

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010649.D
 Acq On : 23 Sep 2022 15:23
 Operator : KP/MD
 Sample : N4762-03
 Misc : 6.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22017-(17.5-18)

Quant Time: Sep 24 01:21:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

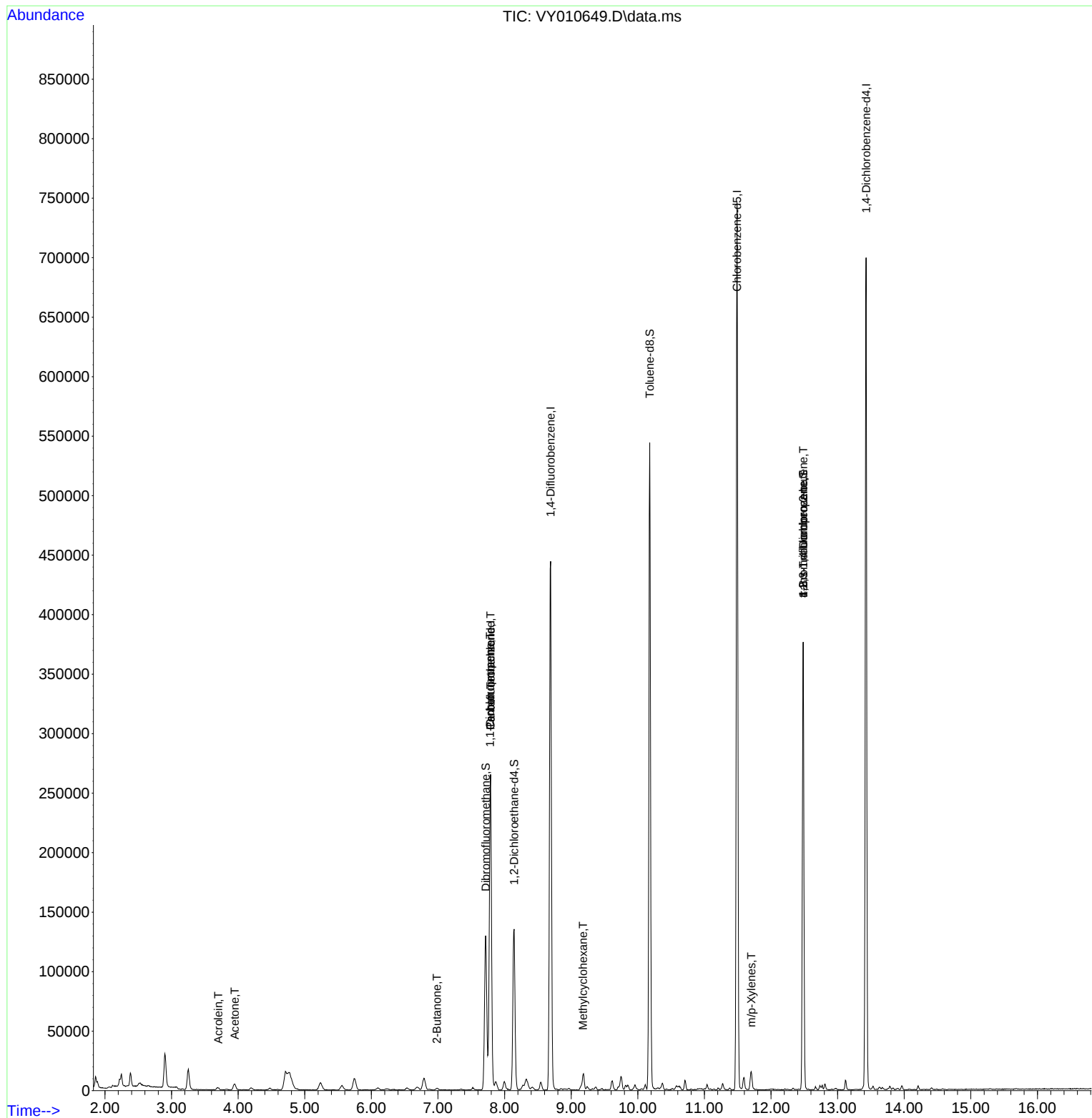
Internal Standards						
1) Pentafluorobenzene	7.789	168	199643	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	386358	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	398930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	178022	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106237	55.635	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.260%
35) Dibromofluoromethane	7.716	113	91248	37.006	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.020%
50) Toluene-d8	10.179	98	351091	39.244	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.480%
62) 4-Bromofluorobenzene	12.483	95	110357	31.639	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	63.280%
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	50	Below Cal	#	43
3) Chloromethane	2.113	50	379	Below Cal		94
4) Vinyl Chloride	2.272	62	25	Below Cal	#	43
5) Bromomethane	2.662	94	252	Below Cal	#	75
11) Tert butyl alcohol	4.930	59	257	Below Cal	#	77
13) Acrolein	3.704	56	106	1.193	ug/l #	1
16) Acetone	3.948	43	7971	20.470	ug/l	92
17) Carbon Disulfide	4.192	76	2783	Below Cal		99
20) Methylene Chloride	4.710	84	9309	Below Cal	#	78
25) 2-Butanone	6.984	43	2337	3.837	ug/l	96
36) 1,1-Dichloropropene	7.783	75	15210	5.536	ug/l #	51
38) Carbon Tetrachloride	7.789	117	19932	6.310	ug/l #	16
39) Methylcyclohexane	9.179	83	5006	1.557	ug/l #	85
68) m/p-Xylenes	11.703	106	4819	1.027	ug/l	94
76) 1,2,3-Trichloropropane	12.483	75	58563	34.467	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	58563	76.635	ug/l #	7

