

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008810.D
 Acq On : 18 May 2022 13:46
 Operator : KP/MD
 Sample : N2781-15
 Misc : 5.54g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P011-SS004-0006-01

Quant Time: May 19 03:10:00 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)

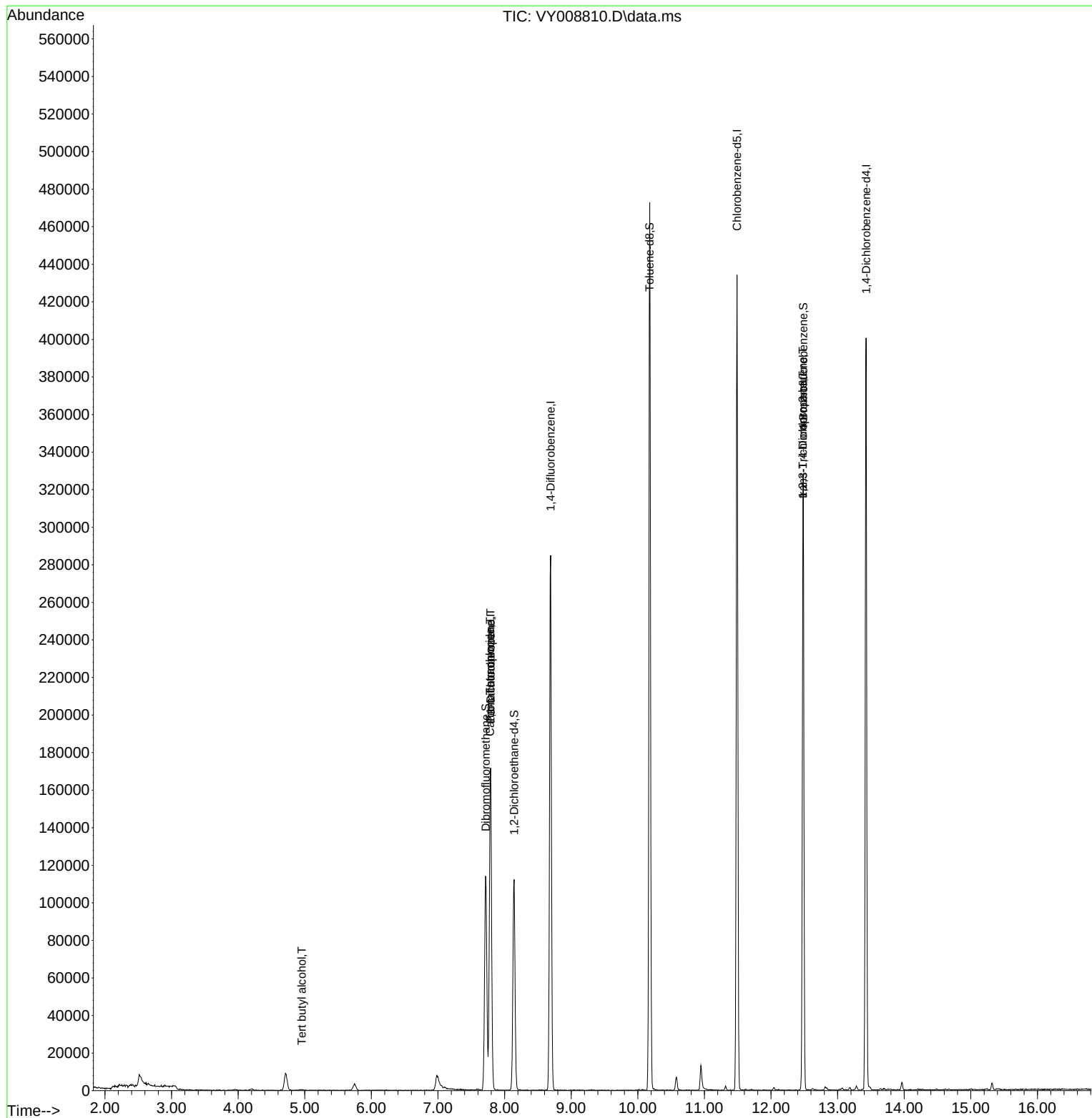
Internal Standards						
1) Pentafluorobenzene	7.789	168	134497	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	238801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	226602	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	96786	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	84326	67.583	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.160%	
35) Dibromofluoromethane	7.716	113	78685	56.394	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 112.780%	
50) Toluene-d8	10.179	98	300798	48.596	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.200%	
62) 4-Bromofluorobenzene	12.483	95	87878	40.423	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.840%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	341	Below Cal	#	63
3) Chloromethane	2.113	50	239	Below Cal		99
4) Vinyl Chloride	2.272	62	34	Below Cal	#	43
5) Bromomethane	2.637	94	54	Below Cal	#	4
6) Chloroethane	2.845	64	41	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	231	Below Cal	#	21
11) Tert butyl alcohol	4.954	59	618	4.481 ug/l	#	77
16) Acetone	3.948	43	515	Below Cal	#	87
18) Methyl Acetate	4.253	43	21	Below Cal	#	56
20) Methylene Chloride	4.722	84	6736	Below Cal	#	77
31) Cyclohexane	7.783	56	3119	Below Cal	#	23
36) 1,1-Dichloropropene	7.789	75	11939	5.343 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	13391	5.591 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	50075	44.789 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	50075	97.967 ug/l	#	7

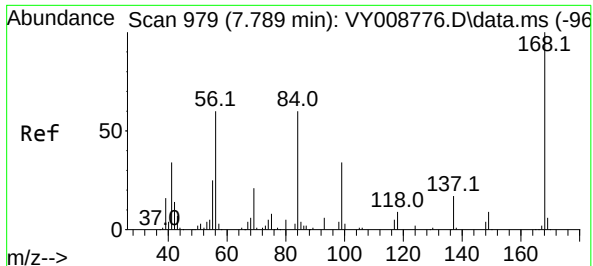
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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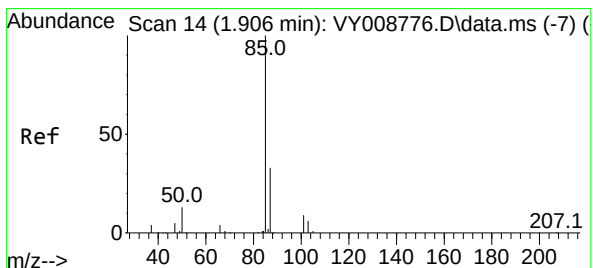
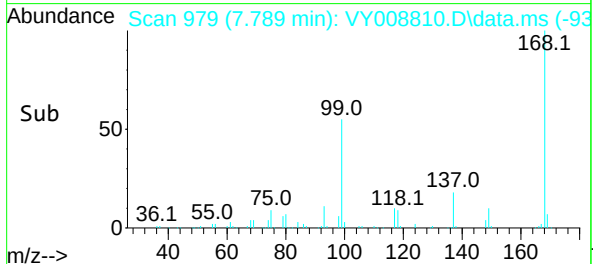
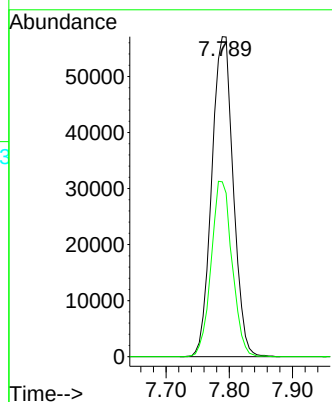
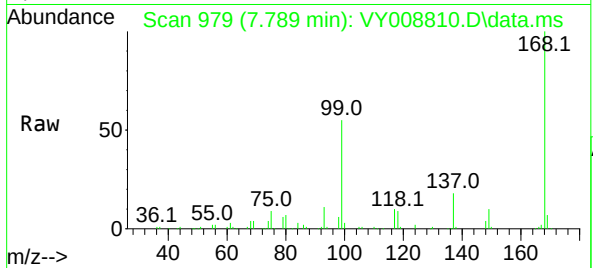




