

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051822\
 Data File : VY008835.D
 Acq On : 19 May 2022 00:14
 Operator : KP/MD
 Sample : N2869-08
 Misc : 5.32g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P029-SS001-1218-01

Quant Time: May 19 03:16:06 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)

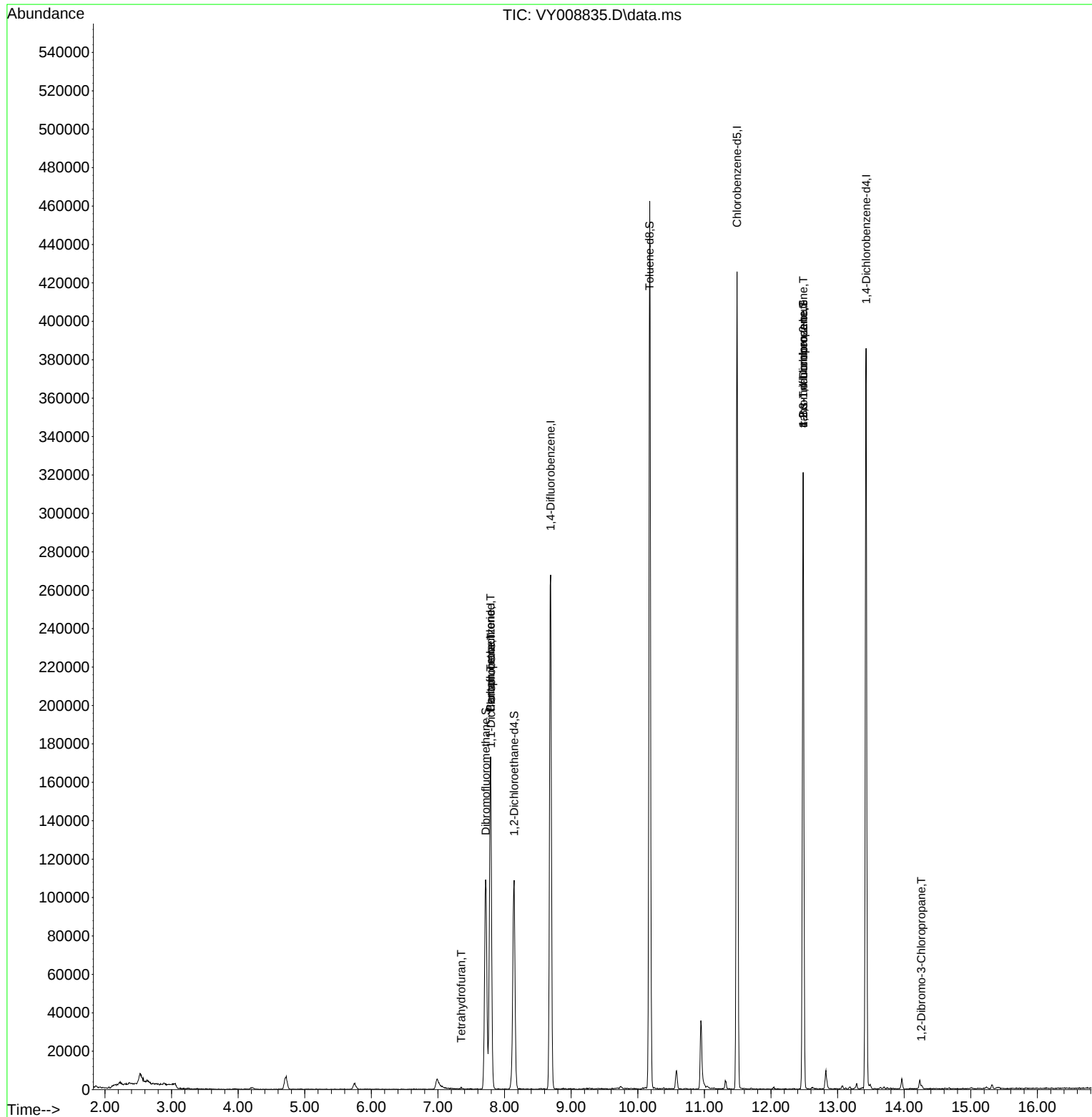
Internal Standards						
1) Pentafluorobenzene	7.789	168	130010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	230198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	219893	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	94126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	82165	68.124	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 136.240%	
35) Dibromofluoromethane	7.716	113	76388	56.794	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.580%	
50) Toluene-d8	10.179	98	290440	48.671	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.340%	
62) 4-Bromofluorobenzene	12.483	95	84682	40.410	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 80.820%	
Target Compounds						
						Qvalue
3) Chloromethane	2.119	50	318	Below Cal	#	88
4) Vinyl Chloride	2.241	62	134	Below Cal	#	43
5) Bromomethane	2.662	94	376	Below Cal		95
6) Chloroethane	2.839	64	22	Below Cal	#	43
16) Acetone	3.942	43	331	Below Cal	#	47
17) Carbon Disulfide	4.186	76	28	Below Cal	#	75
18) Methyl Acetate	4.363	43	29	Below Cal	#	56
20) Methylene Chloride	4.723	84	4783	Below Cal	#	74
29) Tetrahydrofuran	7.350	42	484	1.435	ug/l #	76
31) Cyclohexane	7.783	56	3130	Below Cal	#	31
36) 1,1-Dichloropropene	7.795	75	11566	5.369	ug/l #	50
38) Carbon Tetrachloride	7.789	117	13445	5.824	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	46978	43.207	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	46978	94.505	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.257	75	271	1.104	ug/l #	6

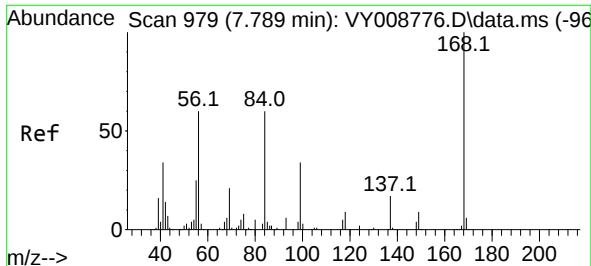
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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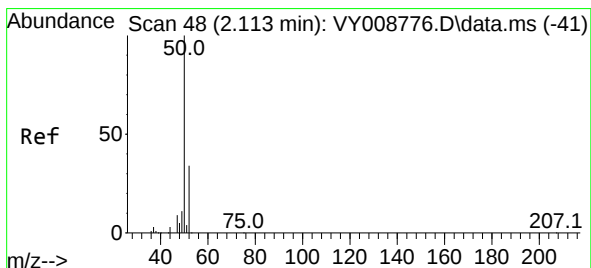
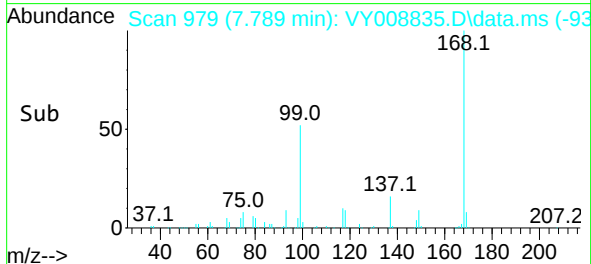
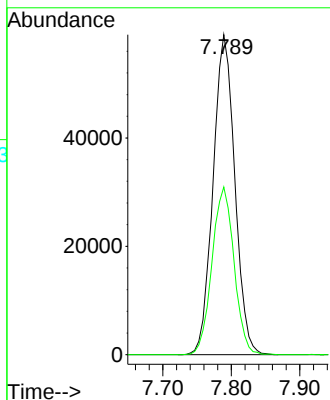
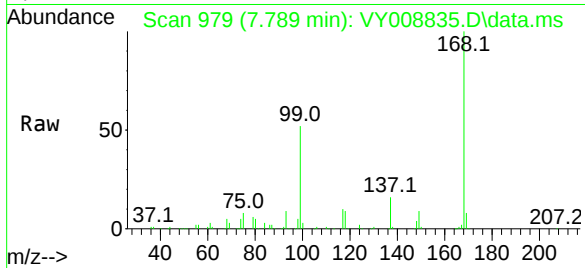