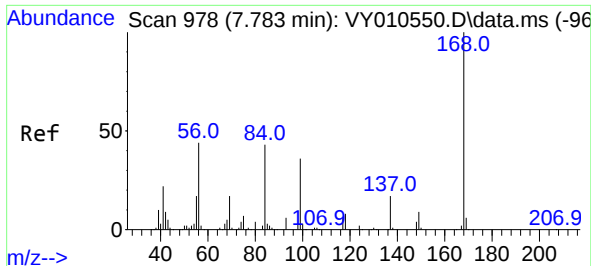
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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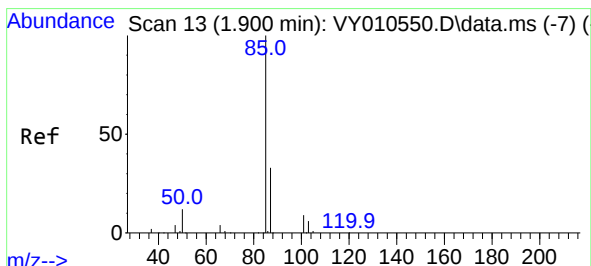
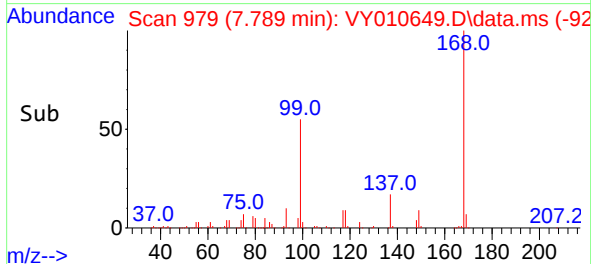
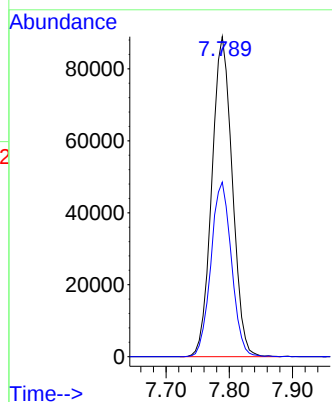
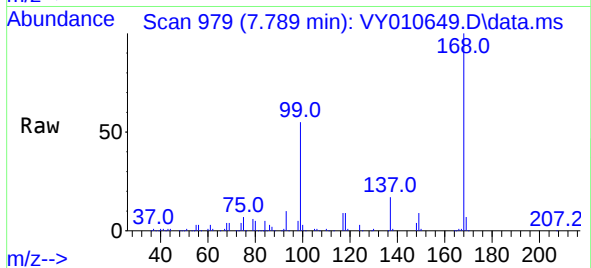




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

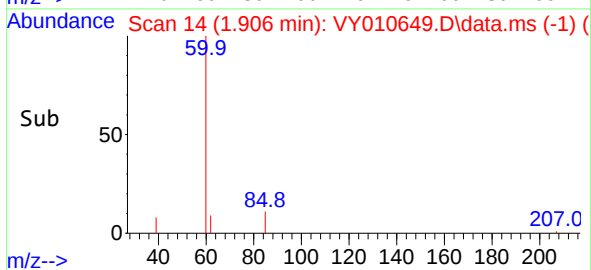
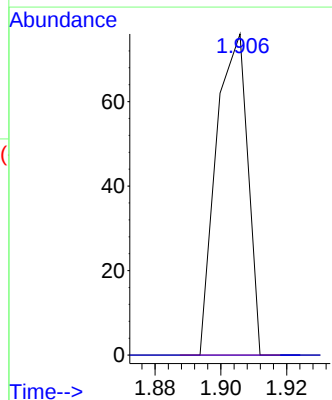
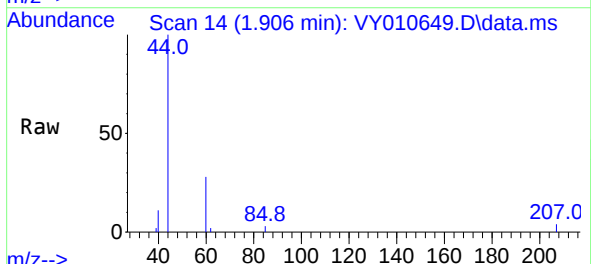
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

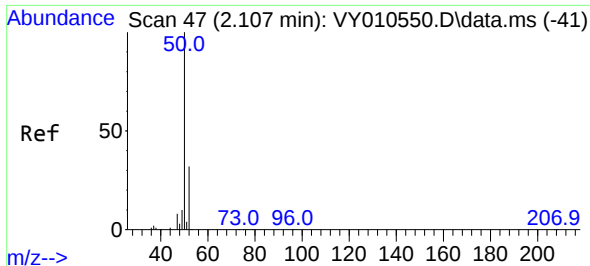
Tgt Ion:168 Resp: 199643
Ion Ratio Lower Upper
168 100
99 54.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 85 Resp: 50
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

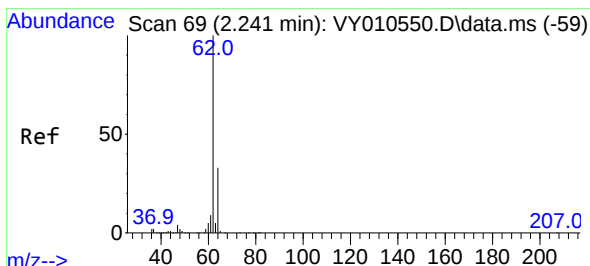
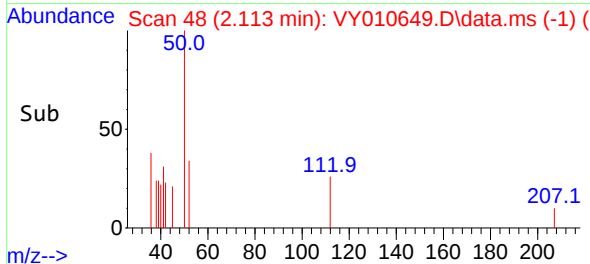
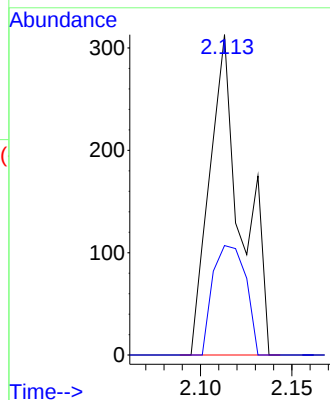
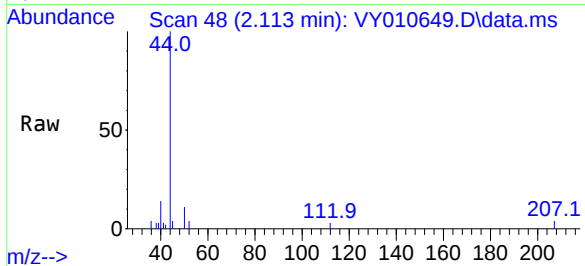




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

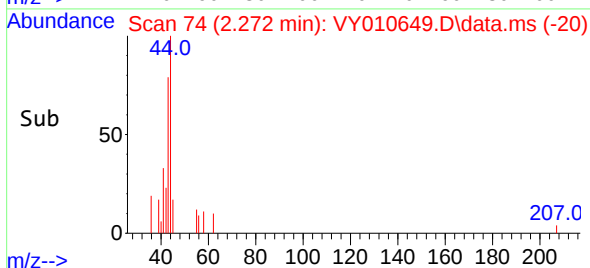
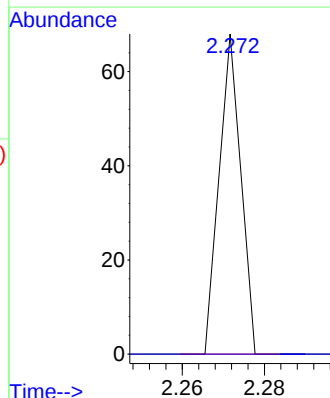
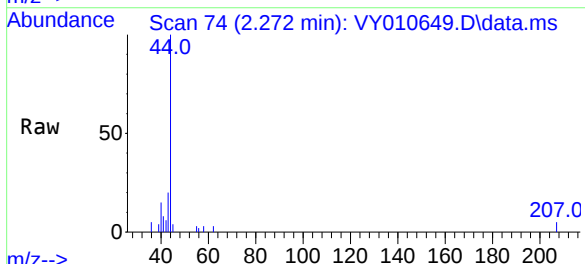
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