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

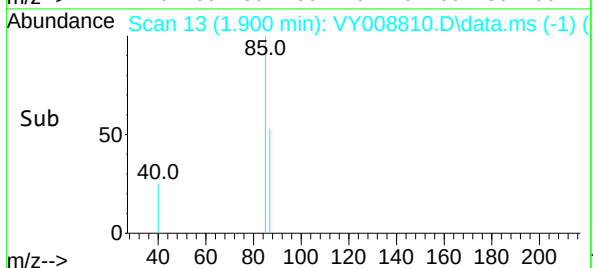
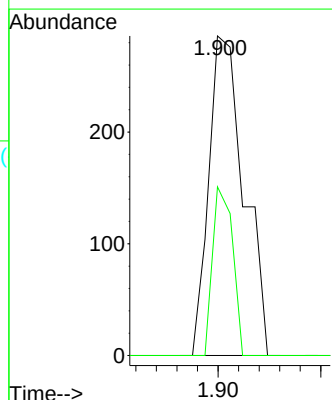
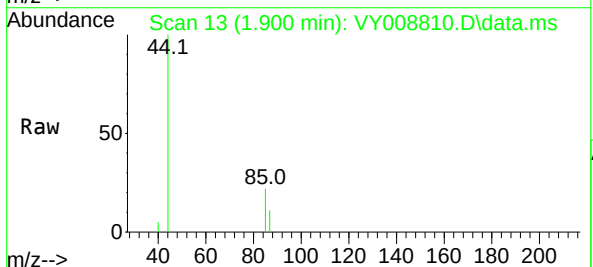
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

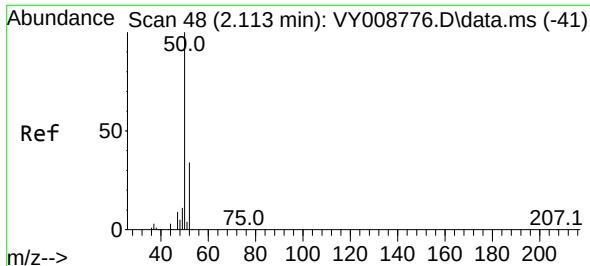
Tgt Ion:168 Resp: 134497
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Tgt Ion: 85 Resp: 341
Ion Ratio Lower Upper
85 100
87 52.8 16.1 48.2#

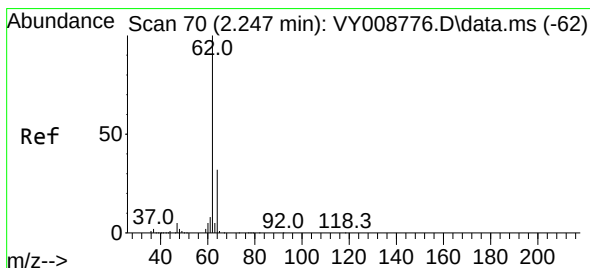
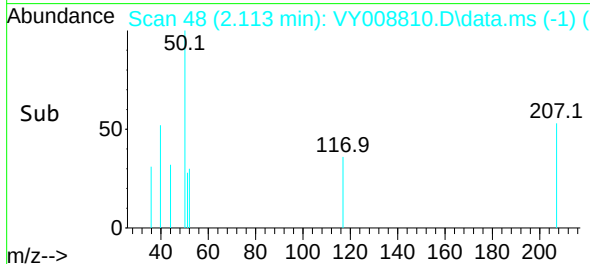
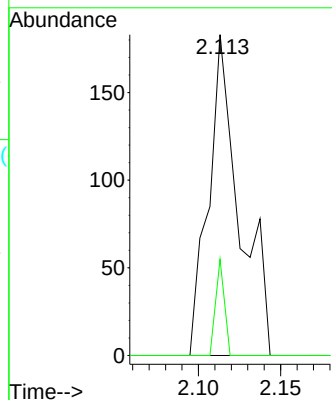
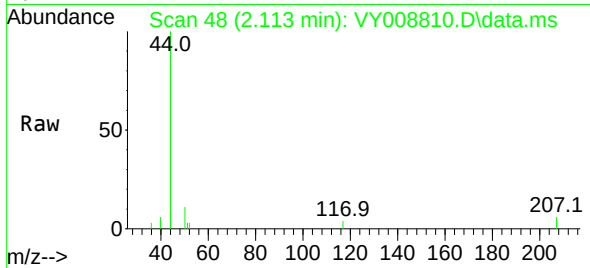




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

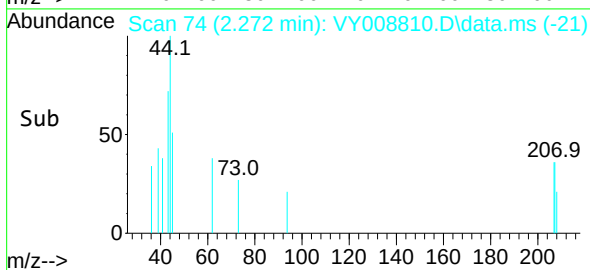
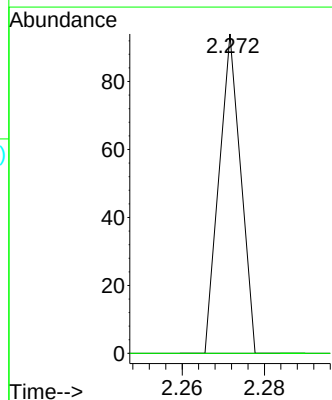
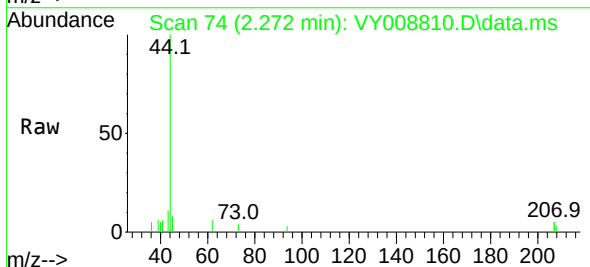
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

