

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008825.D
 Acq On : 18 May 2022 19:37
 Operator : KP/MD
 Sample : N2841-18
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P009-SS003-1218-01

Quant Time: May 19 03:13:05 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)

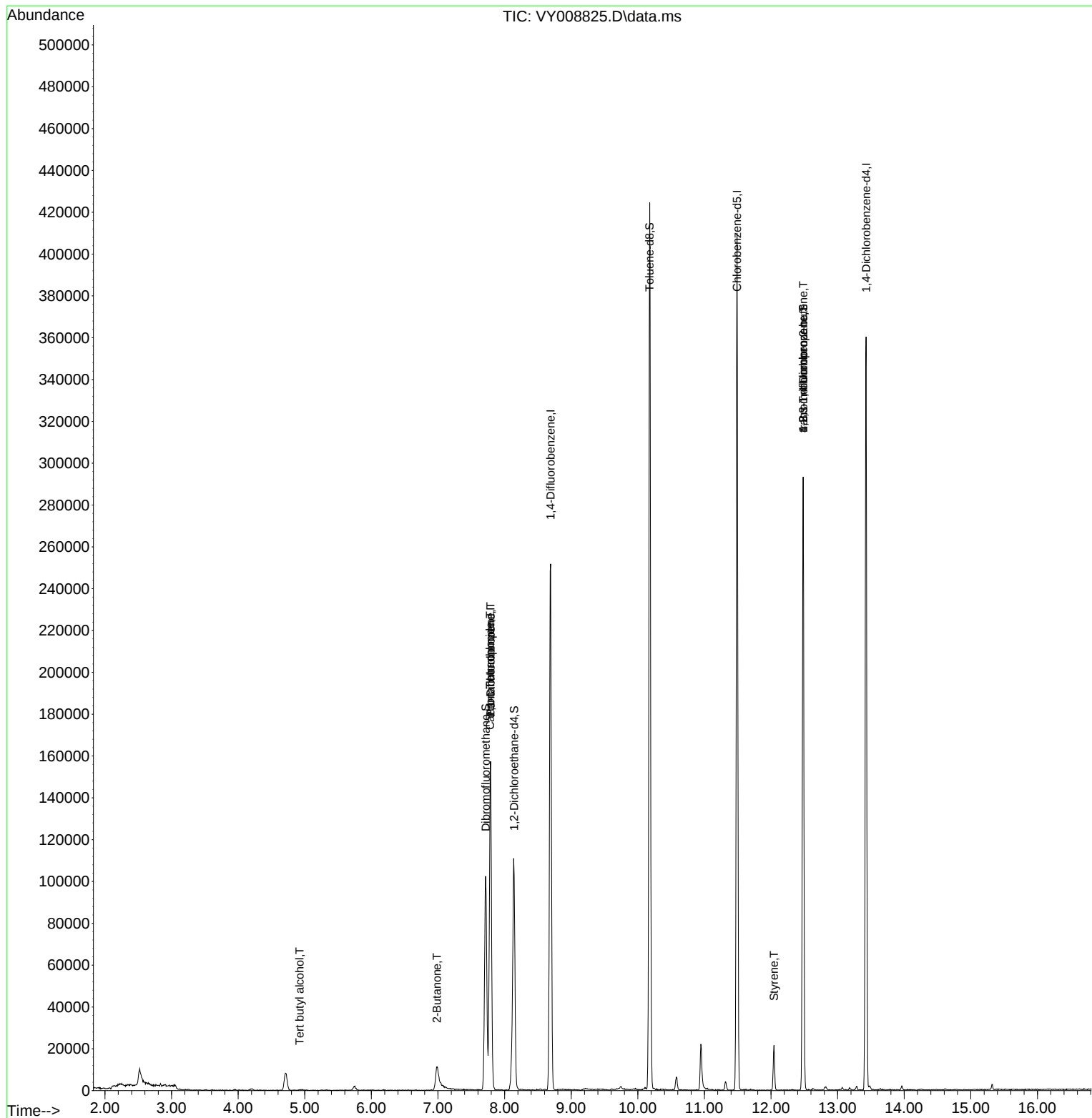
Internal Standards						
1) Pentafluorobenzene	7.789	168	118904	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	212089	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	207159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88061	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	75239	68.208	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.420%	
35) Dibromofluoromethane	7.716	113	70223	56.668	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.340%	
50) Toluene-d8	10.179	98	268960	48.904	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.800%	
62) 4-Bromofluorobenzene	12.483	95	78137	40.465	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.940%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	343	Below Cal		89
3) Chloromethane	2.107	50	129	Below Cal		97
4) Vinyl Chloride	2.247	62	122	Below Cal	#	43
5) Bromomethane	2.668	94	132	Below Cal	#	63
6) Chloroethane	2.662	64	23	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	230	Below Cal		90
11) Tert butyl alcohol	4.923	59	181	1.485 ug/l	#	77
16) Acetone	3.948	43	706	Below Cal	#	81
20) Methylene Chloride	4.716	84	6234	Below Cal	#	80
25) 2-Butanone	6.984	43	887	1.916 ug/l	#	54
31) Cyclohexane	7.789	56	2898	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10300	5.190 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	12223	5.747 ug/l	#	15
70) Styrene	12.044	104	9637	2.066 ug/l	#	85
76) 1,2,3-Trichloropropane	12.483	75	45472	44.702 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	45472	97.776 ug/l	#	7

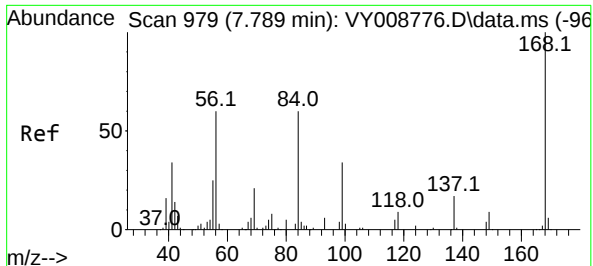
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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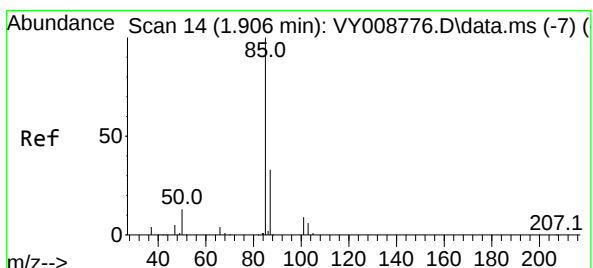
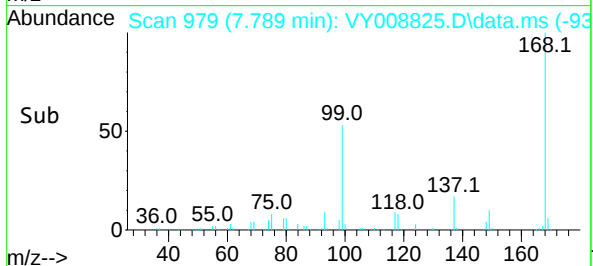
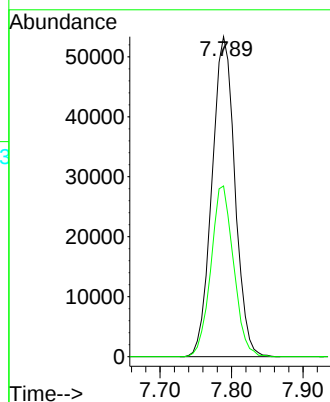
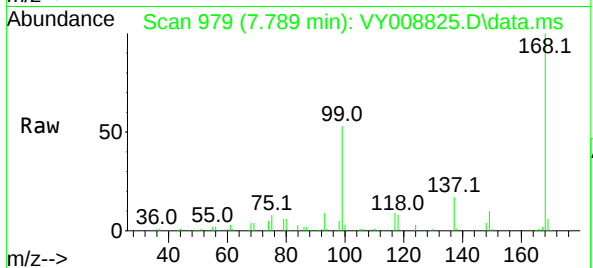