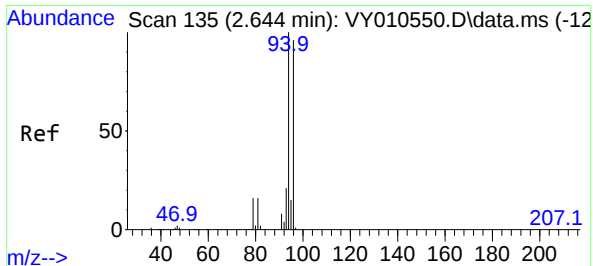
Tgt Ion: 50 Resp: 379
Ion Ratio Lower Upper
50 100
52 34.2 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.272 min Scan# 74
Delta R.T. 0.031 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 62 Resp: 25
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

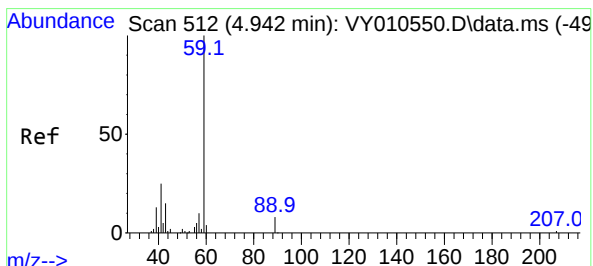
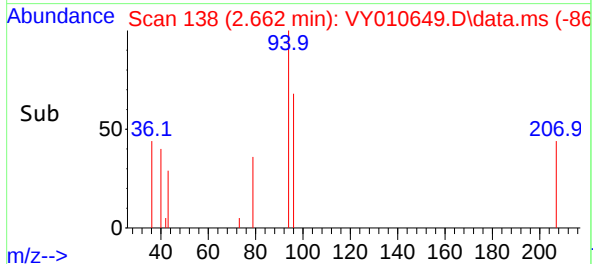
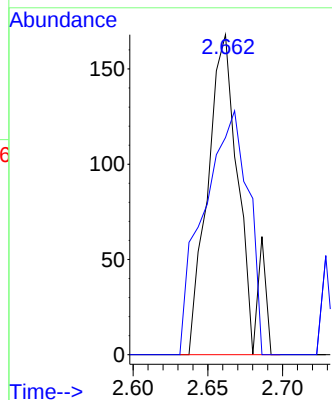
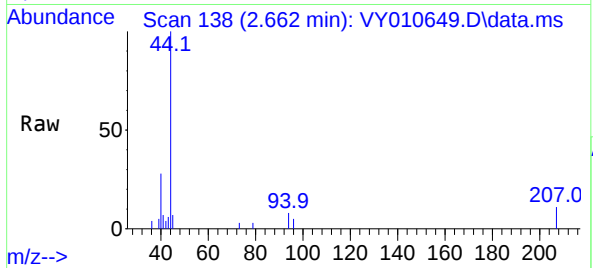




#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 11
Delta R.T. 0.018 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

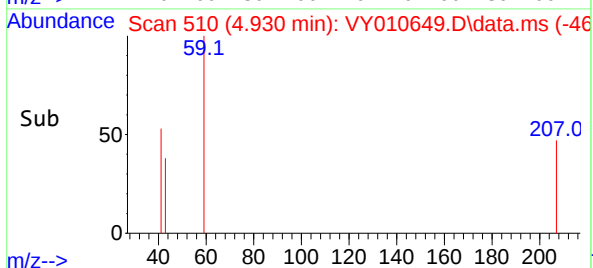
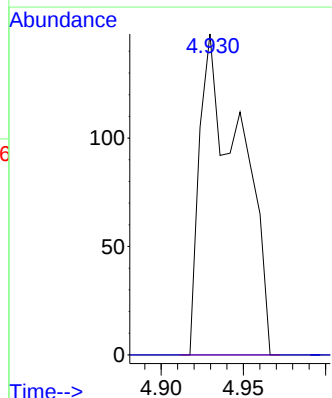
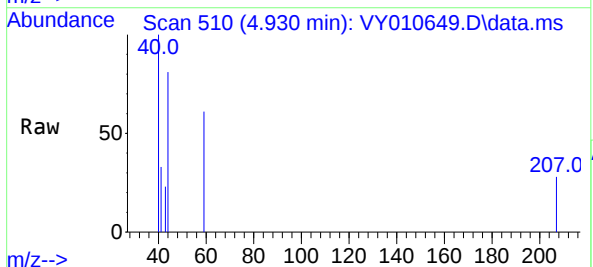
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

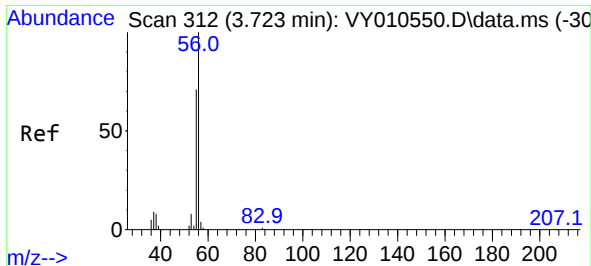
Tgt Ion: 94 Resp: 252
Ion Ratio Lower Upper
94 100
96 67.9 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 59 Resp: 257
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

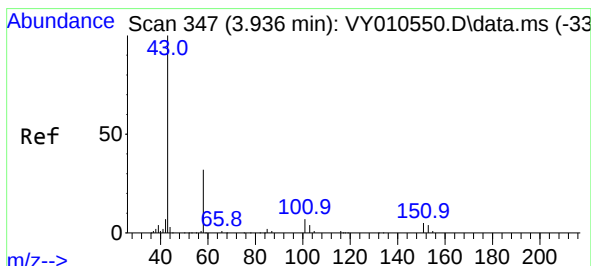
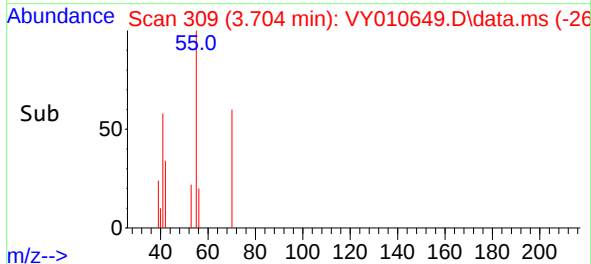
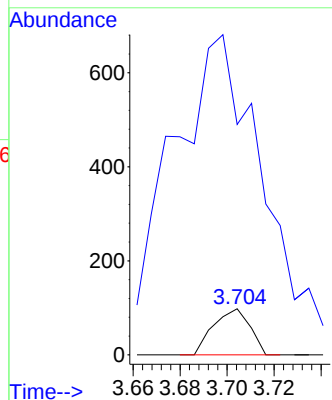
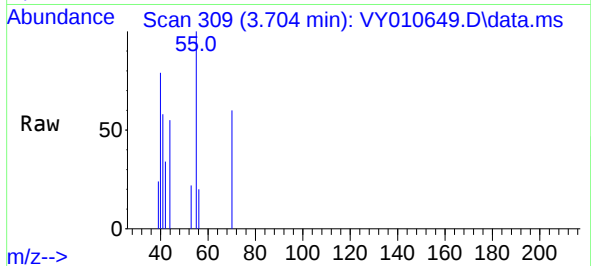




