

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008814.D
 Acq On : 18 May 2022 15:19
 Operator : KP/MD
 Sample : N2869-06
 Misc : 5.24g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P029-SS001-0006-01

Quant Time: May 19 03:10:50 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)

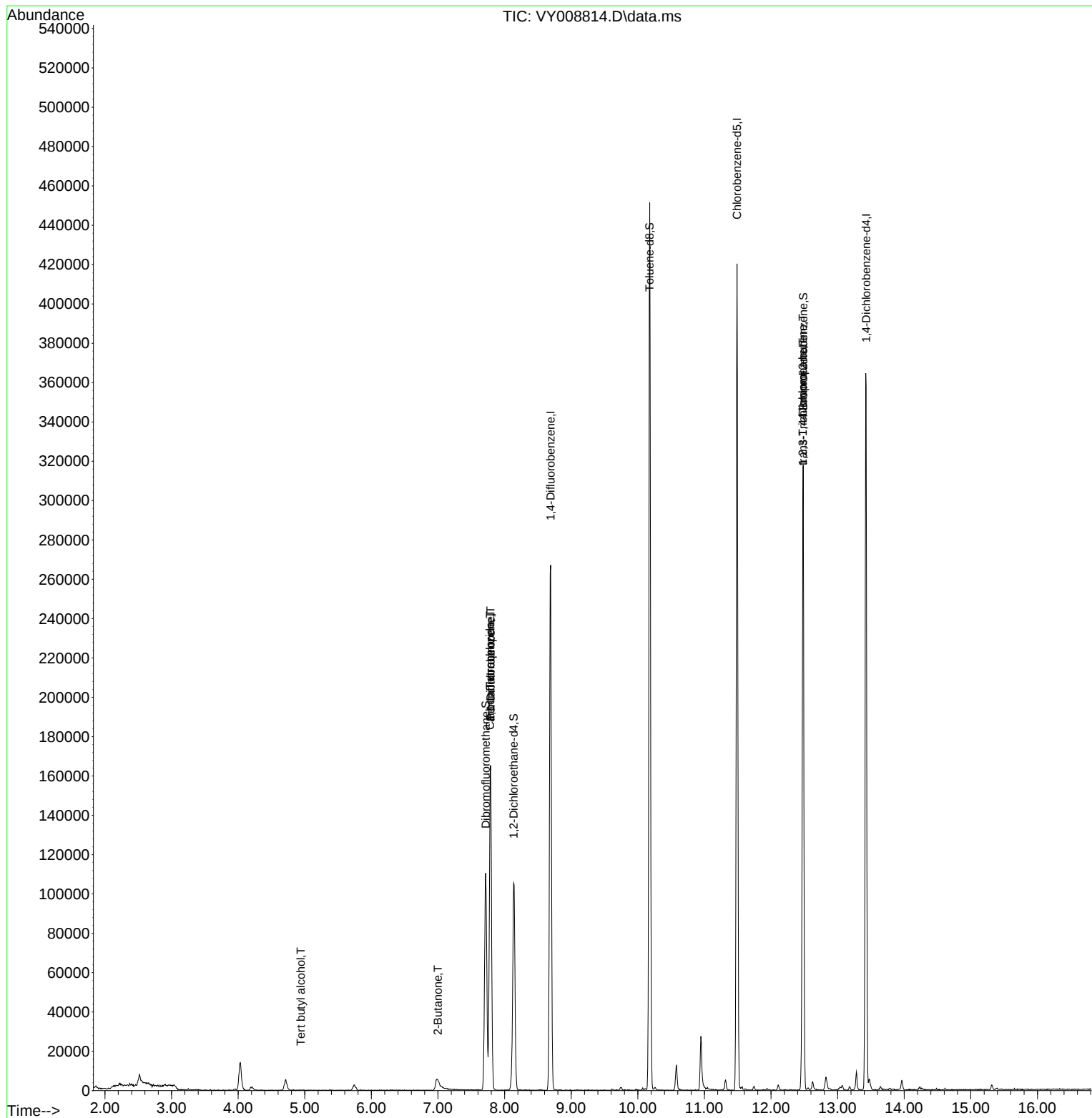
Internal Standards						
1) Pentafluorobenzene	7.789	168	127122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	229295	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	218561	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	90062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	77842	66.006	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 132.020%			
35) Dibromofluoromethane	7.716	113	75294	56.201	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 112.400%			
50) Toluene-d8	10.179	98	288214	48.500	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 97.000%			
62) 4-Bromofluorobenzene	12.483	95	84003	40.258	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 80.520%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.113	50	202	Below Cal	#	45
4) Vinyl Chloride	2.247	62	45	Below Cal	#	43
5) Bromomethane	2.662	94	183	Below Cal	#	27
6) Chloroethane	2.802	64	20	Below Cal	#	43
7) Trichlorofluoromethane	2.881	101	19	Below Cal	#	21
11) Tert butyl alcohol	4.942	59	132	1.013 ug/l	#	77
16) Acetone	3.948	43	875	Below Cal	#	64
17) Carbon Disulfide	4.210	76	127	Below Cal	#	75
18) Methyl Acetate	4.387	43	20	Below Cal	#	56
20) Methylene Chloride	4.710	84	3690	Below Cal	#	72
25) 2-Butanone	6.996	43	550	1.111 ug/l	#	54
31) Cyclohexane	7.783	56	3111	Below Cal	#	12
36) 1,1-Dichloropropene	7.789	75	10344	4.821 ug/l	#	51
38) Carbon Tetrachloride	7.783	117	13100	5.697 ug/l	#	16
76) 1,2,3-Trichloropropane	12.477	75	47466	45.625 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	47466	99.795 ug/l	#	7

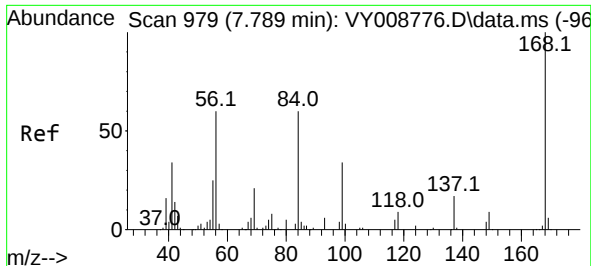
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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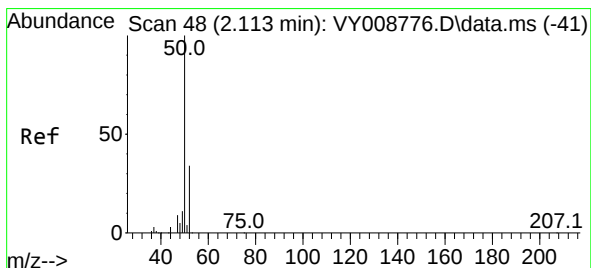
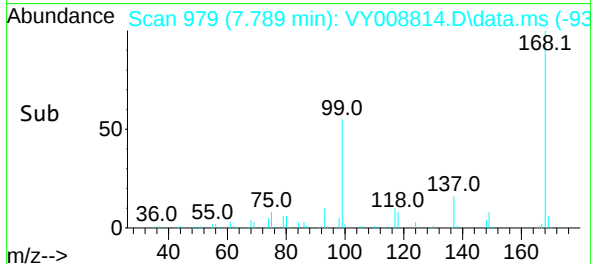
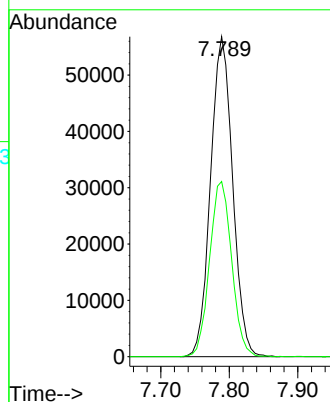
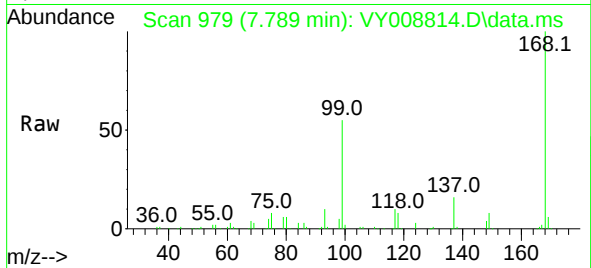




