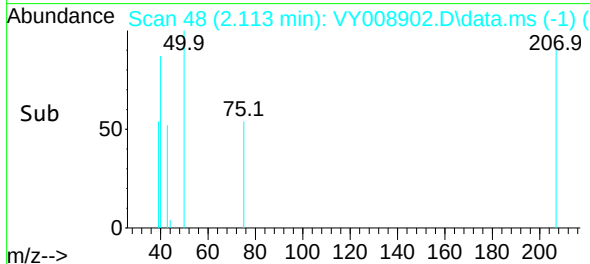
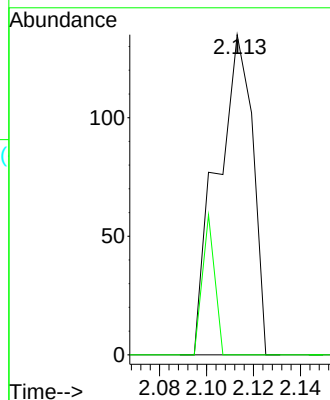
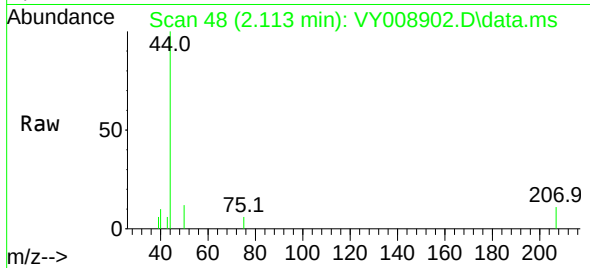




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

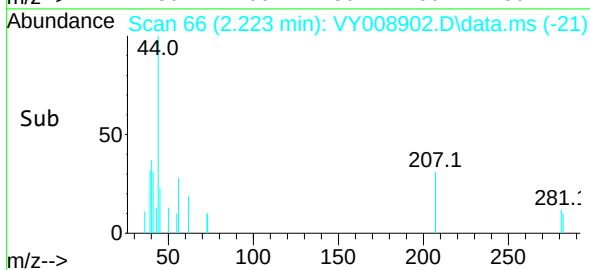
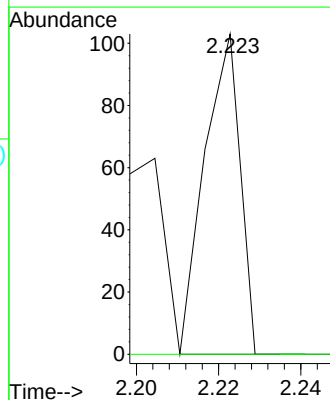
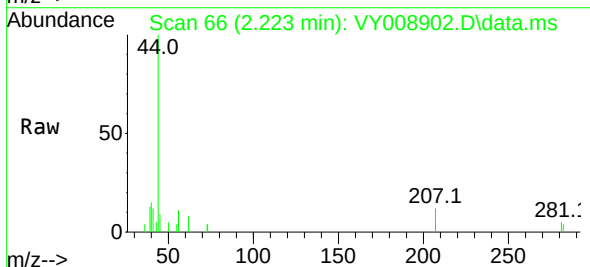
Instrument :
MSVOA_Y
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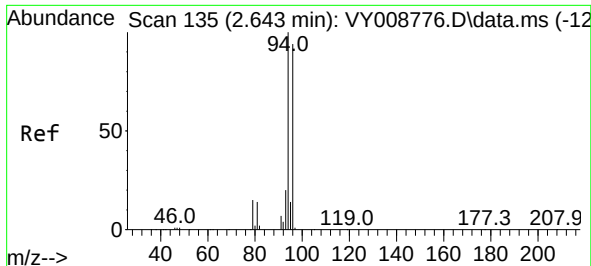
Tgt Ion: 50 Resp: 143
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.223 min Scan# 66
Delta R.T. -0.024 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

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

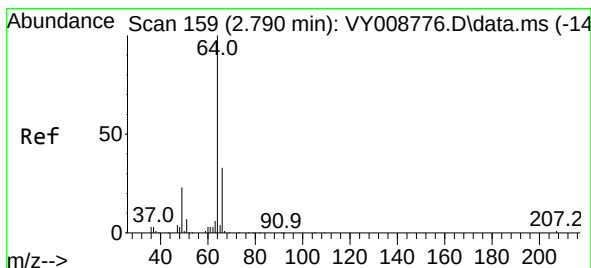
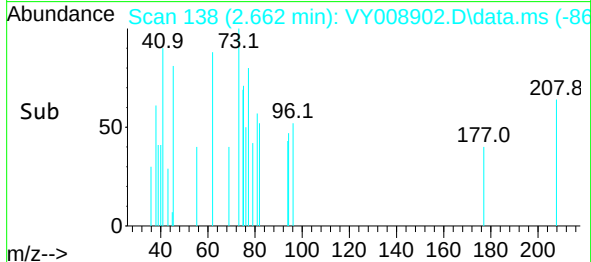
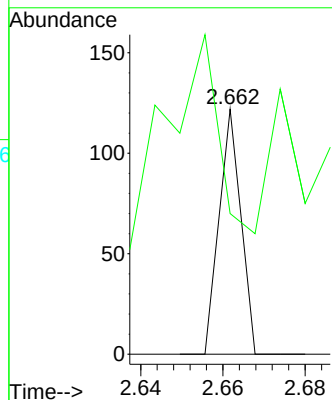
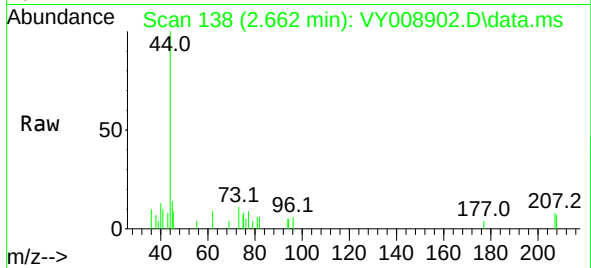