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

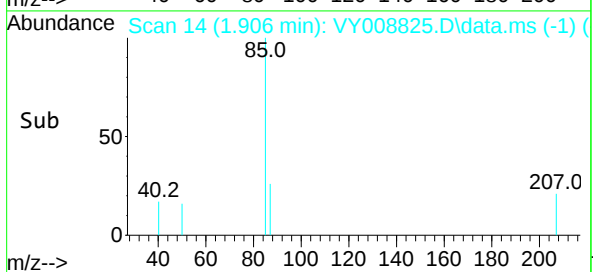
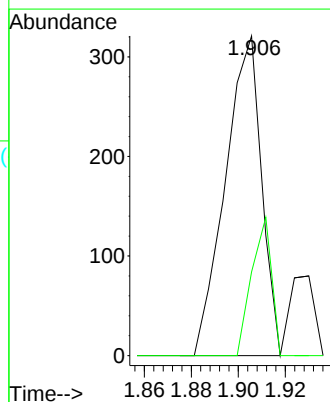
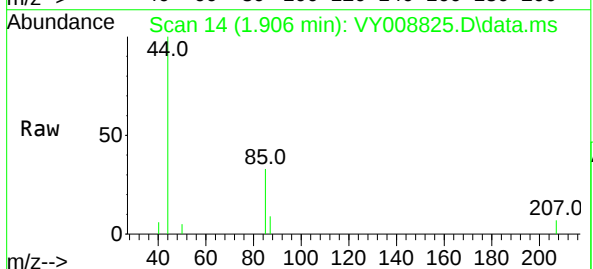
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

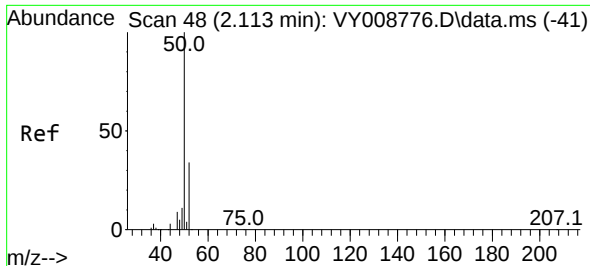
Tgt Ion:168 Resp: 118904
Ion Ratio Lower Upper
168 100
99 53.4 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 85 Resp: 343
Ion Ratio Lower Upper
85 100
87 26.2 16.1 48.2

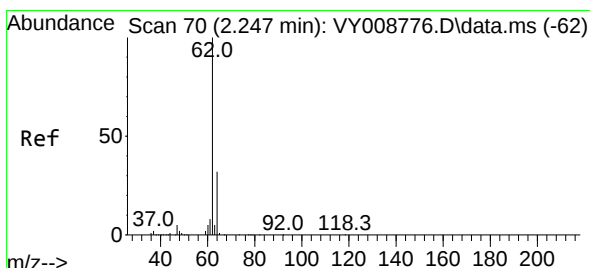
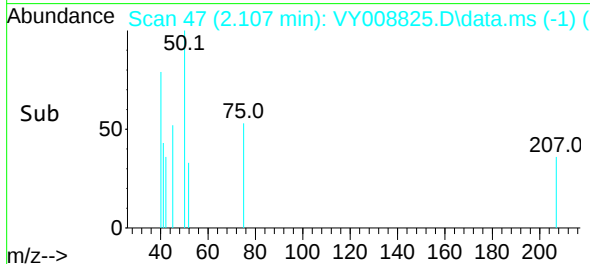
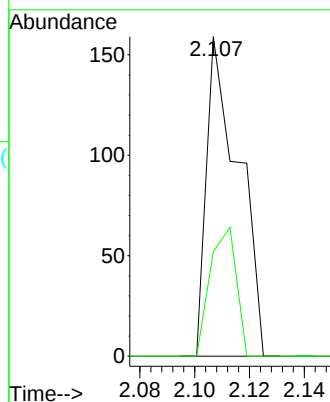
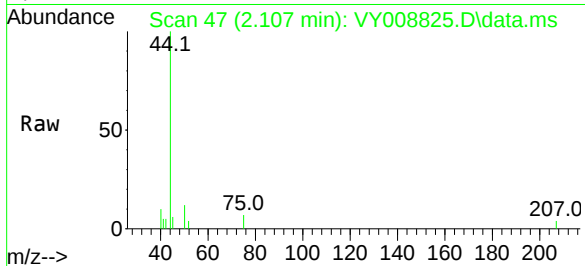




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

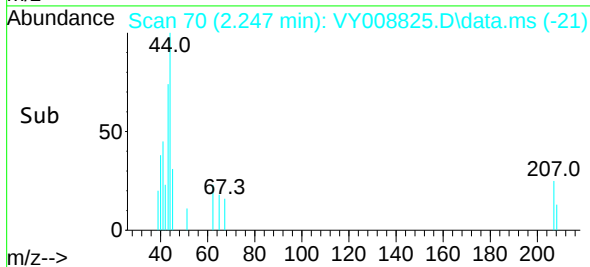
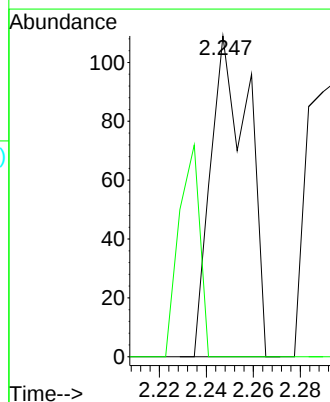
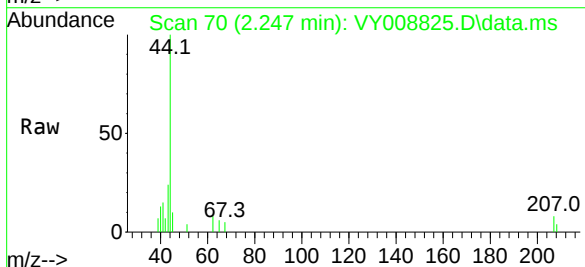
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

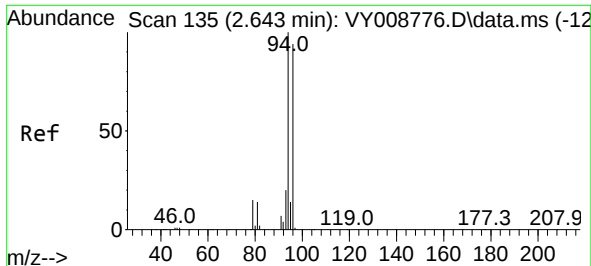
Tgt Ion: 50 Resp: 129
Ion Ratio Lower Upper
50 100
52 32.7 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.247 min Scan# 70
Delta R.T. 0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 62 Resp: 122
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