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

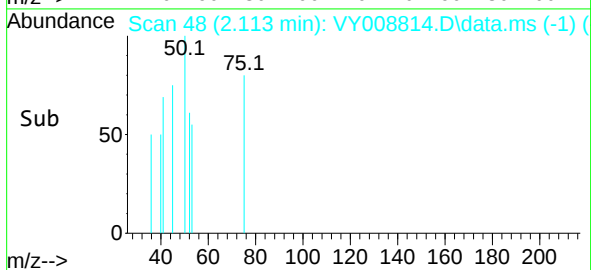
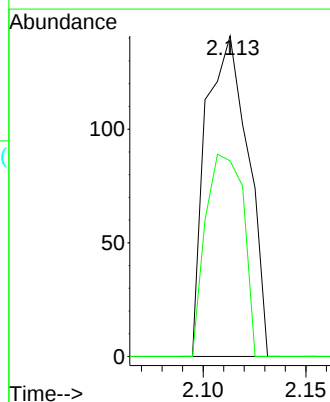
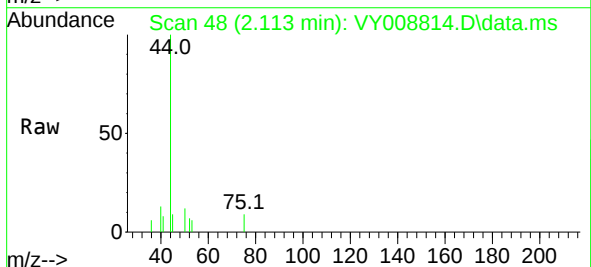
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

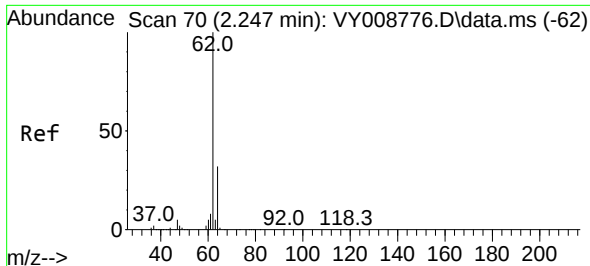
Tgt Ion:168 Resp: 127122
Ion Ratio Lower Upper
168 100
99 54.8 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. 0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 50 Resp: 202
Ion Ratio Lower Upper
50 100
52 61.0 24.6 37.0#

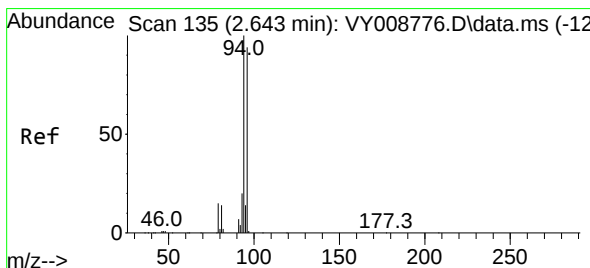
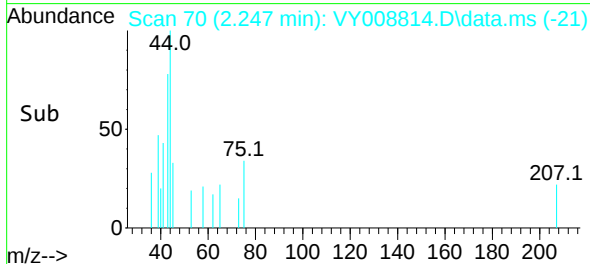
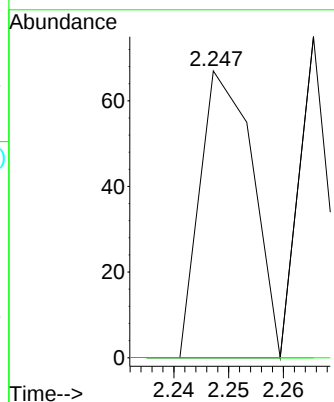
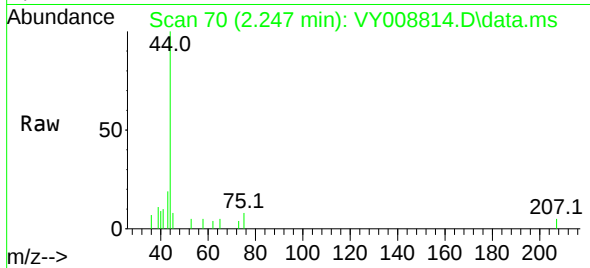




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.247 min Scan# 70
 Delta R.T. 0.000 min
 Lab File: VY008814.D
 Acq: 18 May 2022 15:19

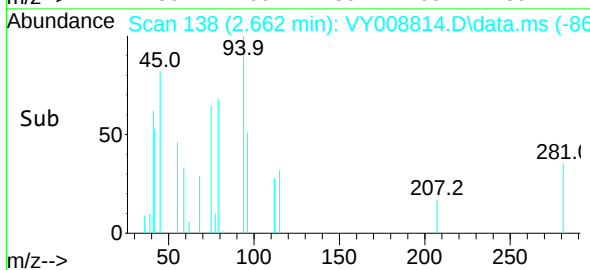
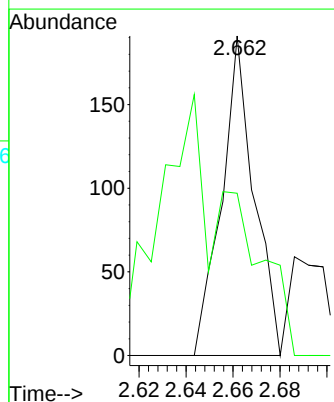
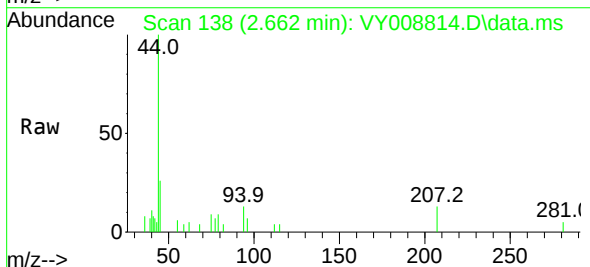
Instrument :
 MSVOA_Y
 ClientSampleId :
 P029-SS001-0006-01