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.019 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

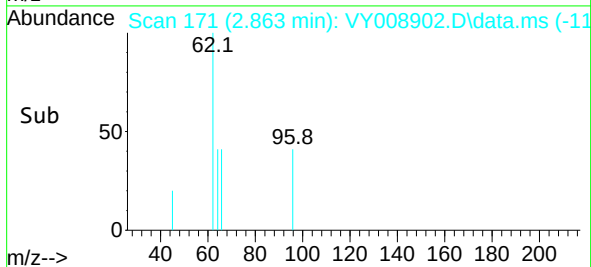
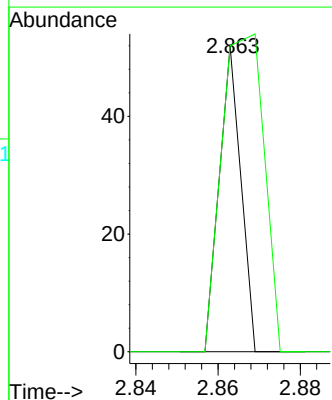
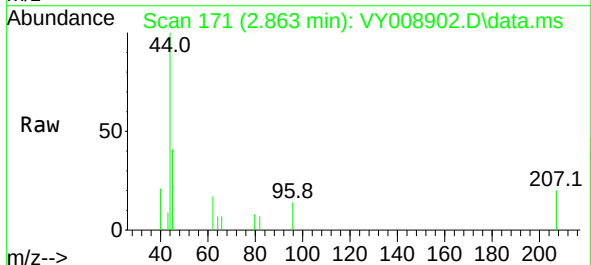
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

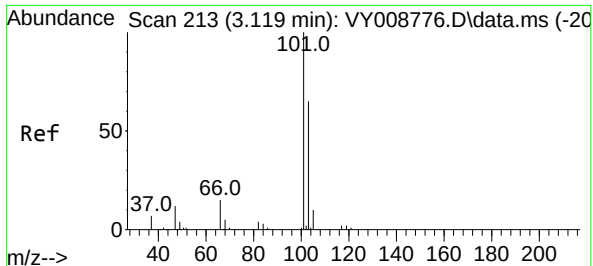
Tgt Ion: 94 Resp: 45
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.863 min Scan# 171
Delta R.T. 0.073 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 64 Resp: 19
Ion Ratio Lower Upper
64 100
66 100.0 25.4 38.0#

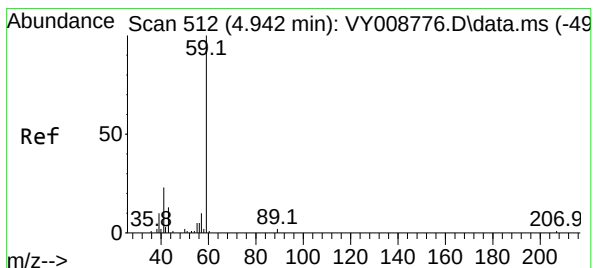
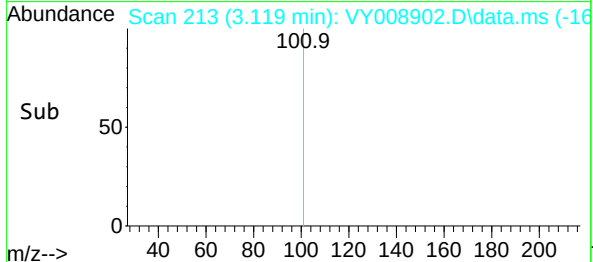
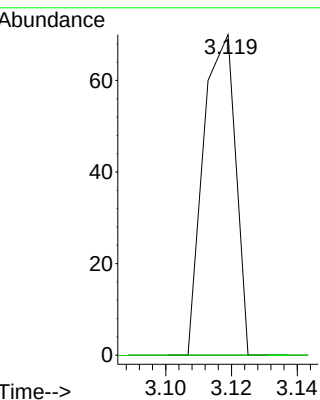
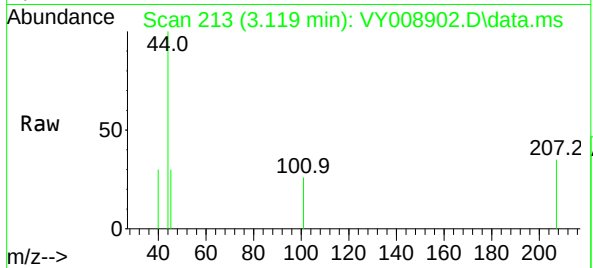




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.119 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY008902.D
 Acq: 20 May 2022 05:46

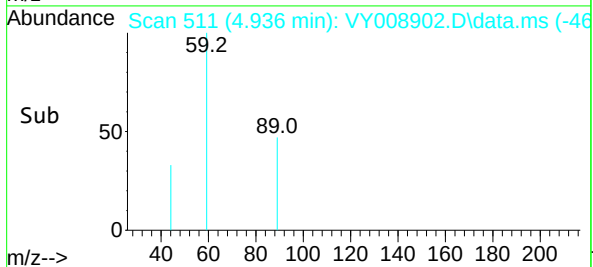
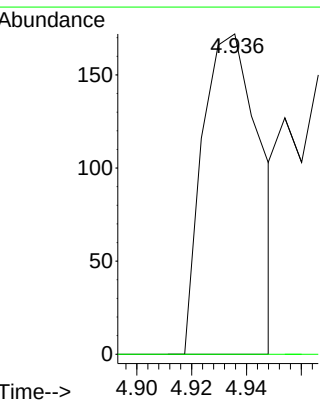
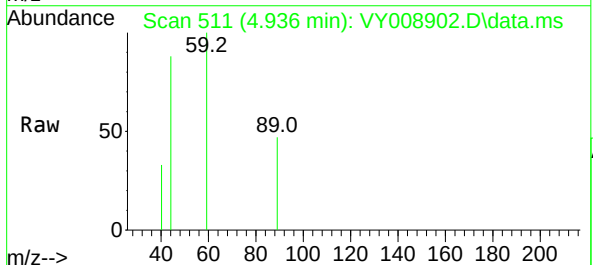
Instrument :
 MSVOA_Y
 ClientSampleId :
 P022-SS001-0612-01