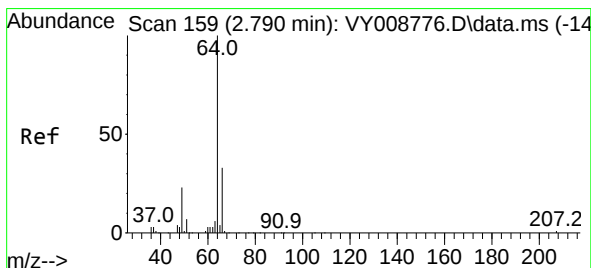
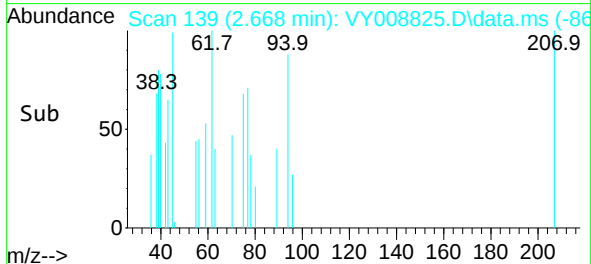
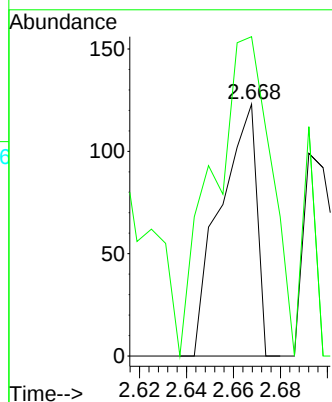
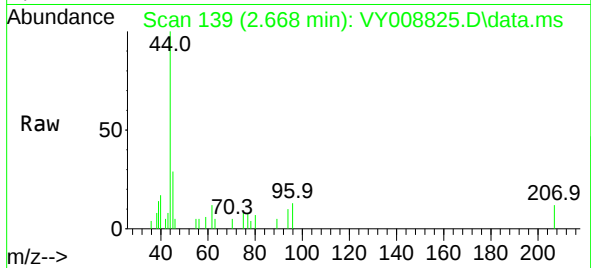




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.025 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

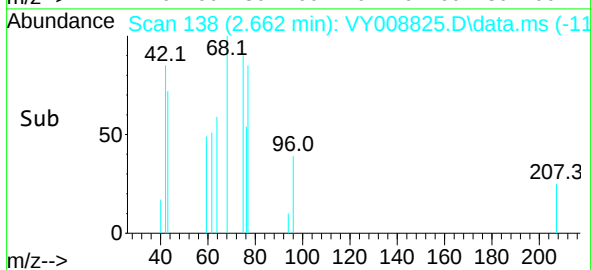
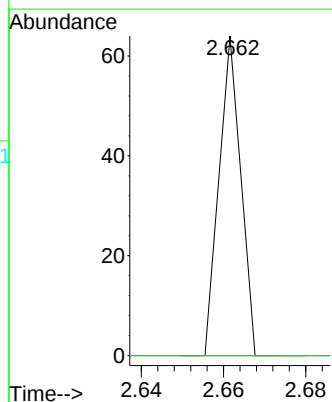
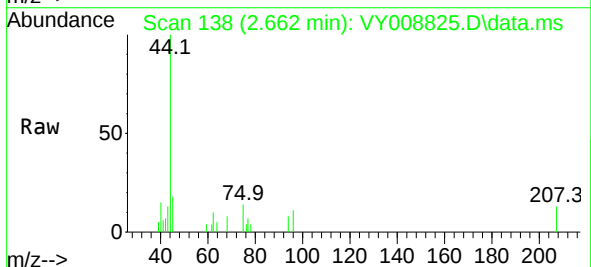
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

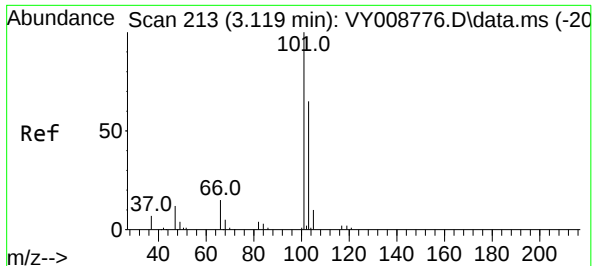
Tgt Ion: 94 Resp: 132
Ion Ratio Lower Upper
94 100
96 126.8 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. -0.128 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 64 Resp: 23
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

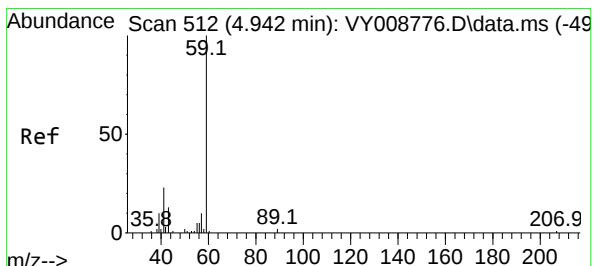
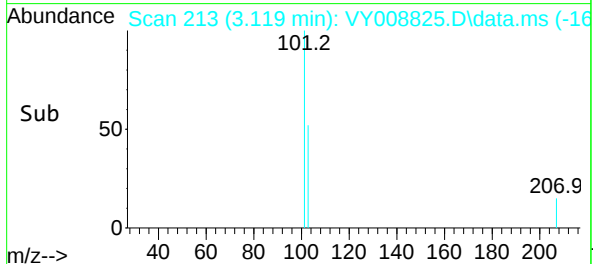
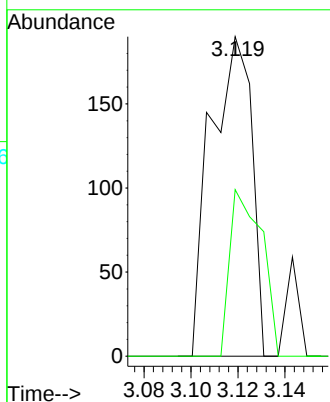
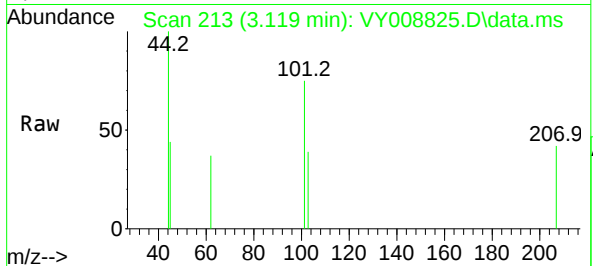




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 213
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