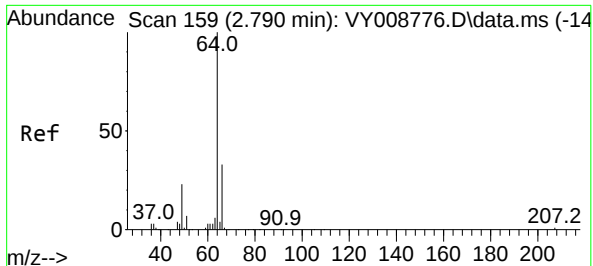
Tgt Ion: 62 Resp: 45
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.019 min
 Lab File: VY008814.D
 Acq: 18 May 2022 15:19

Tgt Ion: 94 Resp: 183
 Ion Ratio Lower Upper
 94 100
 96 22.5 73.5 110.3#

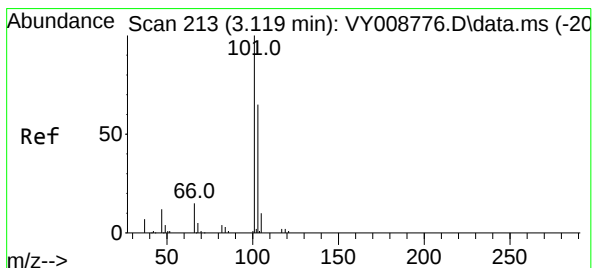
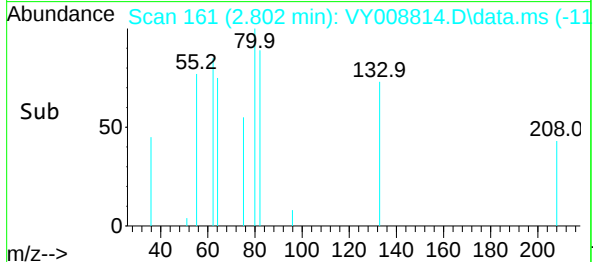
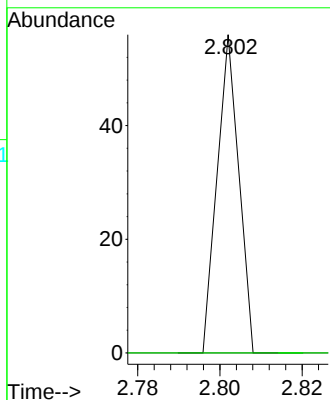
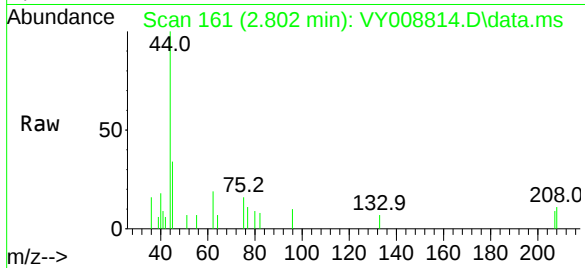




#6
Chloroethane
Concen: Below Cal
RT: 2.802 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

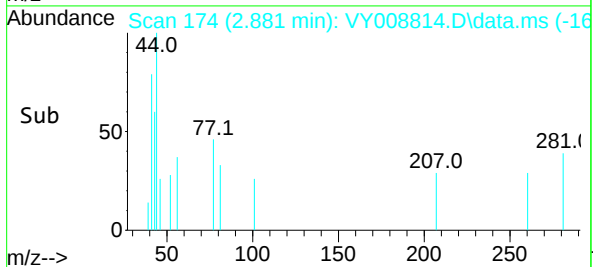
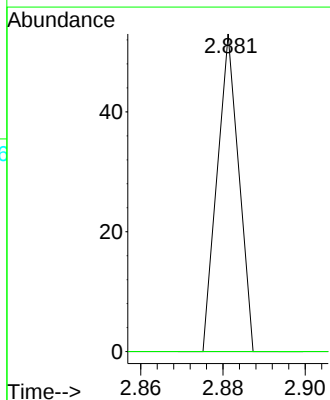
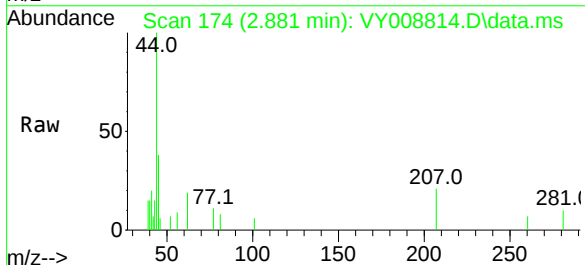
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

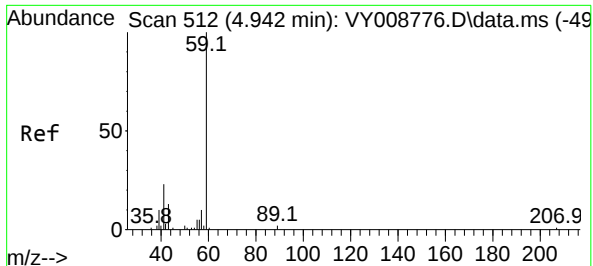
Tgt Ion: 64 Resp: 20
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#7
Trichlorofluoromethane
Concen: Below Cal
RT: 2.881 min Scan# 174
Delta R.T. -0.238 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 101 Resp: 19
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#

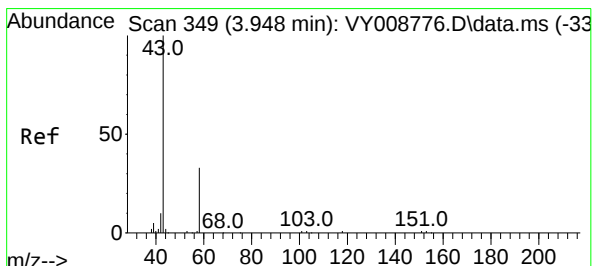
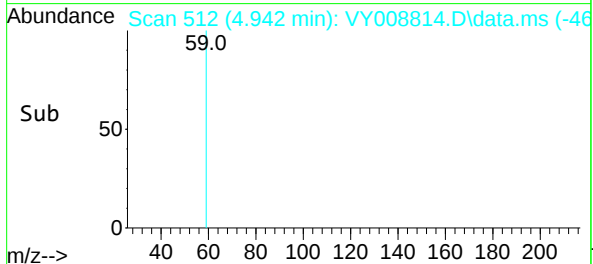
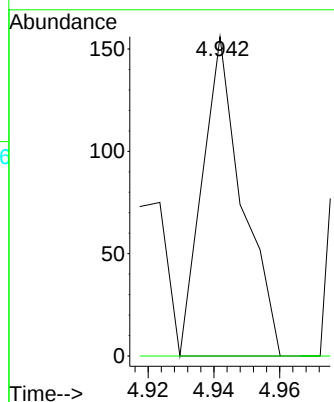
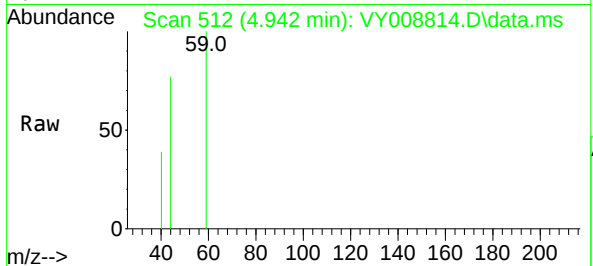




