

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051922\
 Data File : VY008895.D
 Acq On : 20 May 2022 03:02
 Operator : KP/MD
 Sample : N2868-05
 Misc : 5.71g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 P017-SS001-2430-01

Quant Time: May 20 04:29:51 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

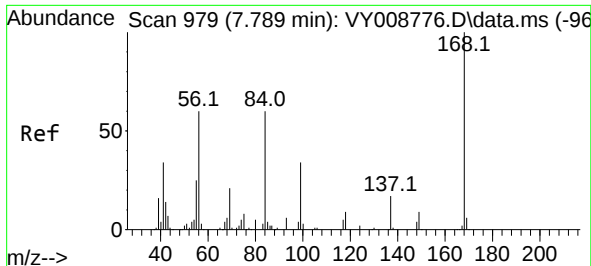
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	125891	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	224801	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	214635	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	91001	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	82761	70.863	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.720%	
35) Dibromofluoromethane	7.716	113	74285	56.557	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 113.120%	
50) Toluene-d8	10.179	98	283059	48.579	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 97.160%	
62) 4-Bromofluorobenzene	12.483	95	81414	39.837	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 79.680%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	450	Below Cal		80
3) Chloromethane	2.113	50	170	Below Cal	#	76
4) Vinyl Chloride	2.266	62	55	Below Cal	#	43
5) Bromomethane	2.650	94	243	Below Cal		84
6) Chloroethane	2.711	64	20	Below Cal	#	43
7) Trichlorofluoromethane	3.119	101	93	Below Cal	#	21
16) Acetone	3.942	43	2569	Below Cal		98
17) Carbon Disulfide	4.198	76	33	Below Cal	#	75
18) Methyl Acetate	4.351	43	25	Below Cal	#	56
20) Methylene Chloride	4.704	84	3623	Below Cal		89
25) 2-Butanone	6.978	43	837	1.708 ug/l	#	54
31) Cyclohexane	7.783	56	2955	Below Cal	#	1
36) 1,1-Dichloropropene	7.789	75	10842	5.154 ug/l	#	51
38) Carbon Tetrachloride	7.789	117	12311	5.461 ug/l	#	17
76) 1,2,3-Trichloropropane	12.477	75	46011	43.770 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	46011	95.738 ug/l	#	7

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

Quant Time: May 20 04:29:51 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

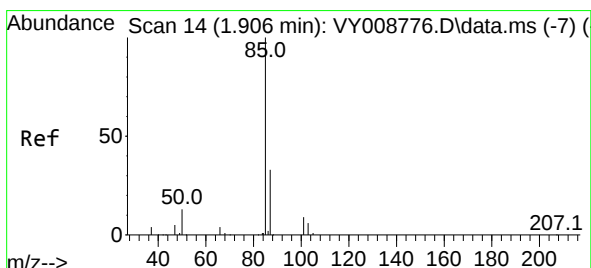
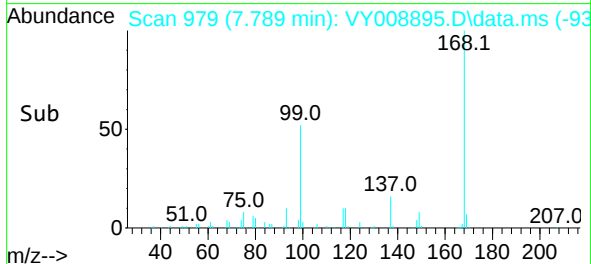
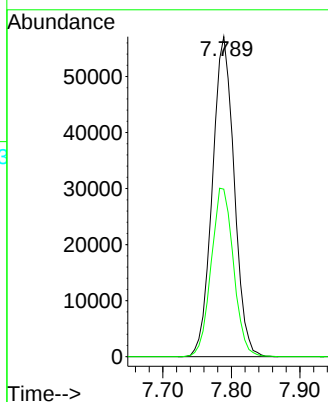
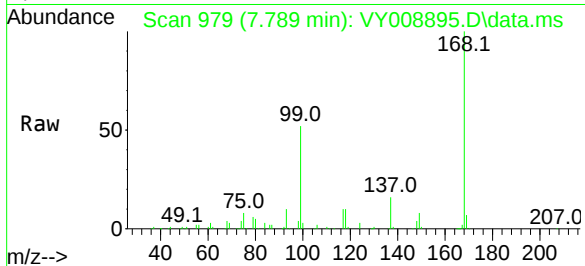




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

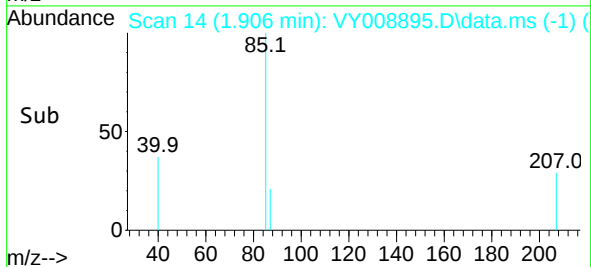
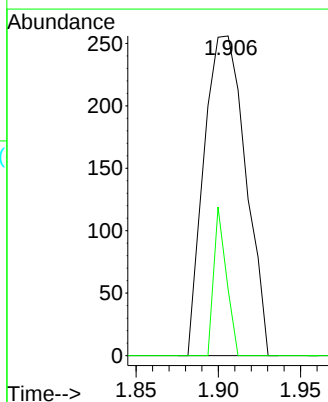
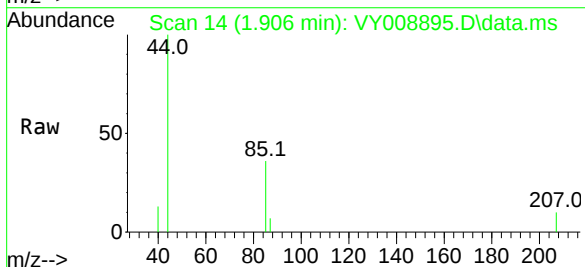
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

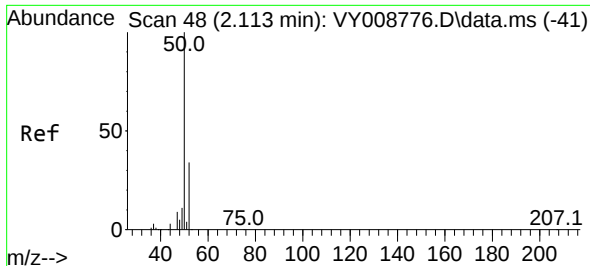
Tgt Ion:168 Resp: 125891
Ion Ratio Lower Upper
168 100
99 52.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 85 Resp: 450
Ion Ratio Lower Upper
85 100
87 20.7 16.1 48.2