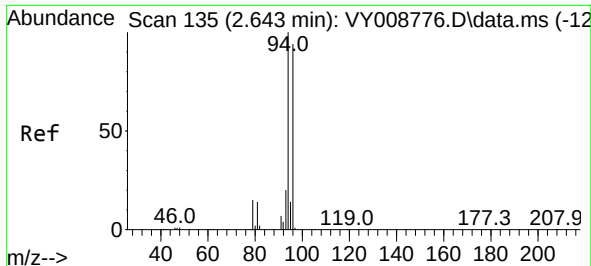
Tgt Ion: 50 Resp: 239
Ion Ratio Lower Upper
50 100
52 30.1 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.272 min Scan# 74
Delta R.T. 0.025 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Tgt Ion: 62 Resp: 34
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

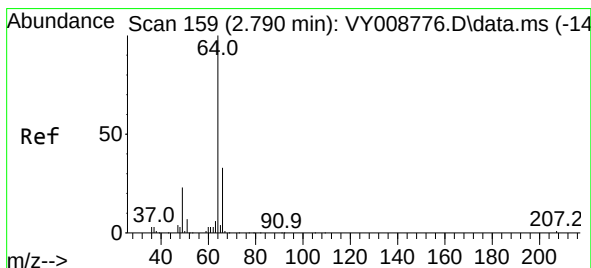
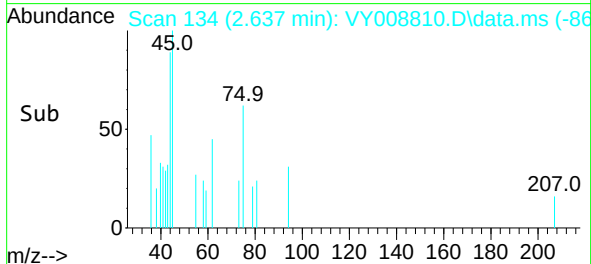
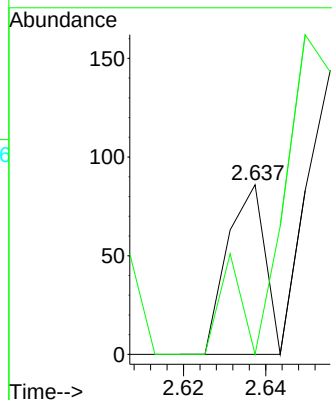
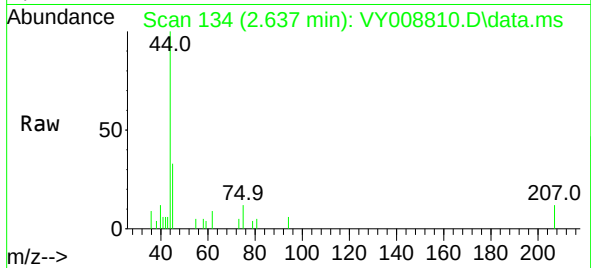




#5
Bromomethane
Concen: Below Cal
RT: 2.637 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

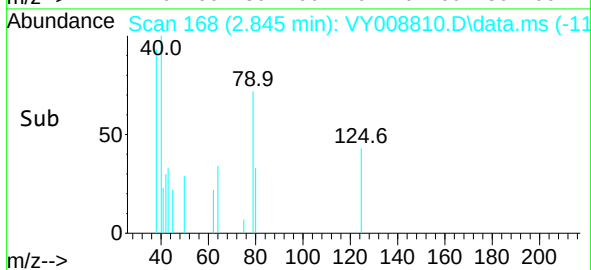
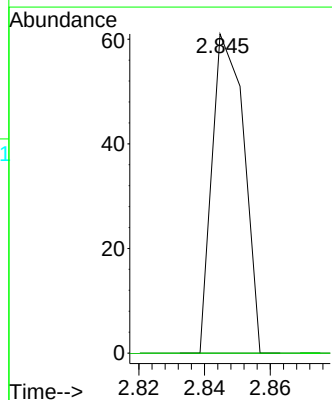
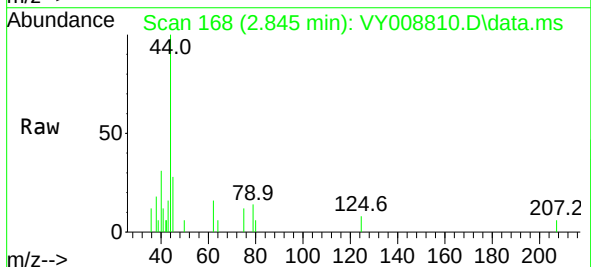
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

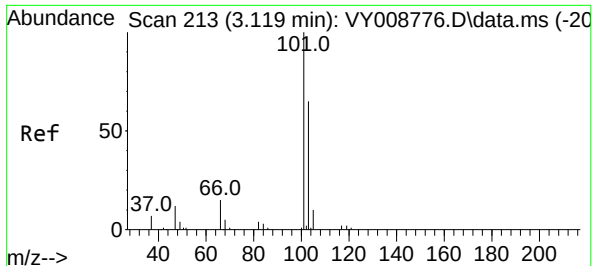
Tgt Ion: 94 Resp: 54
Ion Ratio Lower Upper
94 100
96 0.0 73.5 110.3#



#6
Chloroethane
Concen: Below Cal
RT: 2.845 min Scan# 168
Delta R.T. 0.055 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Tgt Ion: 64 Resp: 41
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#

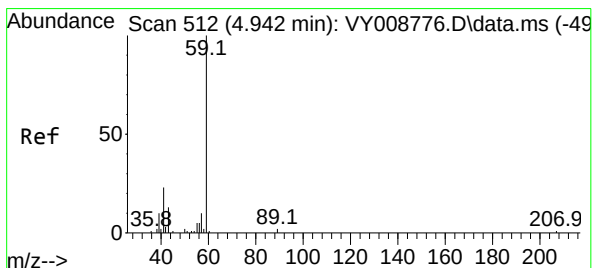
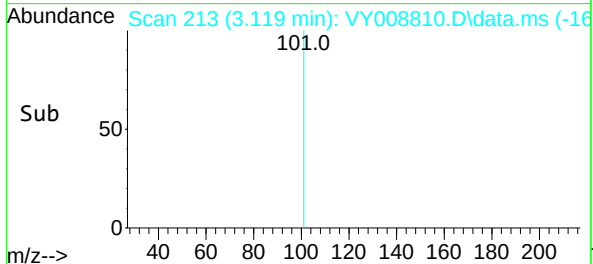
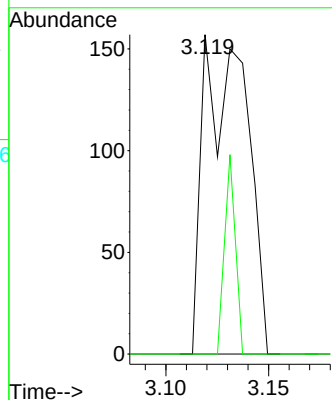
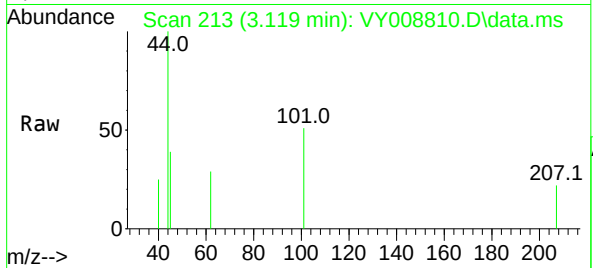