#11
Tert butyl alcohol
Concen: 1.013 ug/l
RT: 4.942 min Scan# 512
Delta R.T. 0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

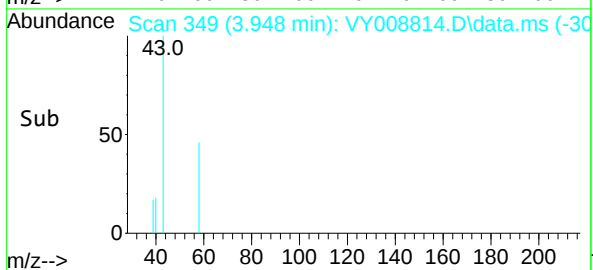
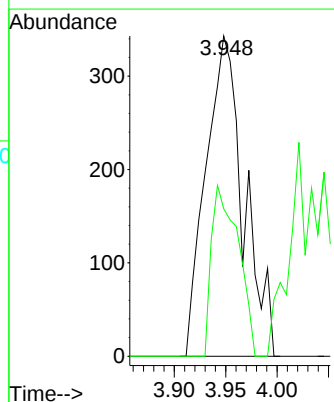
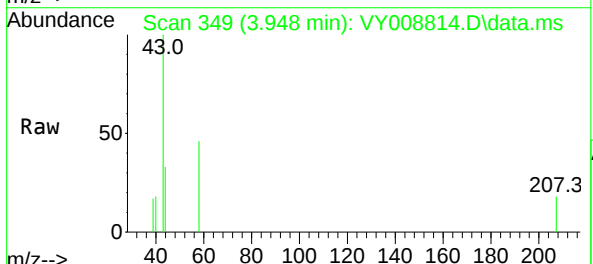
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

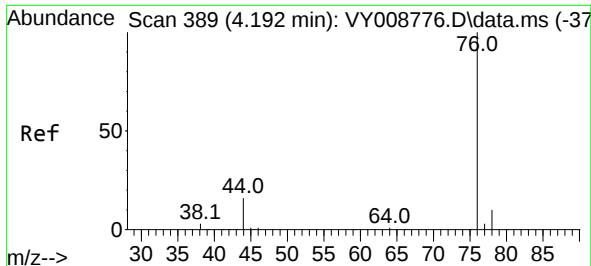
Tgt Ion: 59 Resp: 132
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: Below Cal
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 43 Resp: 875
Ion Ratio Lower Upper
43 100
58 46.1 22.0 33.0#

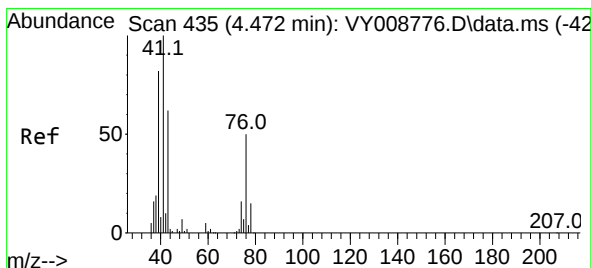
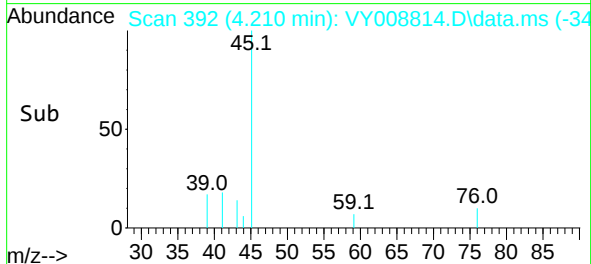
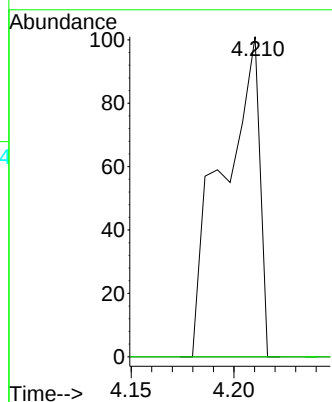
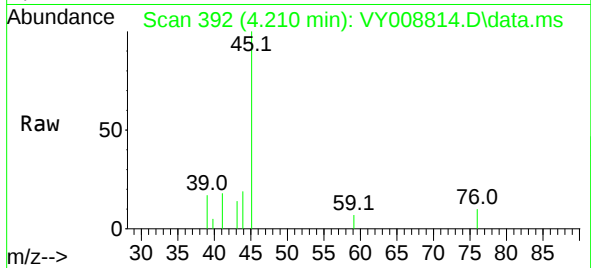




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.210 min Scan# 34
Delta R.T. 0.018 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

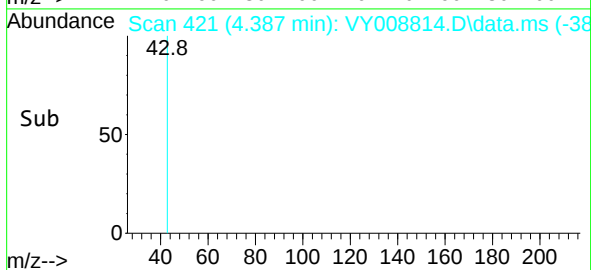
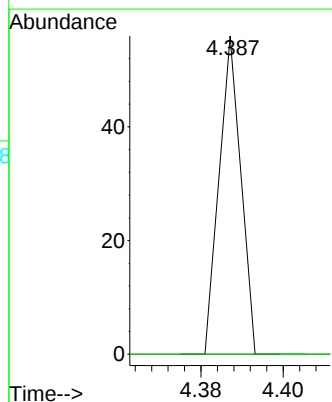
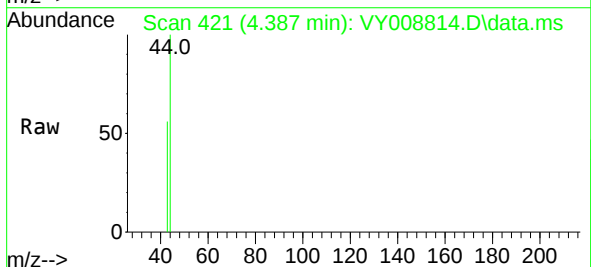
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

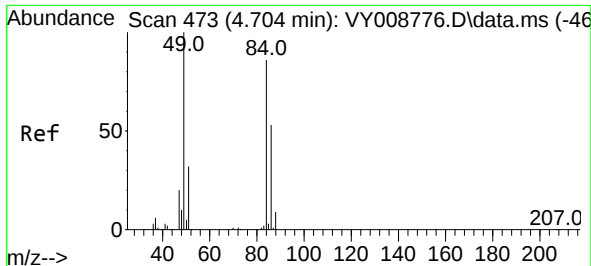
Tgt Ion: 76 Resp: 127
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.387 min Scan# 421
Delta R.T. -0.085 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

