

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008823.D
 Acq On : 18 May 2022 18:50
 Operator : KP/MD
 Sample : N2841-16
 Misc : 5.73g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-0006-01

Quant Time: May 19 03:12:42 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)

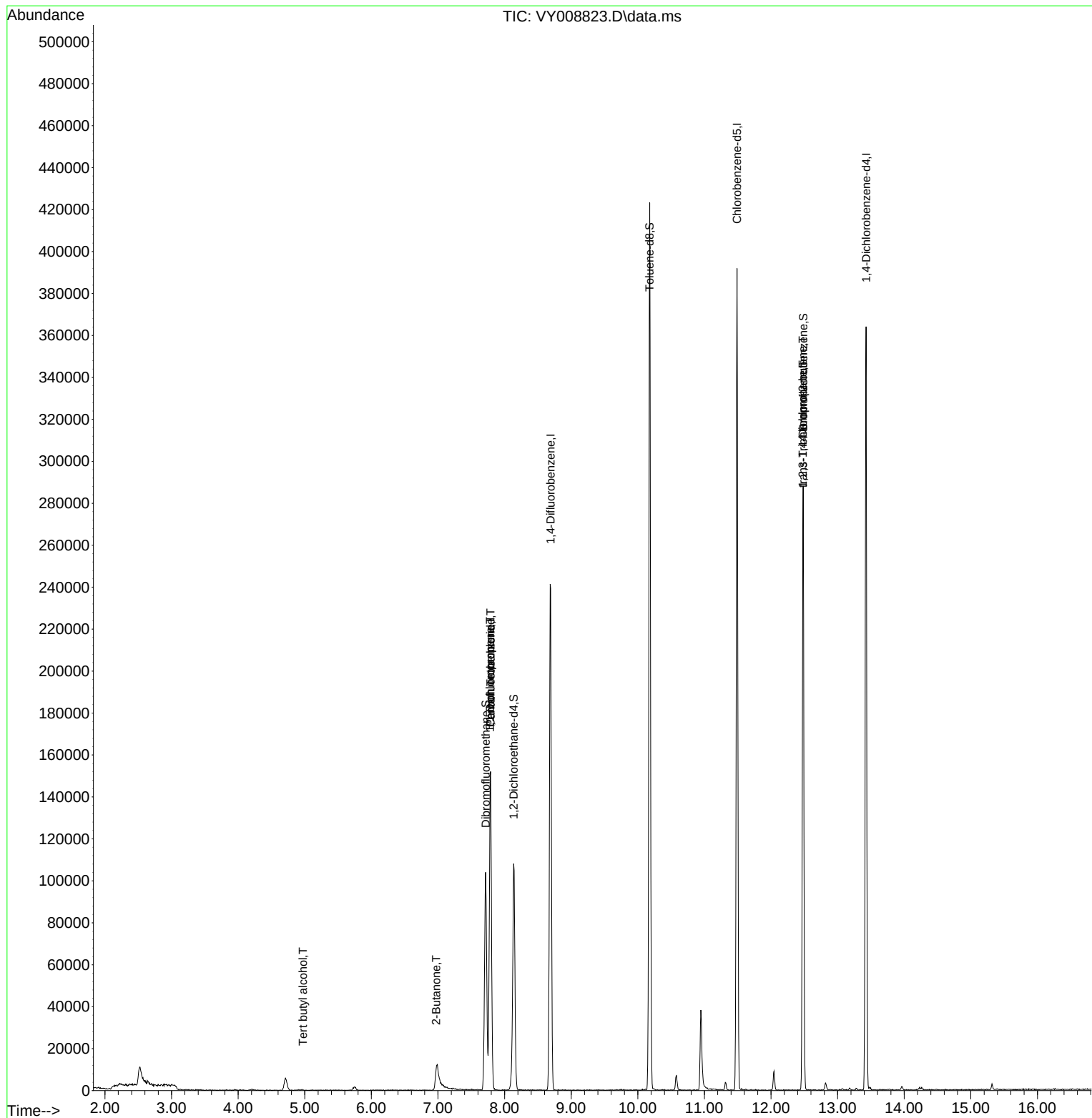
Internal Standards						
1) Pentafluorobenzene	7.789	168	115806	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	209720	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	203126	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88525	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77828	72.443	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 144.880%	
35) Dibromofluoromethane	7.716	113	69279	56.538	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.080%	
50) Toluene-d8	10.179	98	266233	48.951	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.900%	
62) 4-Bromofluorobenzene	12.483	95	77005	40.341	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.680%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	349	Below Cal	#	43
3) Chloromethane	2.119	50	154	Below Cal	#	44
4) Vinyl Chloride	2.235	62	127	Below Cal	#	43
5) Bromomethane	2.668	94	116	Below Cal	#	4
6) Chloroethane	2.680	64	30	Below Cal	#	43
7) Trichlorofluoromethane	3.131	101	102	Below Cal	#	21
11) Tert butyl alcohol	4.972	59	264	2.223 ug/l	#	77
16) Acetone	3.960	43	281	Below Cal	#	72
18) Methyl Acetate	4.424	43	20	Below Cal	#	56
20) Methylene Chloride	4.710	84	4553	Below Cal	#	77
25) 2-Butanone	6.972	43	660	1.464 ug/l	#	54
31) Cyclohexane	7.783	56	2826	Below Cal	#	24
36) 1,1-Dichloropropene	7.783	75	9678	4.931 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	11963	5.688 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	44002	43.030 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	44002	94.119 ug/l	#	7

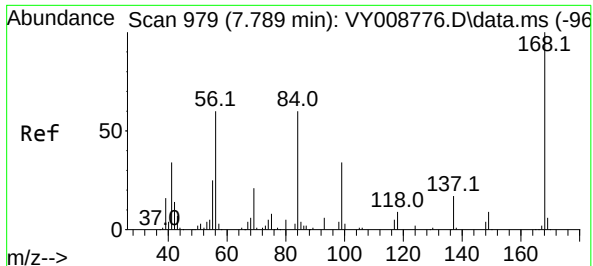
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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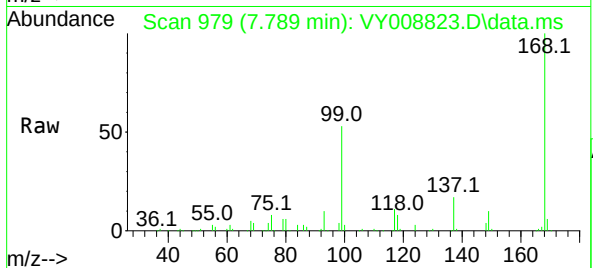
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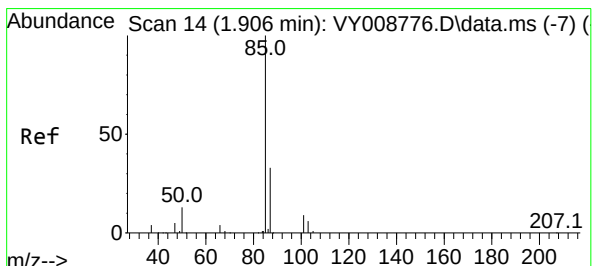
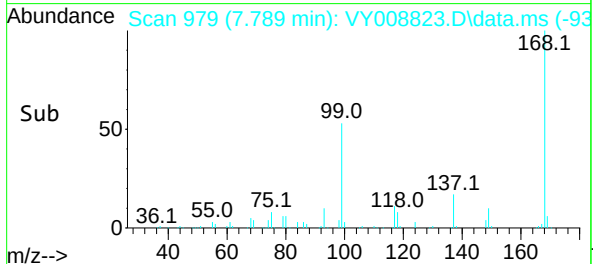
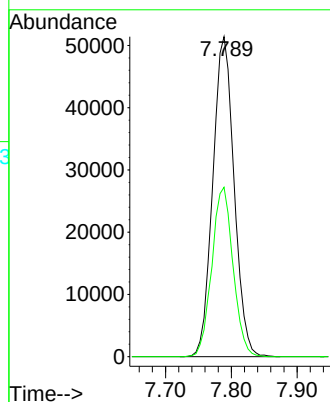