#7
 Trichlorofluoromethane
 Concen: Below Cal
 RT: 3.119 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

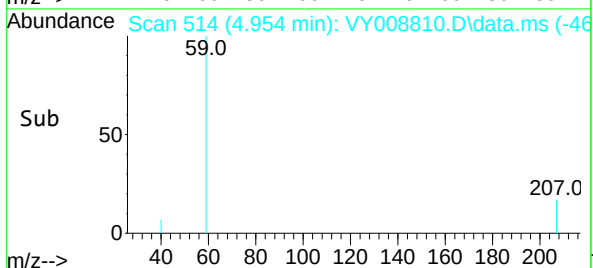
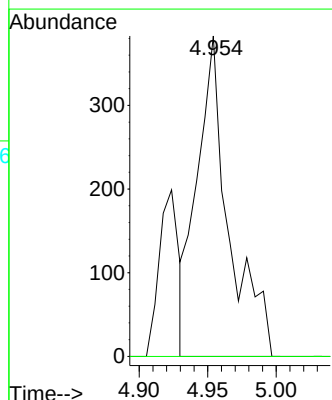
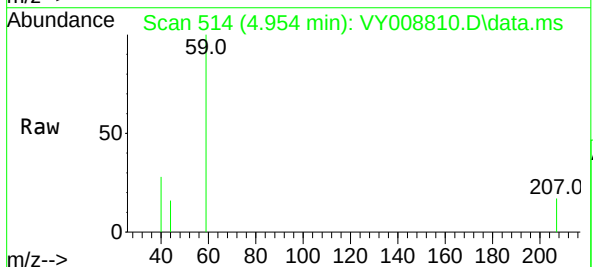
Instrument :
 MSVOA_Y
 ClientSampleId :
 P011-SS004-0006-01

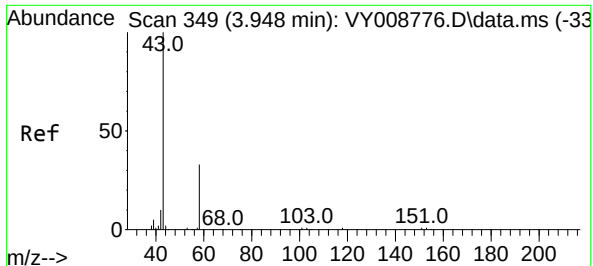
Tgt Ion:101 Resp: 231
 Ion Ratio Lower Upper
 101 100
 103 0.0 48.0 72.0#



#11
 Tert butyl alcohol
 Concen: 4.481 ug/l
 RT: 4.954 min Scan# 514
 Delta R.T. 0.012 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

Tgt Ion: 59 Resp: 618
 Ion Ratio Lower Upper
 59 100
 57 0.0 6.4 9.6#

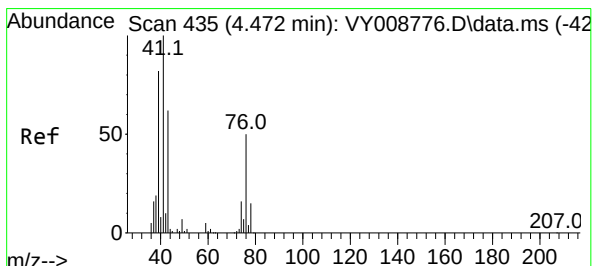
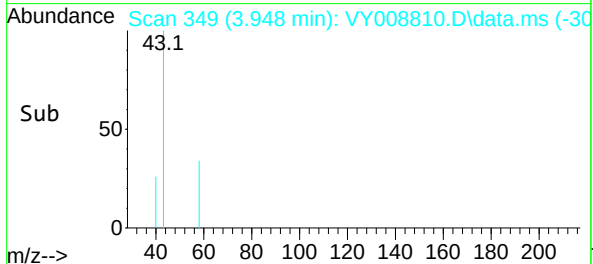
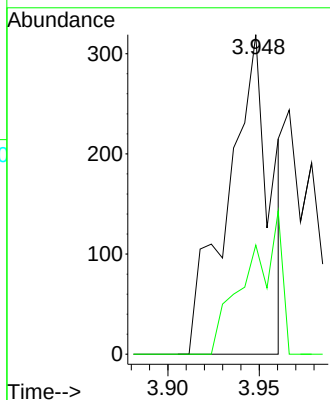
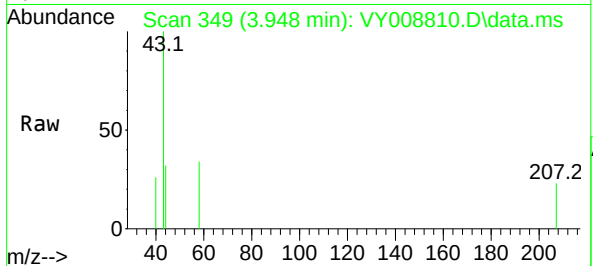




#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

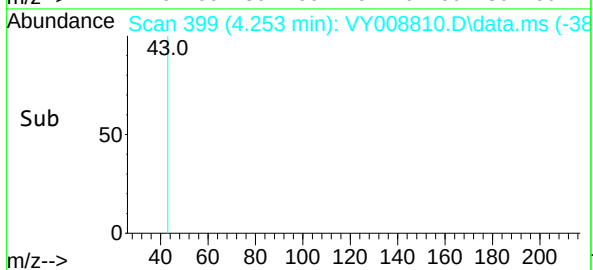
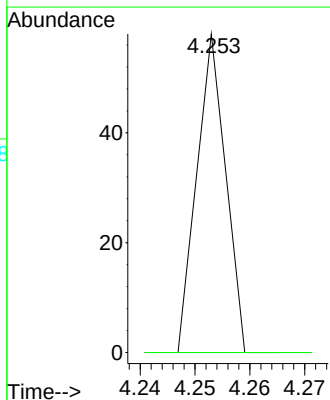
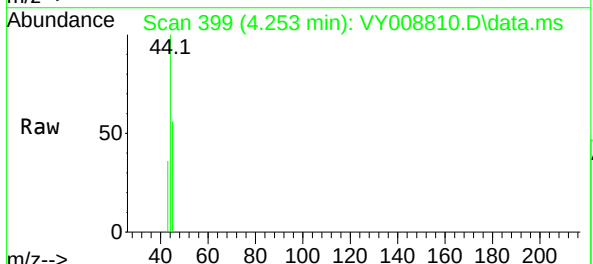
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

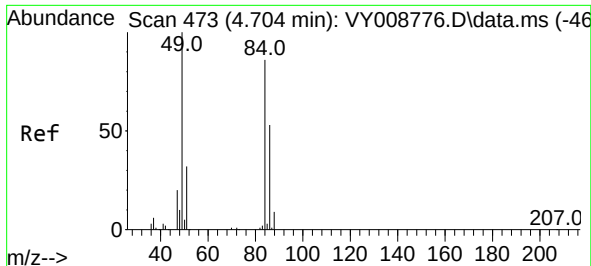
Tgt Ion: 43 Resp: 515
Ion Ratio Lower Upper
43 100
58 34.2 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.253 min Scan# 399
Delta R.T. -0.219 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