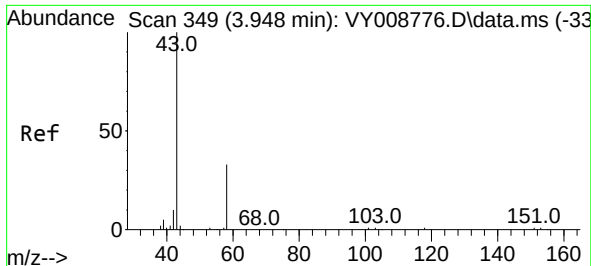
Tgt Ion:101 Resp: 48
 Ion Ratio Lower Upper
 101 100
 103 0.0 48.0 72.0#



#11
 Tert butyl alcohol
 Concen: 1.949 ug/l
 RT: 4.936 min Scan# 511
 Delta R.T. -0.006 min
 Lab File: VY008902.D
 Acq: 20 May 2022 05:46

Tgt Ion: 59 Resp: 251
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.4 9.6#

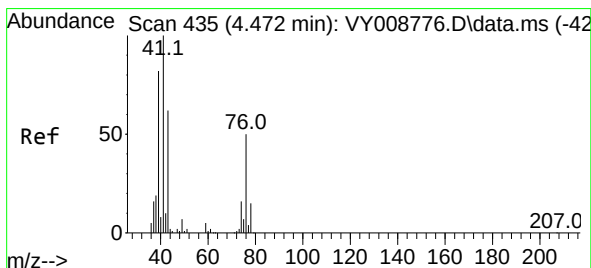
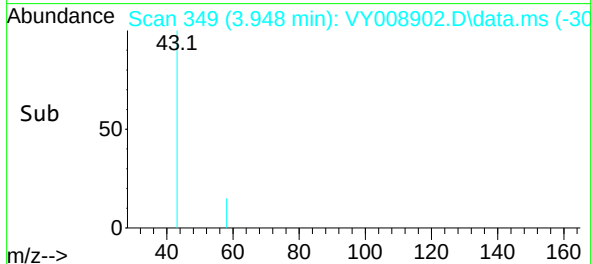
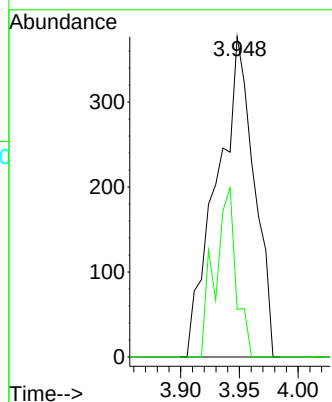
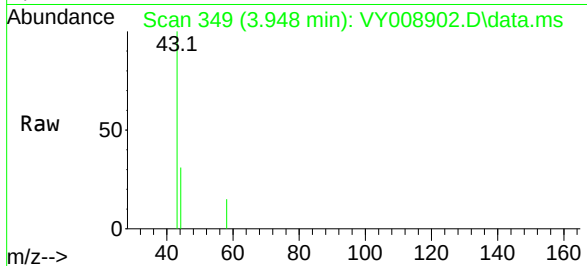




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 34
Delta R.T. 0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

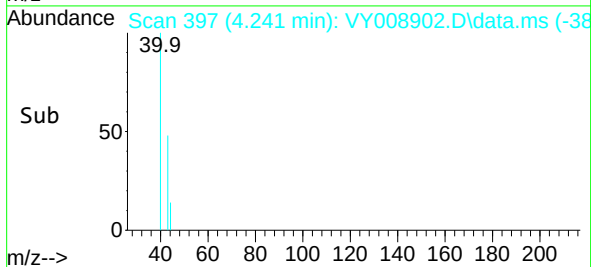
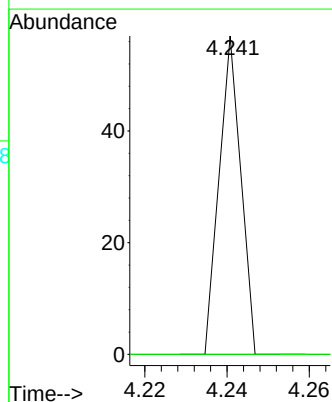
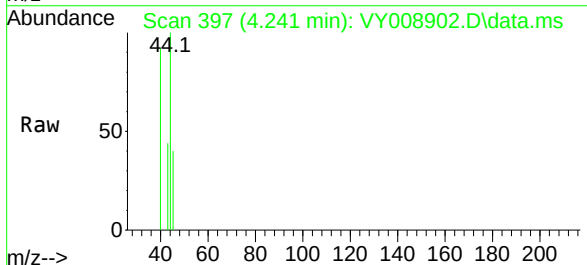
Instrument :
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ClientSampleId :
P022-SS001-0612-01

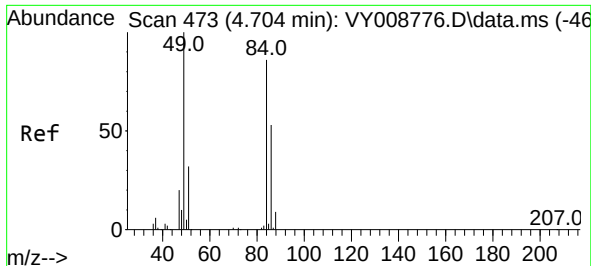
Tgt Ion: 43 Resp: 826
Ion Ratio Lower Upper
43 100
58 14.9 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.241 min Scan# 397
Delta R.T. -0.231 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