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

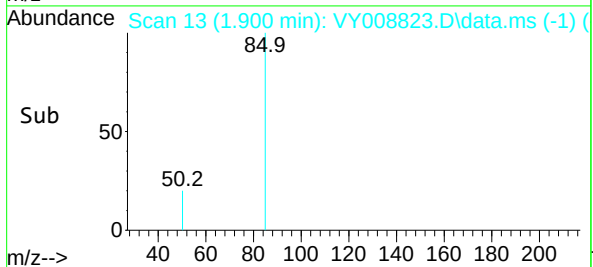
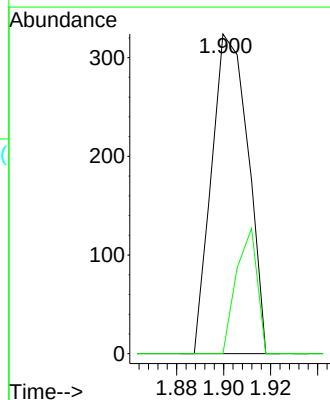
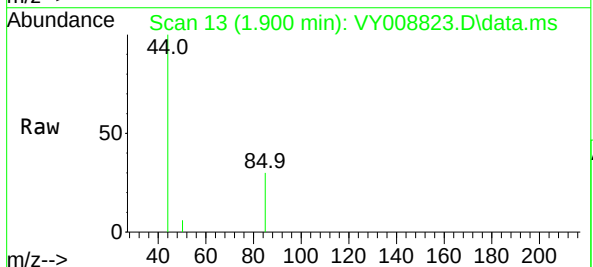


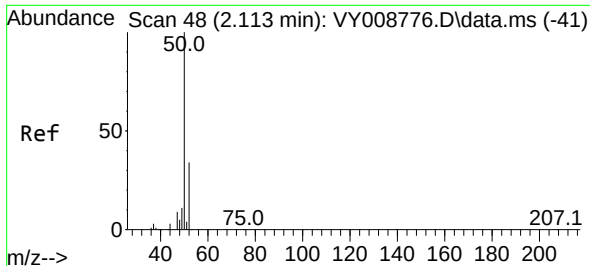
Tgt Ion:168 Resp: 115806
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion: 85 Resp: 349
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

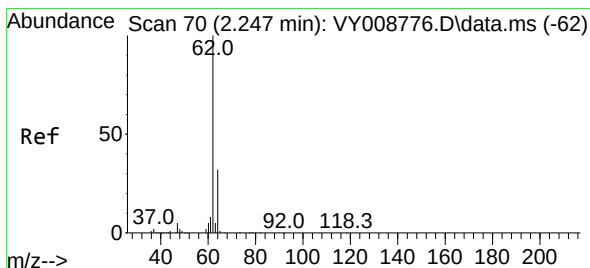
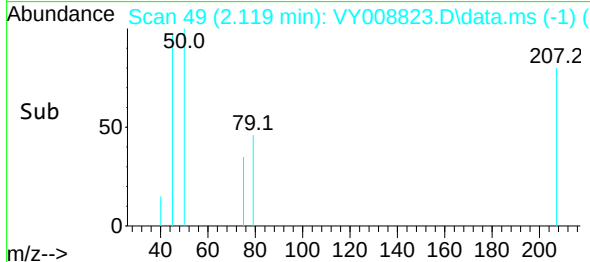
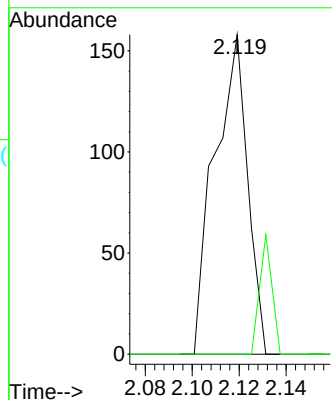
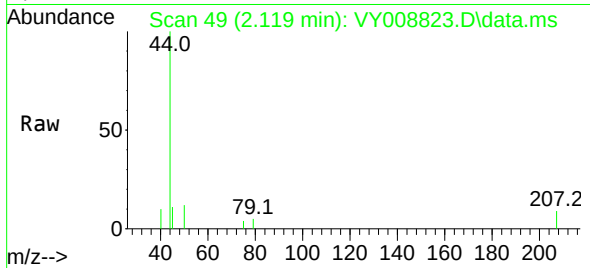




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

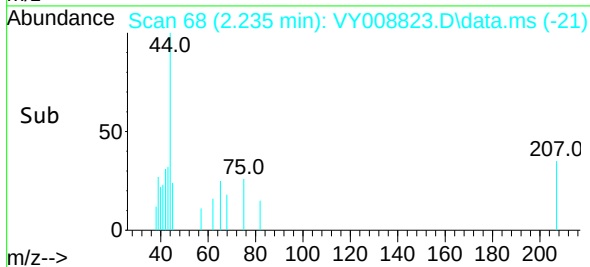
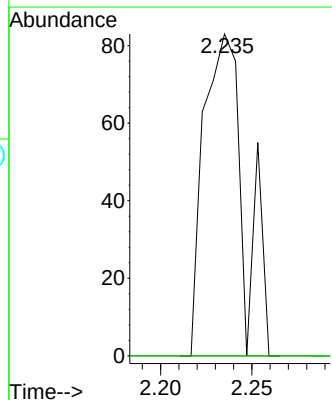
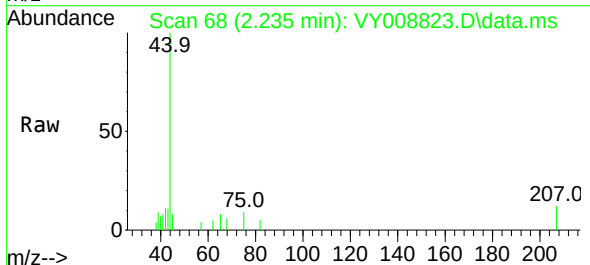
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

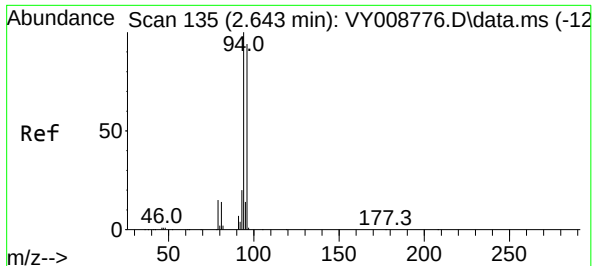
Tgt Ion: 50 Resp: 154
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.235 min Scan# 68
Delta R.T. -0.012 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion: 62 Resp: 127
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: VY008823.D