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

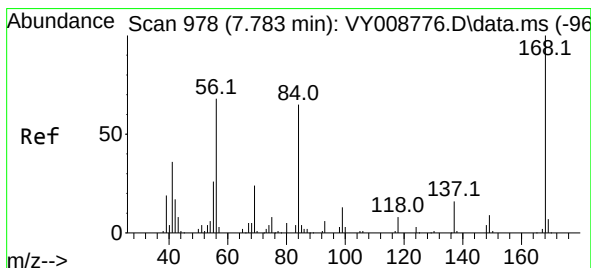
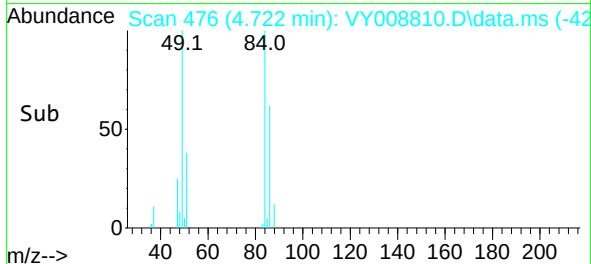
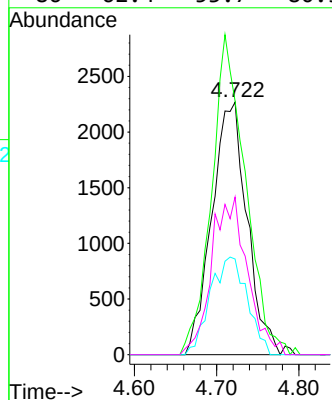
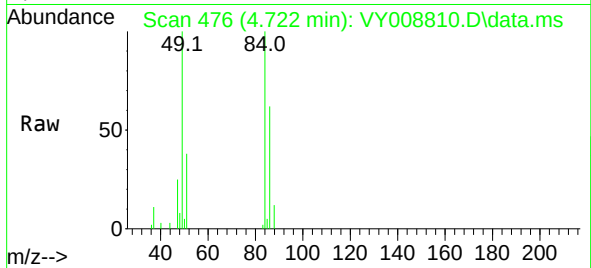




#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.018 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

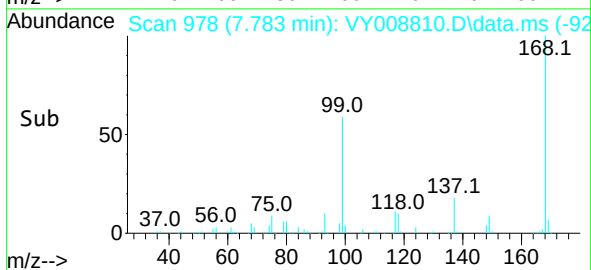
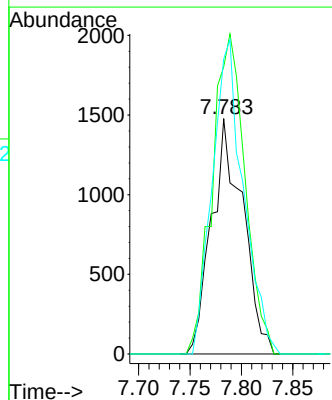
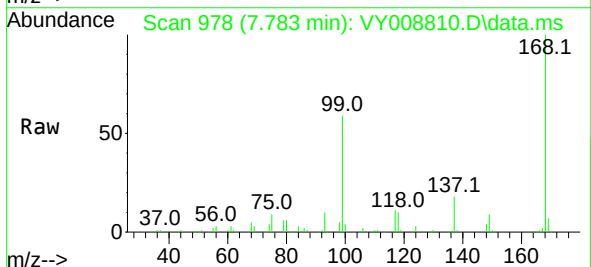
Instrument :
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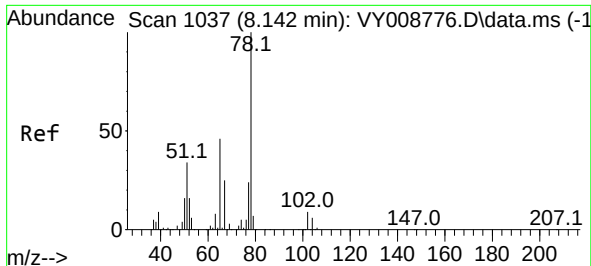
Tgt Ion: 84 Resp: 6736
Ion Ratio Lower Upper
84 100
49 100.5 114.4 171.6#
51 37.9 35.3 52.9
86 62.4 53.7 80.5



#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 978
Delta R.T. -0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Tgt Ion: 56 Resp: 3119
Ion Ratio Lower Upper
56 100
69 122.0 26.7 40.1#
84 125.2 67.2 100.8#

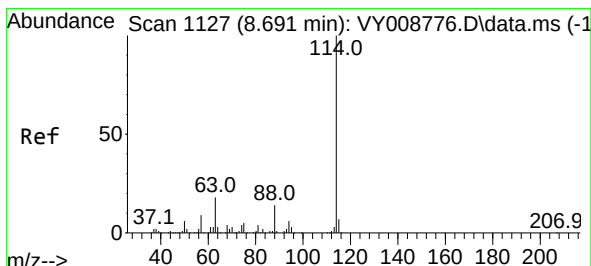
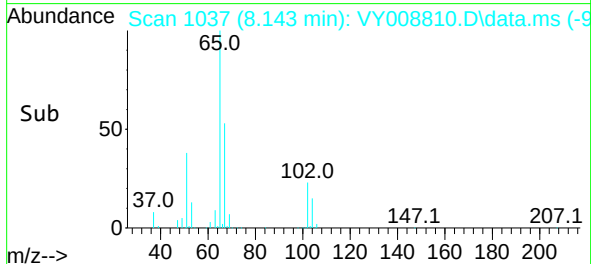
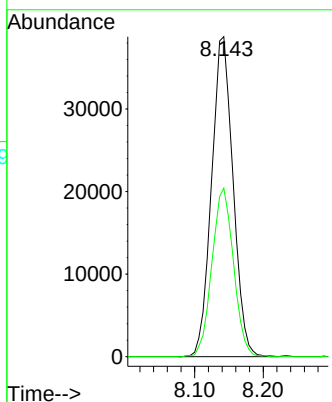
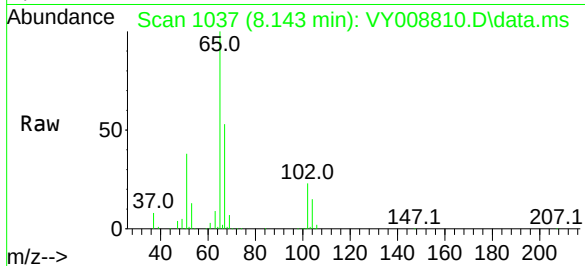




#33
 1,2-Dichloroethane-d4
 Concen: 67.583 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. 0.000 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