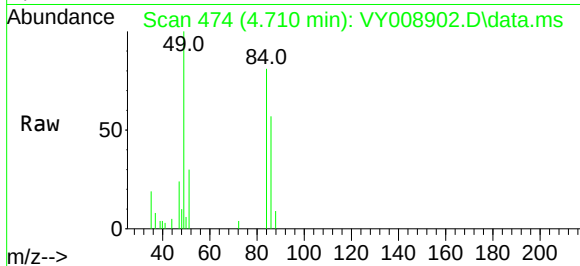
Tgt Ion: 43 Resp: 21
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





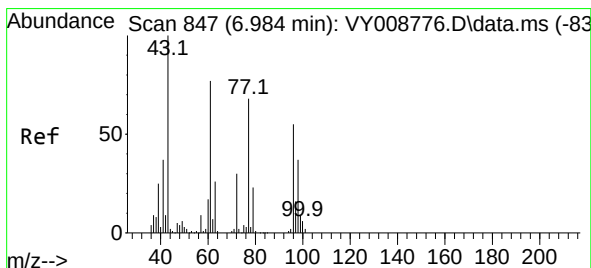
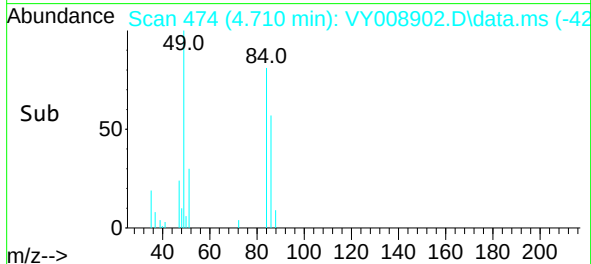
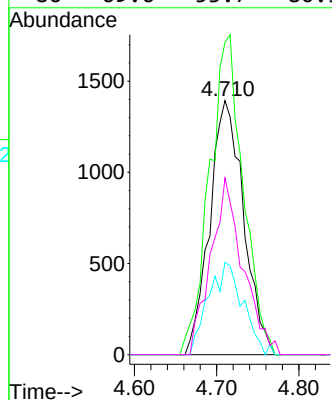
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01



Tgt Ion: 84 Resp: 3987

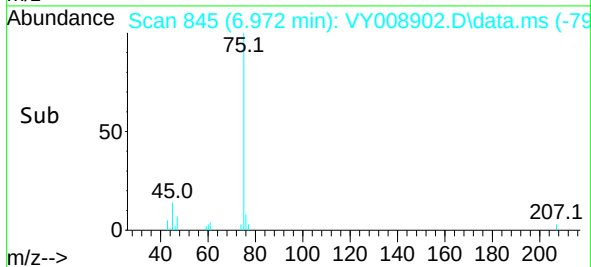
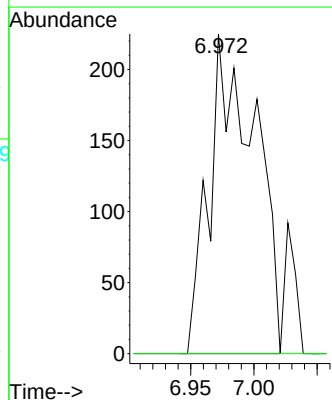
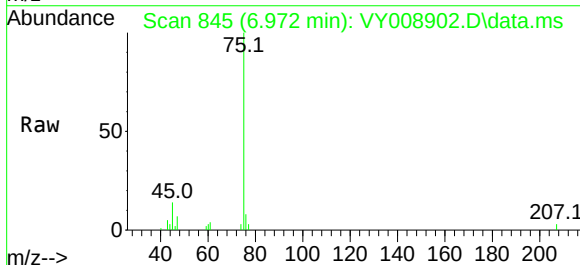
Ion	Ratio	Lower	Upper
84	100		
49	123.0	114.4	171.6
51	36.3	35.3	52.9
86	69.6	53.7	80.5

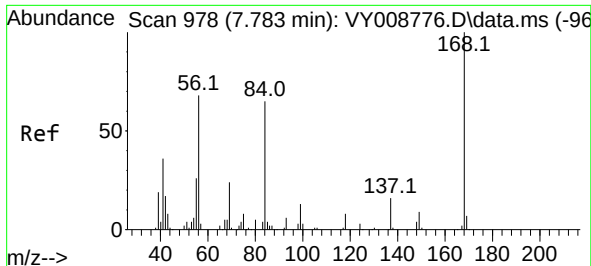


#25
2-Butanone
Concen: 1.157 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 43 Resp: 566

Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

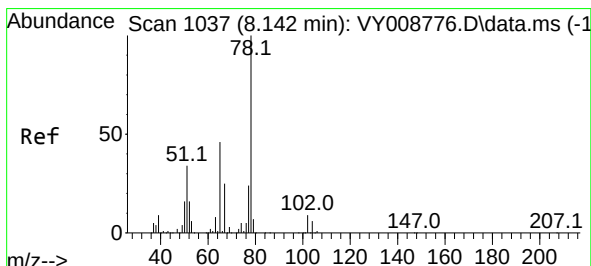
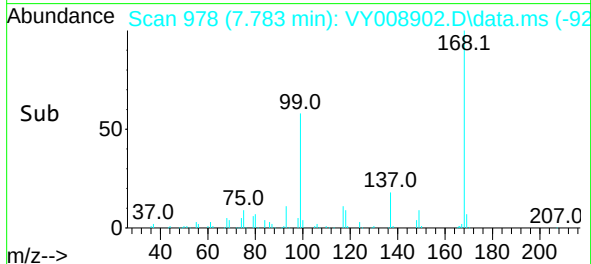
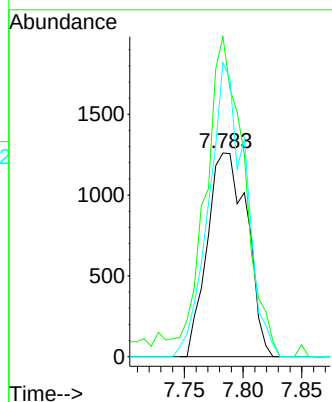
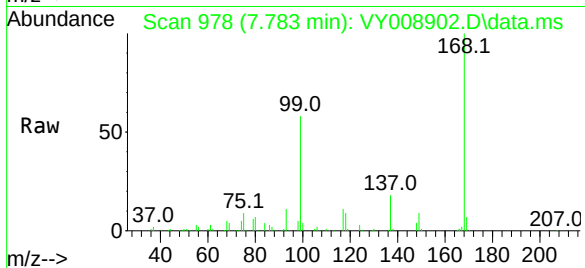