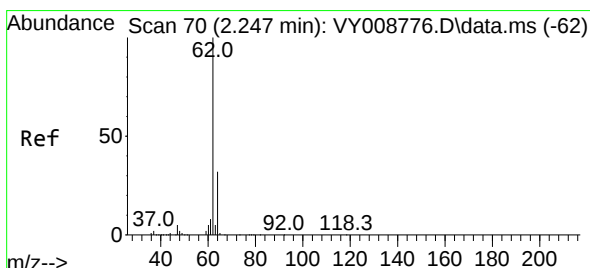
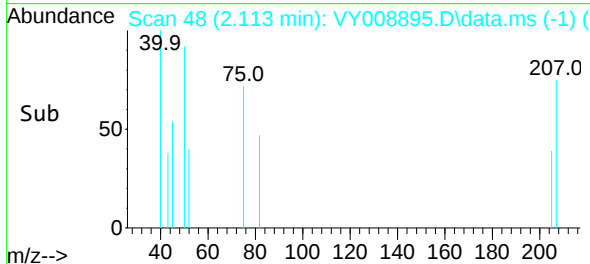
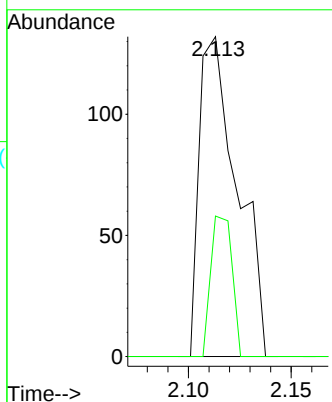
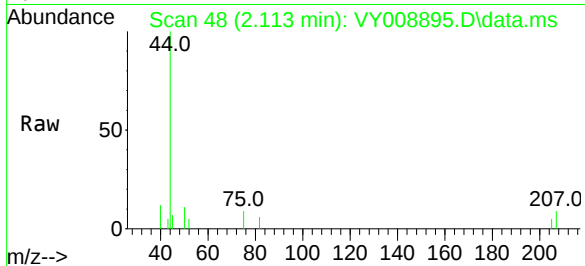




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

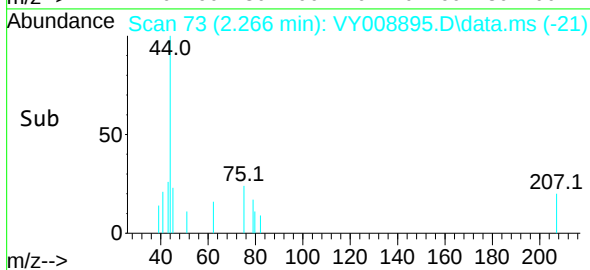
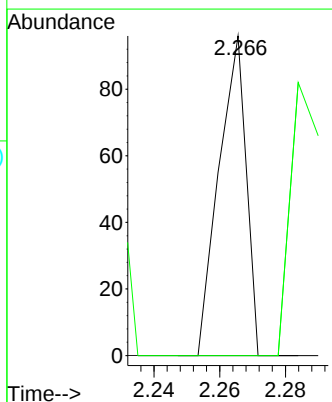
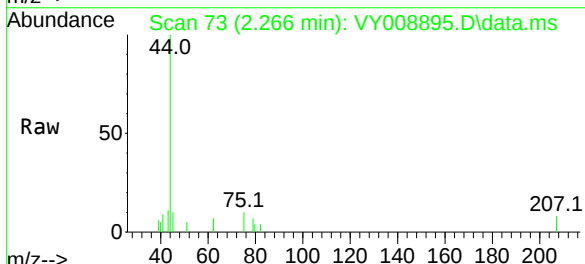
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

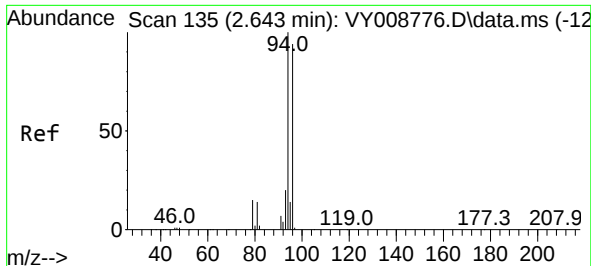
Tgt Ion: 50 Resp: 170
Ion Ratio Lower Upper
50 100
52 43.9 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.266 min Scan# 73
Delta R.T. 0.019 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 62 Resp: 55
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#





#5

Bromomethane

Concen: Below Cal

RT: 2.650 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY008895.D

Acq: 20 May 2022 03:02

Instrument :

MSVOA_Y

ClientSampleId :

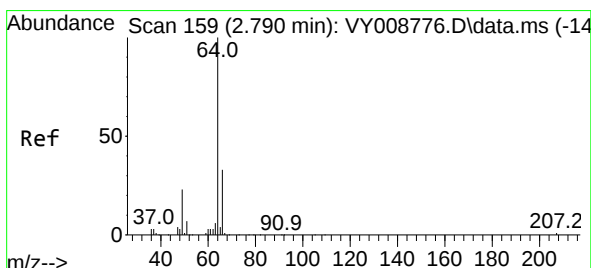
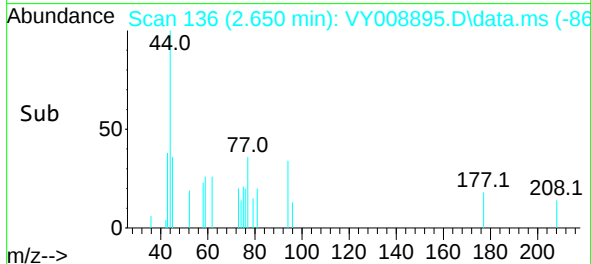
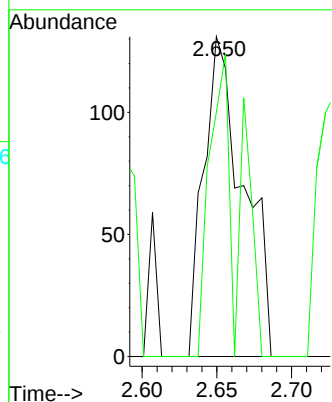
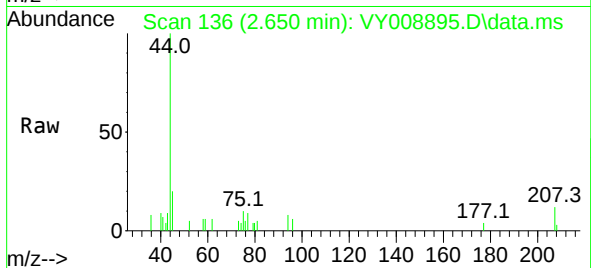
P017-SS001-2430-01