#13
Acrolein
Concen: 1.193 ug/l
RT: 3.704 min Scan# 309
Delta R.T. -0.019 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

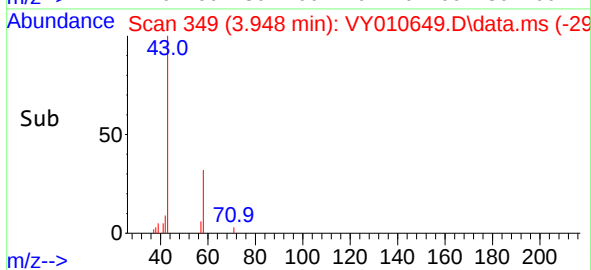
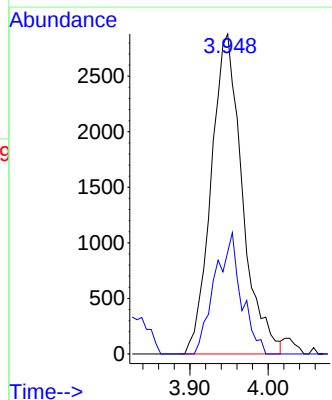
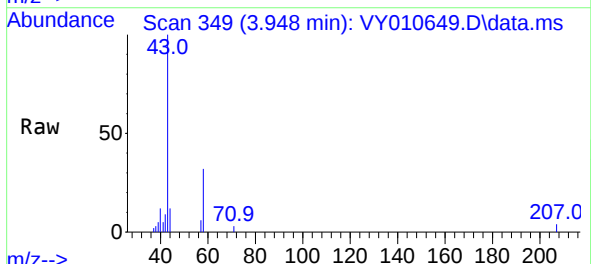
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

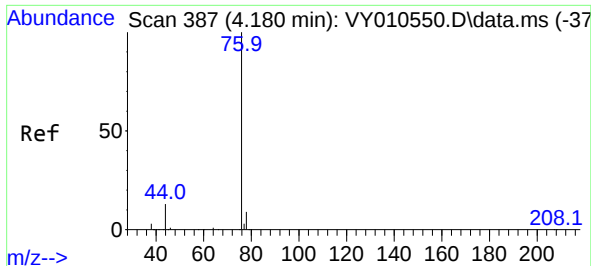
Tgt Ion: 56 Resp: 106
Ion Ratio Lower Upper
56 100
55 1745.3 57.6 86.4#



#16
Acetone
Concen: 20.470 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 43 Resp: 7971
Ion Ratio Lower Upper
43 100
58 31.8 22.0 33.0

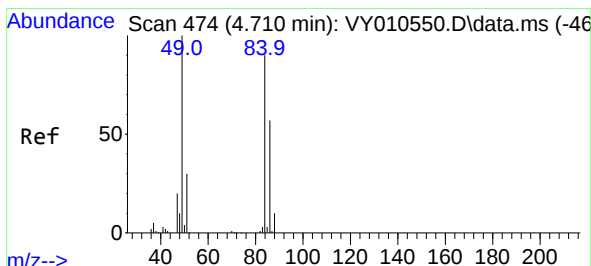
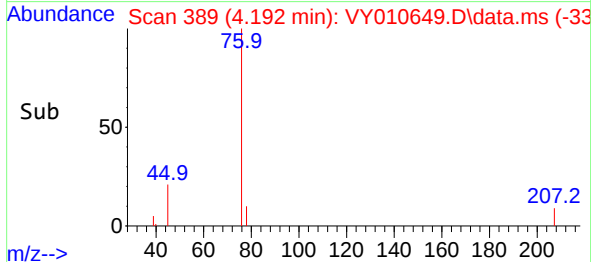
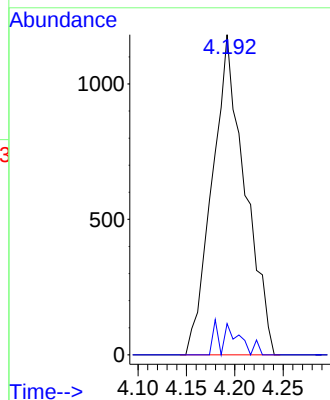
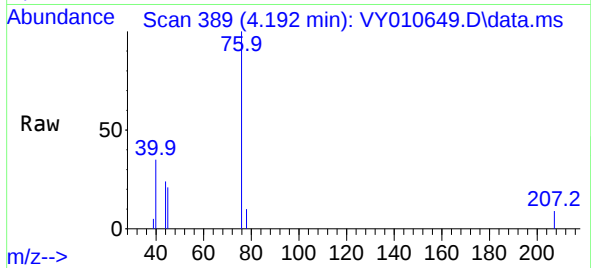




#17
Carbon Disulfide
Concen: Below Cal
RT: 4.192 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

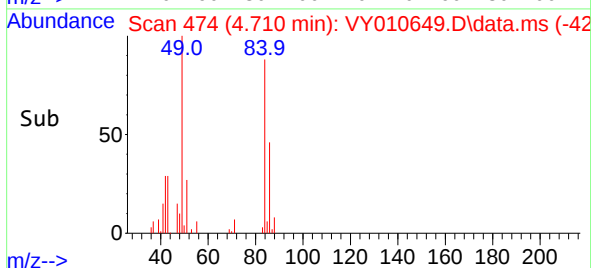
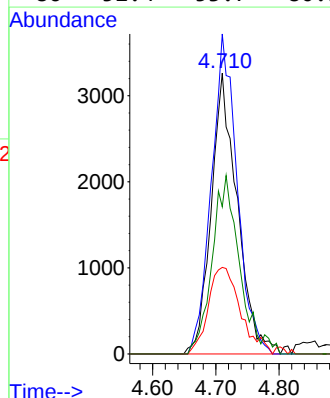
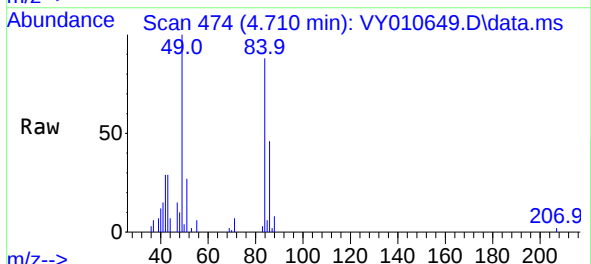
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