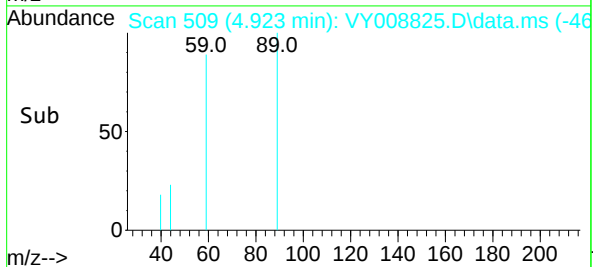
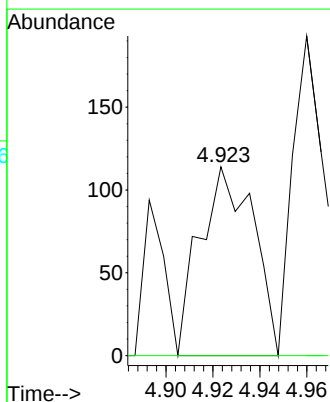
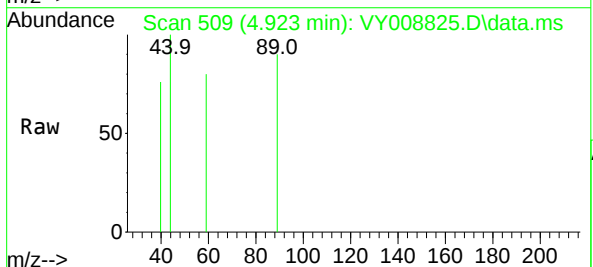
Instrument : MSVOA_Y
ClientSampleId : P009-SS003-1218-01

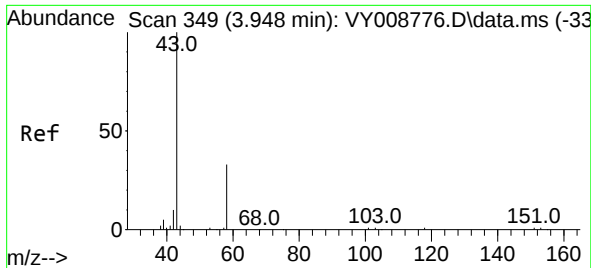
Tgt Ion:101 Resp: 230
Ion Ratio Lower Upper
101 100
103 52.1 48.0 72.0



#11
Tert butyl alcohol
Concen: 1.485 ug/l
RT: 4.923 min Scan# 509
Delta R.T. -0.018 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 59 Resp: 181
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

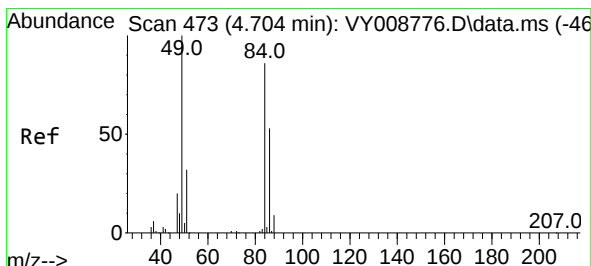
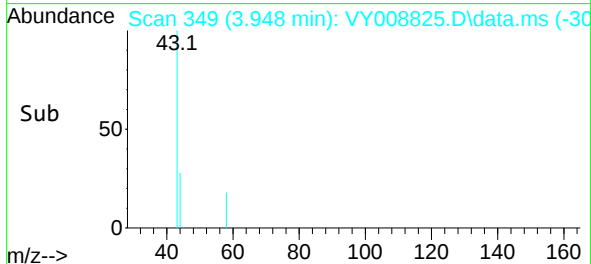
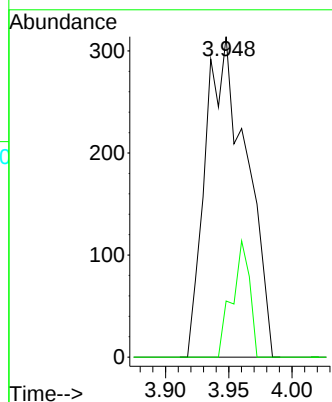
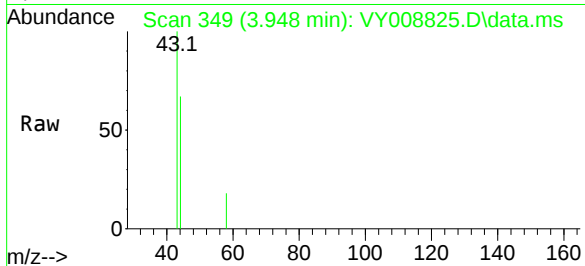




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

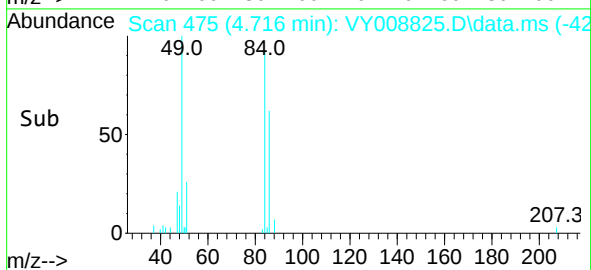
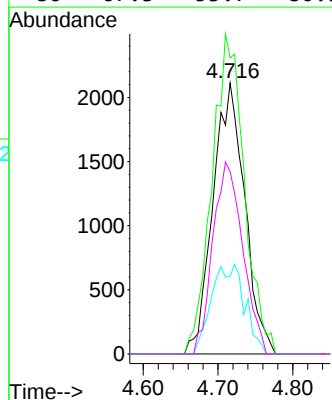
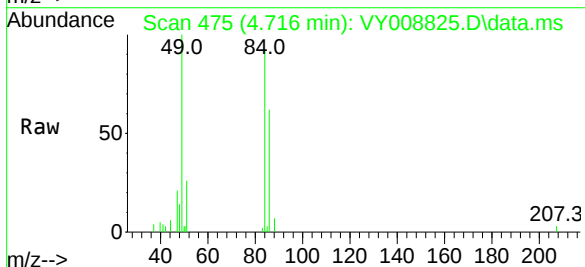
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

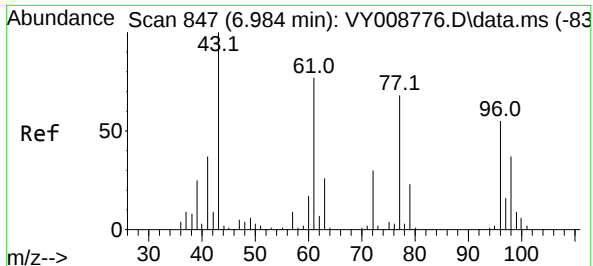
Tgt Ion: 43 Resp: 706
Ion Ratio Lower Upper
43 100
58 17.5 22.0 33.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 84 Resp: 6234
Ion Ratio Lower Upper
84 100
49 109.3 114.4 171.6#
51 28.7 35.3 52.9#
86 67.3 53.7 80.5





#25

2-Butanone

Concen: 1.916 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.000 min

Lab File: VY008825.D

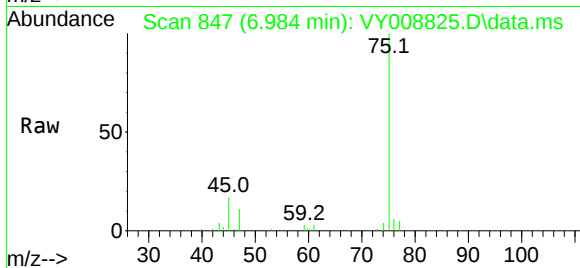
Acq: 18 May 2022 19:37

Instrument :

MSVOA_Y

ClientSampleId :