Acq: 18 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

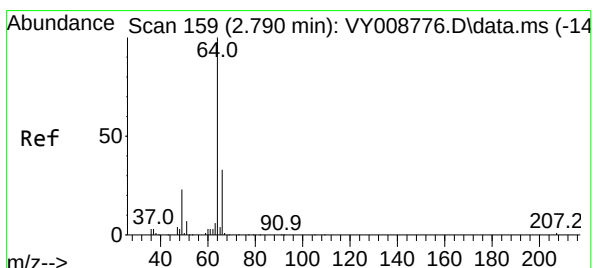
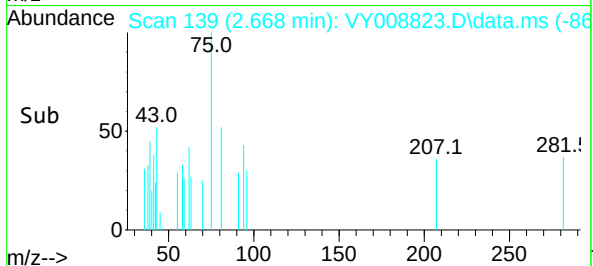
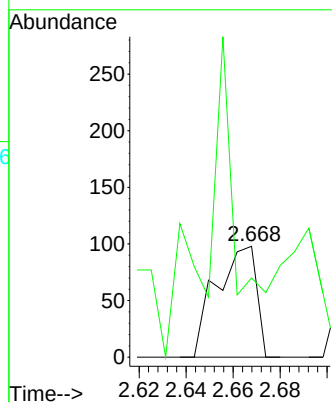
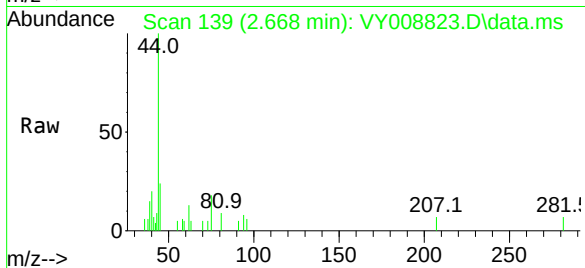
P009-SS003-0006-01

Tgt Ion: 94 Resp: 116

Ion Ratio Lower Upper

94 100

96 0.0 73.5 110.3#



#6

Chloroethane

Concen: Below Cal

RT: 2.680 min Scan# 141

Delta R.T. -0.110 min

Lab File: VY008823.D

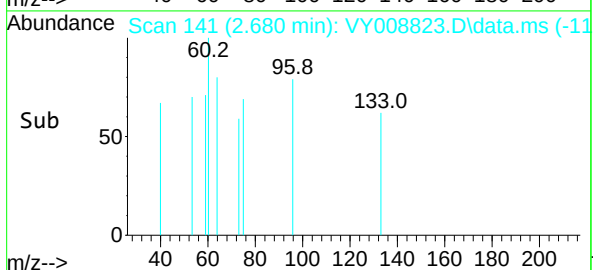
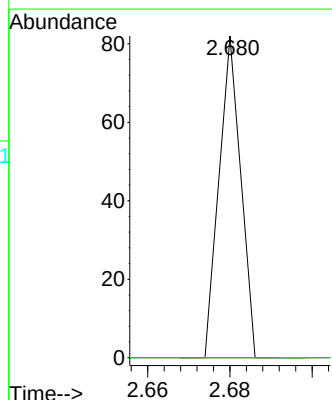
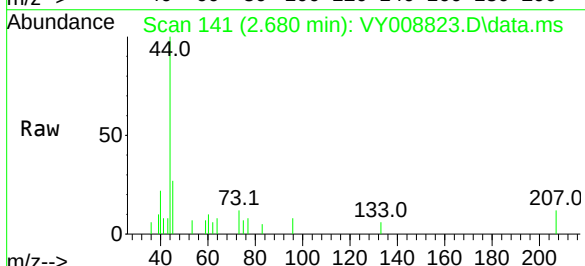
Acq: 18 May 2022 18:50

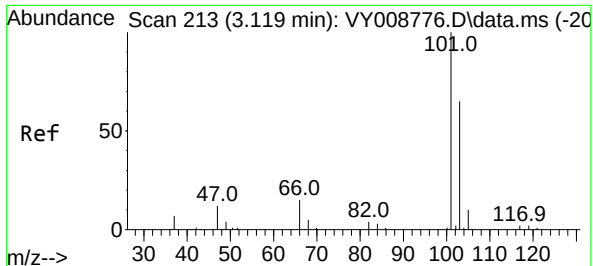
Tgt Ion: 64 Resp: 30

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

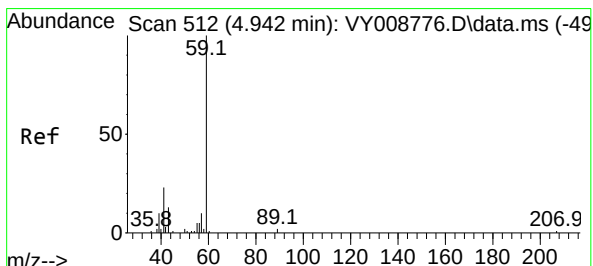
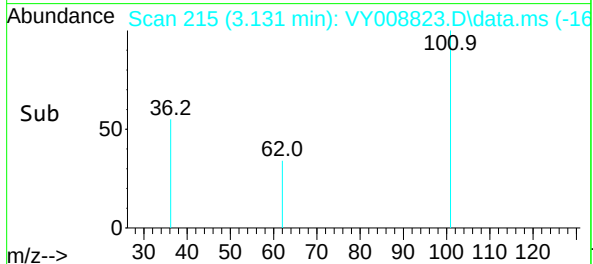
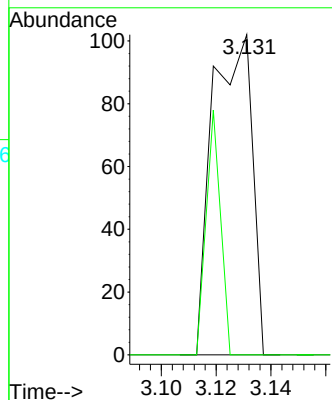
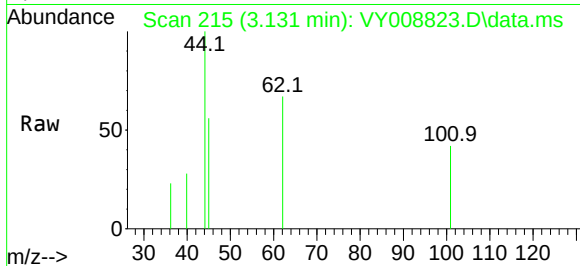




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.131 min Scan# 21
Delta R.T. 0.012 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