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: VY008814.D

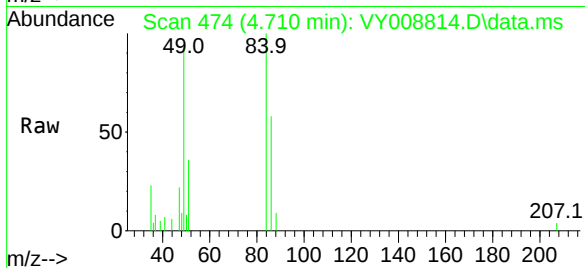
Acq: 18 May 2022 15:19

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-0006-01



Tgt Ion: 84 Resp: 3690

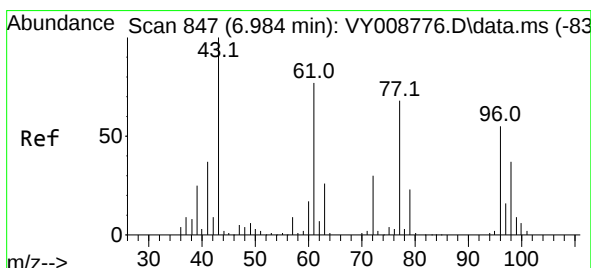
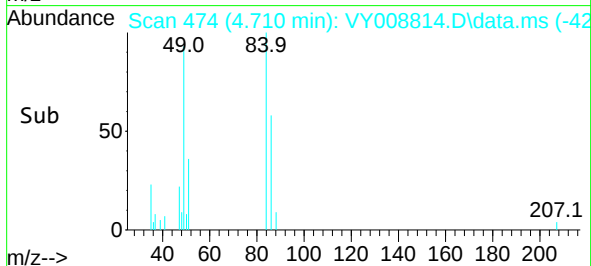
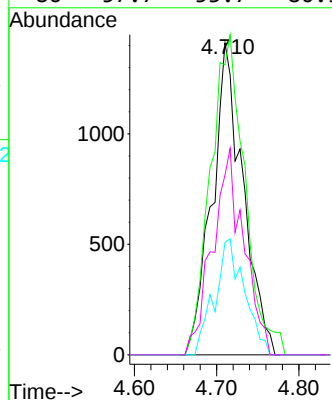
Ion Ratio Lower Upper

84 100

49 93.1 114.4 171.6#

51 36.1 35.3 52.9

86 57.7 53.7 80.5



#25

2-Butanone

Concen: 1.111 ug/l

RT: 6.996 min Scan# 849

Delta R.T. 0.012 min

Lab File: VY008814.D

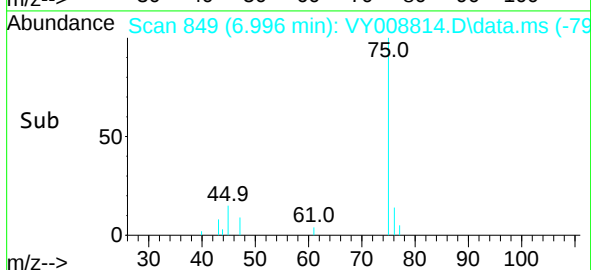
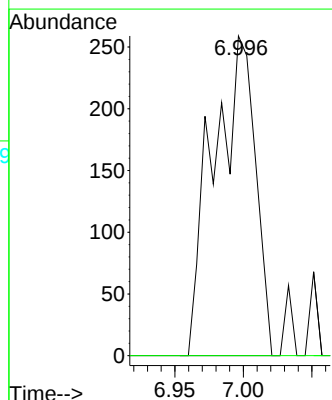
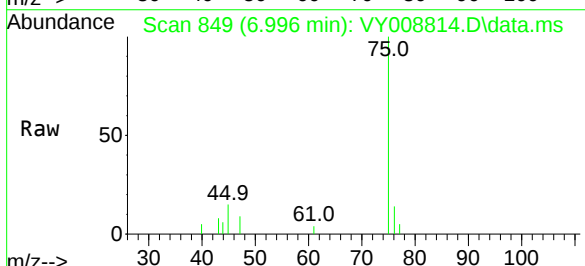
Acq: 18 May 2022 15:19

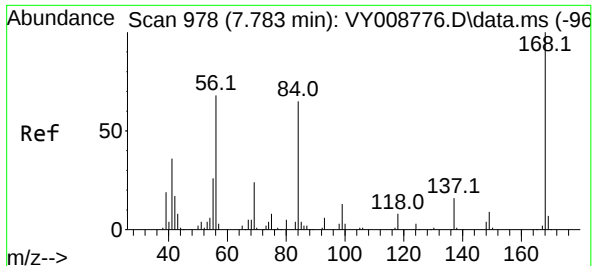
Tgt Ion: 43 Resp: 550

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#

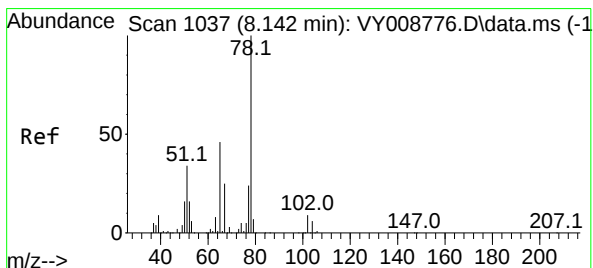
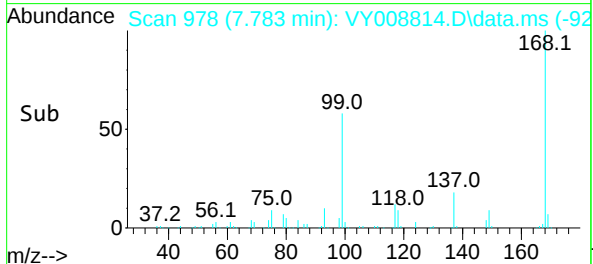
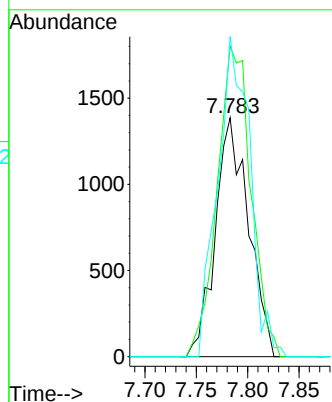
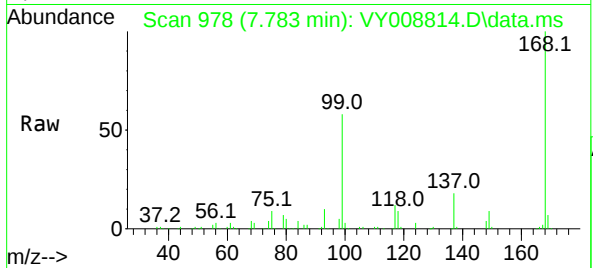