P009-SS003-1218-01

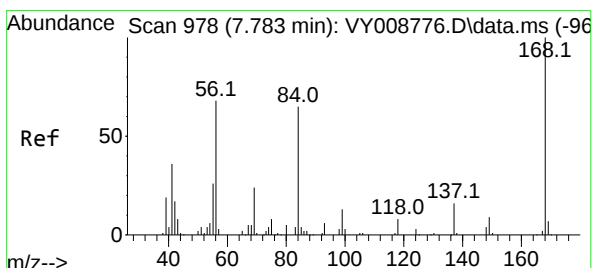
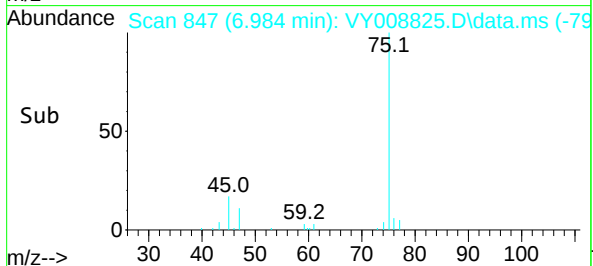
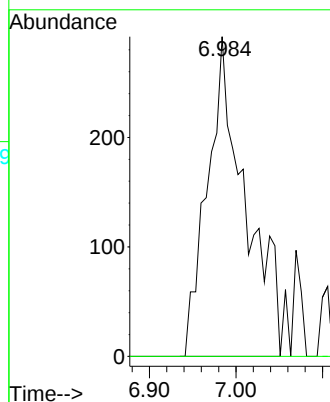


Tgt Ion: 43 Resp: 887

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY008825.D

Acq: 18 May 2022 19:37

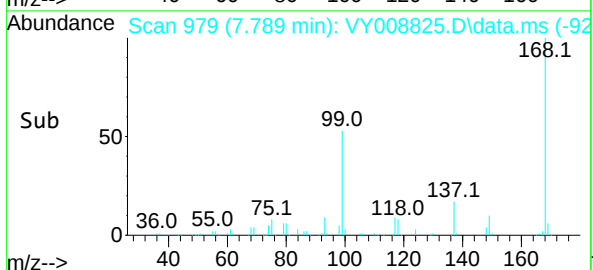
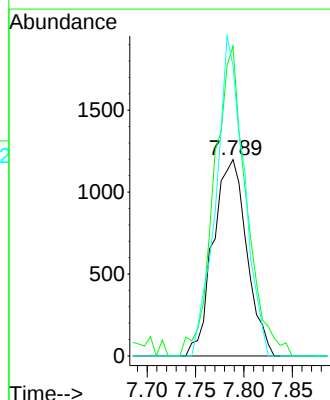
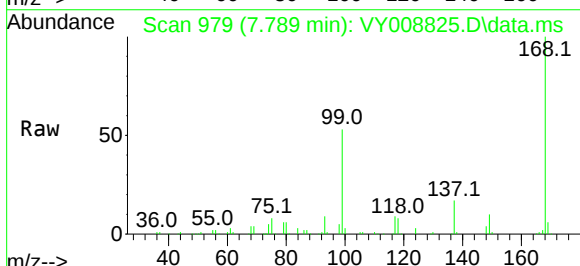
Tgt Ion: 56 Resp: 2898

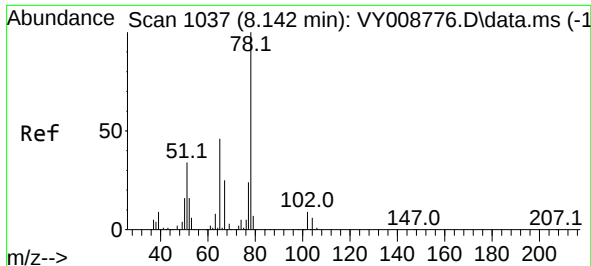
Ion Ratio Lower Upper

56 100

69 157.8 26.7 40.1#

84 147.8 67.2 100.8#

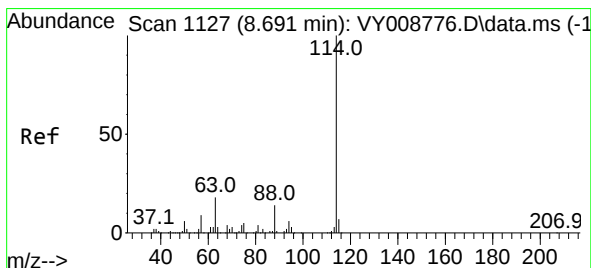
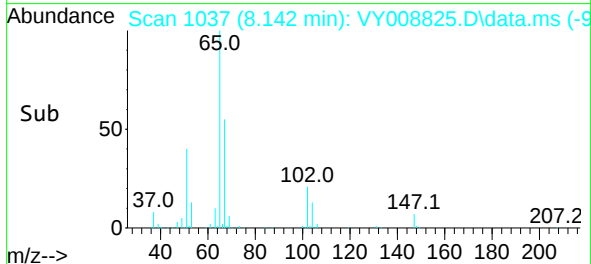
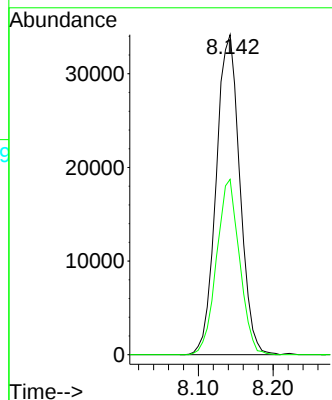
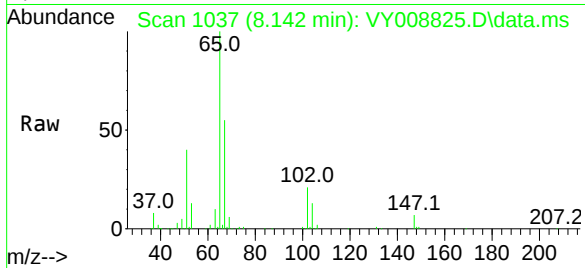




#33
 1,2-Dichloroethane-d4
 Concen: 68.208 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY008825.D
 Acq: 18 May 2022 19:37

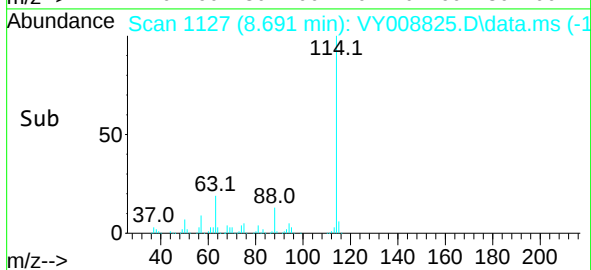
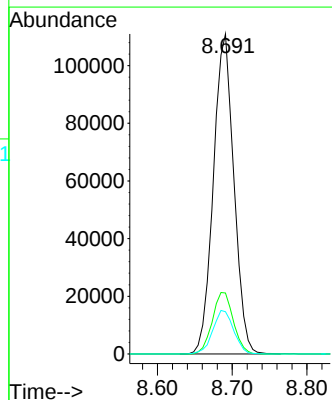
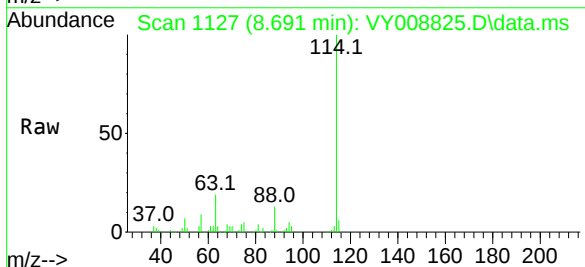
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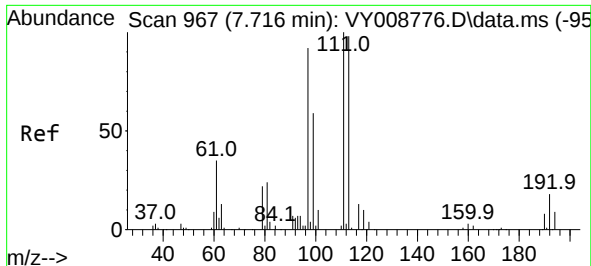
Tgt Ion: 65 Resp: 75239
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VY008825.D
 Acq: 18 May 2022 19:37