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

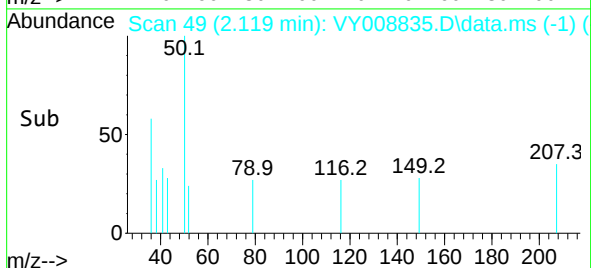
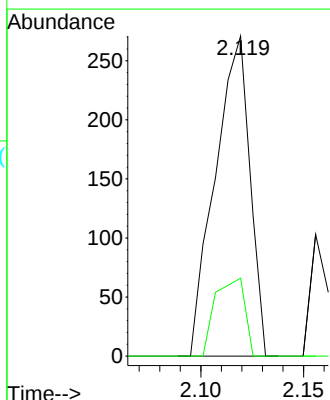
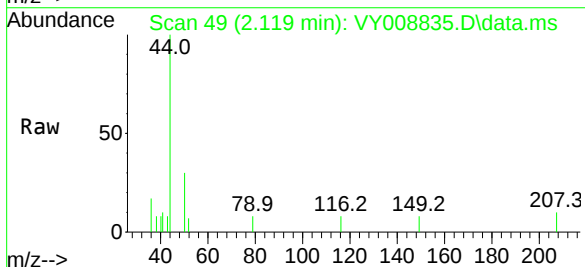
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01

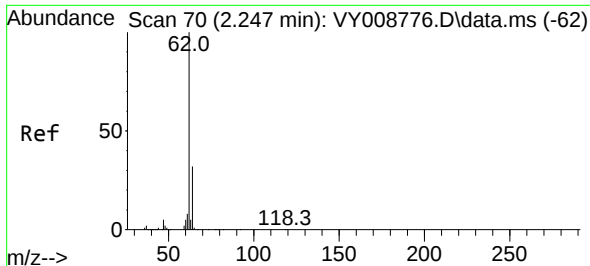
Tgt Ion:168 Resp: 130010
Ion Ratio Lower Upper
168 100
99 52.4 46.9 70.3



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.006 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion: 50 Resp: 318
Ion Ratio Lower Upper
50 100
52 24.4 24.6 37.0#

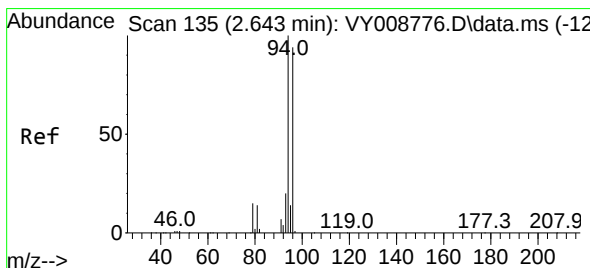
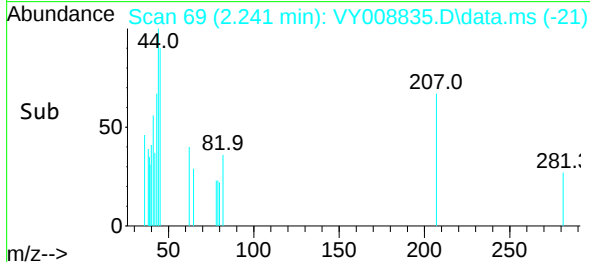
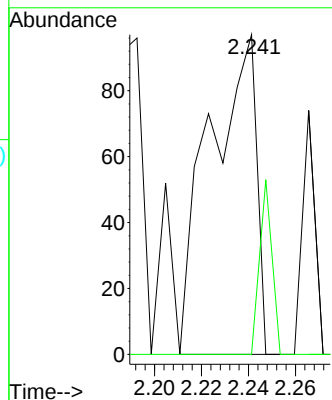
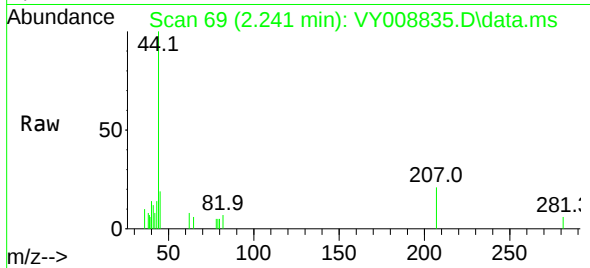




#4
 Vinyl Chloride
 Concen: Below Cal
 RT: 2.241 min Scan# 61
 Delta R.T. -0.006 min
 Lab File: VY008835.D
 Acq: 19 May 2022 00:14

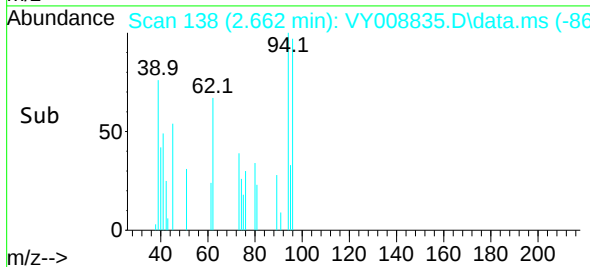
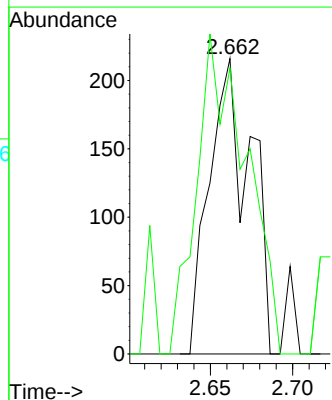
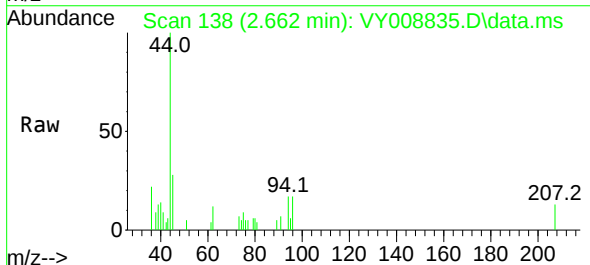
Instrument :
 MSVOA_Y
 ClientSampleId :
 P029-SS001-1218-01