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

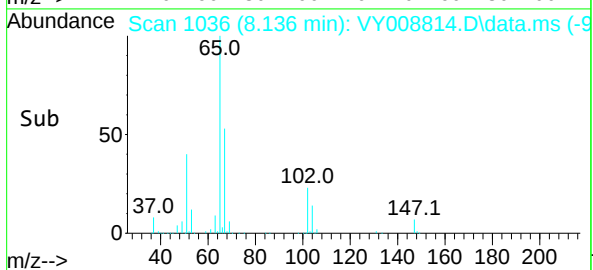
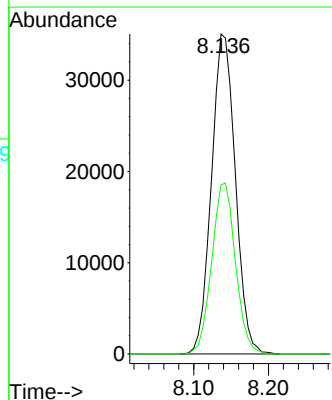
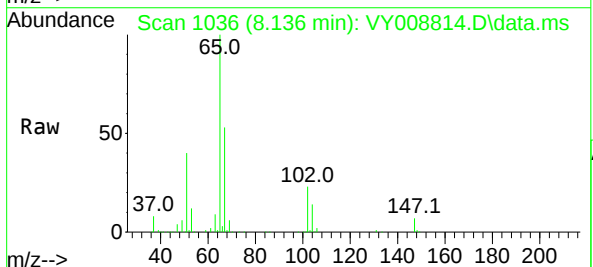
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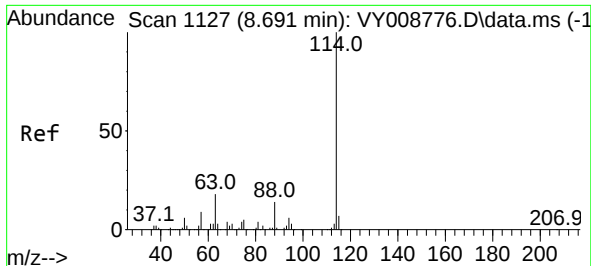
Tgt Ion: 56 Resp: 3111
Ion Ratio Lower Upper
56 100
69 130.0 26.7 40.1#
84 134.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 66.006 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 65 Resp: 77842
Ion Ratio Lower Upper
65 100
67 53.0 0.0 99.4

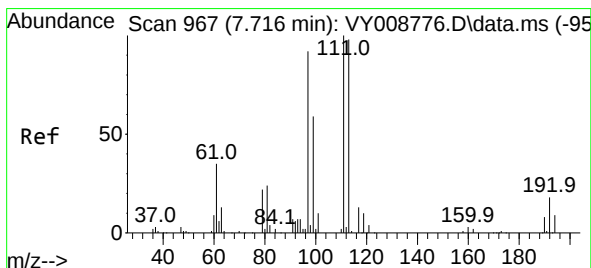
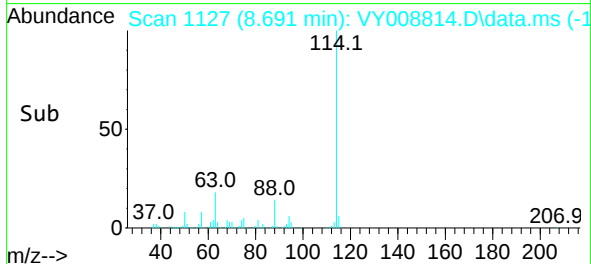
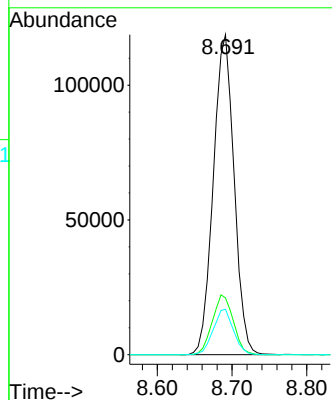
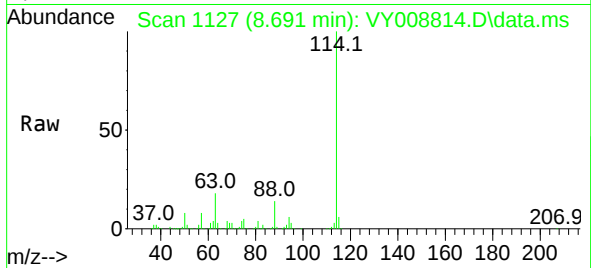




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

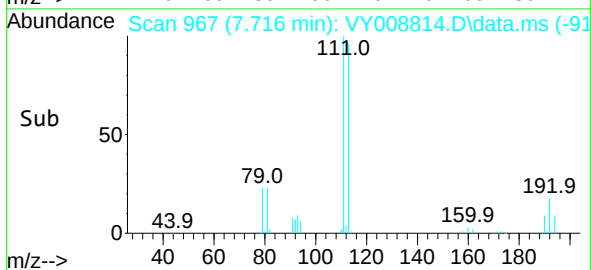
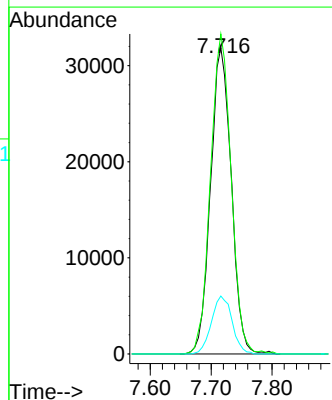
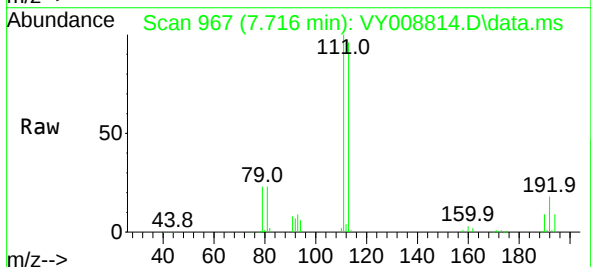
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

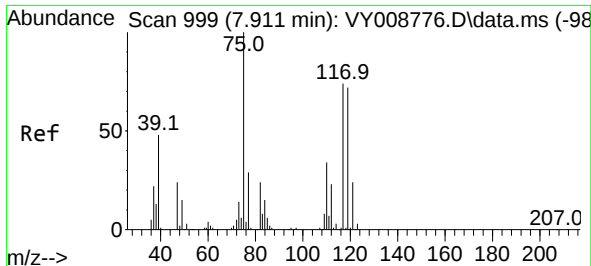
Tgt Ion:	114	Resp:	229295
Ion Ratio	Lower	Upper	
114	100		
63	17.7	0.0	43.2
88	14.2	0.0	31.8



#35
Dibromofluoromethane
Concen: 56.201 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion:	113	Resp:	75294
Ion Ratio	Lower	Upper	
113	100		
111	104.3	82.6	124.0
192	18.8	17.6	26.4

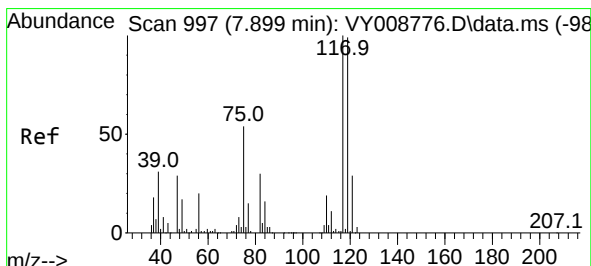
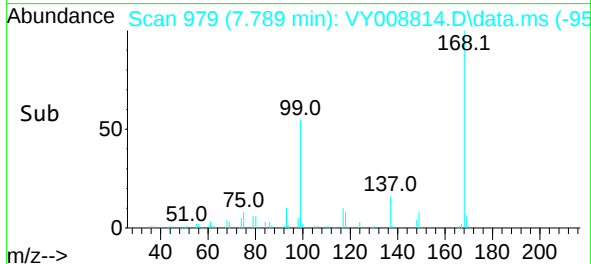
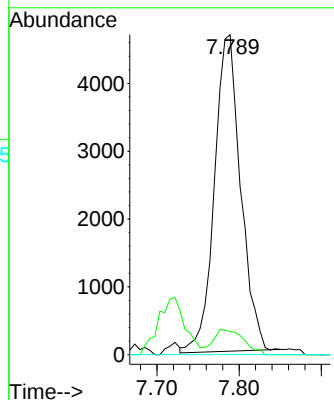
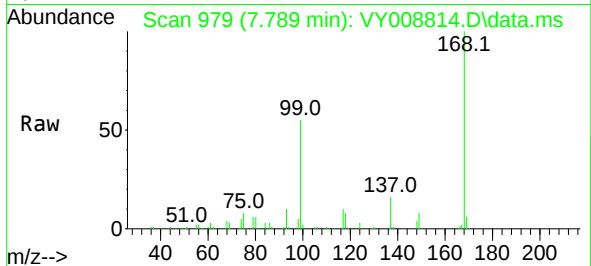