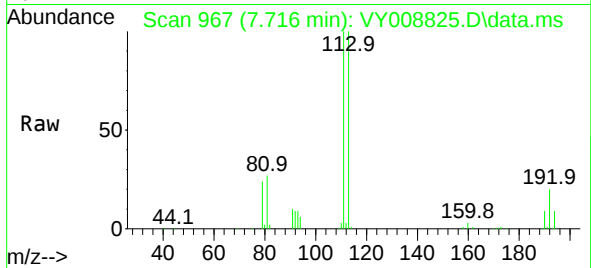
Tgt Ion: 114 Resp: 212089
 Ion Ratio Lower Upper
 114 100
 63 19.0 0.0 43.2
 88 13.2 0.0 31.8



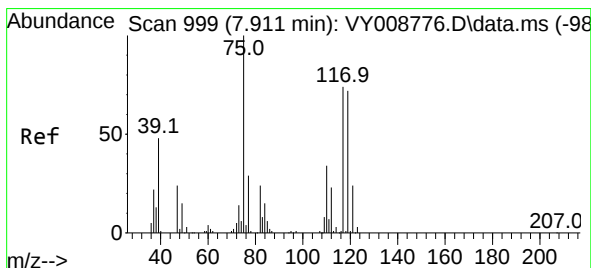
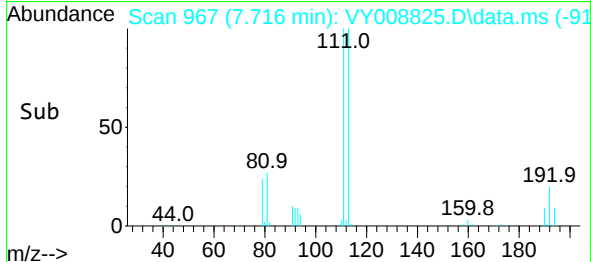
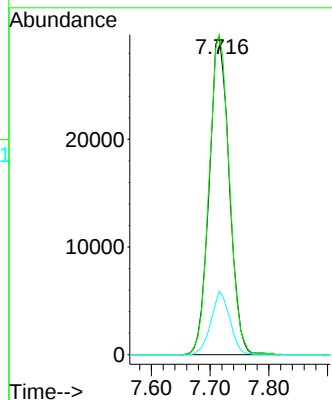


#35
Dibromofluoromethane
Concen: 56.668 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

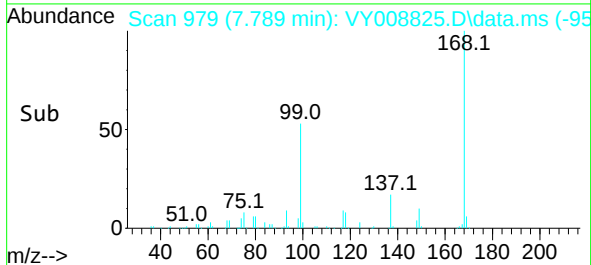
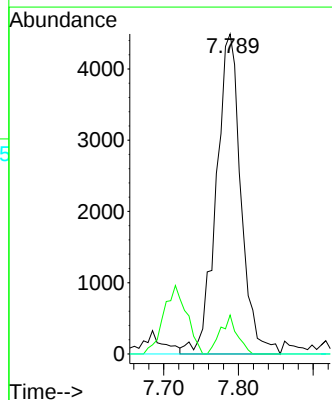
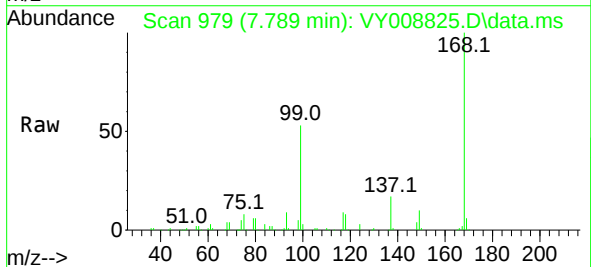


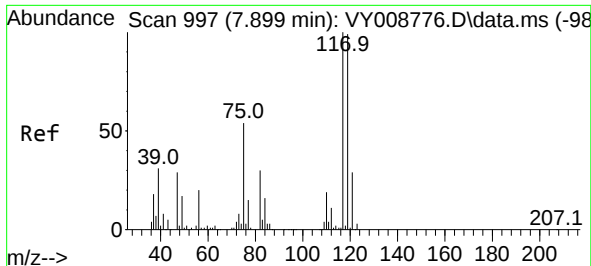
Tgt Ion:113 Resp: 70223
Ion Ratio Lower Upper
113 100
111 100.9 82.6 124.0
192 18.7 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.190 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

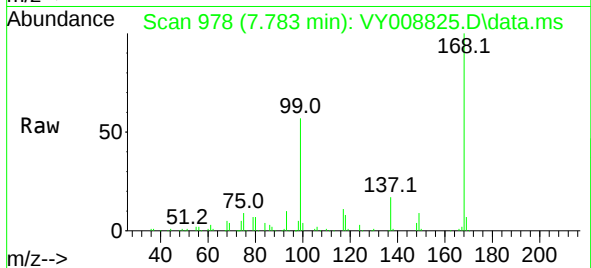
Tgt Ion: 75 Resp: 10300
Ion Ratio Lower Upper
75 100
110 8.2 17.1 51.2#
77 0.0 24.4 36.6#



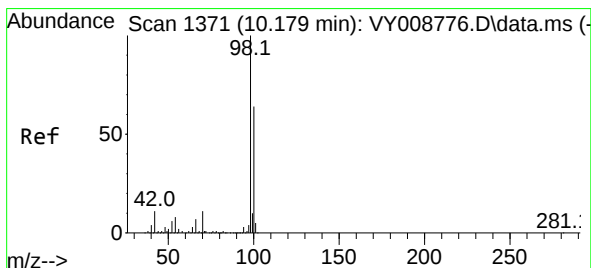
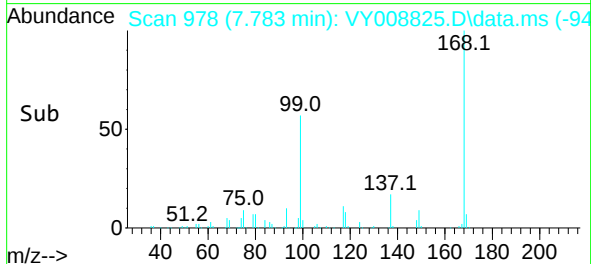
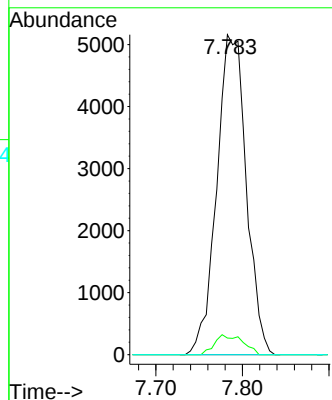