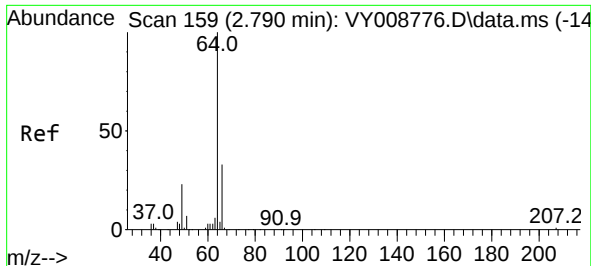
Tgt Ion: 62 Resp: 134
 Ion Ratio Lower Upper
 62 100
 64 0.0 25.0 37.6#



#5
 Bromomethane
 Concen: Below Cal
 RT: 2.662 min Scan# 138
 Delta R.T. 0.019 min
 Lab File: VY008835.D
 Acq: 19 May 2022 00:14

Tgt Ion: 94 Resp: 376
 Ion Ratio Lower Upper
 94 100
 96 96.8 73.5 110.3

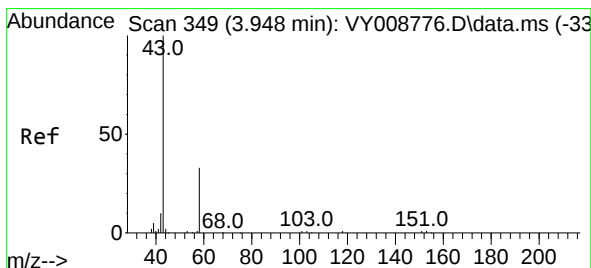
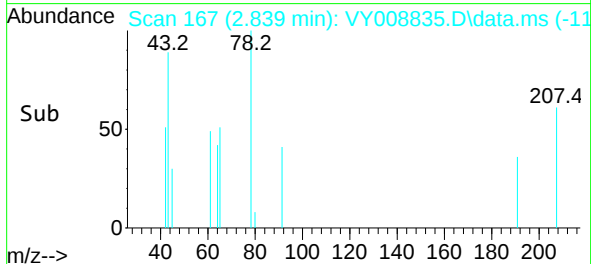
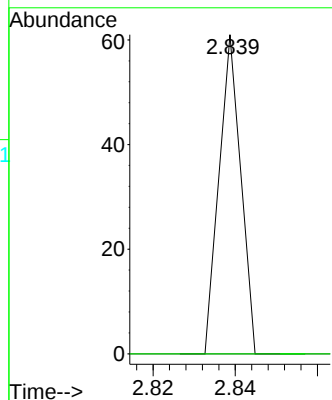
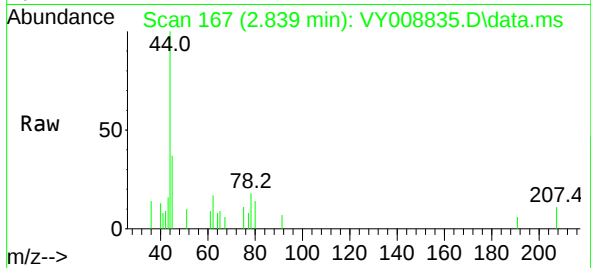




#6
Chloroethane
Concen: Below Cal
RT: 2.839 min Scan# 11
Delta R.T. 0.049 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

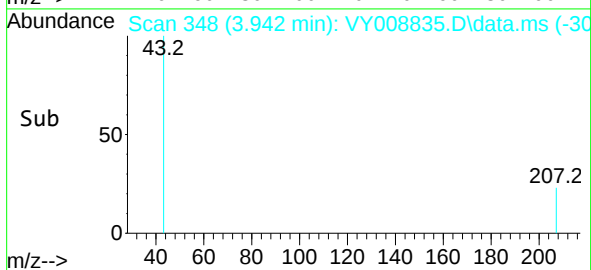
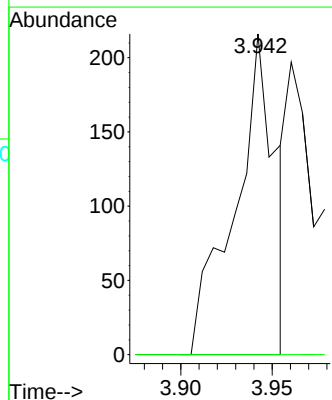
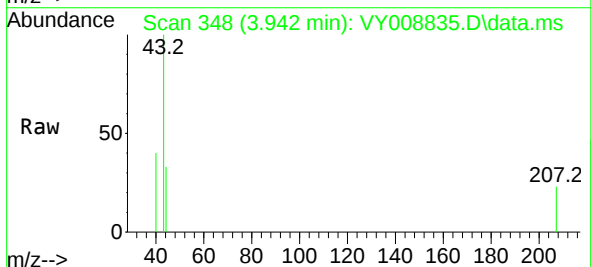
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01

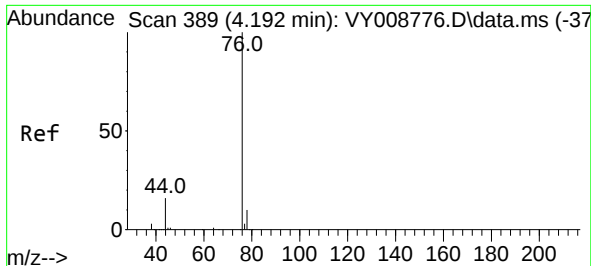
Tgt Ion: 64 Resp: 22
Ion Ratio Lower Upper
64 100
66 0.0 25.4 38.0#



#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion: 43 Resp: 331
Ion Ratio Lower Upper
43 100
58 0.0 22.0 33.0#

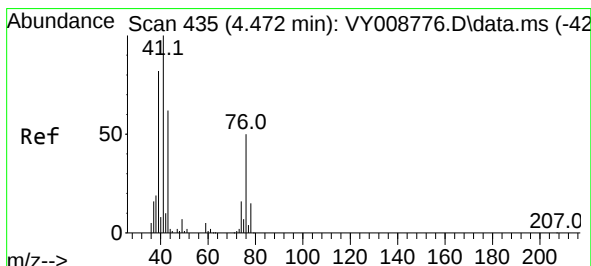
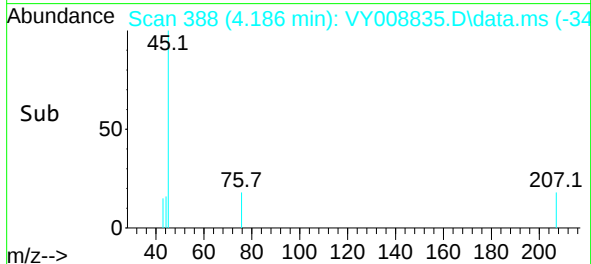
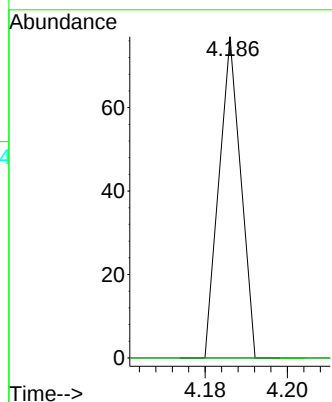
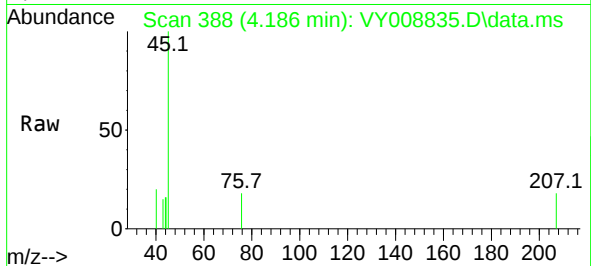