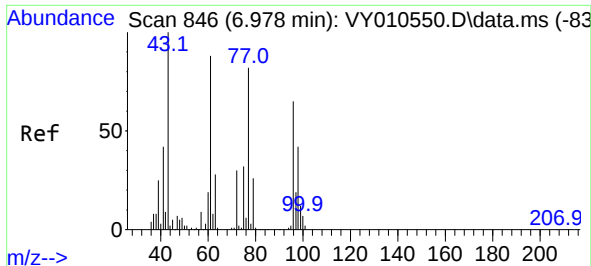
Tgt Ion: 76 Resp: 2783
Ion Ratio Lower Upper
76 100
78 9.7 7.4 11.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 84 Resp: 9309
Ion Ratio Lower Upper
84 100
49 113.9 114.4 171.6#
51 30.8 35.3 52.9#
86 52.4 53.7 80.5#

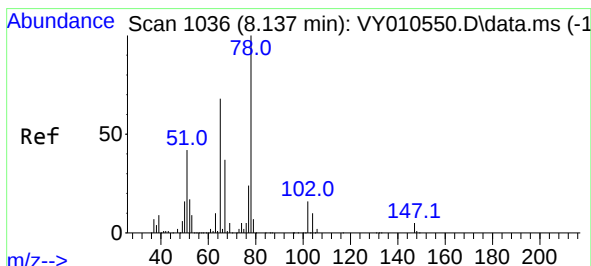
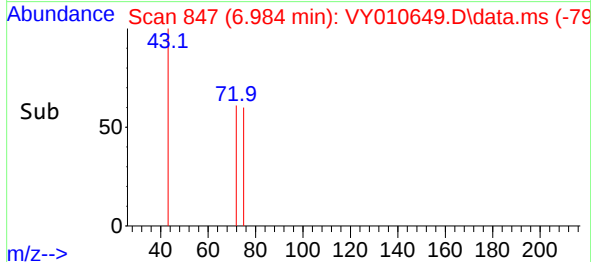
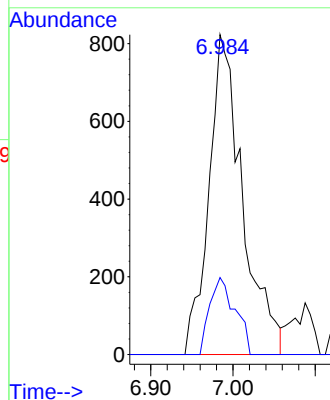
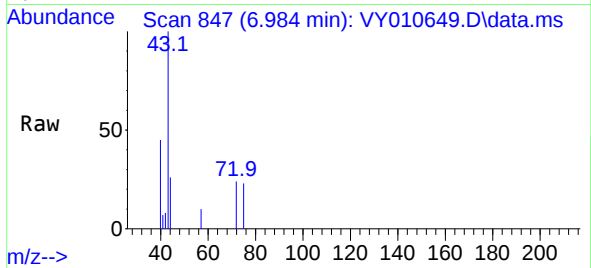




#25
2-Butanone
Concen: 3.837 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

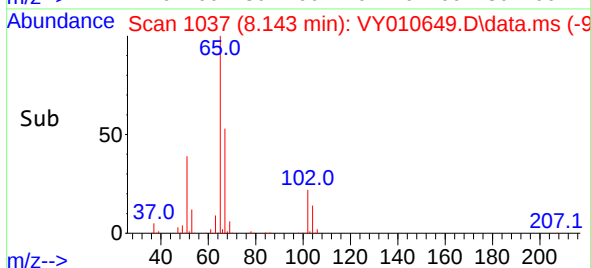
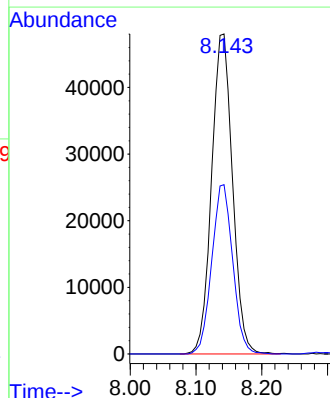
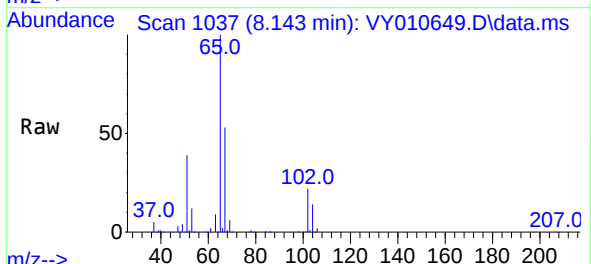
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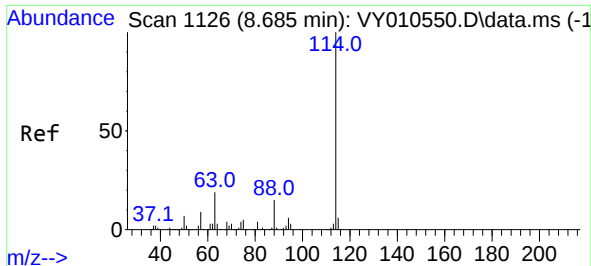
Tgt Ion: 43 Resp: 2337
Ion Ratio Lower Upper
43 100
72 24.1 17.7 26.5



#33
1,2-Dichloroethane-d4
Concen: 55.635 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 65 Resp: 106237
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# 11

Delta R.T. 0.006 min

Lab File: VY010649.D

Acq: 23 Sep 2022 15:23

Instrument :

MSVOA_Y

ClientSampleId :

D22017-(17.5-18)

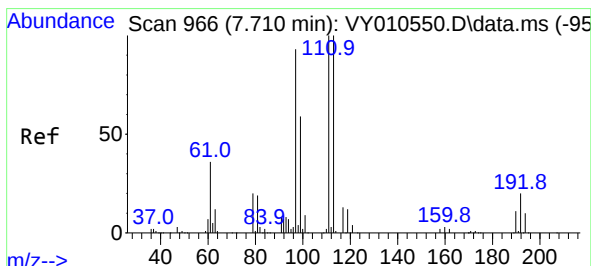
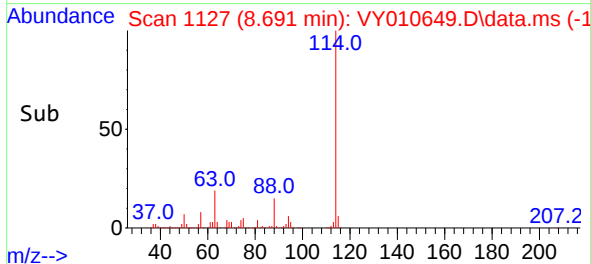
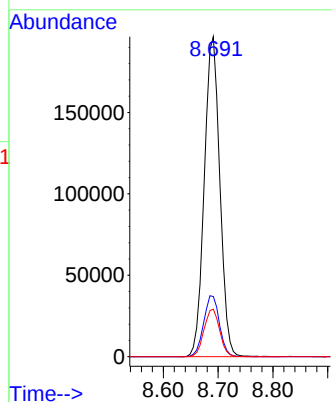
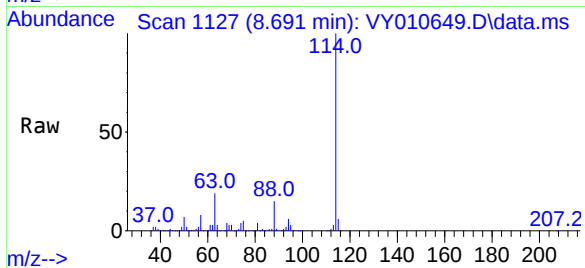
Tgt Ion:114 Resp: 386358