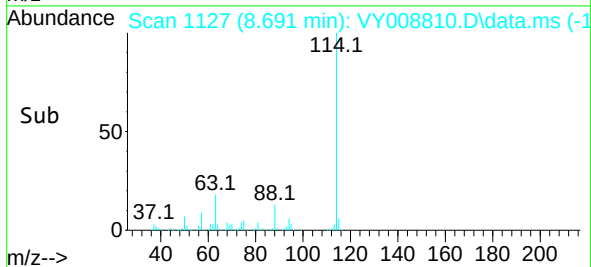
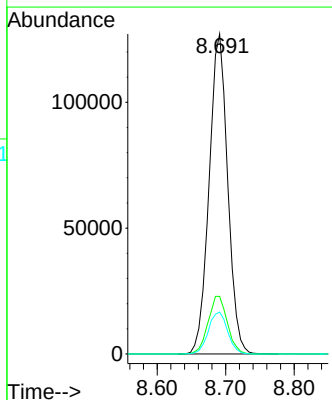
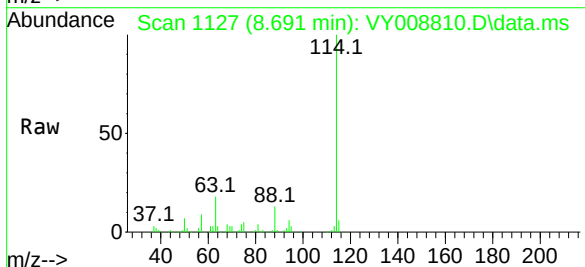
Instrument :
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 P011-SS004-0006-01

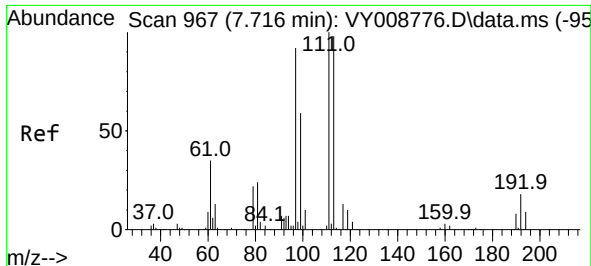
Tgt Ion: 65 Resp: 84326
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

Tgt Ion: 114 Resp: 238801
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 43.2
 88 13.1 0.0 31.8

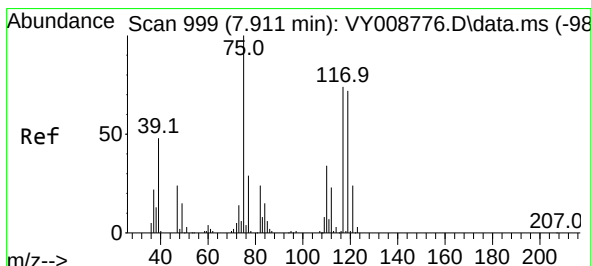
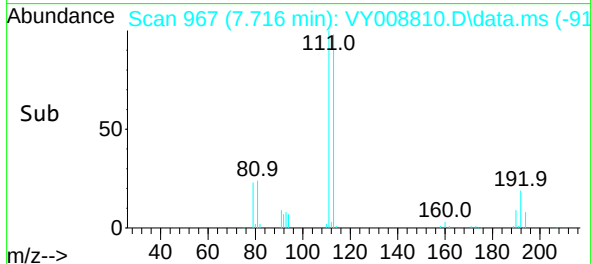
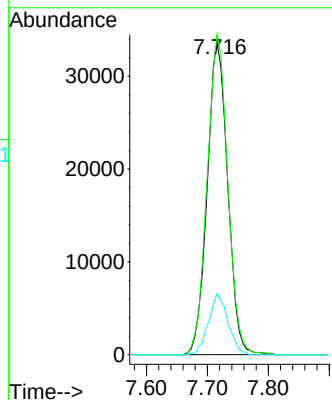
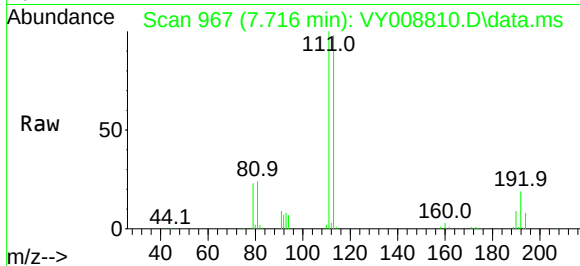




#35
Dibromofluoromethane
Concen: 56.394 ug/l
RT: 7.716 min Scan# 911
Delta R.T. 0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

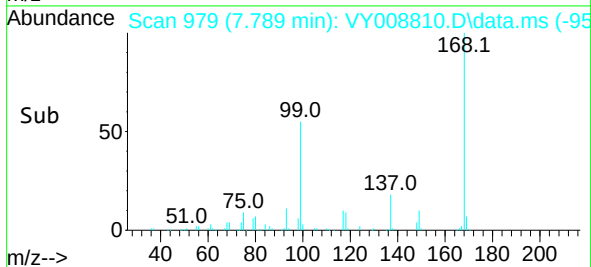
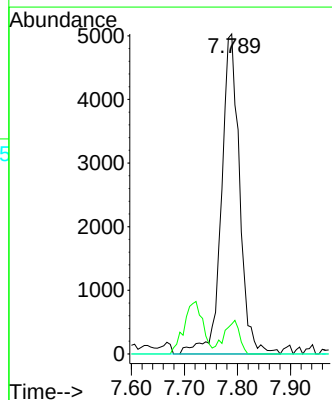
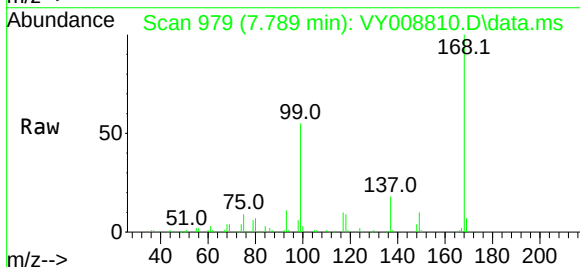
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

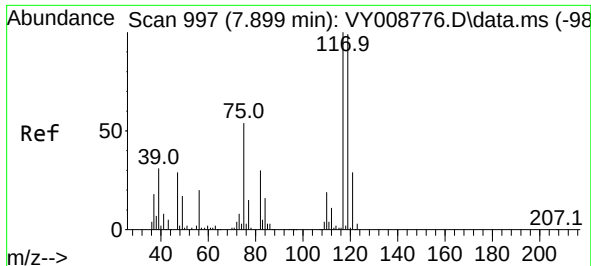
Tgt Ion:113 Resp: 78685
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 18.6 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.343 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

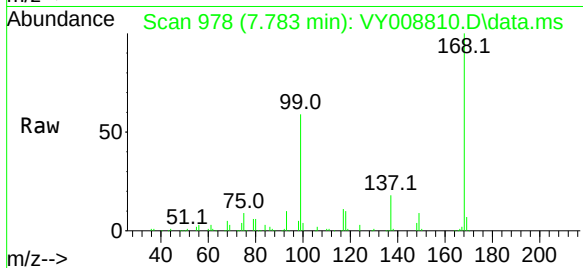
Tgt Ion: 75 Resp: 11939
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#