Tgt Ion: 94 Resp: 243

Ion Ratio Lower Upper

94 100

96 76.3 73.5 110.3



#6

Chloroethane

Concen: Below Cal

RT: 2.711 min Scan# 146

Delta R.T. -0.079 min

Lab File: VY008895.D

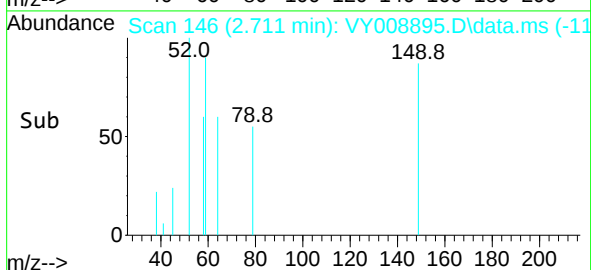
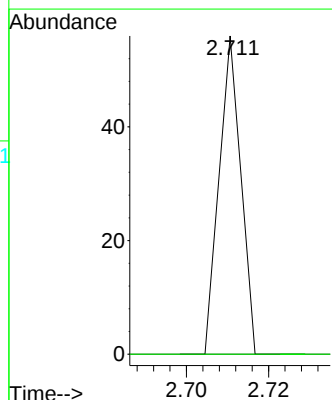
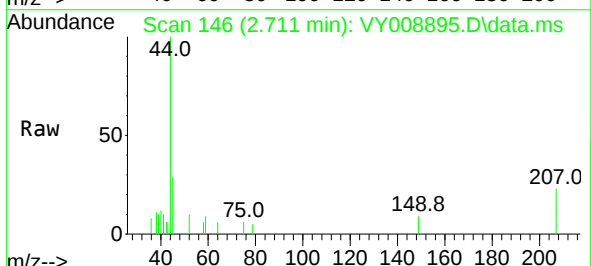
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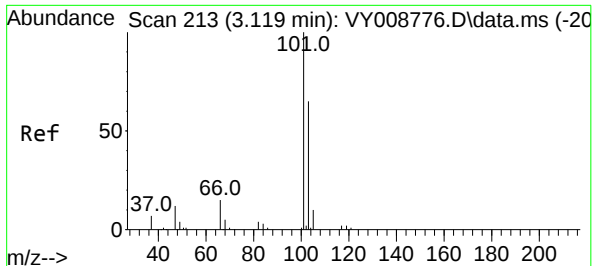
Tgt Ion: 64 Resp: 20

Ion Ratio Lower Upper

64 100

66 0.0 25.4 38.0#

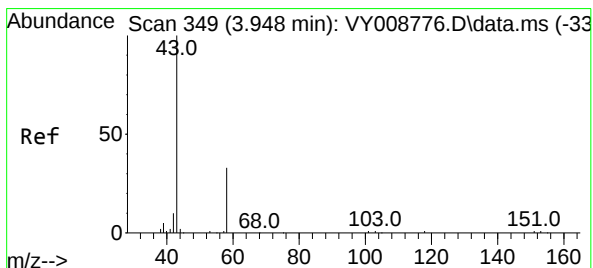
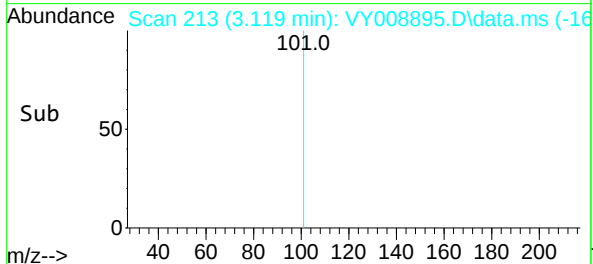
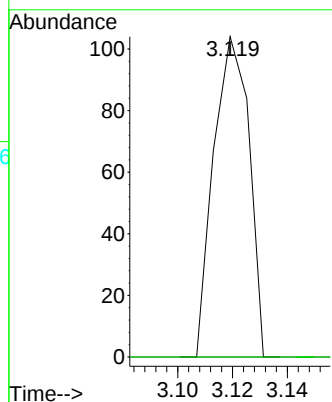
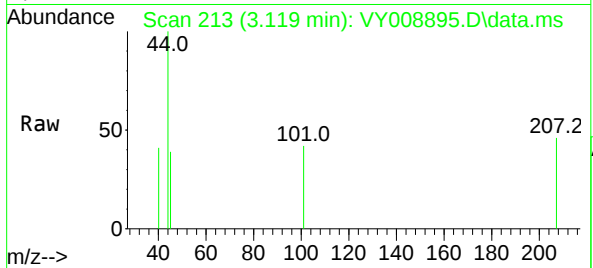




#7
Trichlorofluoromethane
Concen: Below Cal
RT: 3.119 min Scan# 21
Delta R.T. 0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

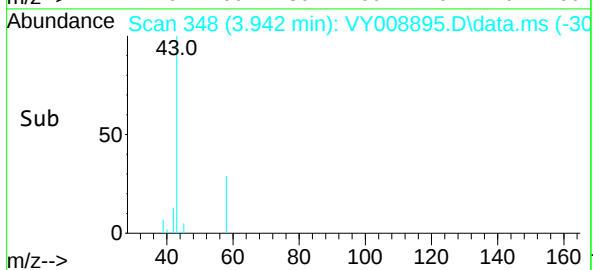
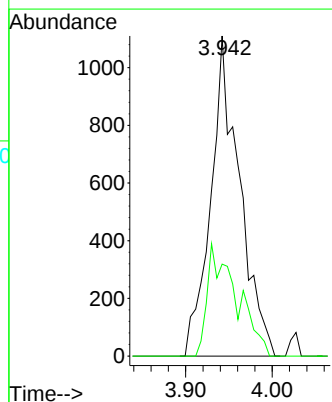
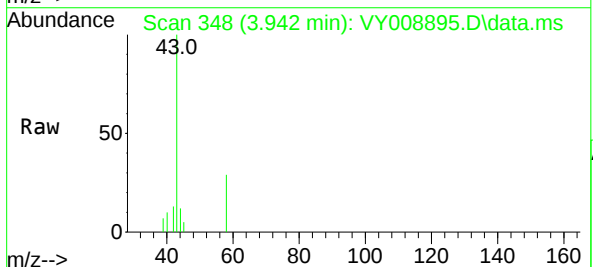
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

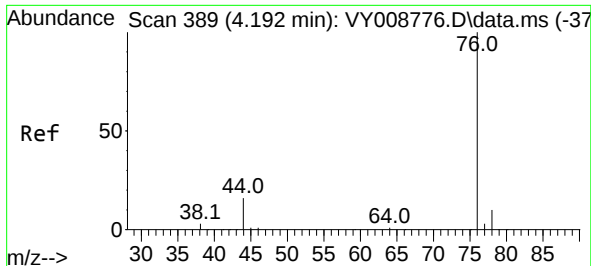
Tgt Ion:101 Resp: 93
Ion Ratio Lower Upper
101 100
103 0.0 48.0 72.0#