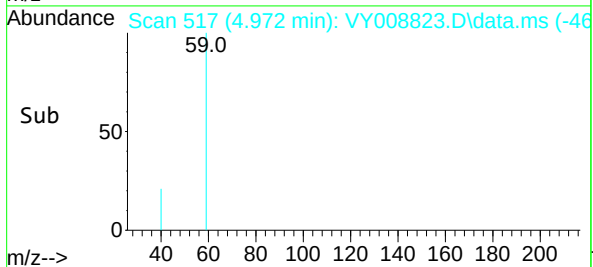
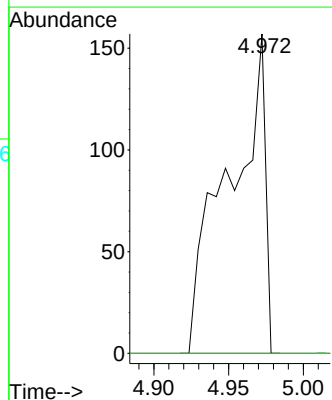
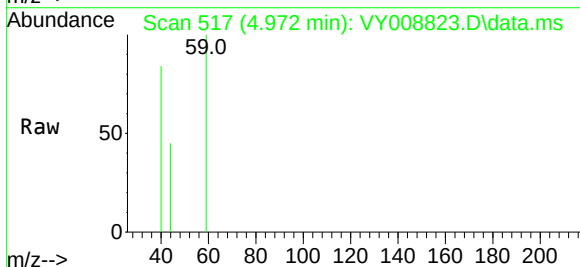
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

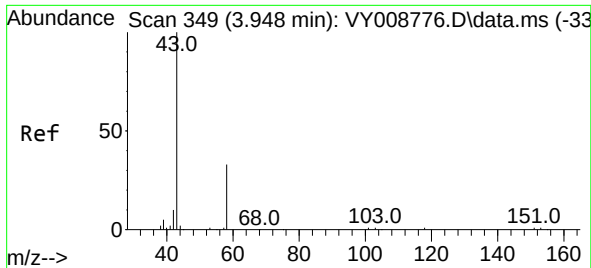
Tgt Ion:101 Resp: 102
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#11
Tert butyl alcohol
Concen: 2.223 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.030 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion: 59 Resp: 264
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

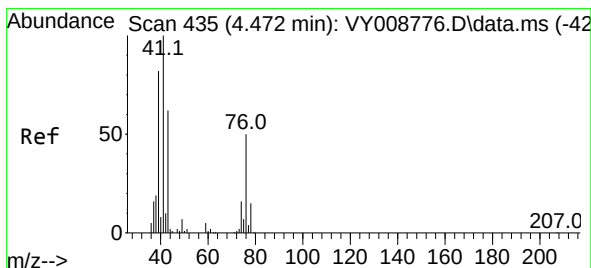
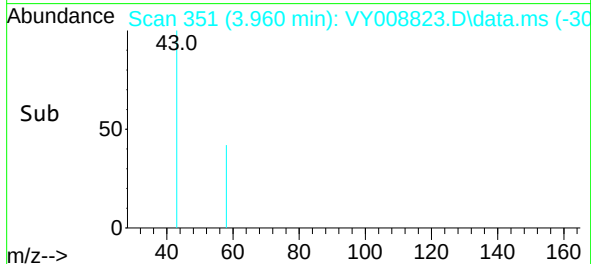
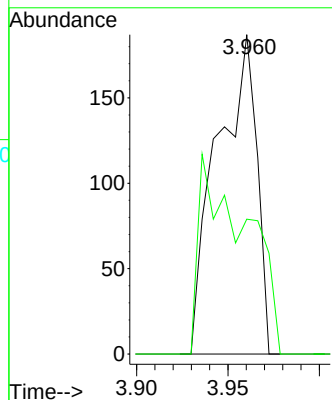
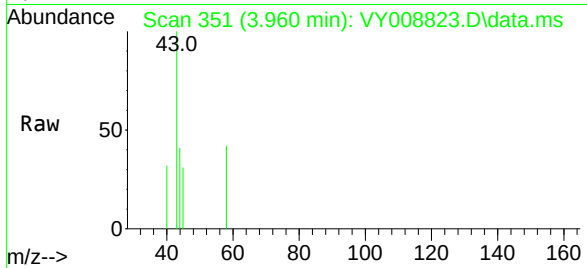




#16
Acetone
Concen: Below Cal
RT: 3.960 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

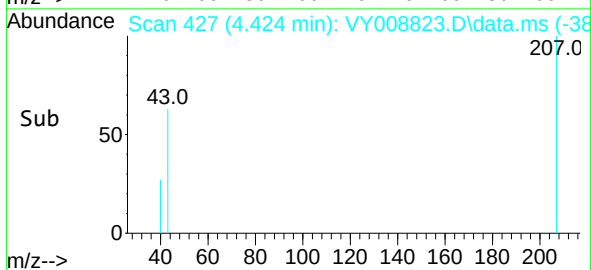
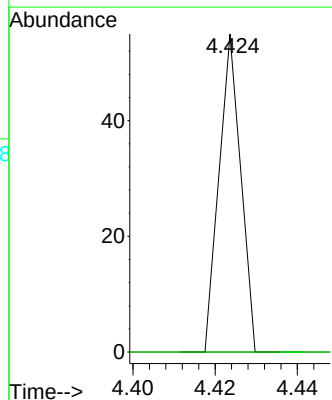
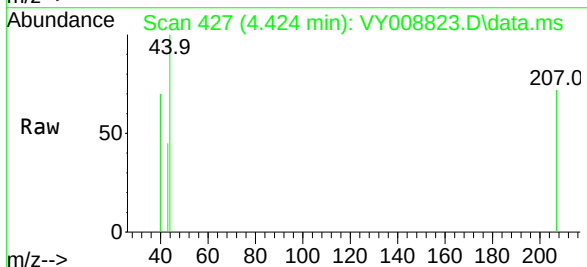
Instrument :
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ClientSampleId :
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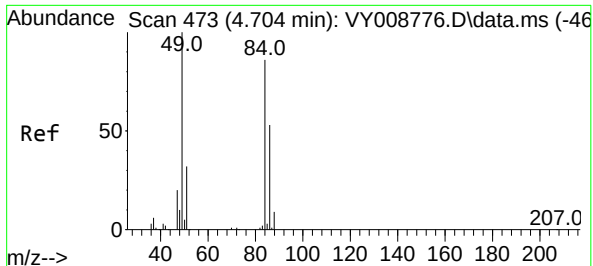
Tgt Ion: 43 Resp: 281
Ion Ratio Lower Upper
43 100
58 42.2 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.424 min Scan# 427
Delta R.T. -0.048 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

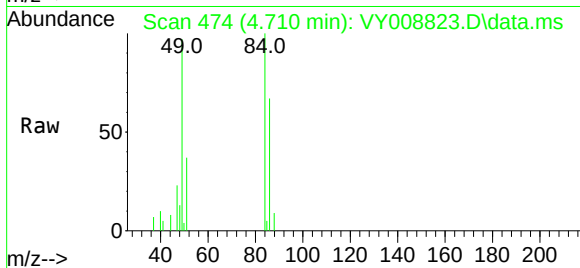
Tgt Ion: 43 Resp: 20
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