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

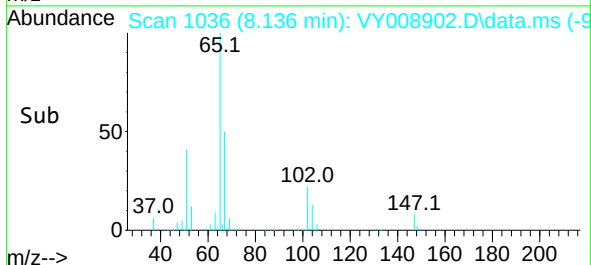
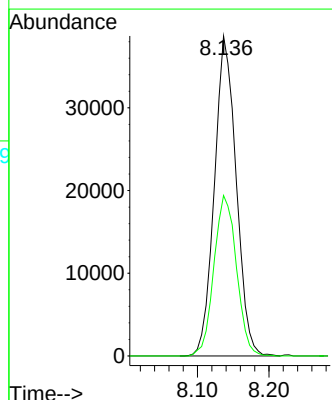
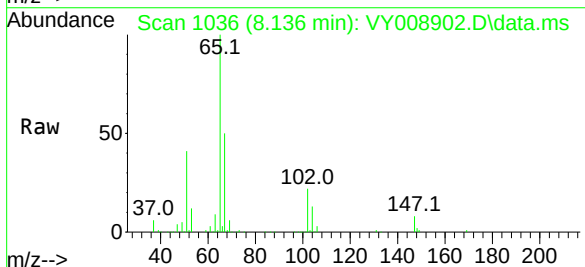
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

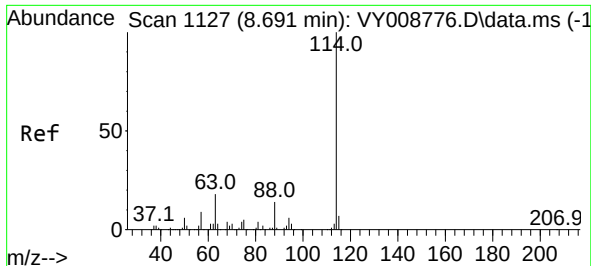
Tgt Ion: 56 Resp: 2971
Ion Ratio Lower Upper
56 100
69 157.1 26.7 40.1#
84 144.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.226 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 65 Resp: 81840
Ion Ratio Lower Upper
65 100
67 51.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008902.D

Acq: 20 May 2022 05:46

Instrument :

MSVOA_Y

ClientSampleId :

P022-SS001-0612-01

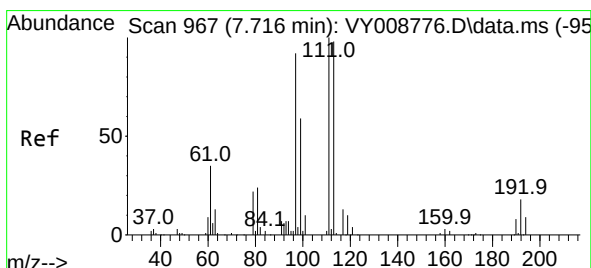
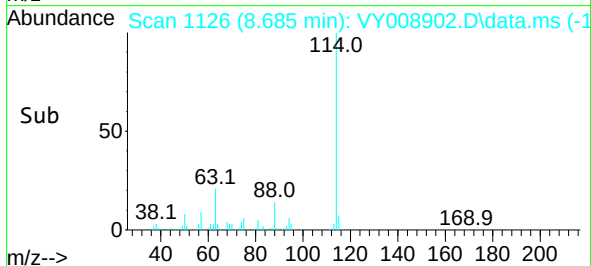
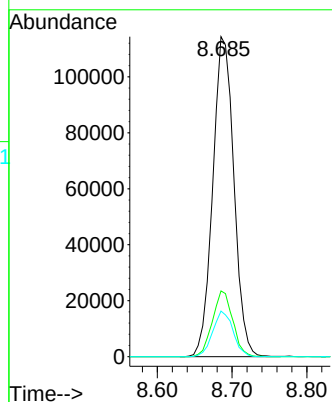
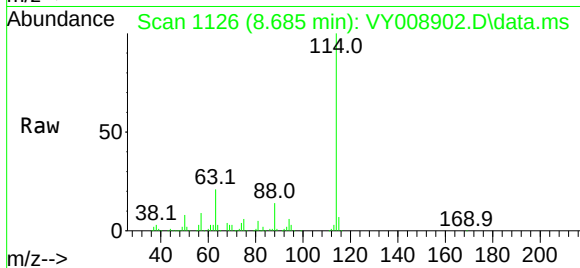
Tgt Ion:114 Resp: 224649