#16
Acetone
Concen: Below Cal
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 43 Resp: 2569
Ion Ratio Lower Upper
43 100
58 28.7 22.0 33.0

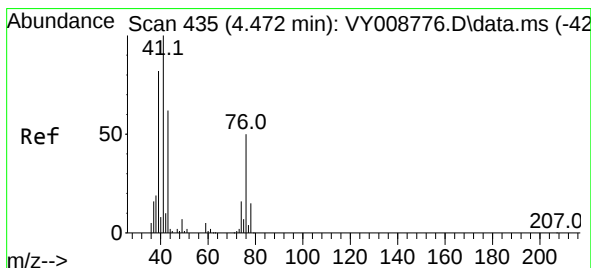
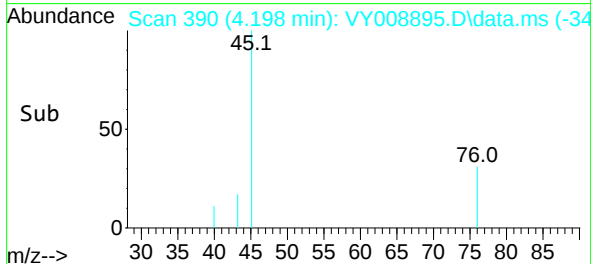
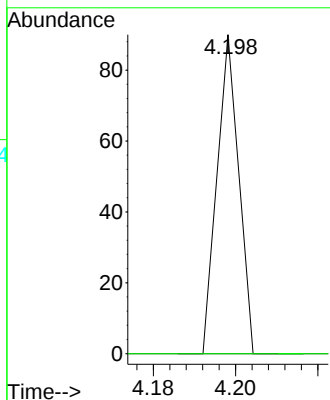
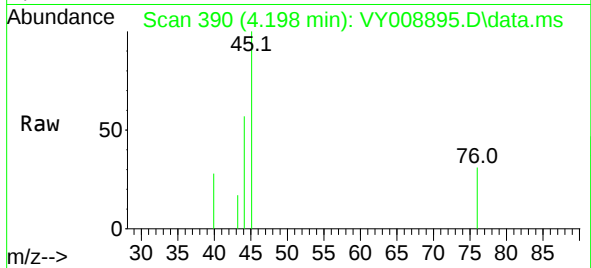




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.198 min Scan# 33
Delta R.T. 0.006 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

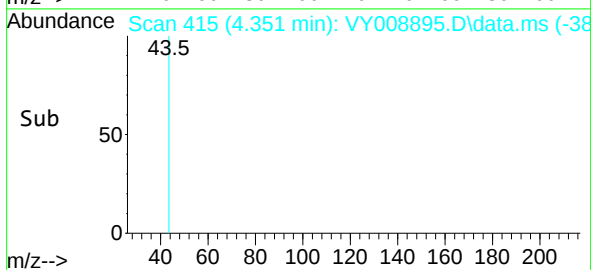
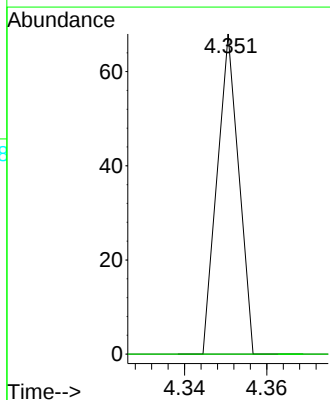
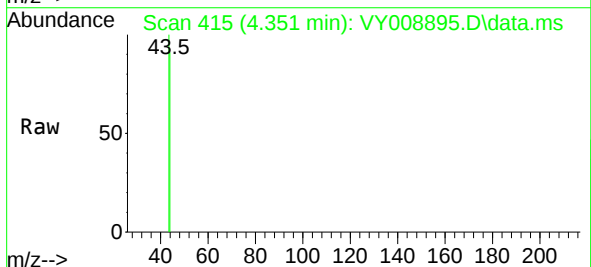
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

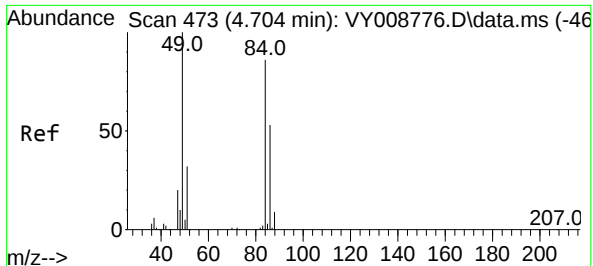
Tgt Ion: 76 Resp: 33
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.351 min Scan# 415
Delta R.T. -0.121 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

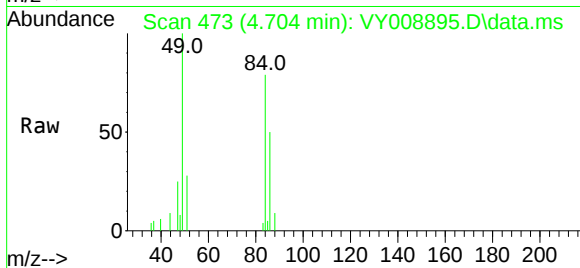
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





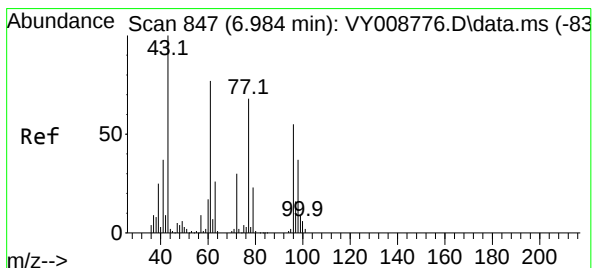
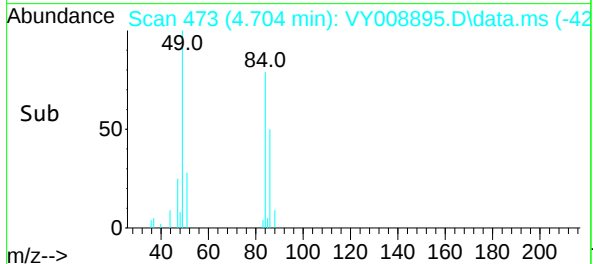
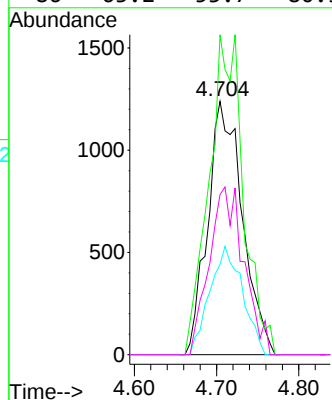
#20
Methylene Chloride
Concen: Below Cal
RT: 4.704 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01