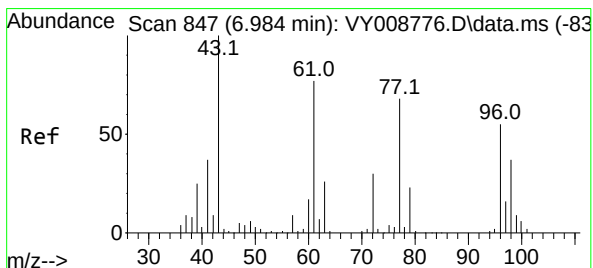
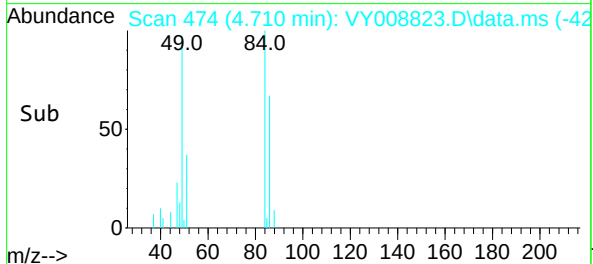
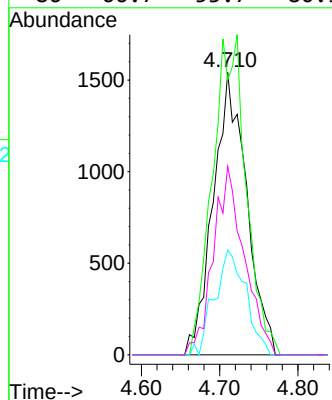


#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

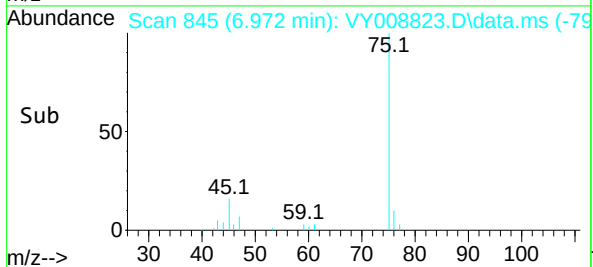
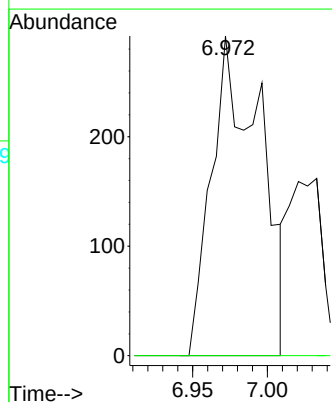
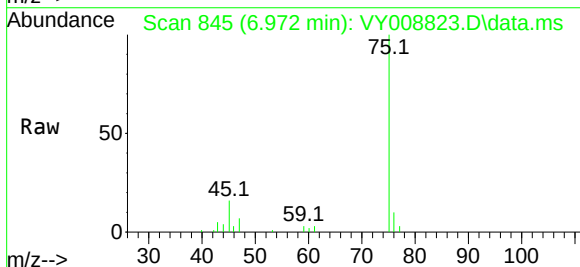


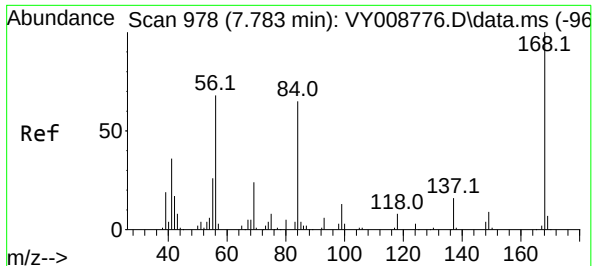
Tgt Ion: 84 Resp: 4553
Ion Ratio Lower Upper
84 100
49 97.3 114.4 171.6#
51 37.1 35.3 52.9
86 66.7 53.7 80.5



#25
2-Butanone
Concen: 1.464 ug/l
RT: 6.972 min Scan# 845
Delta R.T. -0.012 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

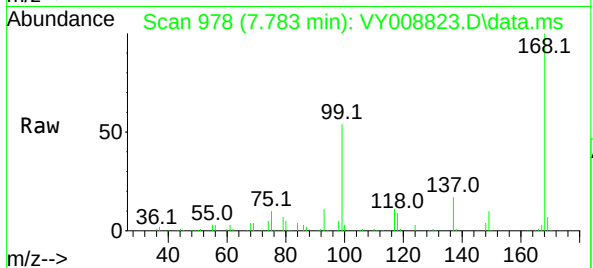
Tgt Ion: 43 Resp: 660
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#





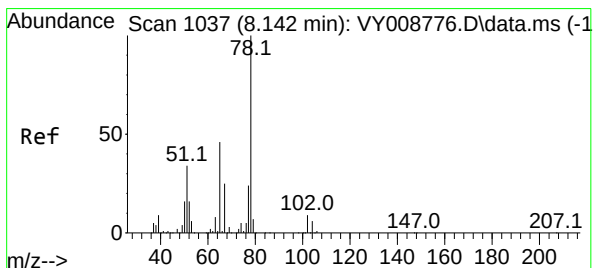
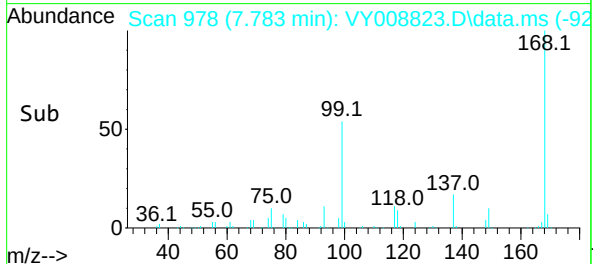
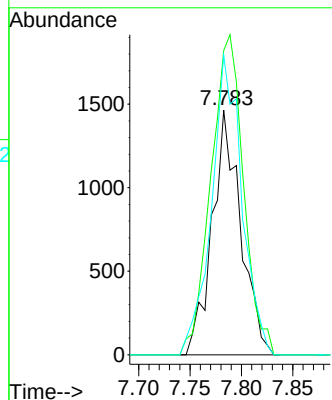
#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Instrument :
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ClientSampleId :
P009-SS003-0006-01



Tgt Ion: 56 Resp: 2826

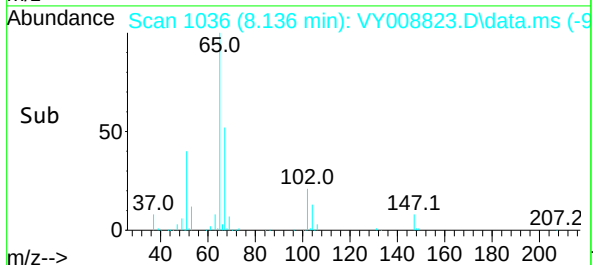
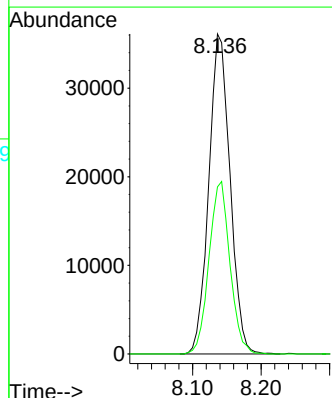
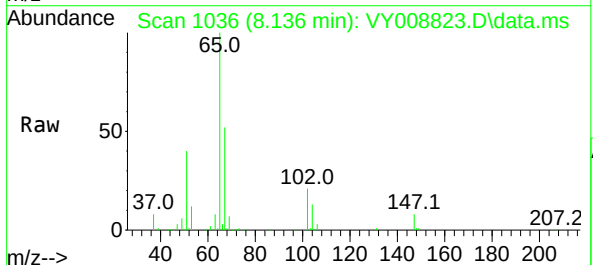
Ion	Ratio	Lower	Upper
56	100		
69	124.3	26.7	40.1#
84	122.3	67.2	100.8#