Ion Ratio Lower Upper

114 100

63 20.5 0.0 43.2

88 14.3 0.0 31.8



#35

Dibromofluoromethane

Concen: 55.320 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008902.D

Acq: 20 May 2022 05:46

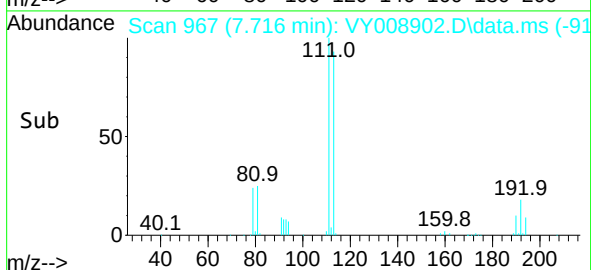
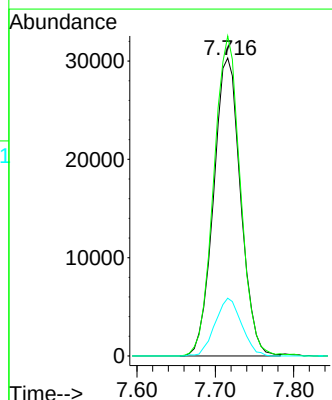
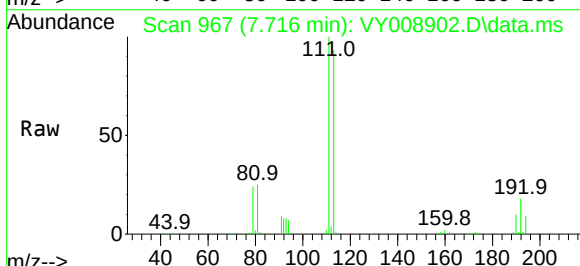
Tgt Ion:113 Resp: 72612

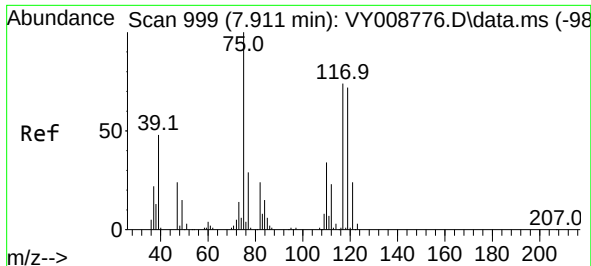
Ion Ratio Lower Upper

113 100

111 105.6 82.6 124.0

192 19.1 17.6 26.4

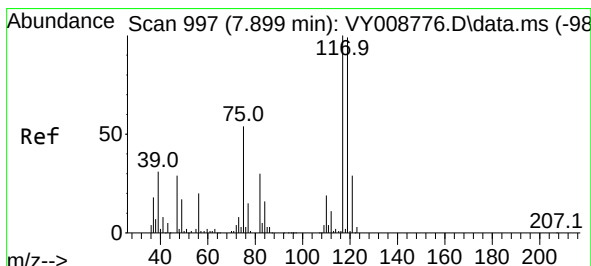
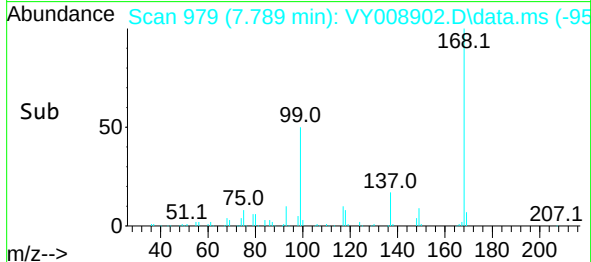
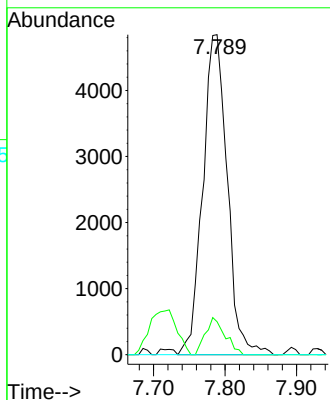
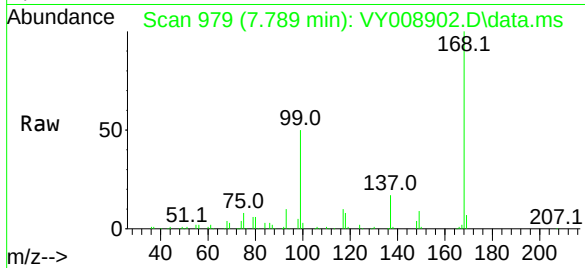




#36
1,1-Dichloropropene
Concen: 5.480 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

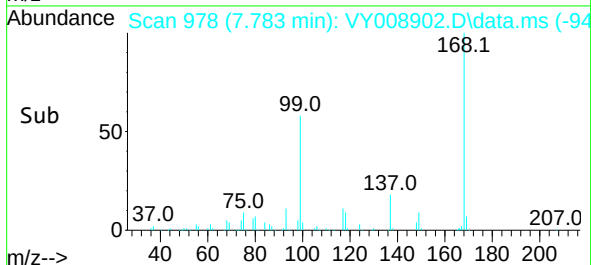
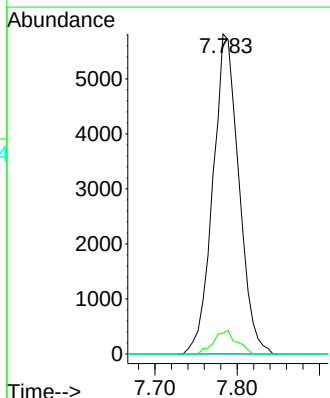
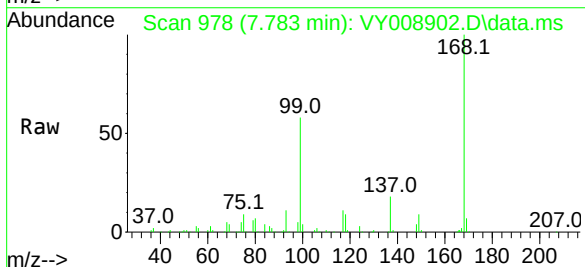
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