Ion Ratio Lower Upper

114 100

63 18.8 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 37.006 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010649.D

Acq: 23 Sep 2022 15:23

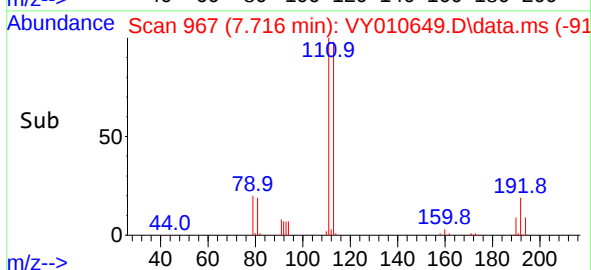
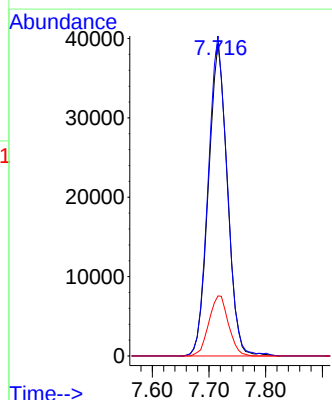
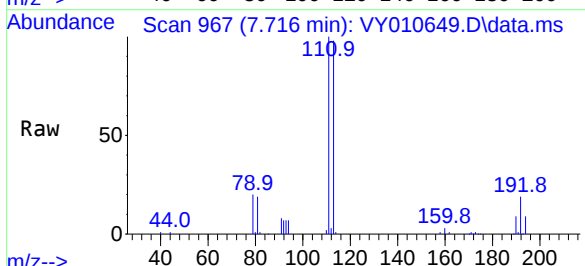
Tgt Ion:113 Resp: 91248

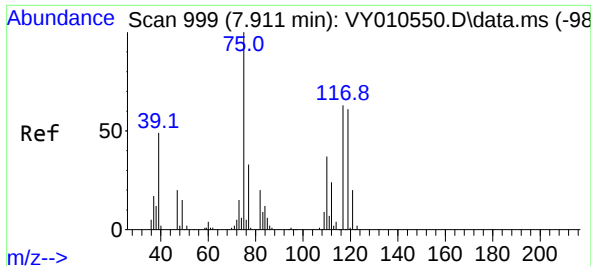
Ion Ratio Lower Upper

113 100

111 102.9 82.6 124.0

192 19.9 17.6 26.4

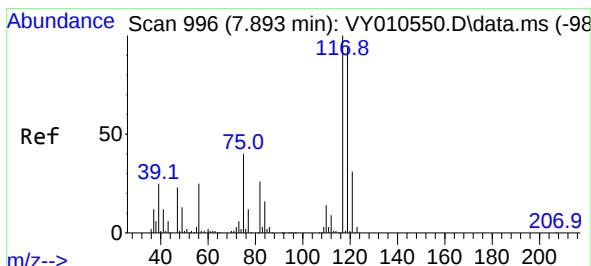
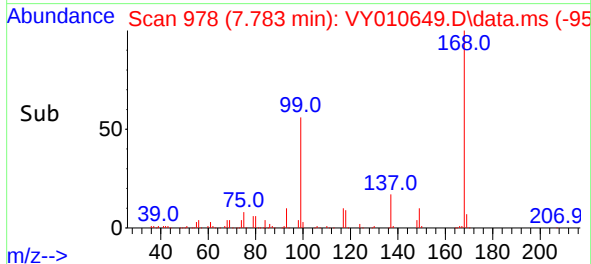
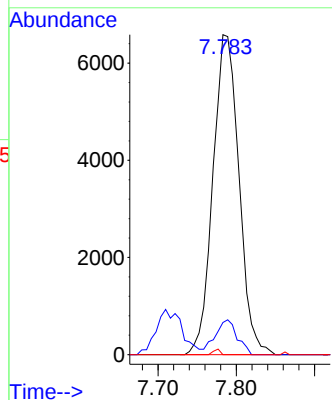
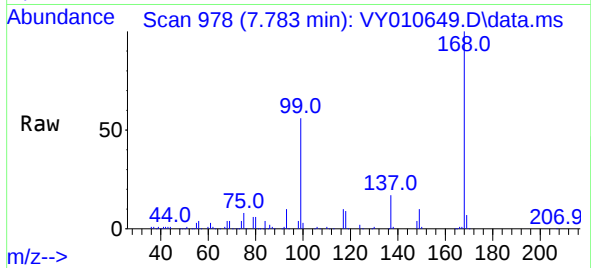




#36
1,1-Dichloropropene
Concen: 5.536 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

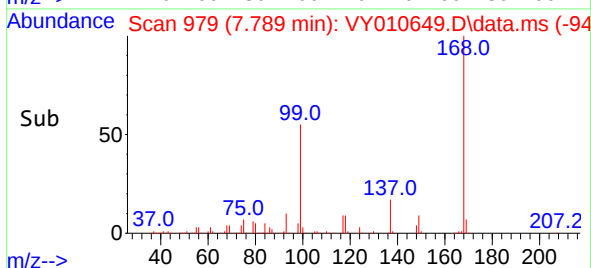
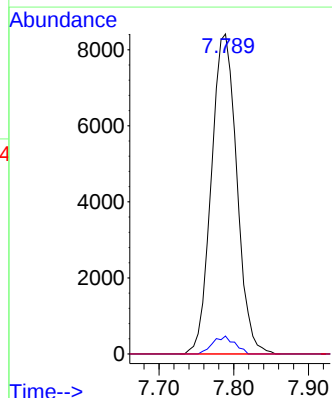
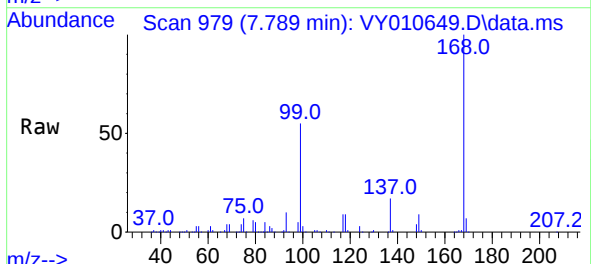
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