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 31
Delta R.T. -0.006 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

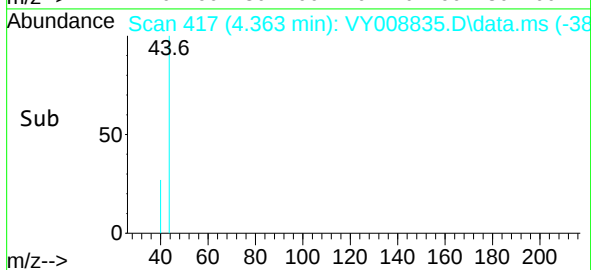
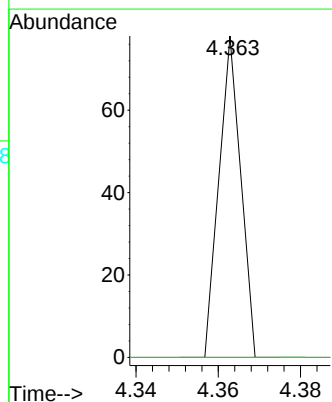
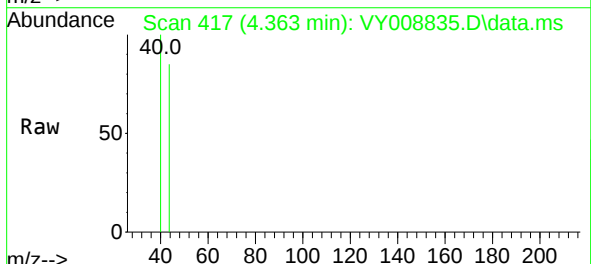
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01

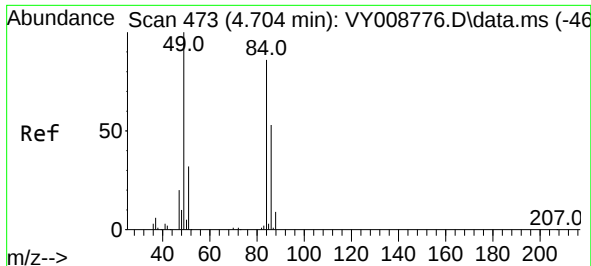
Tgt Ion: 76 Resp: 28
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.363 min Scan# 417
Delta R.T. -0.109 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

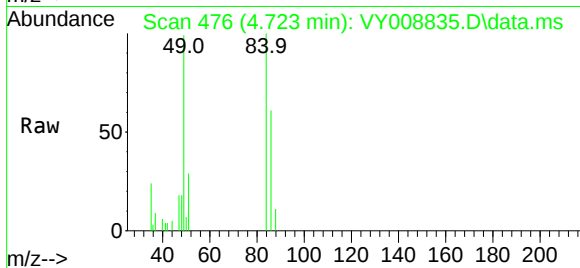
Tgt Ion: 43 Resp: 29
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





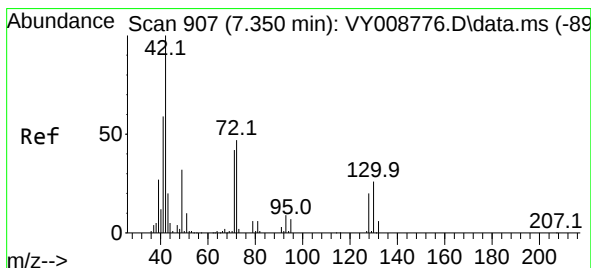
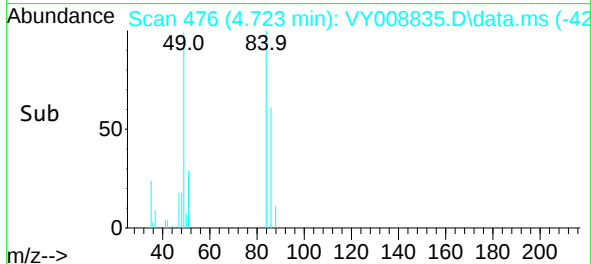
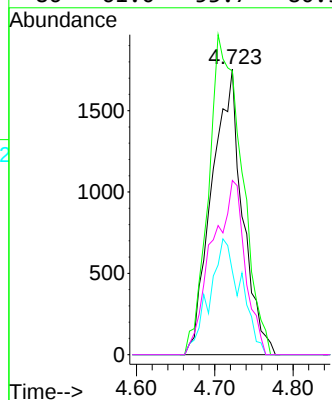
#20
Methylene Chloride
Concen: Below Cal
RT: 4.723 min Scan# 41
Delta R.T. 0.019 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01



Tgt Ion: 84 Resp: 4783

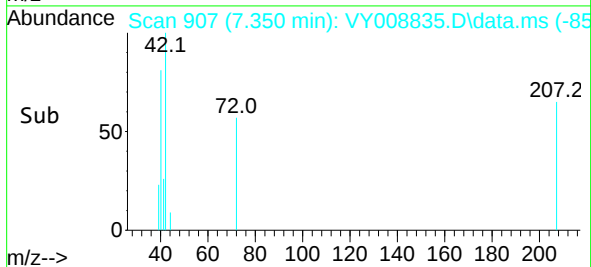
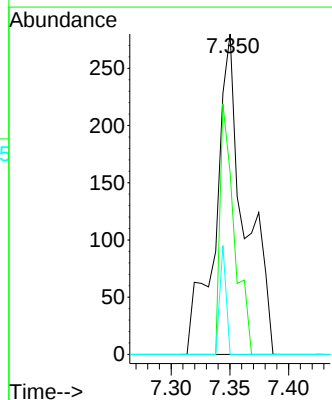
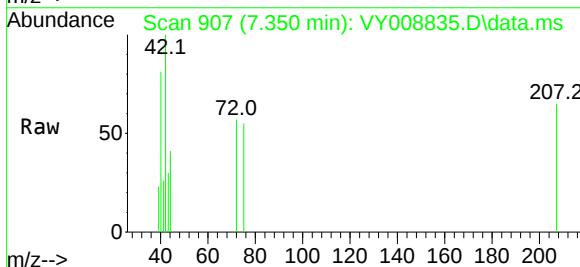
Ion	Ratio	Lower	Upper
84	100		
49	99.3	114.4	171.6#
51	29.2	35.3	52.9#
86	61.0	53.7	80.5

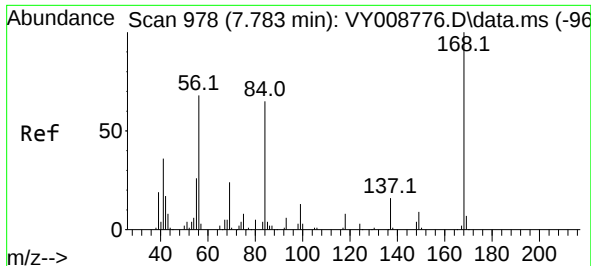


#29
Tetrahydrofuran
Concen: 1.435 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion: 42 Resp: 484