Tgt Ion: 84 Resp: 3623

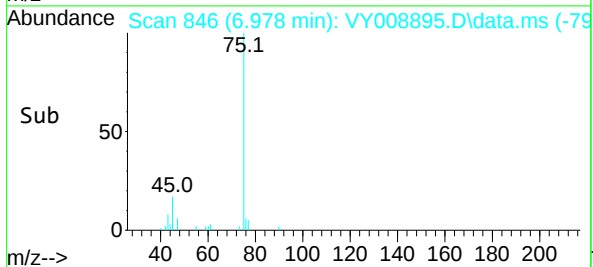
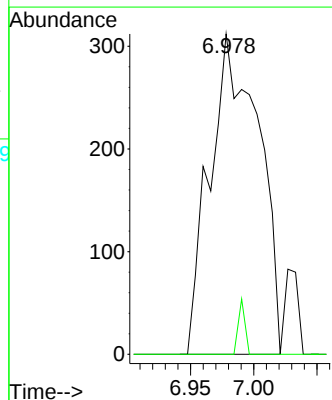
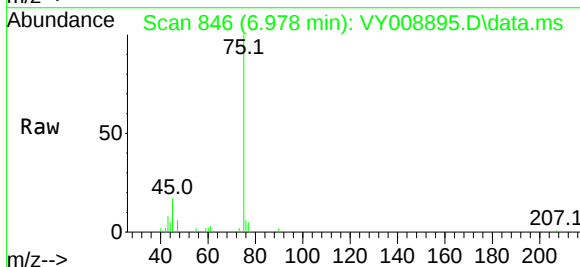
Ion	Ratio	Lower	Upper
84	100		
49	126.2	114.4	171.6
51	35.6	35.3	52.9
86	63.2	53.7	80.5

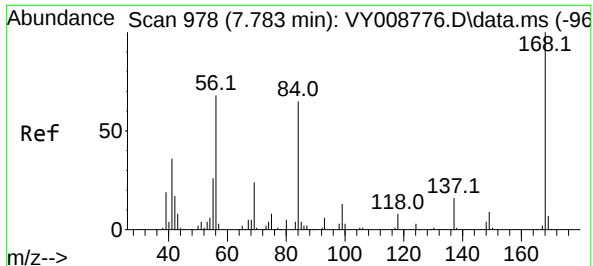


#25
2-Butanone
Concen: 1.708 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.006 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 43 Resp: 837

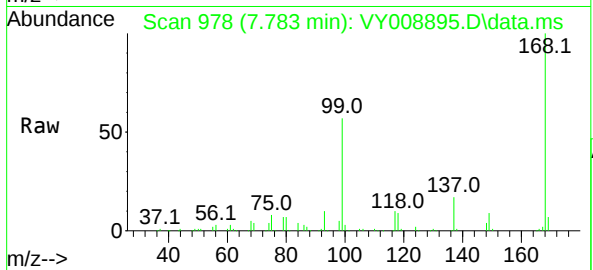
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



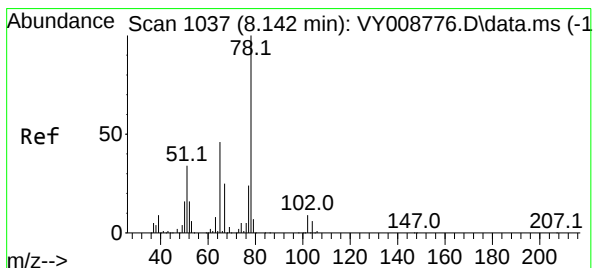
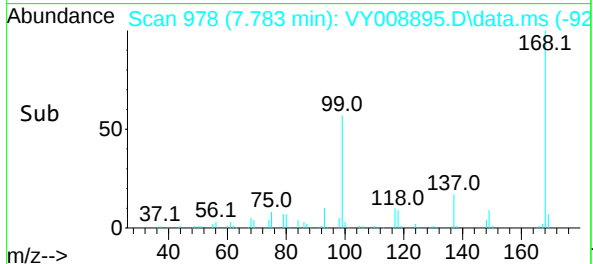
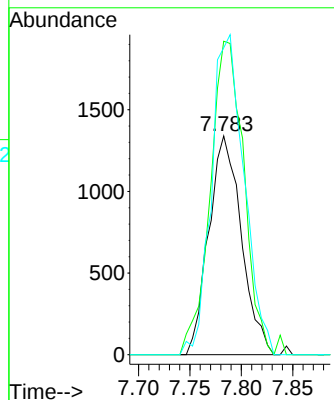


#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

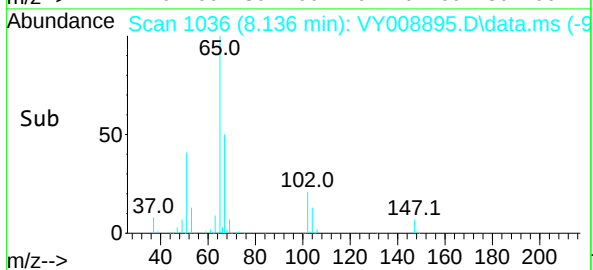
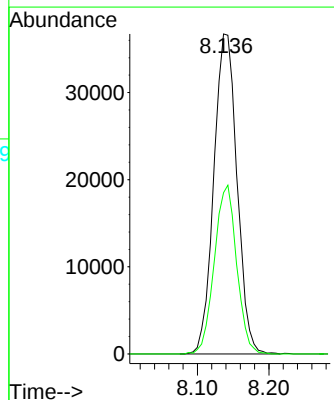
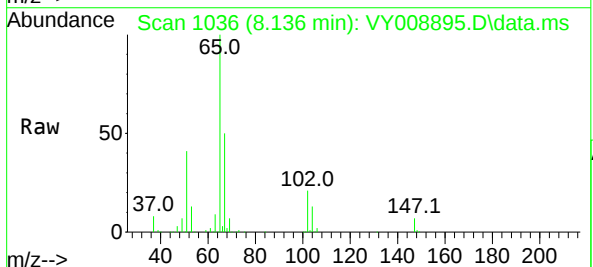


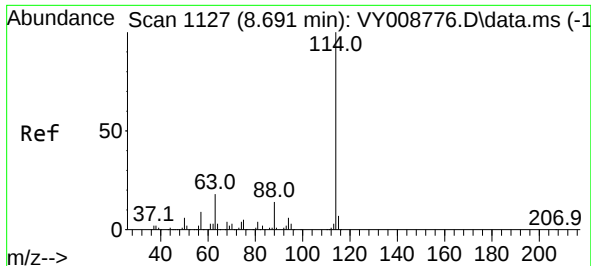
Tgt Ion: 56 Resp: 2955
Ion Ratio Lower Upper
56 100
69 143.3 26.7 40.1#
84 140.3 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 70.863 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 65 Resp: 82761
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY008895.D

Acq: 20 May 2022 03:02

Instrument :

MSVOA_Y

ClientSampleId :