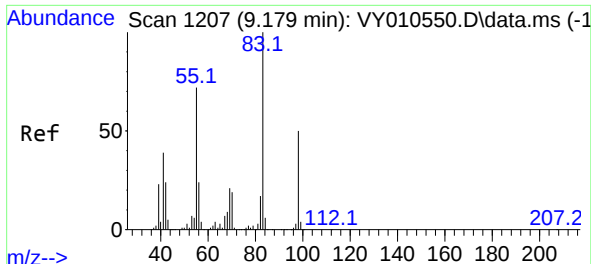
Tgt Ion: 75 Resp: 15210
Ion Ratio Lower Upper
75 100
110 9.4 17.1 51.2#
77 0.4 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 6.310 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.104 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 117 Resp: 19932
Ion Ratio Lower Upper
117 100
119 5.6 77.9 116.9#
121 0.0 24.8 37.2#





#39

Methylcyclohexane

Concen: 1.557 ug/l

RT: 9.179 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY010649.D

Acq: 23 Sep 2022 15:23

Instrument :

MSVOA_Y

ClientSampleId :

D22017-(17.5-18)

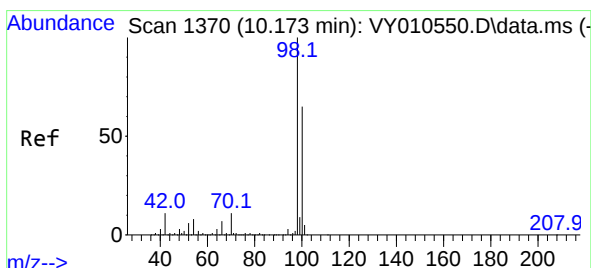
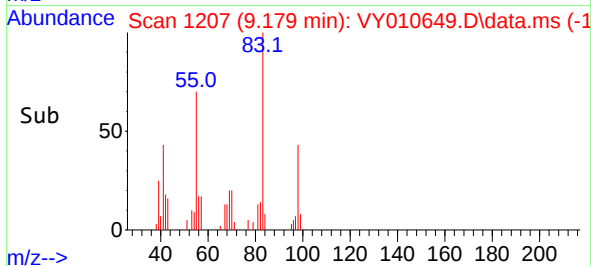
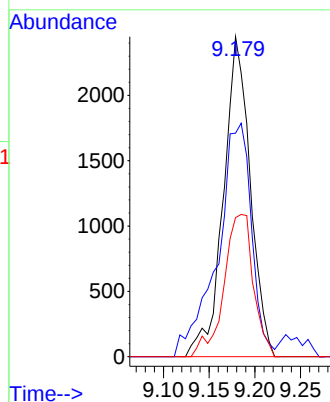
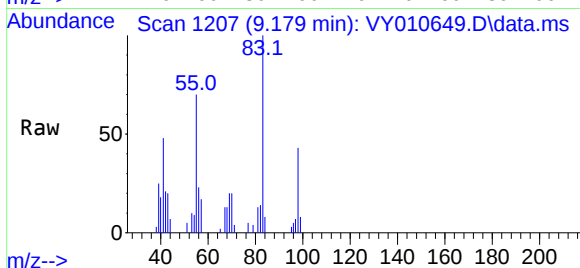
Tgt Ion: 83 Resp: 5006

Ion Ratio Lower Upper

83 100

55 65.3 66.5 99.7#

98 43.4 37.9 56.9



#50

Toluene-d8

Concen: 39.244 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.006 min

Lab File: VY010649.D

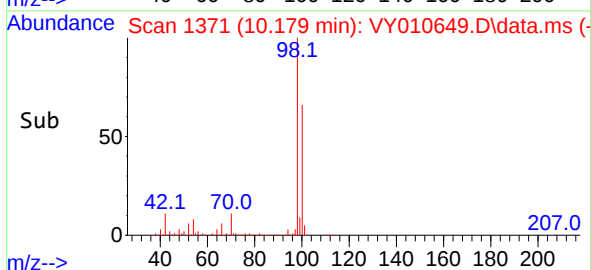
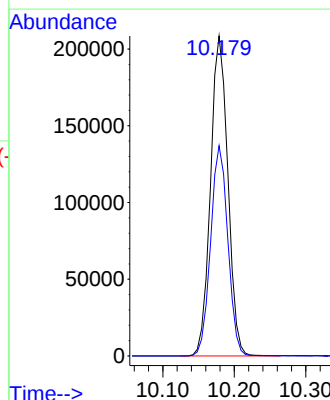
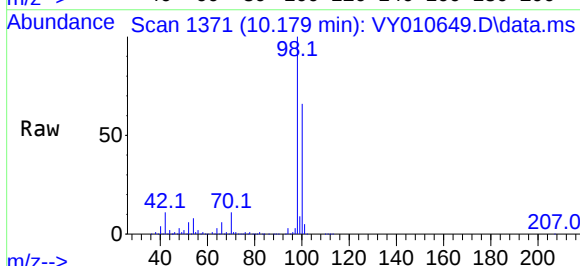
Acq: 23 Sep 2022 15:23

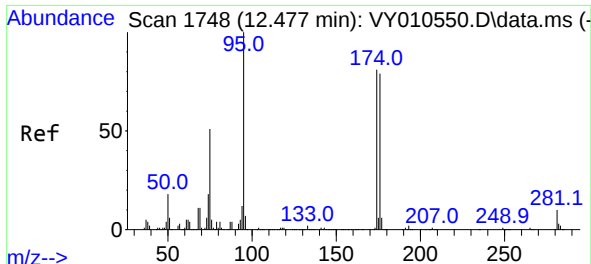
Tgt Ion: 98 Resp: 351091

Ion Ratio Lower Upper

98 100

100 65.2 50.2 75.2

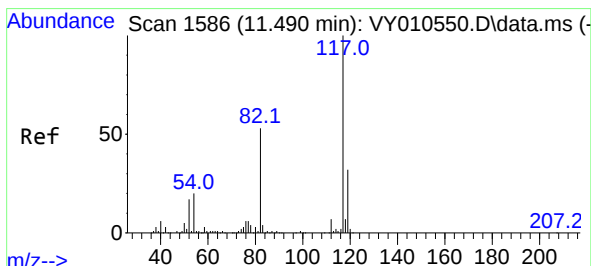
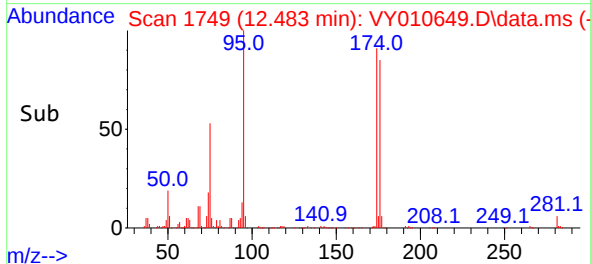
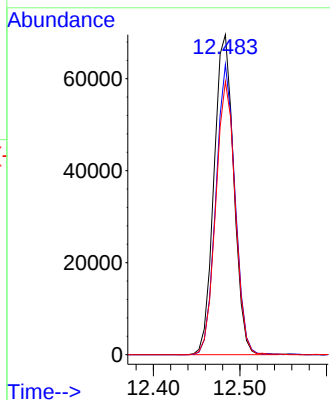
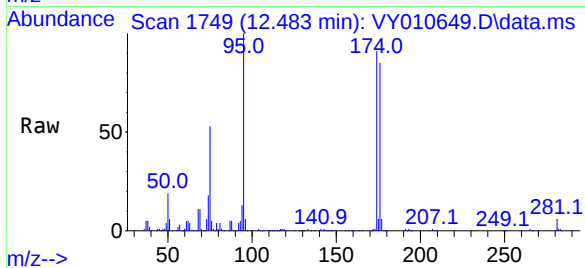