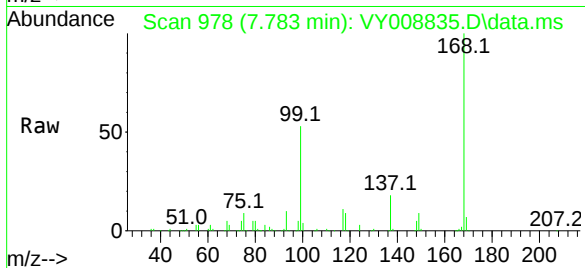
Ion	Ratio	Lower	Upper
42	100		
72	38.2	30.3	45.5
71	7.2	29.0	43.4#



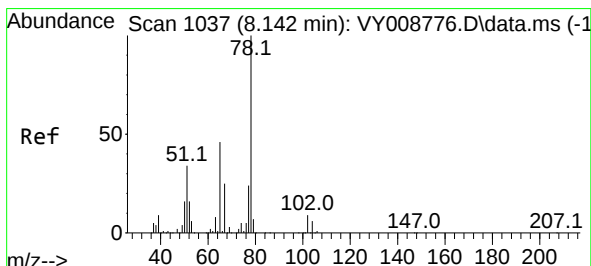
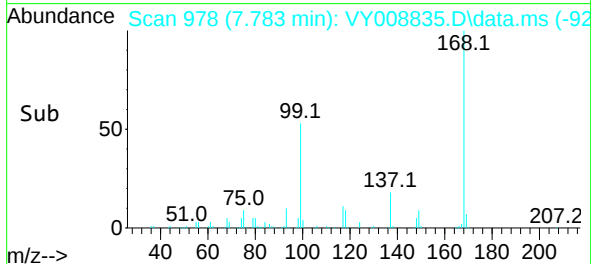
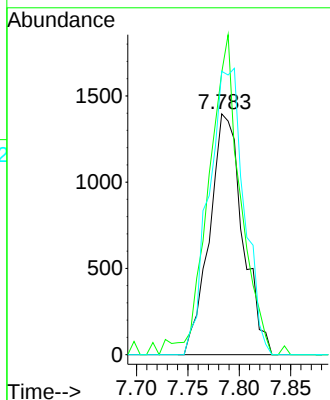


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

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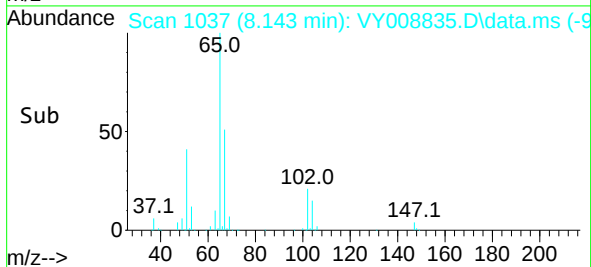
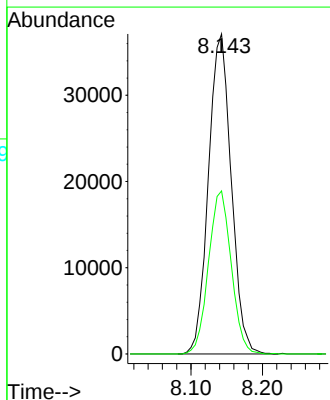
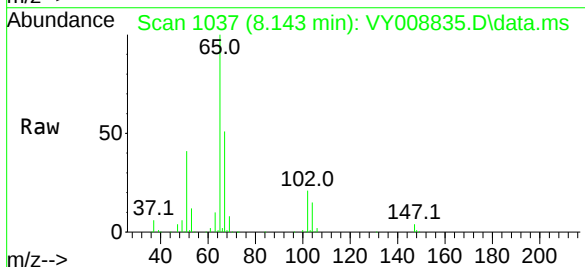


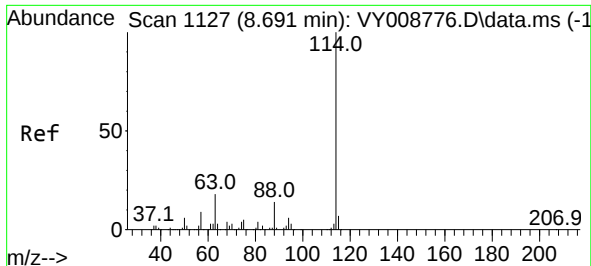
Tgt Ion: 56 Resp: 3130
Ion Ratio Lower Upper
56 100
69 117.1 26.7 40.1#
84 117.7 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 68.124 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion: 65 Resp: 82165
Ion Ratio Lower Upper
65 100
67 50.8 0.0 99.4

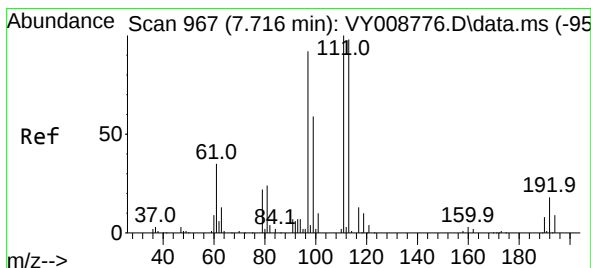
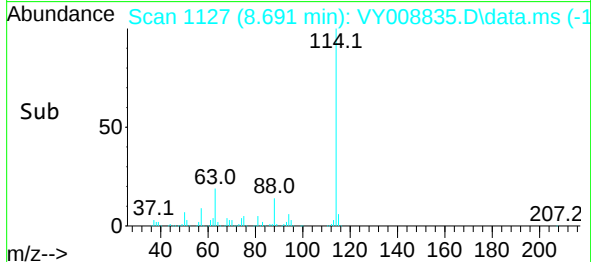
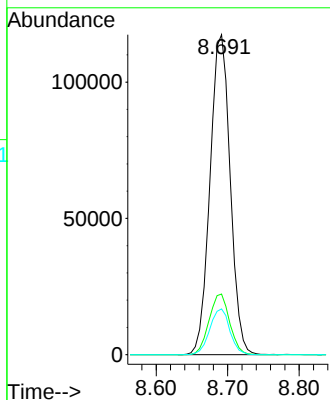
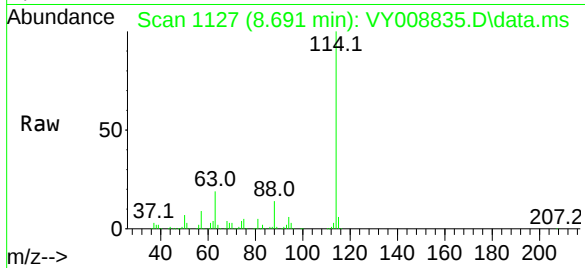