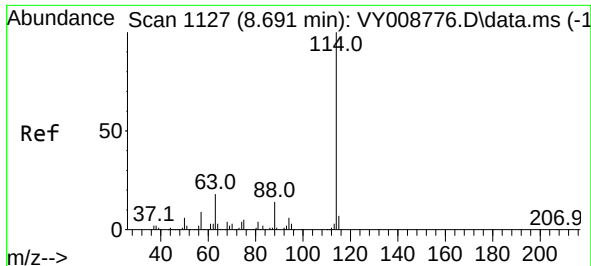


#33
1,2-Dichloroethane-d4
Concen: 72.443 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion: 65 Resp: 77828

Ion	Ratio	Lower	Upper
65	100		
67	53.1	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: VY008823.D

Acq: 18 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

P009-SS003-0006-01

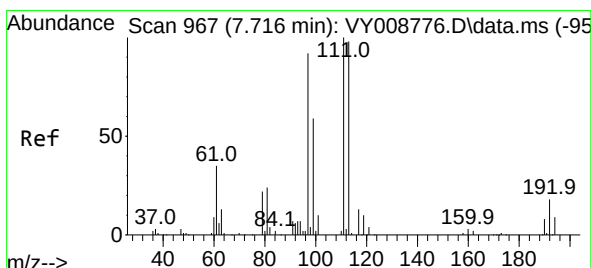
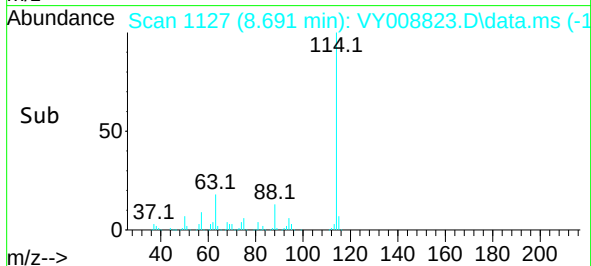
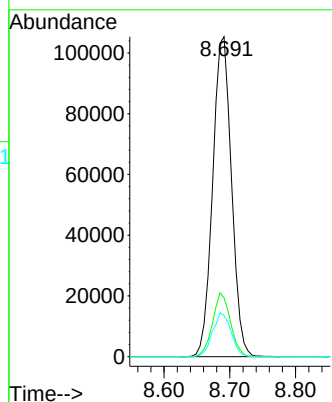
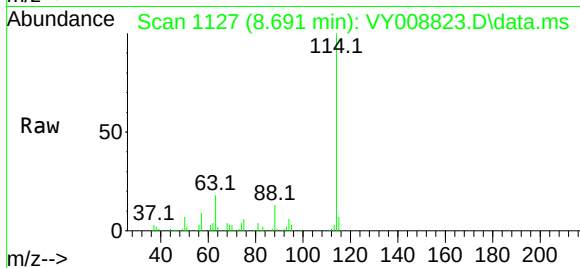
Tgt Ion:114 Resp: 209720

Ion Ratio Lower Upper

114 100

63 18.4 0.0 43.2

88 12.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.538 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008823.D

Acq: 18 May 2022 18:50

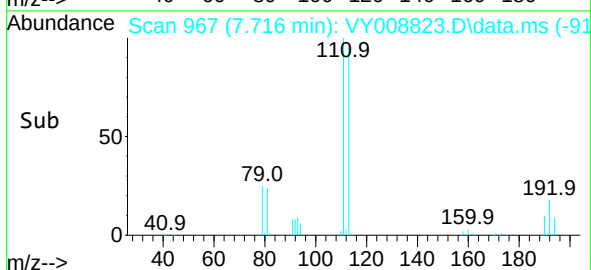
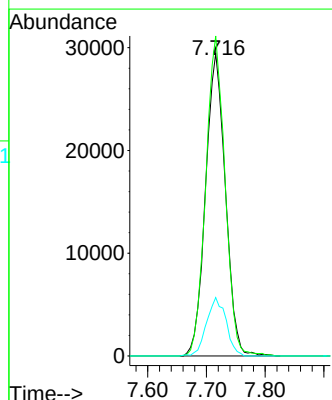
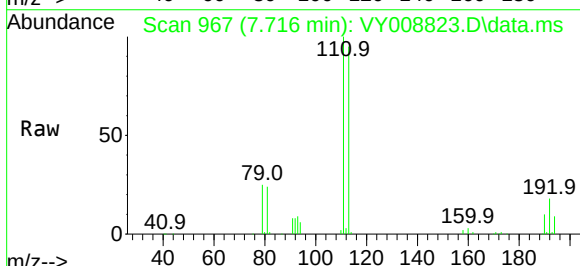
Tgt Ion:113 Resp: 69279

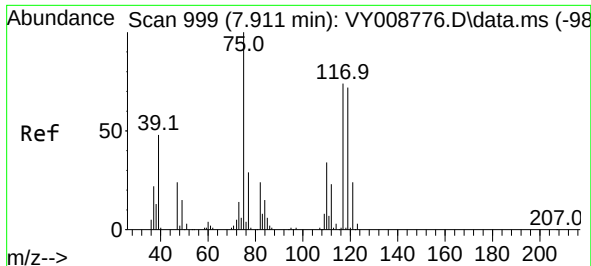
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 19.0 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.931 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY008823.D

Acq: 18 May 2022 18:50

Instrument :

MSVOA_Y

ClientSampleId :

P009-SS003-0006-01

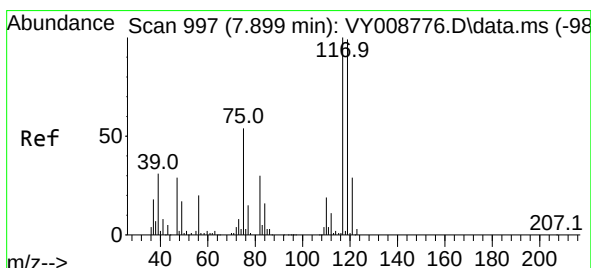
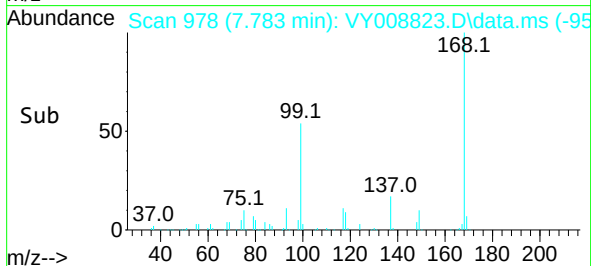
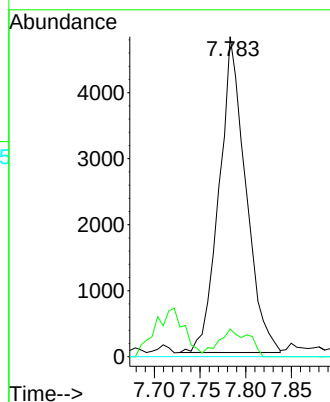
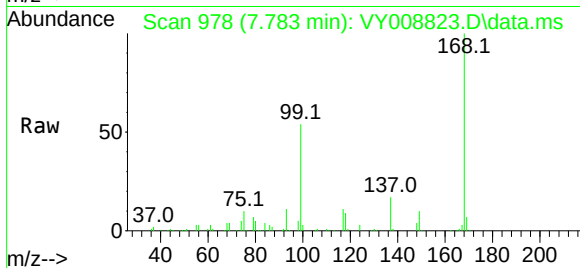
Tgt Ion: 75 Resp: 9678