#36
1,1-Dichloropropene
Concen: 4.821 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

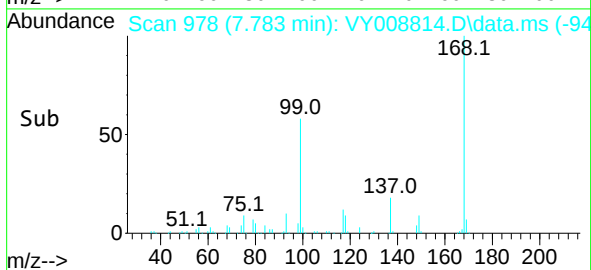
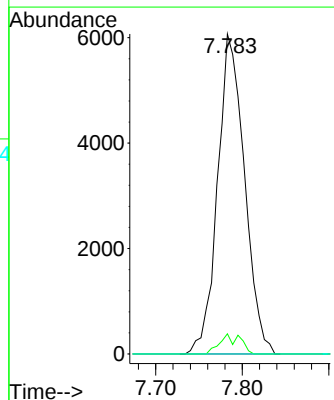
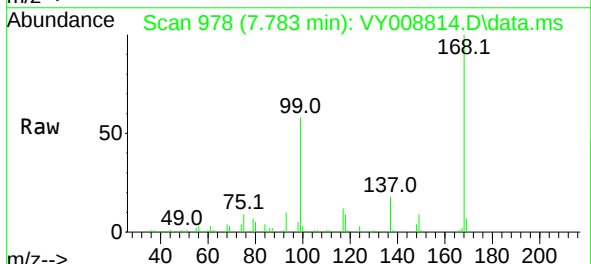
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

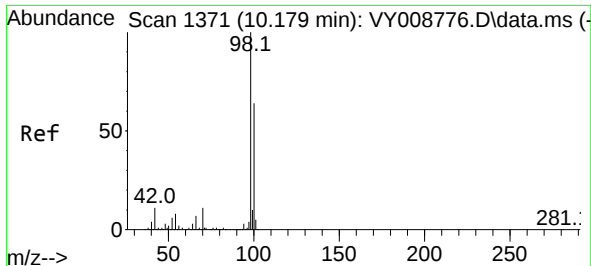
Tgt Ion: 75 Resp: 10344
Ion Ratio Lower Upper
75 100
110 9.0 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.697 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.116 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 117 Resp: 13100
Ion Ratio Lower Upper
117 100
119 6.3 77.9 116.9#
121 0.0 24.8 37.2#

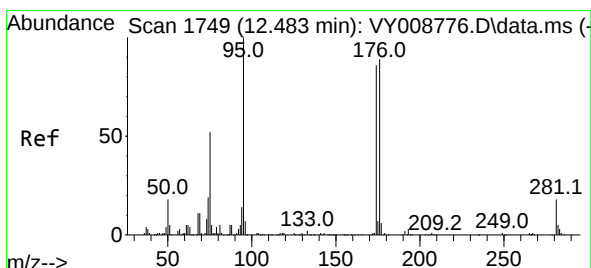
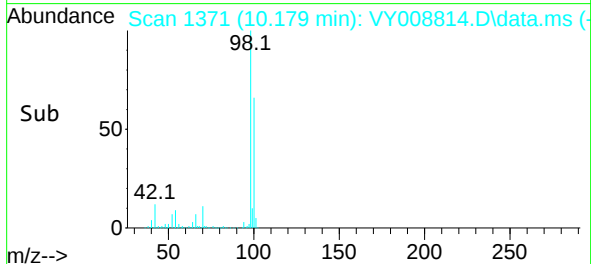
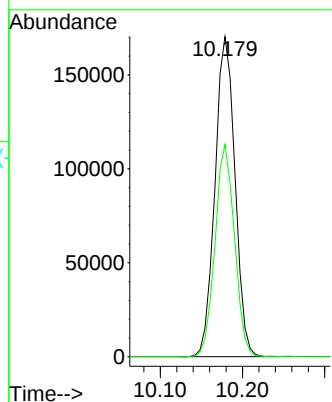
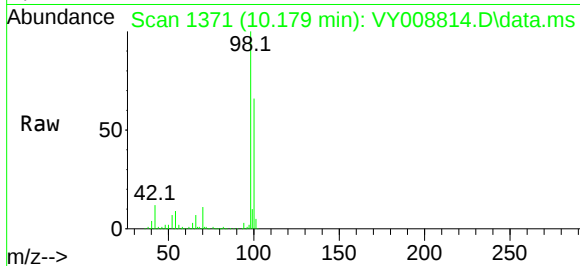




#50
Toluene-d8
Concen: 48.500 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

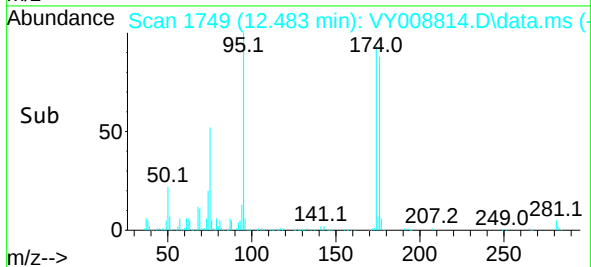
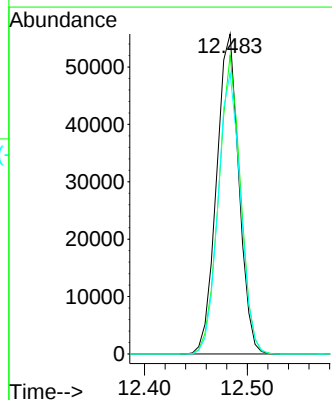
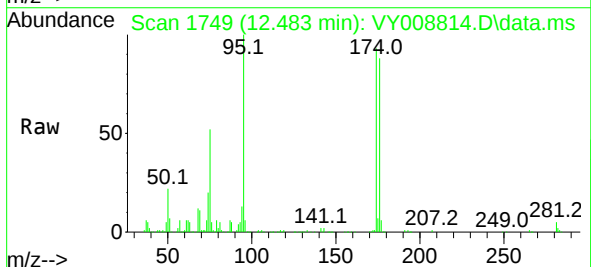
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