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

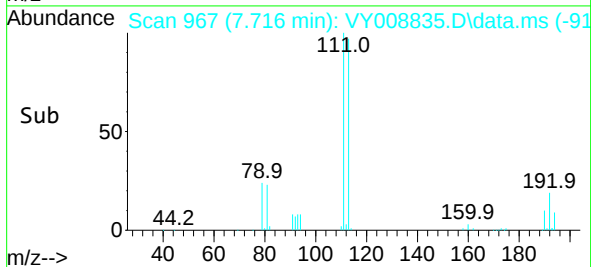
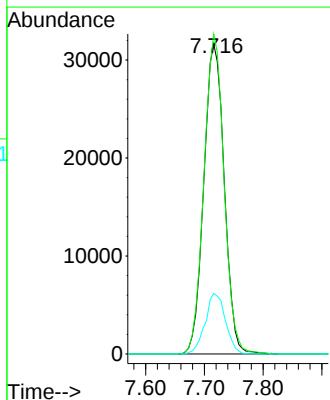
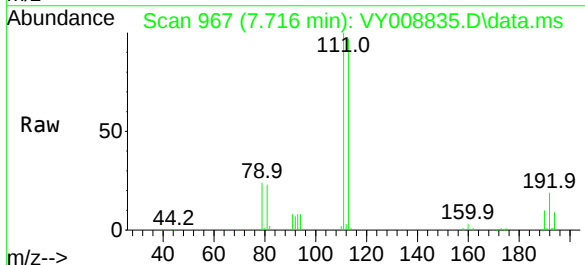
Instrument :
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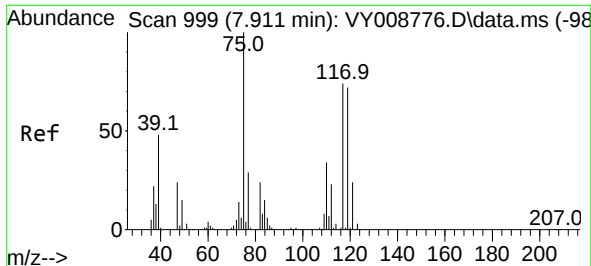
Tgt Ion:114 Resp: 230198
Ion Ratio Lower Upper
114 100
63 18.9 0.0 43.2
88 14.3 0.0 31.8



#35
Dibromofluoromethane
Concen: 56.794 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion:113 Resp: 76388
Ion Ratio Lower Upper
113 100
111 101.6 82.6 124.0
192 19.4 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.369 ug/l

RT: 7.795 min Scan# 91

Delta R.T. -0.116 min

Lab File: VY008835.D

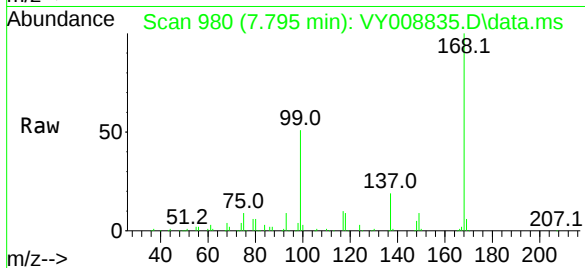
Acq: 19 May 2022 00:14

Instrument :

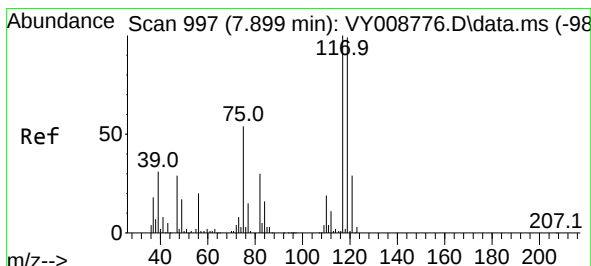
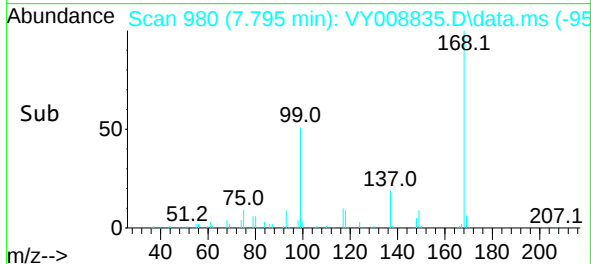
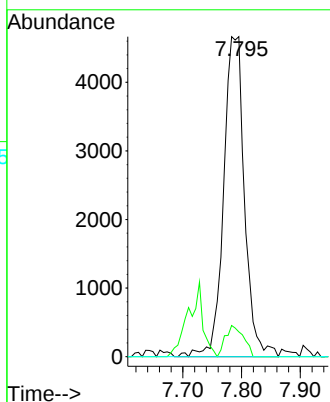
MSVOA_Y

ClientSampleId :

P029-SS001-1218-01



Tgt Ion:	75	Resp:	11566
Ion Ratio	Lower	Upper	
75	100		
110	8.4	17.1	51.2#
77	0.0	24.4	36.6#



#38

Carbon Tetrachloride

Concen: 5.824 ug/l

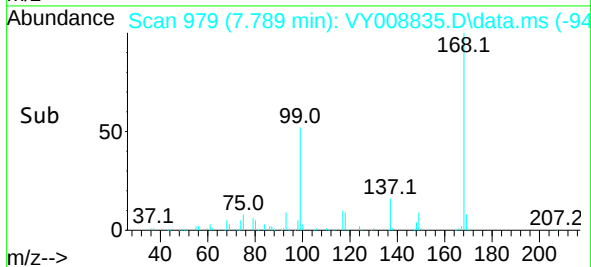
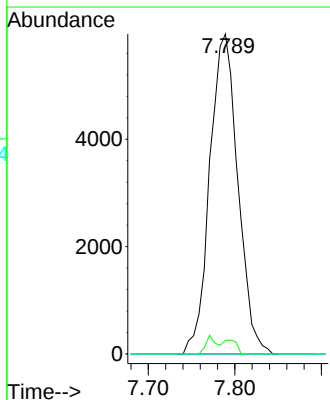
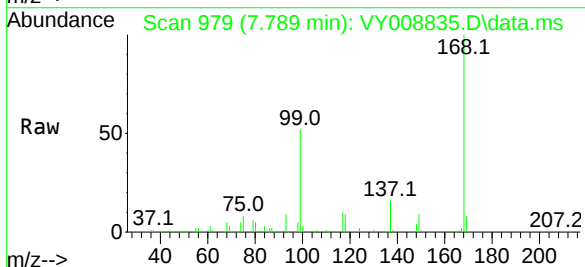
RT: 7.789 min Scan# 979

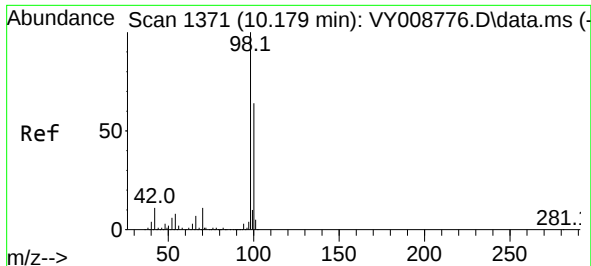
Delta R.T. -0.110 min

Lab File: VY008835.D

Acq: 19 May 2022 00:14

Tgt Ion:	117	Resp:	13445
Ion Ratio	Lower	Upper	
117	100		
119	4.2	77.9	116.9#
121	0.0	24.8	37.2#