P017-SS001-2430-01

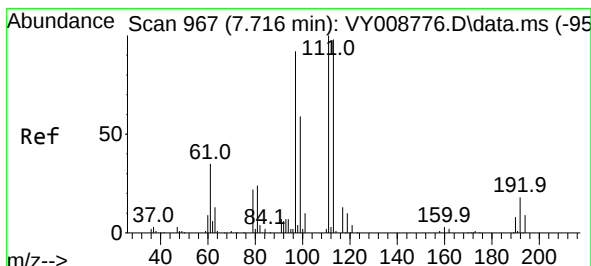
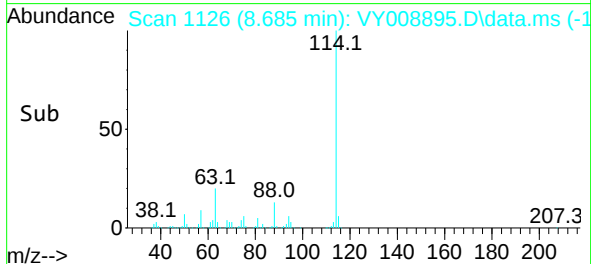
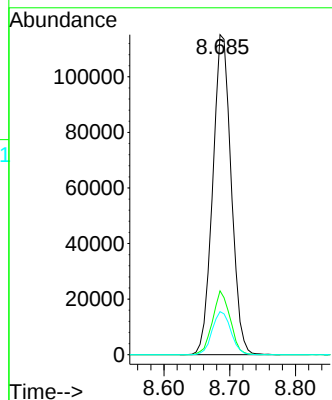
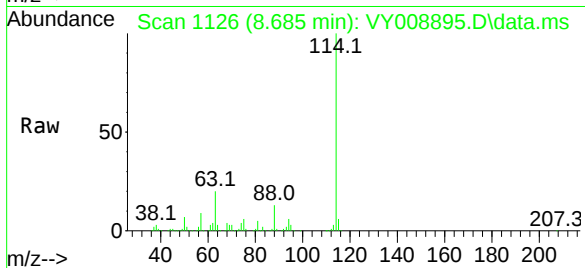
Tgt Ion:114 Resp: 224801

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.2

88 13.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 56.557 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY008895.D

Acq: 20 May 2022 03:02

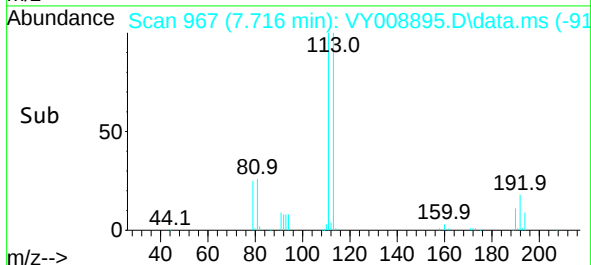
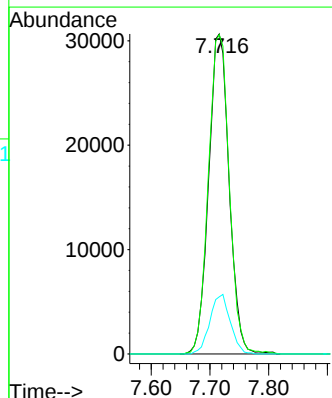
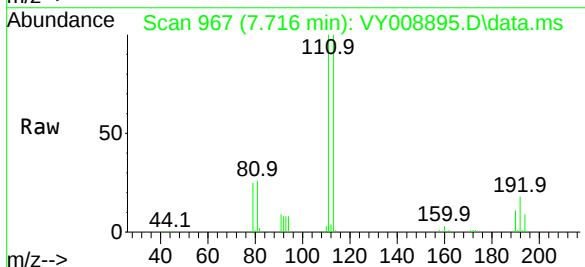
Tgt Ion:113 Resp: 74285

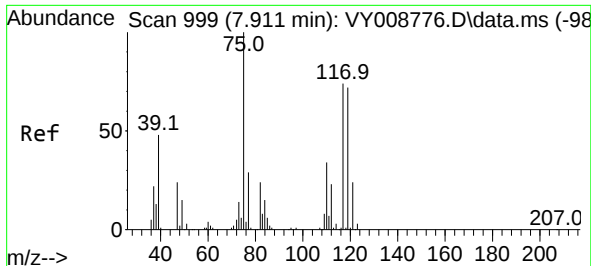
Ion Ratio Lower Upper

113 100

111 101.5 82.6 124.0

192 18.5 17.6 26.4

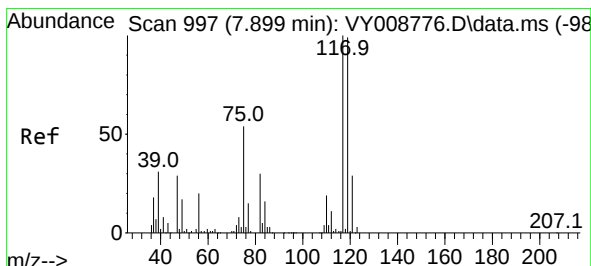
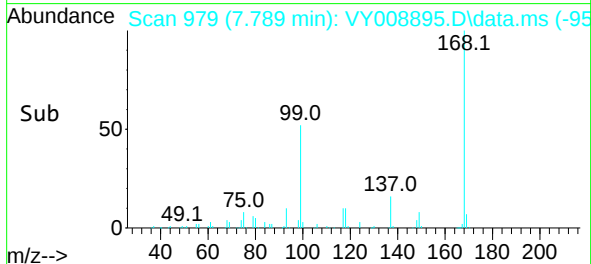
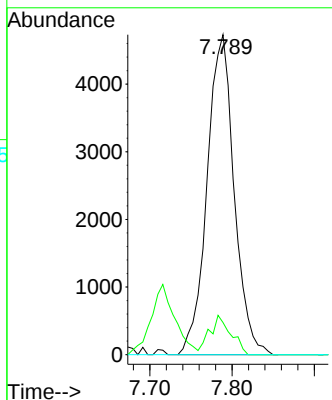
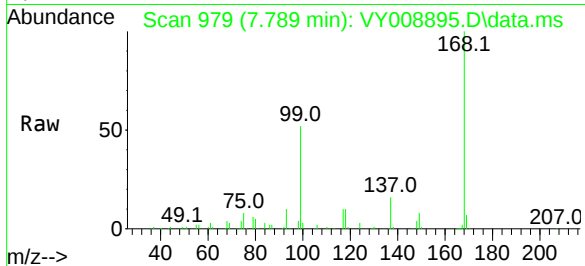




#36
1,1-Dichloropropene
Concen: 5.154 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.122 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