#38
Carbon Tetrachloride
Concen: 5.747 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

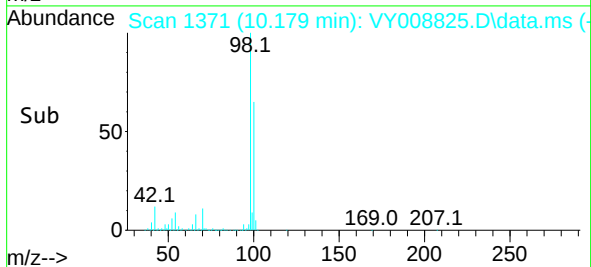
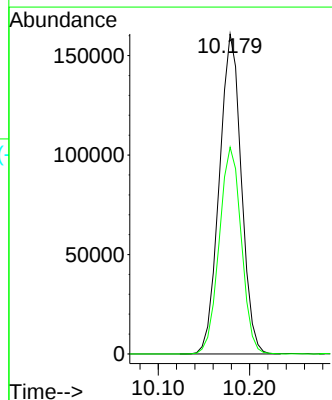
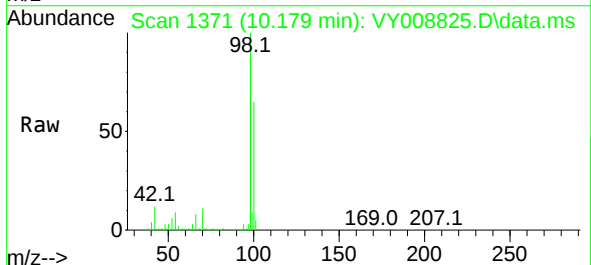


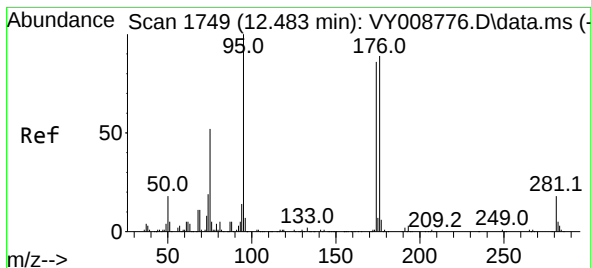
Tgt Ion:117 Resp: 12223
Ion Ratio Lower Upper
117 100
119 5.2 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.904 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 98 Resp: 268960
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2

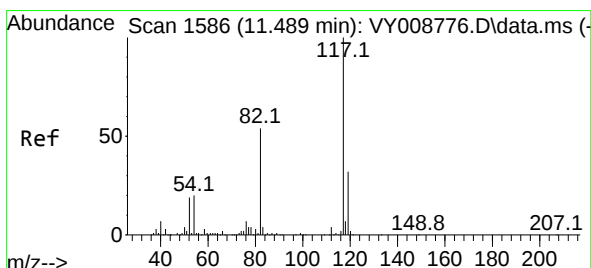
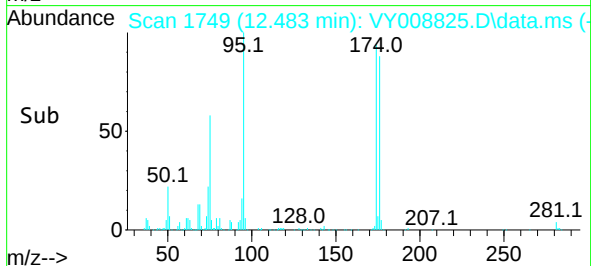
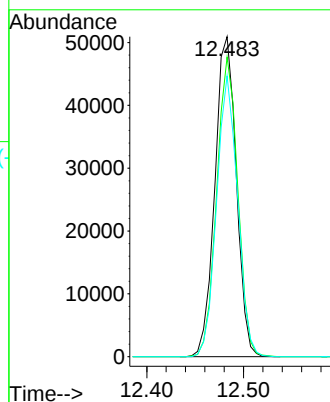
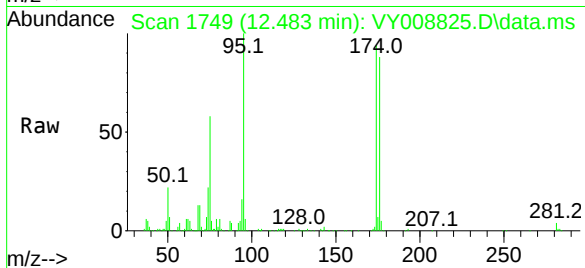




#62
4-Bromofluorobenzene
Concen: 40.465 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

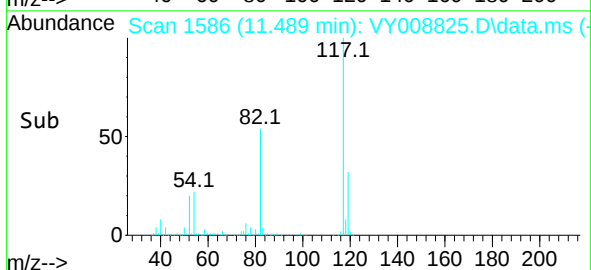
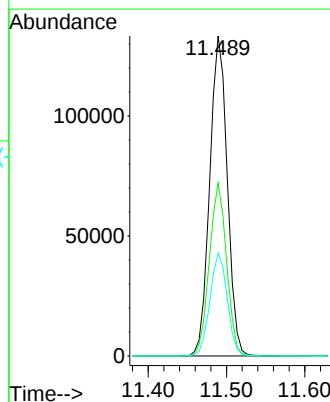
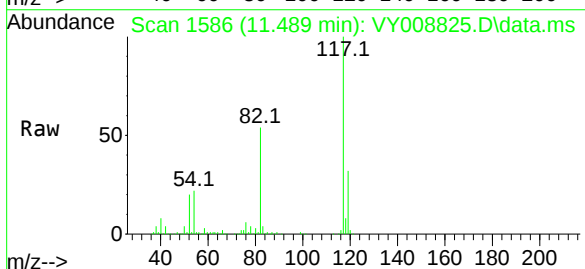
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

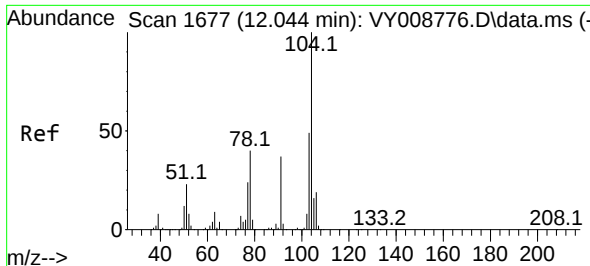
Tgt Ion:	95	Resp:	78137
Ion Ratio	Lower	Upper	
95	100		
174	92.2	0.0	177.0
176	86.0	0.0	175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion:	117	Resp:	207159
Ion Ratio	Lower	Upper	
117	100		
82	54.0	43.0	64.4
119	32.1	25.4	38.0