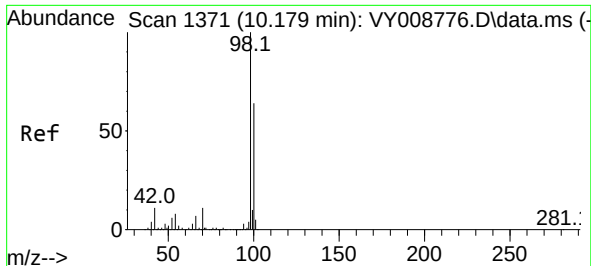
Tgt Ion: 75 Resp: 11521
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.665 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 117 Resp: 12764
Ion Ratio Lower Upper
117 100
119 6.5 77.9 116.9#
121 0.0 24.8 37.2#

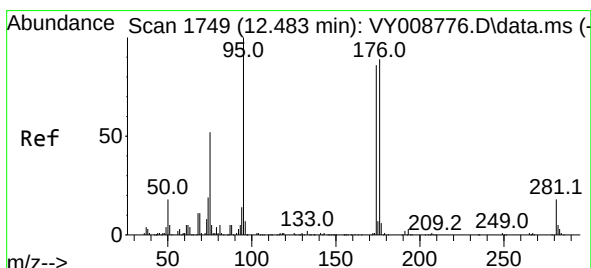
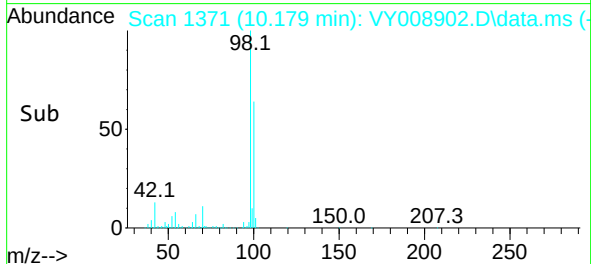
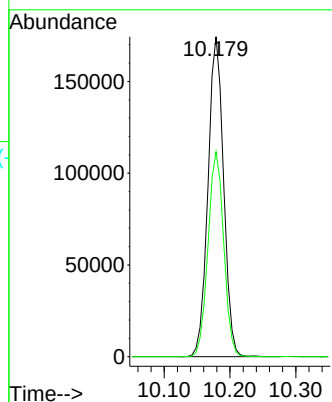
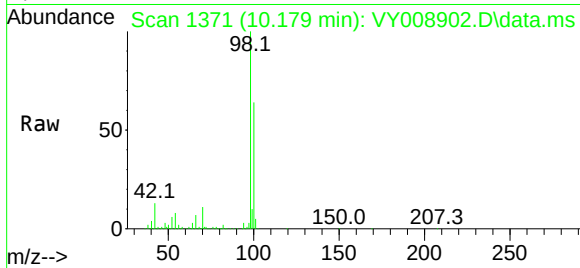




#50
Toluene-d8
Concen: 49.325 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

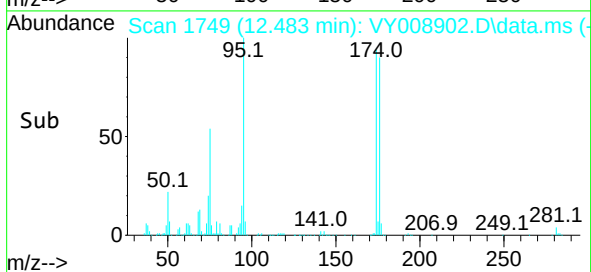
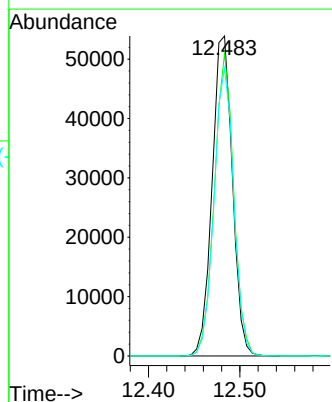
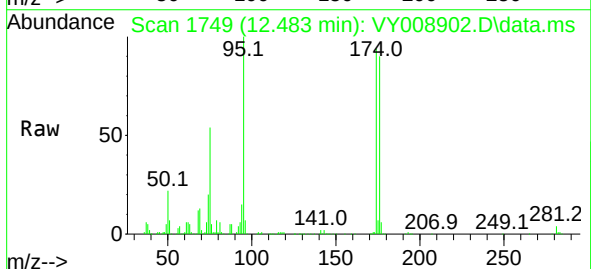
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

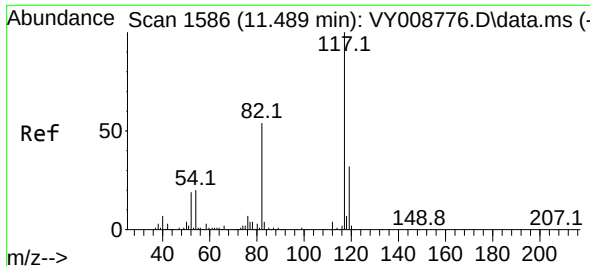
Tgt Ion: 98 Resp: 287512
Ion Ratio Lower Upper
98 100
100 64.4 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.500 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 95 Resp: 82841
Ion Ratio Lower Upper
95 100
174 90.7 0.0 177.0
176 87.9 0.0 175.8