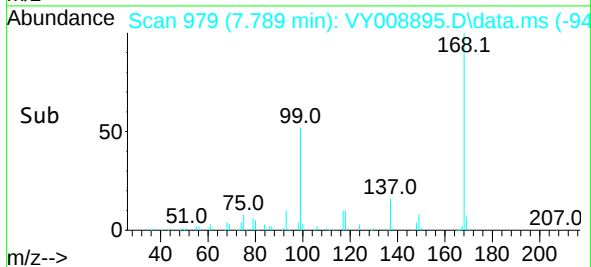
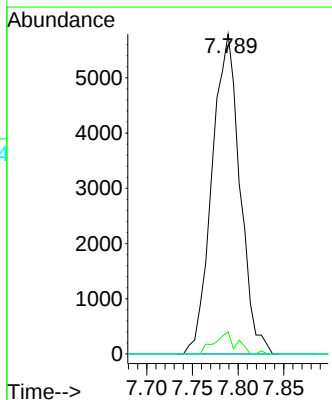
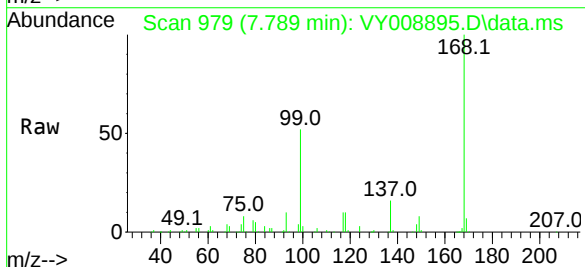
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

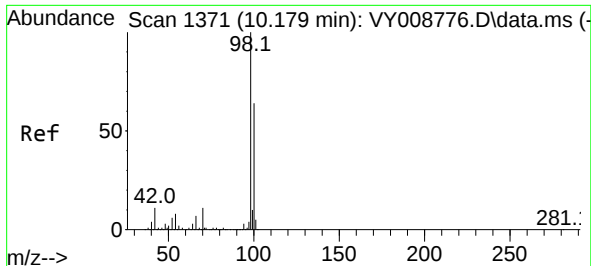
Tgt Ion: 75 Resp: 10842
Ion Ratio Lower Upper
75 100
110 9.7 17.1 51.2#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.461 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 117 Resp: 12311
Ion Ratio Lower Upper
117 100
119 7.0 77.9 116.9#
121 0.0 24.8 37.2#

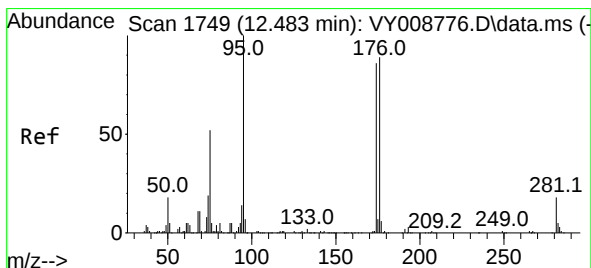
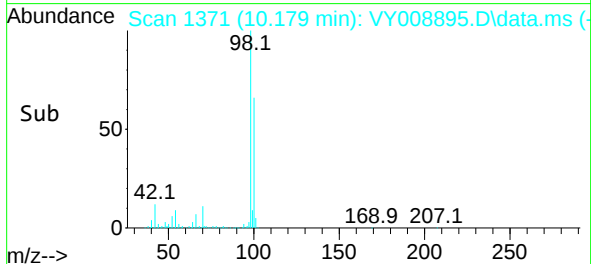
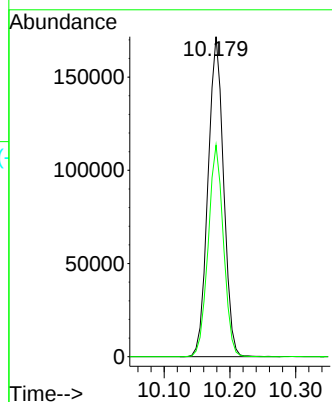
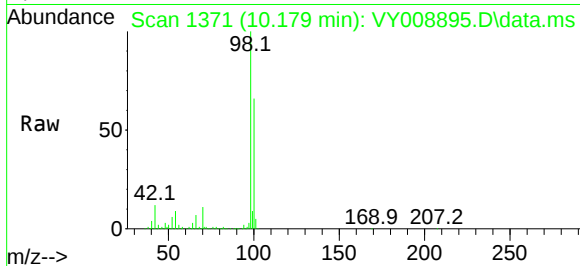




#50
Toluene-d8
Concen: 48.579 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

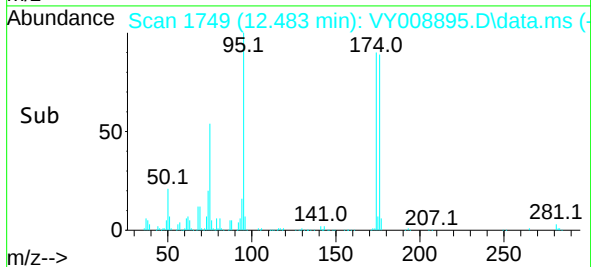
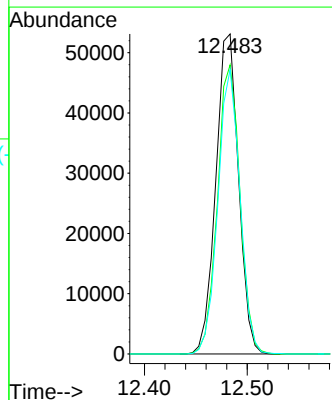
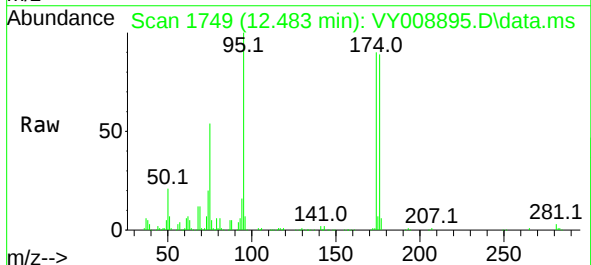
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

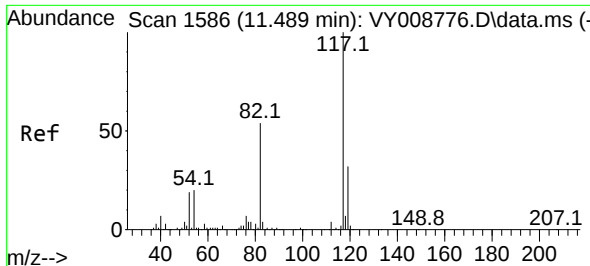
Tgt Ion: 98 Resp: 283059
Ion Ratio Lower Upper
98 100
100 64.8 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 39.837 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 95 Resp: 81414
Ion Ratio Lower Upper
95 100
174 89.6 0.0 177.0
176 86.3 0.0 175.8