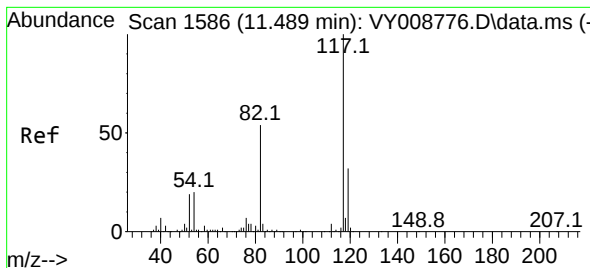
Tgt Ion: 98 Resp: 288214
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.258 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 95 Resp: 84003
Ion Ratio Lower Upper
95 100
174 91.6 0.0 177.0
176 88.4 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: VY008814.D

Acq: 18 May 2022 15:19

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-0006-01

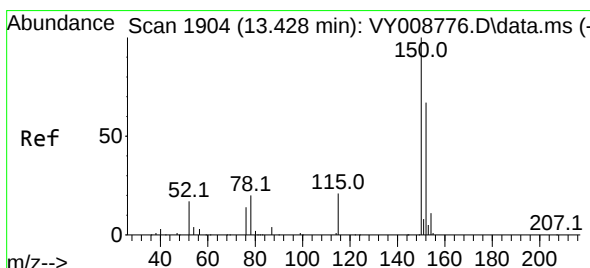
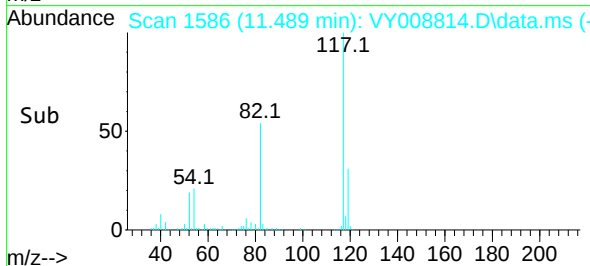
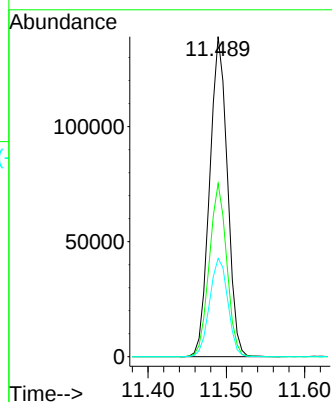
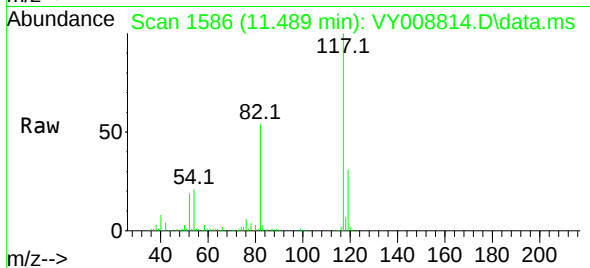
Tgt Ion:117 Resp: 218561

Ion Ratio Lower Upper

117 100

82 54.2 43.0 64.4

119 30.7 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008814.D

Acq: 18 May 2022 15:19

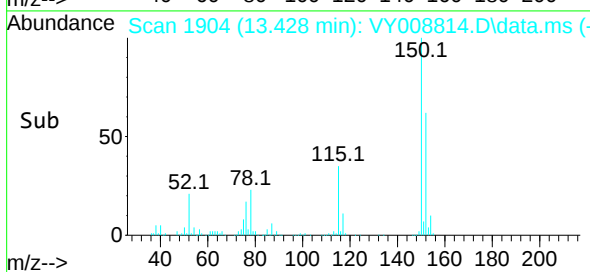
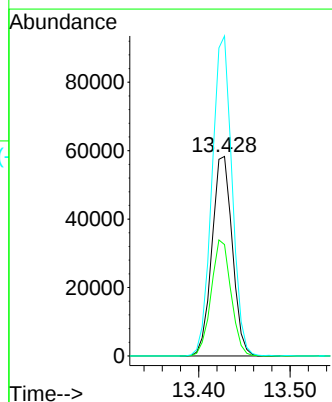
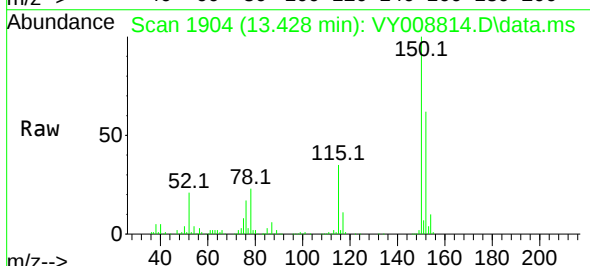
Tgt Ion:152 Resp: 90062

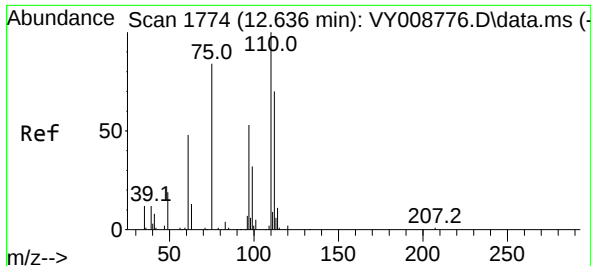
Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.7

150 158.1 0.0 347.6

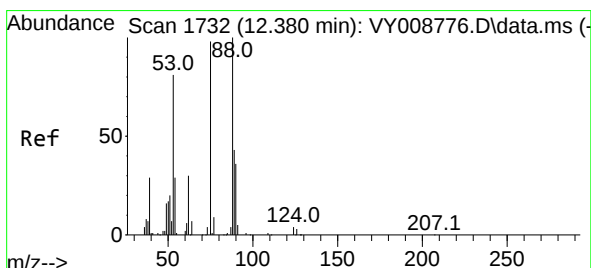
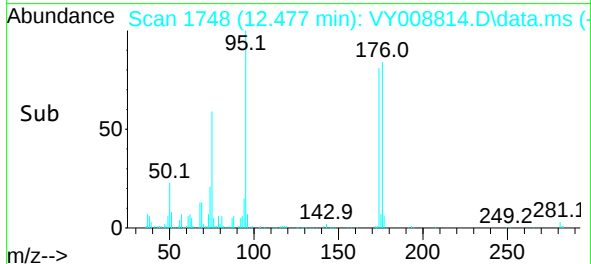
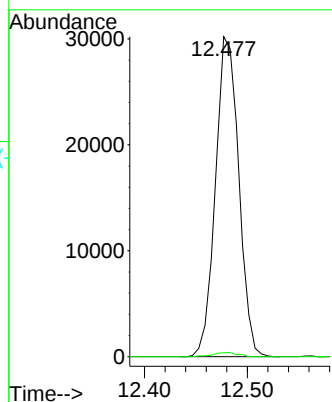
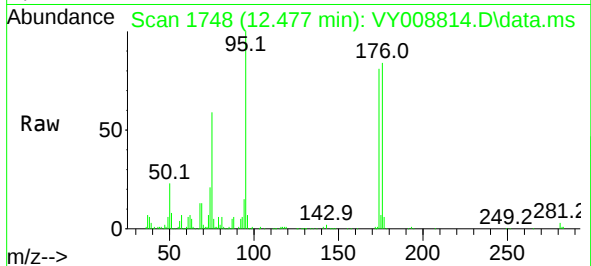




#76
1,2,3-Trichloropropane
Concen: 45.625 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-0006-01

Tgt Ion: 75 Resp: 47466
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 99.795 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008814.D
Acq: 18 May 2022 15:19

Tgt Ion: 75 Resp: 47466
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