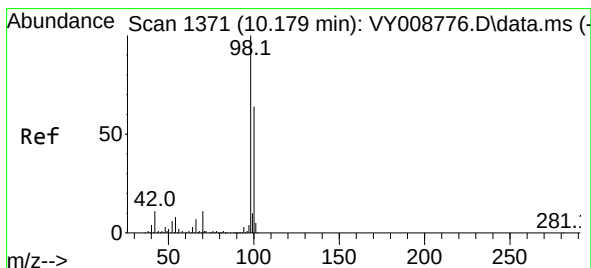
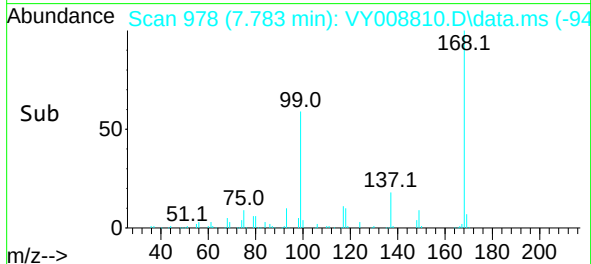
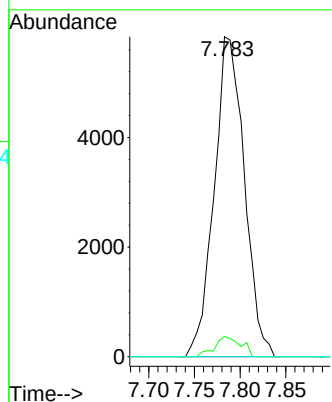


#38
Carbon Tetrachloride
Concen: 5.591 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

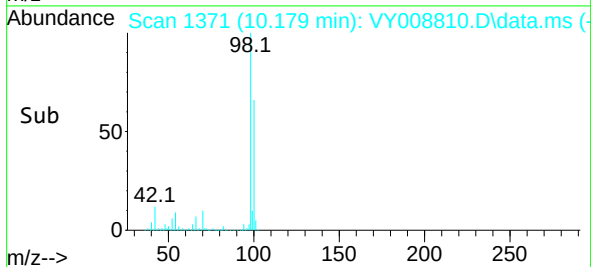
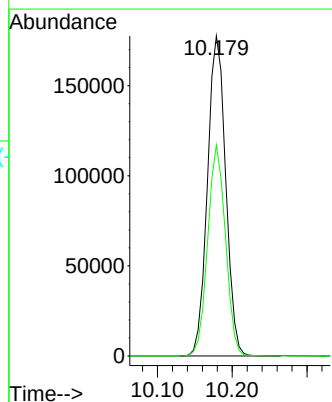
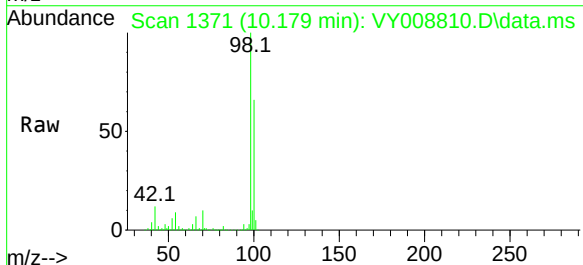


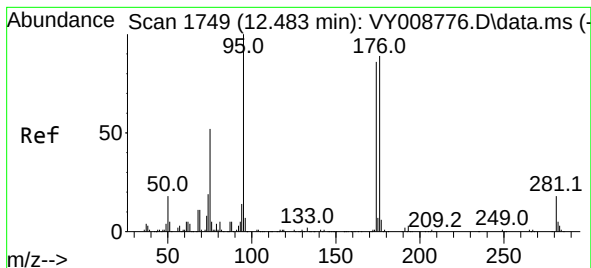
Tgt Ion:117 Resp: 13391
Ion Ratio Lower Upper
117 100
119 6.3 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 48.596 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Tgt Ion: 98 Resp: 300798
Ion Ratio Lower Upper
98 100
100 64.3 50.2 75.2

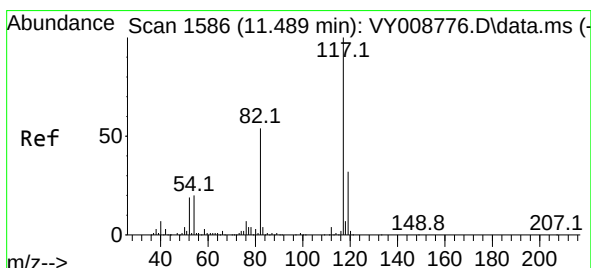
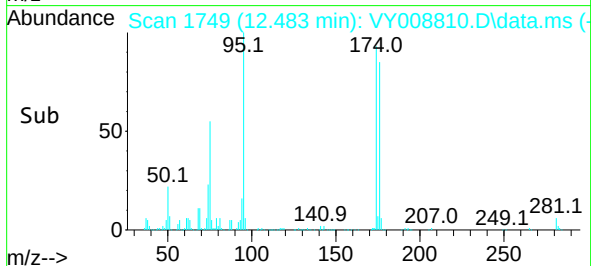
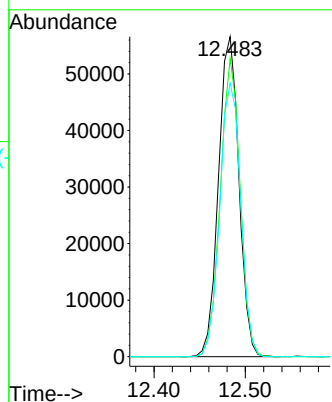
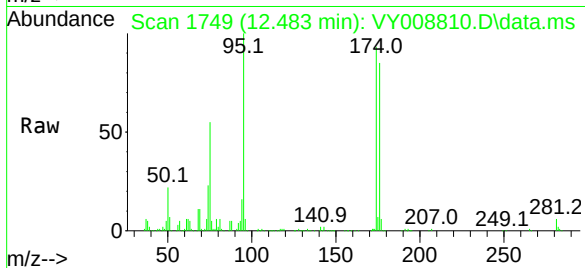




#62
4-Bromofluorobenzene
Concen: 40.423 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