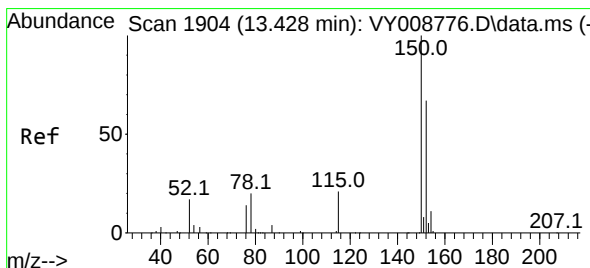
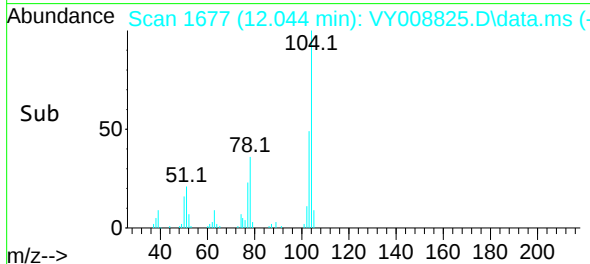
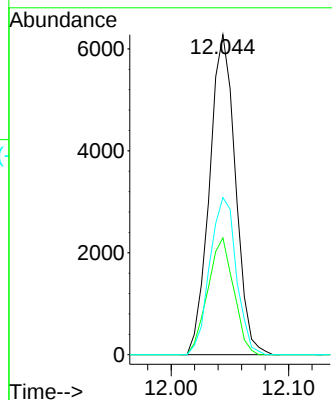
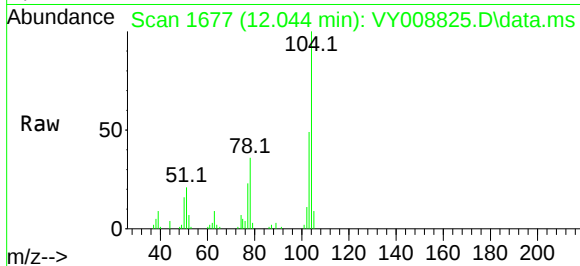




#70
Styrene
Concen: 2.066 ug/l
RT: 12.044 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

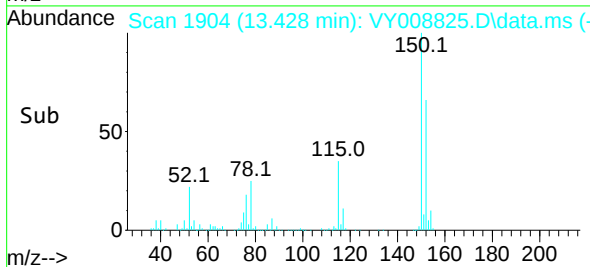
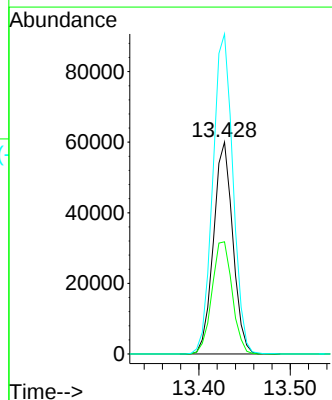
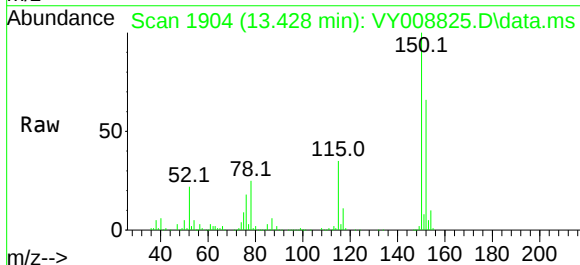
Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

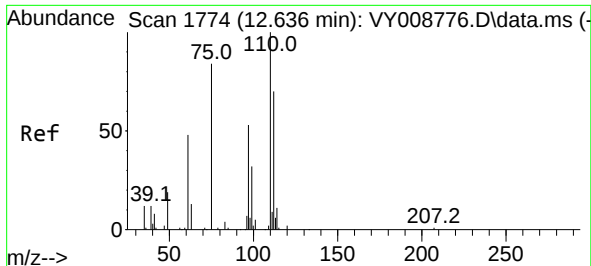
Tgt Ion:104 Resp: 9637
Ion Ratio Lower Upper
104 100
78 36.3 42.4 63.6#
103 50.2 44.4 66.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion:152 Resp: 88061
Ion Ratio Lower Upper
152 100
115 55.6 28.2 84.7
150 157.5 0.0 347.6

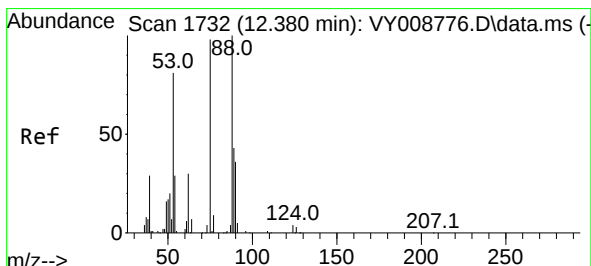
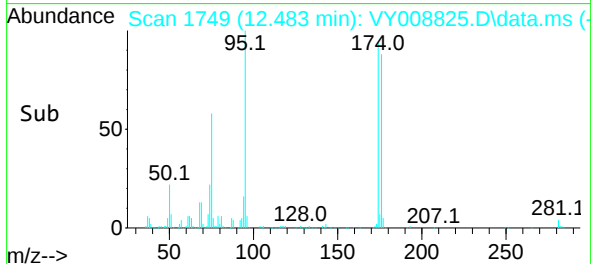
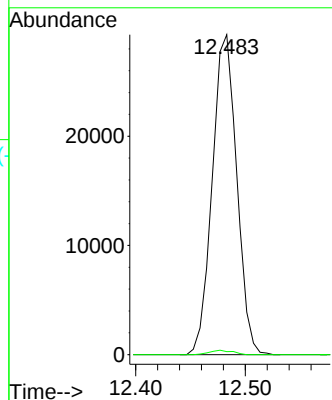
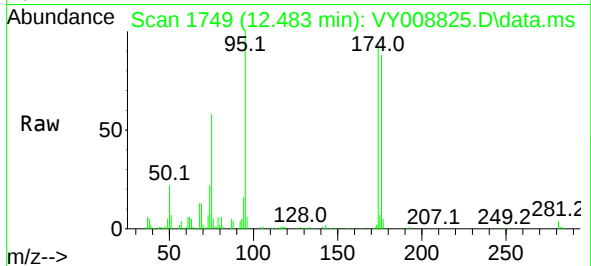




#76
1,2,3-Trichloropropane
Concen: 44.702 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Instrument :
MSVOA_Y
ClientSampleId :
P009-SS003-1218-01

Tgt Ion: 75 Resp: 45472
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 97.776 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY008825.D
Acq: 18 May 2022 19:37

Tgt Ion: 75 Resp: 45472
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