Ion Ratio Lower Upper

75 100

110 9.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.688 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.110 min

Lab File: VY008823.D

Acq: 18 May 2022 18:50

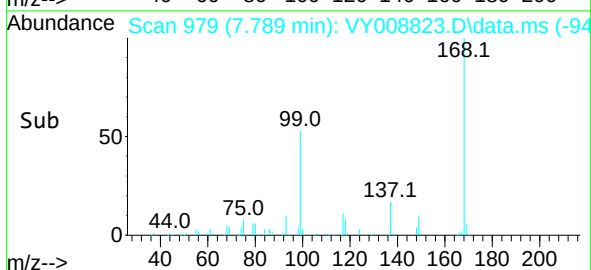
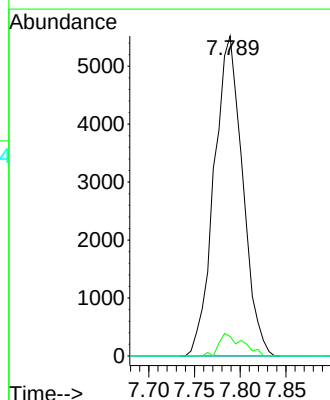
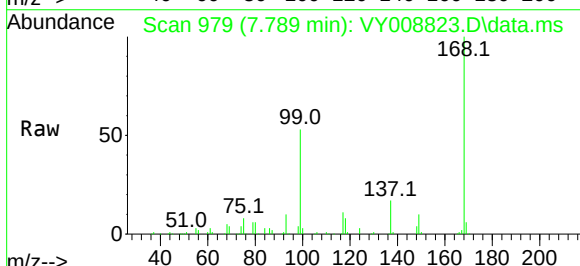
Tgt Ion: 117 Resp: 11963

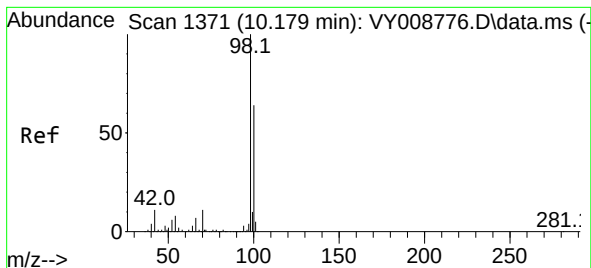
Ion Ratio Lower Upper

117 100

119 6.1 77.9 116.9#

121 0.0 24.8 37.2#

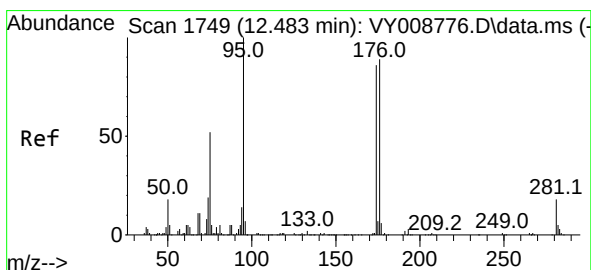
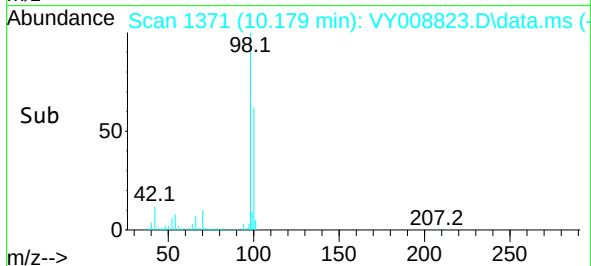
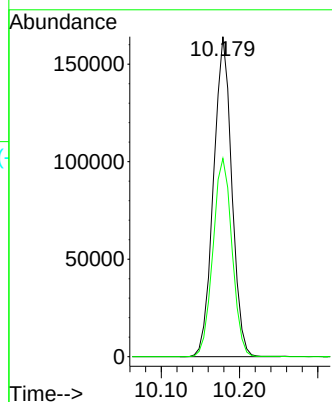
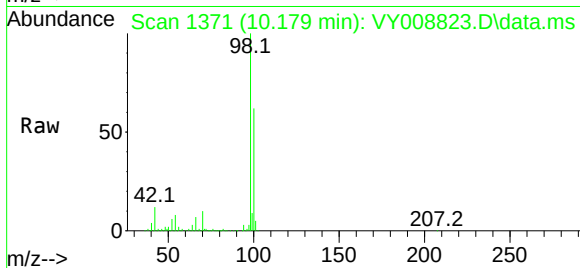




#50
Toluene-d8
Concen: 48.951 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

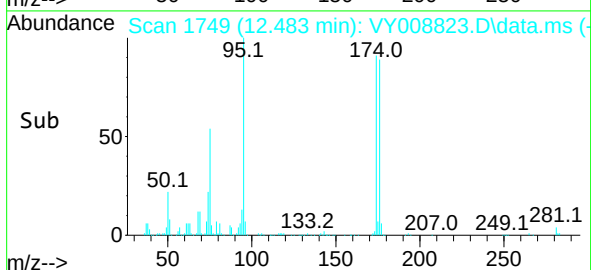
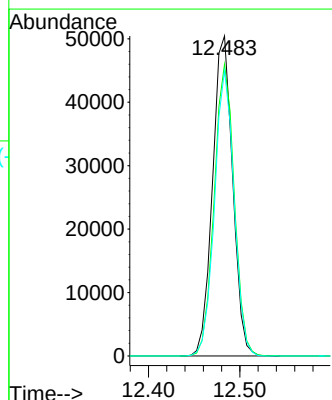
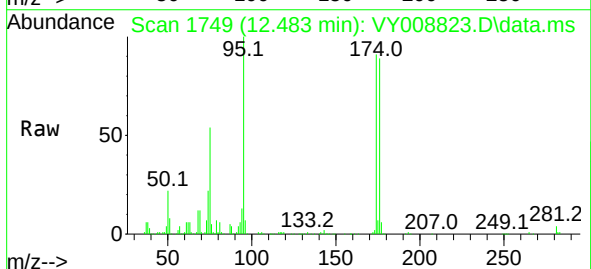
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