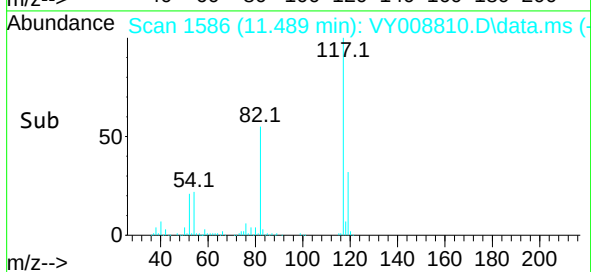
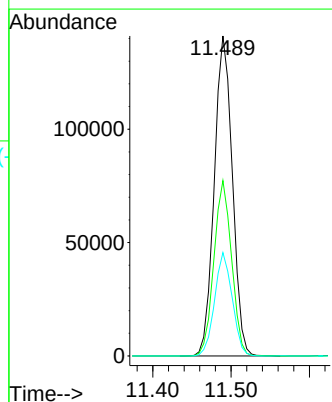
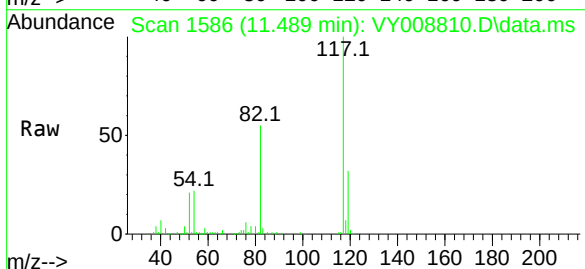
Instrument :
MSVOA_Y
ClientSampleId :
P011-SS004-0006-01

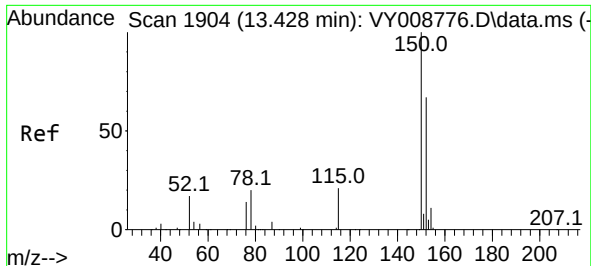
Tgt Ion: 95 Resp: 87878
Ion Ratio Lower Upper
95 100
174 91.0 0.0 177.0
176 87.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY008810.D
Acq: 18 May 2022 13:46

Tgt Ion: 117 Resp: 226602
Ion Ratio Lower Upper
117 100
82 54.8 43.0 64.4
119 32.3 25.4 38.0

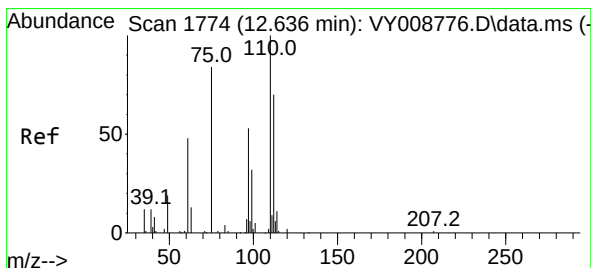
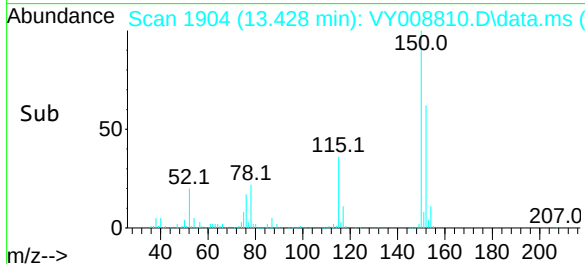
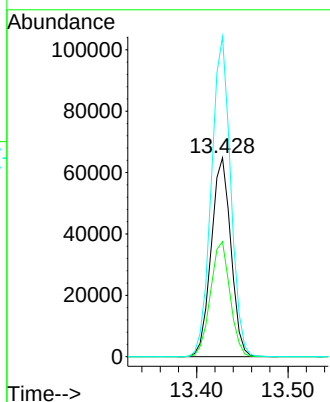
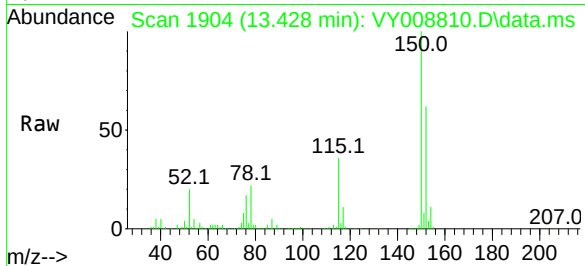




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

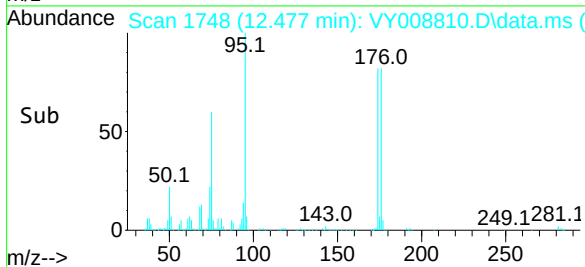
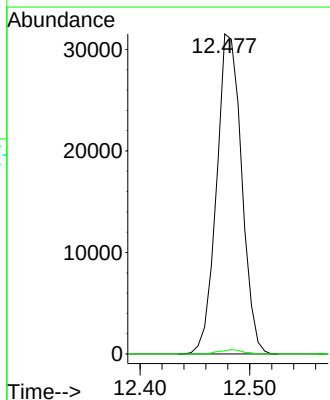
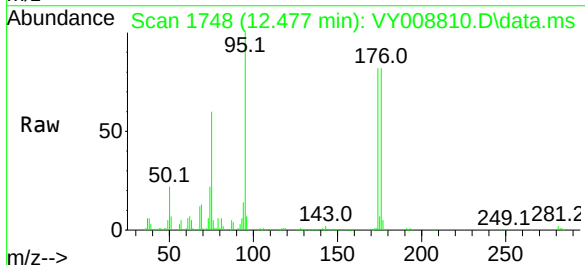
Instrument :
 MSVOA_Y
 ClientSampleId :
 P011-SS004-0006-01

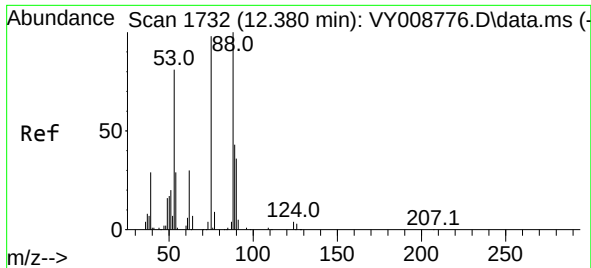
Tgt Ion:152 Resp: 96786
 Ion Ratio Lower Upper
 152 100
 115 57.5 28.2 84.7
 150 157.8 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 44.789 ug/l
 RT: 12.477 min Scan# 1748
 Delta R.T. -0.158 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

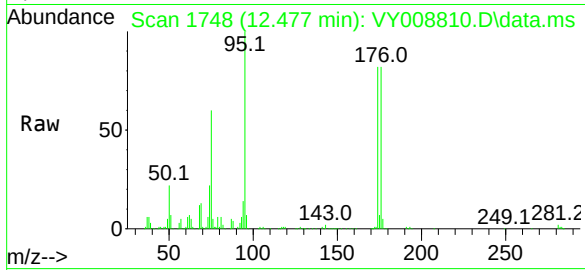
Tgt Ion: 75 Resp: 50075
 Ion Ratio Lower Upper
 75 100
 77 1.2 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 97.967 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.098 min
 Lab File: VY008810.D
 Acq: 18 May 2022 13:46

Instrument :
 MSVOA_Y
 ClientSampleId :
 P011-SS004-0006-01



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