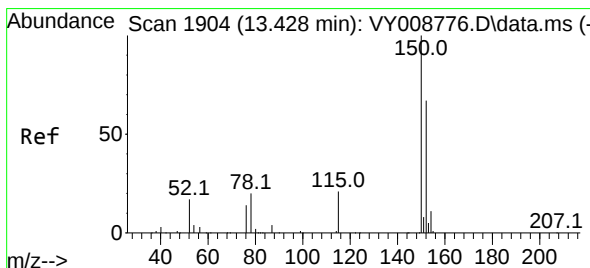
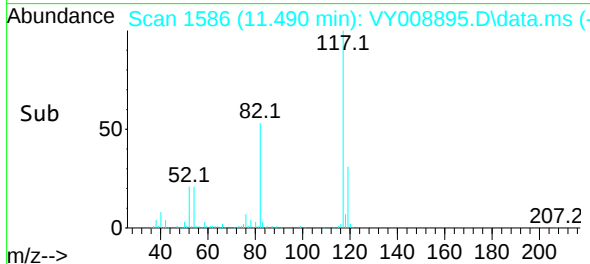
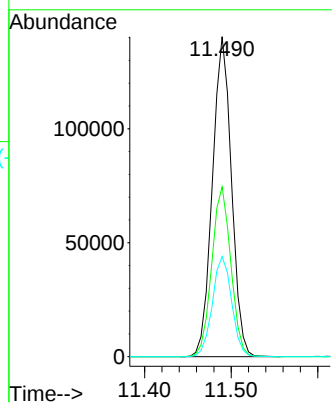
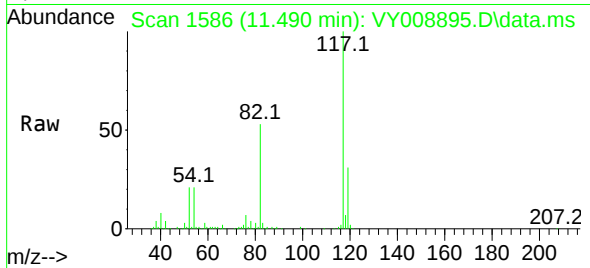




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

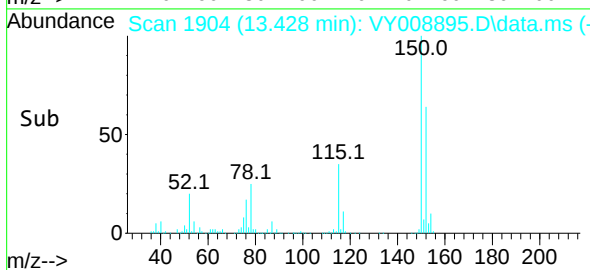
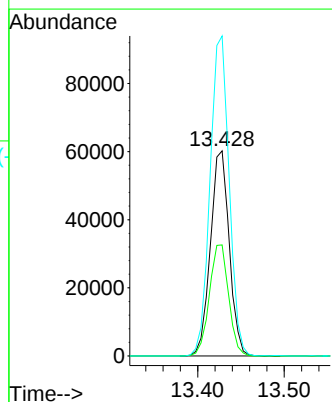
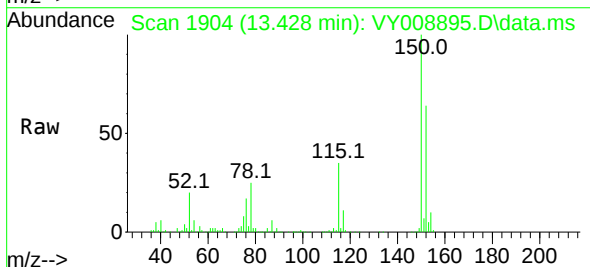
Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

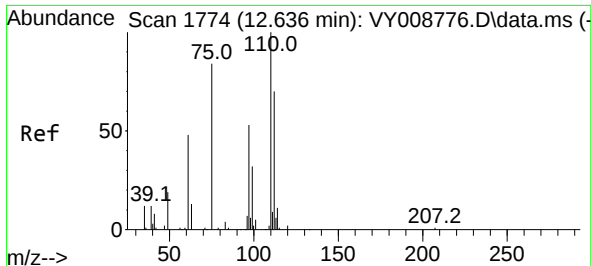
Tgt Ion:117 Resp: 214635
Ion Ratio Lower Upper
117 100
82 53.1 43.0 64.4
119 31.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion:152 Resp: 91001
Ion Ratio Lower Upper
152 100
115 55.2 28.2 84.7
150 157.8 0.0 347.6

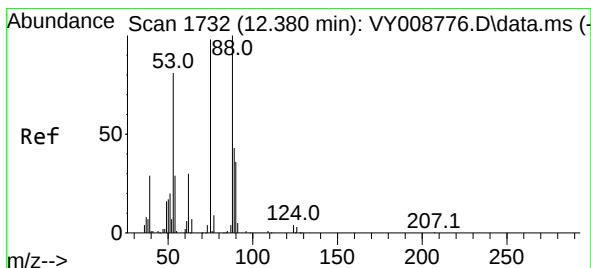
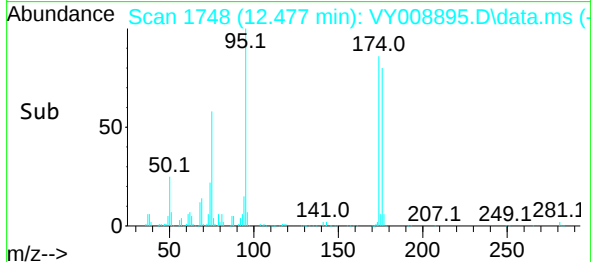
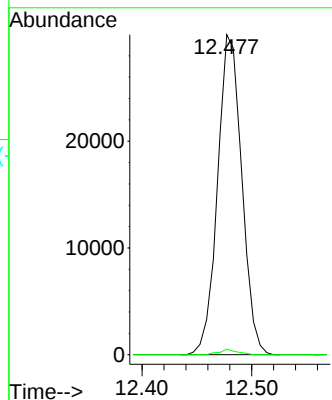
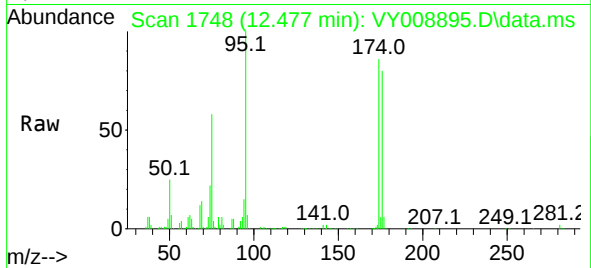




#76
1,2,3-Trichloropropane
Concen: 43.770 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.158 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Instrument :
MSVOA_Y
ClientSampleId :
P017-SS001-2430-01

Tgt Ion: 75 Resp: 46011
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 95.738 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY008895.D
Acq: 20 May 2022 03:02

Tgt Ion: 75 Resp: 46011
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