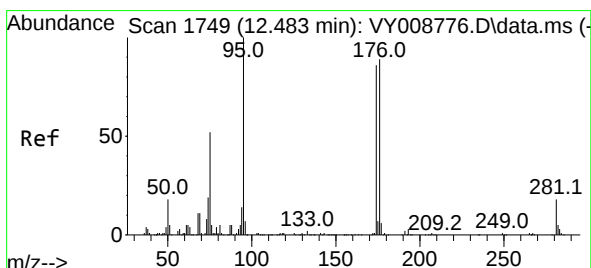
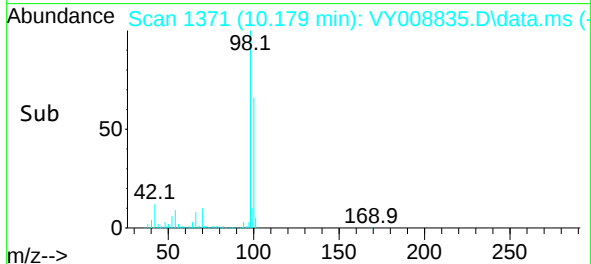
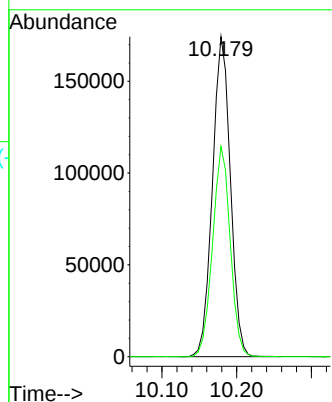
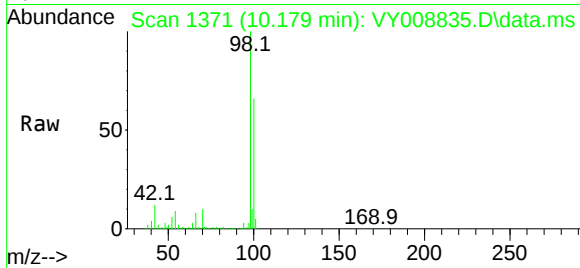




#50
Toluene-d8
Concen: 48.671 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

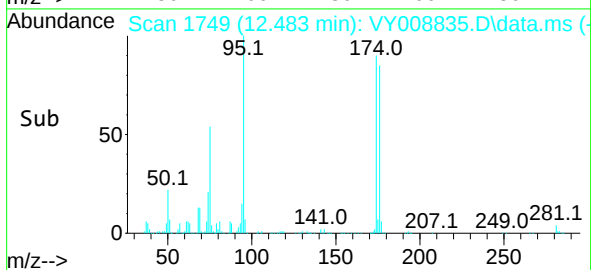
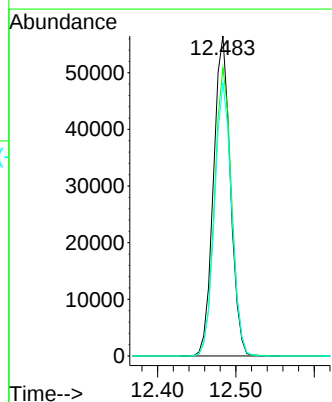
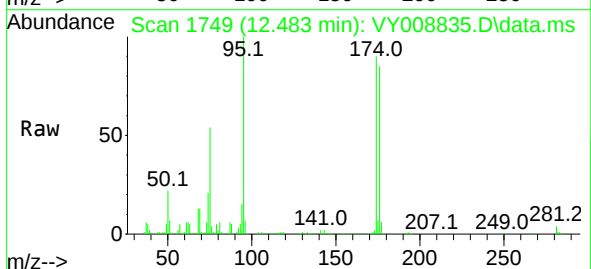
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01

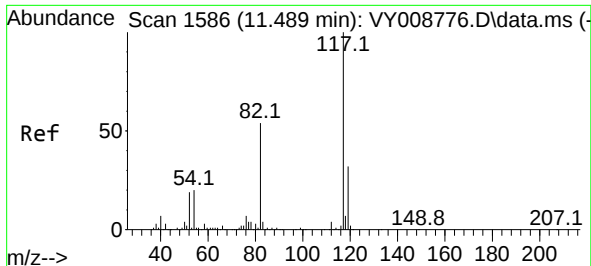
Tgt Ion: 98 Resp: 290440
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 40.410 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion: 95 Resp: 84682
Ion Ratio Lower Upper
95 100
174 91.1 0.0 177.0
176 86.1 0.0 175.8

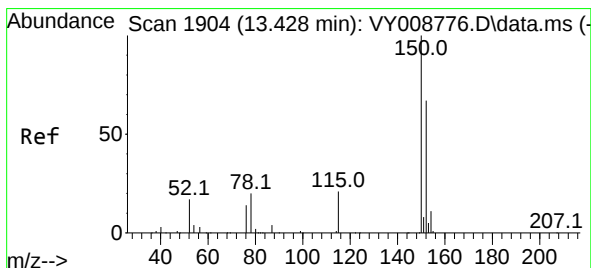
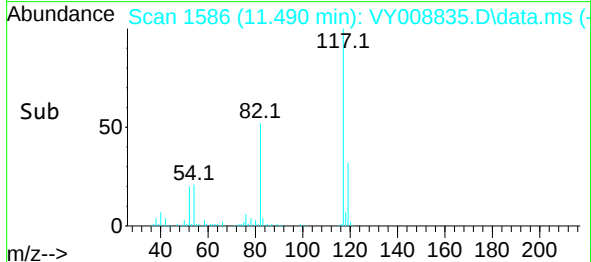
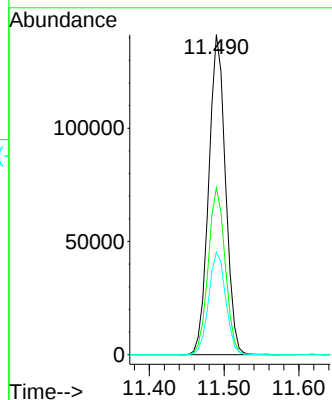
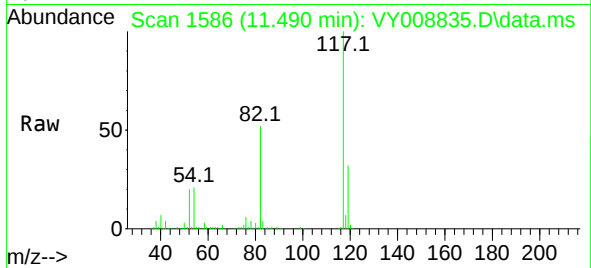