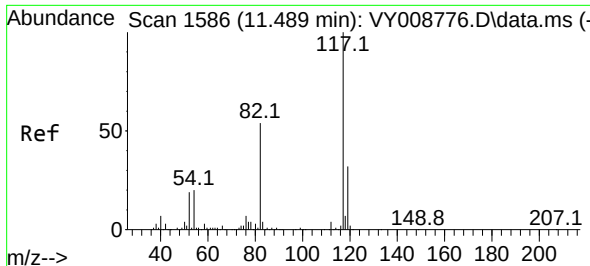
Tgt Ion: 98 Resp: 266233
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.341 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion: 95 Resp: 77005
Ion Ratio Lower Upper
95 100
174 91.1 0.0 177.0
176 86.8 0.0 175.8

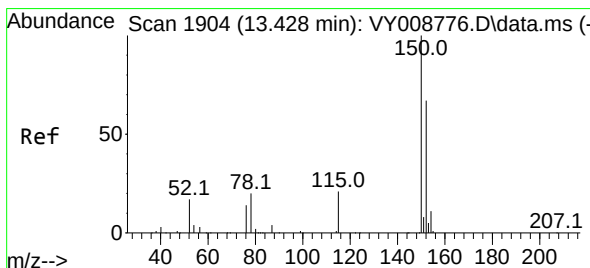
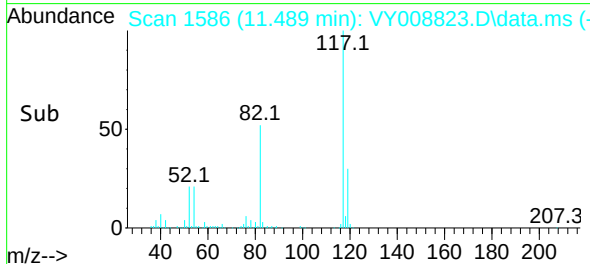
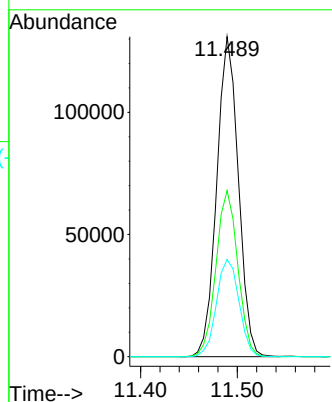
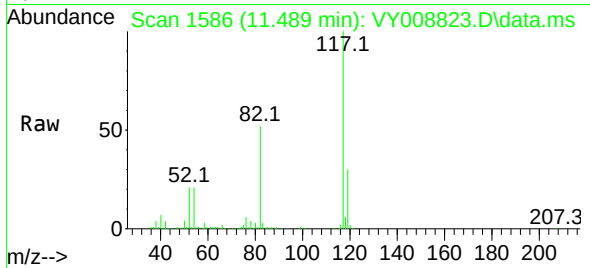




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

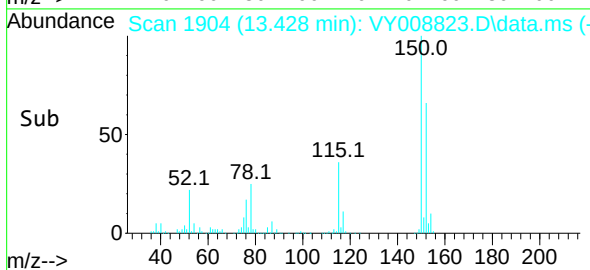
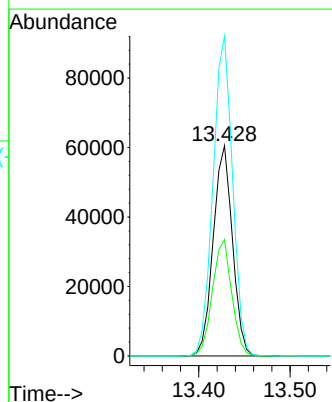
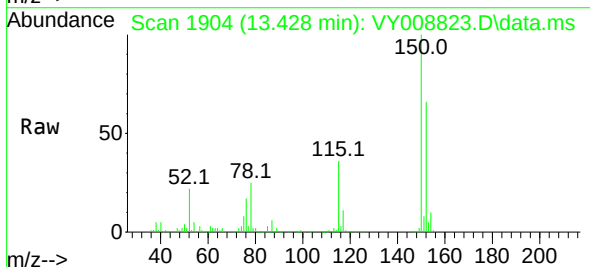
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

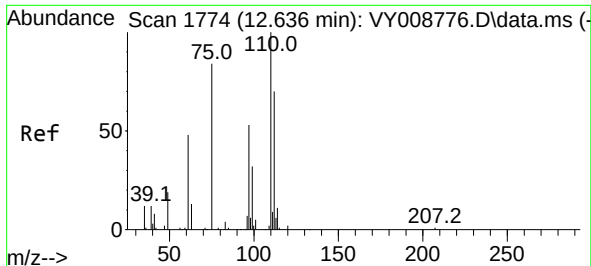
Tgt Ion:117 Resp: 203126
Ion Ratio Lower Upper
117 100
82 51.9 43.0 64.4
119 30.4 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion:152 Resp: 88525
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 154.4 0.0 347.6

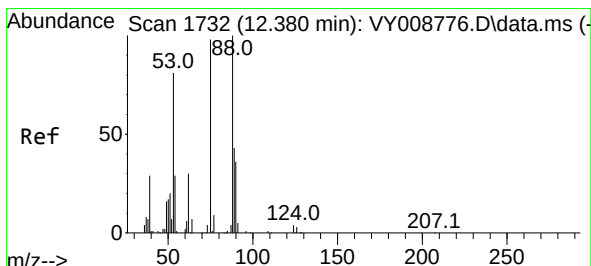
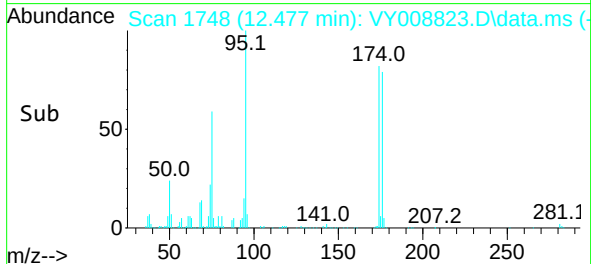
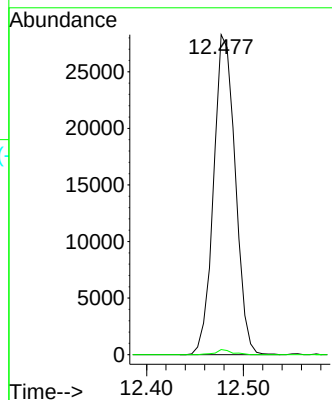
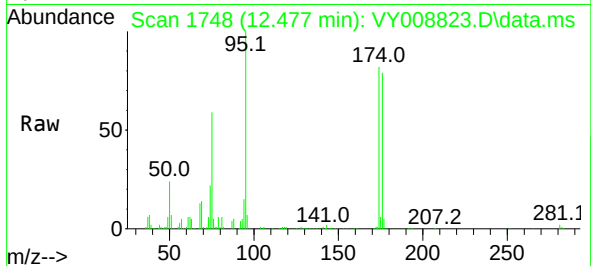




#76
1,2,3-Trichloropropane
Concen: 43.030 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.159 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-0006-01

Tgt Ion: 75 Resp: 44002
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.119 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008823.D
Acq: 18 May 2022 18:50

Tgt Ion: 75 Resp: 44002
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.3 37.0 55.4#