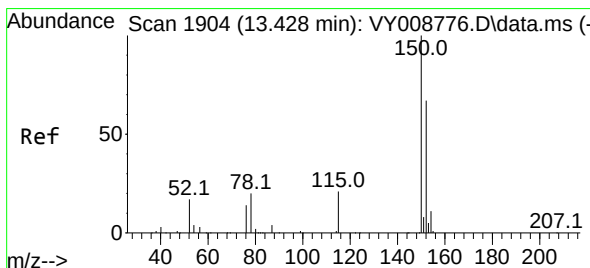
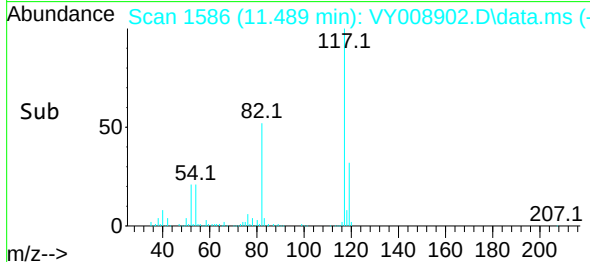
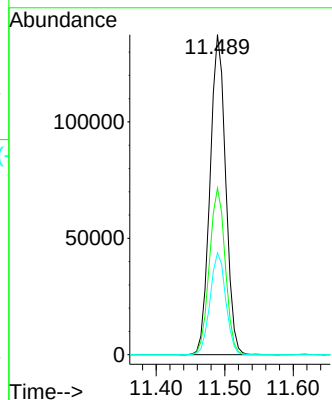
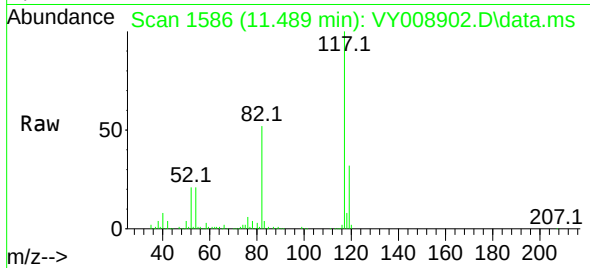




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

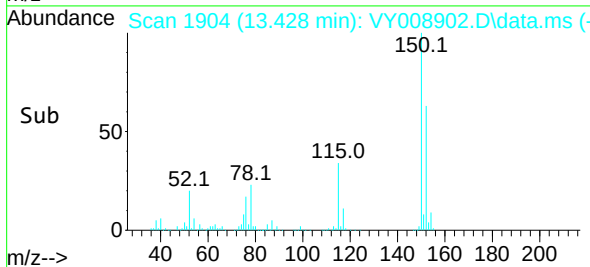
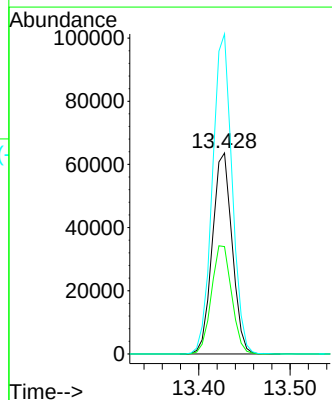
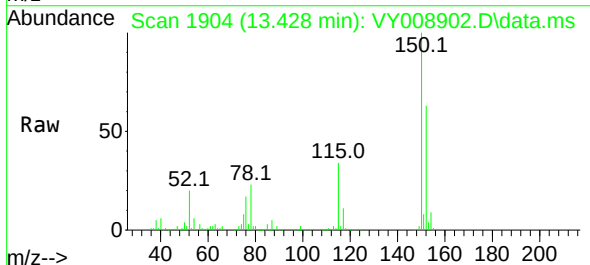
Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

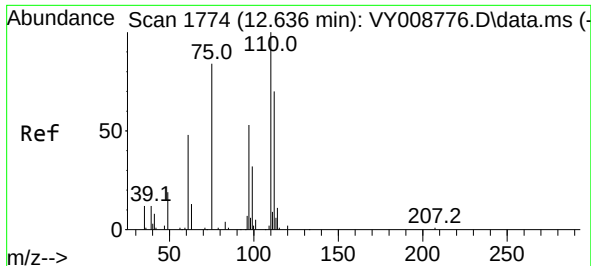
Tgt Ion:117 Resp: 218104
Ion Ratio Lower Upper
117 100
82 52.1 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion:152 Resp: 95581
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 158.1 0.0 347.6

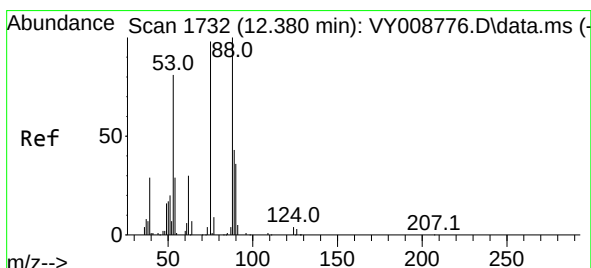
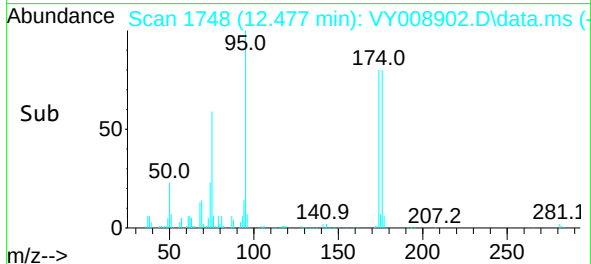
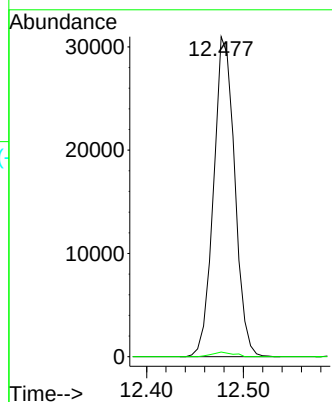
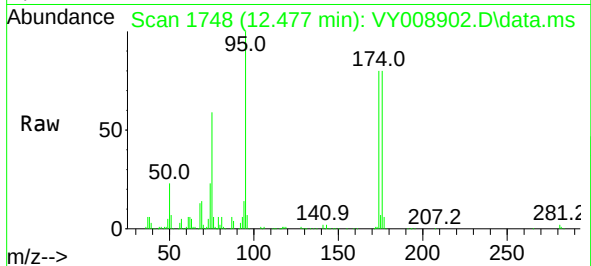




#76
1,2,3-Trichloropropane
Concen: 42.569 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Instrument :
MSVOA_Y
ClientSampleId :
P022-SS001-0612-01

Tgt Ion: 75 Resp: 47000
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.110 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008902.D
Acq: 20 May 2022 05:46

Tgt Ion: 75 Resp: 47000
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