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

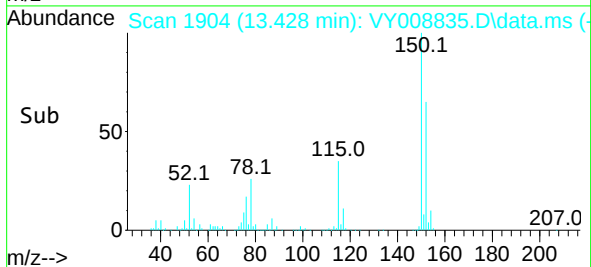
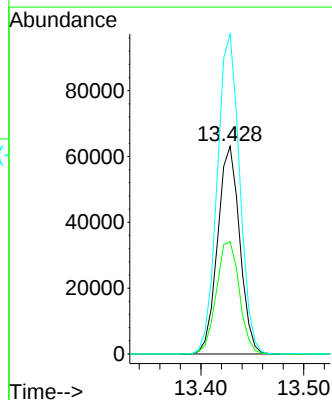
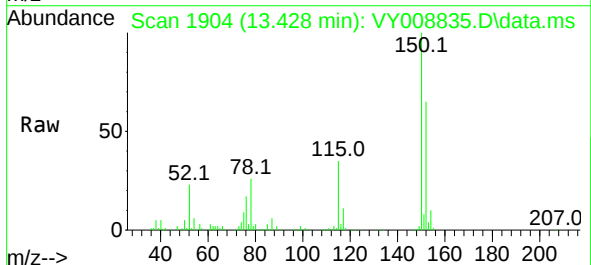
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01

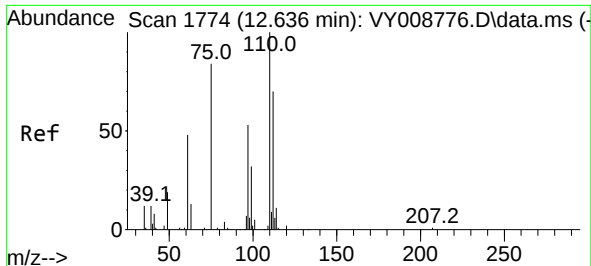
Tgt Ion:117 Resp: 219893
Ion Ratio Lower Upper
117 100
82 52.2 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion:152 Resp: 94126
Ion Ratio Lower Upper
152 100
115 56.4 28.2 84.7
150 156.1 0.0 347.6

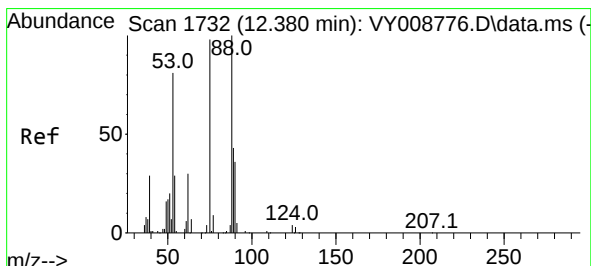
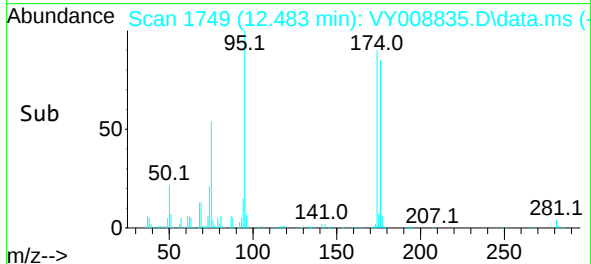
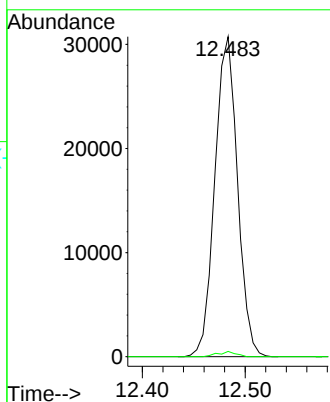
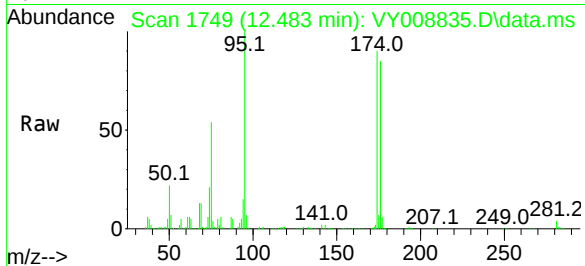




#76
1,2,3-Trichloropropane
Concen: 43.207 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

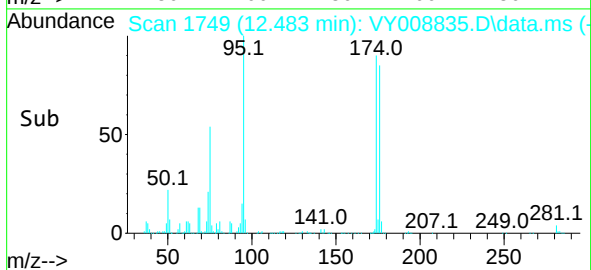
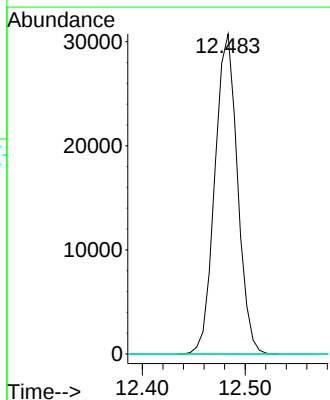
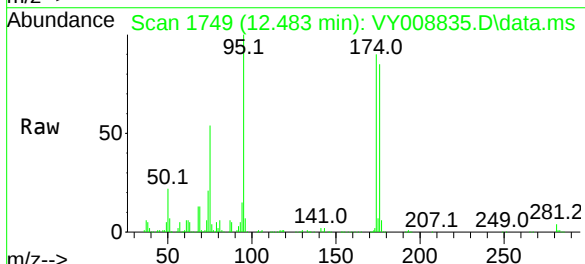
Instrument :
MSVOA_Y
ClientSampleId :
P029-SS001-1218-01

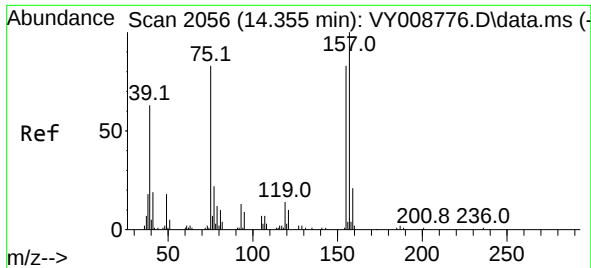
Tgt Ion: 75 Resp: 46978
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 94.505 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008835.D
Acq: 19 May 2022 00:14

Tgt Ion: 75 Resp: 46978
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.104 ug/l

RT: 14.257 min Scan# 20

Delta R.T. -0.097 min

Lab File: VY008835.D

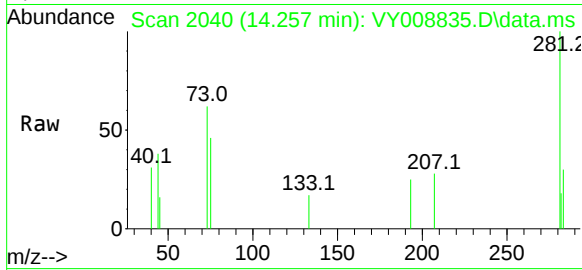
Acq: 19 May 2022 00:14

Instrument :

MSVOA_Y

ClientSampleId :

P029-SS001-1218-01



Tgt Ion: 75 Resp: 271

Ion Ratio Lower Upper

75 100

155 0.0 38.0 113.9#

157 0.0 47.8 143.3#