#62
4-Bromofluorobenzene
Concen: 31.639 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

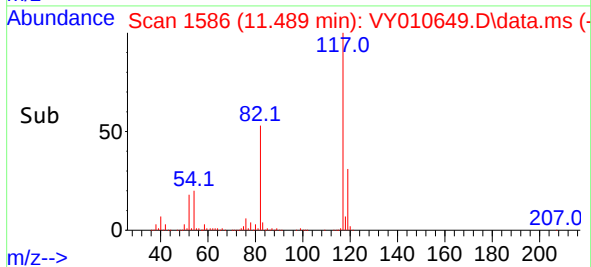
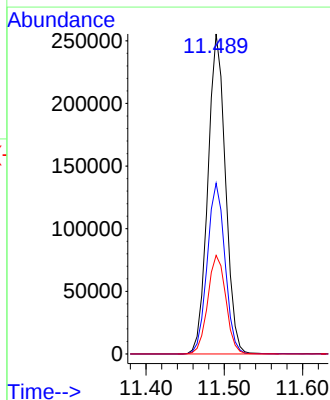
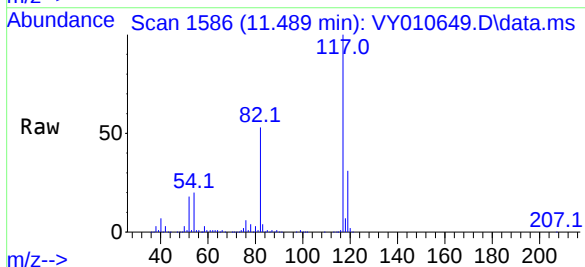
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

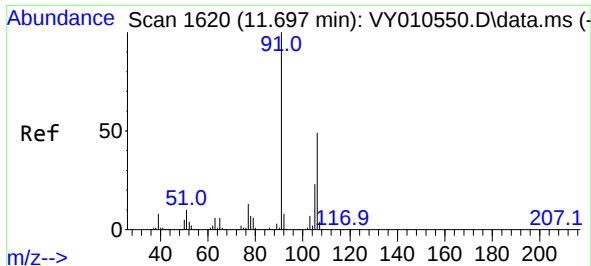
Tgt Ion: 95 Resp: 110357
Ion Ratio Lower Upper
95 100
174 87.6 0.0 177.0
176 84.2 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 117 Resp: 398930
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 30.8 25.4 38.0

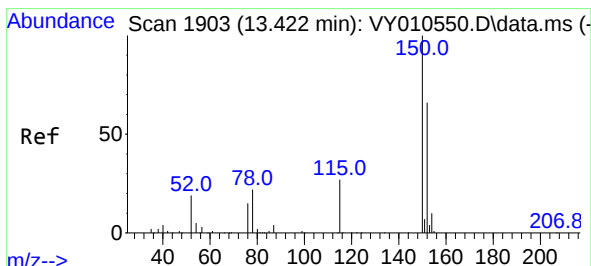
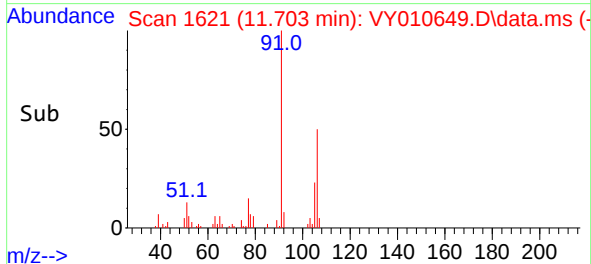
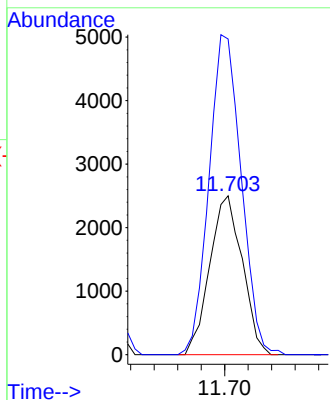
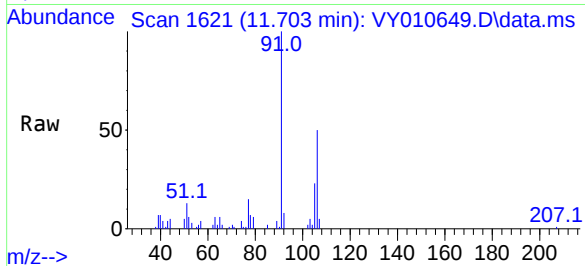




#68
m/p-Xylenes
Concen: 1.027 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

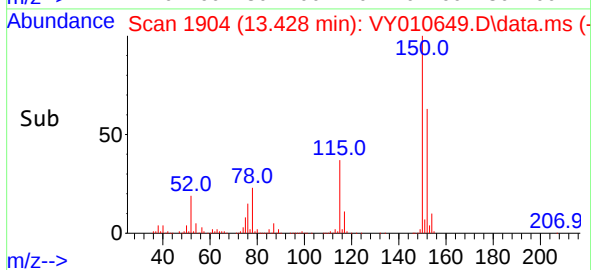
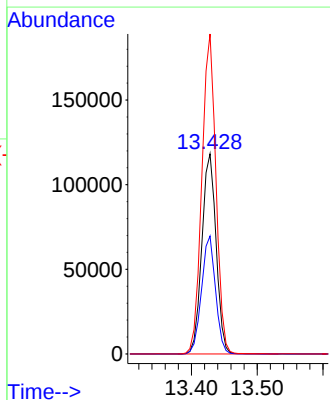
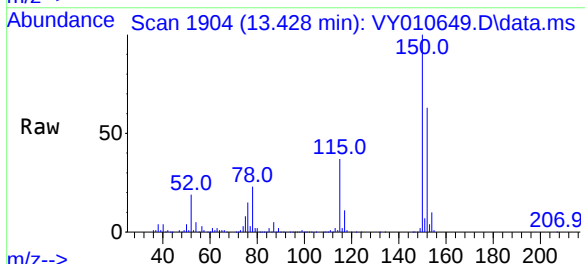
Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

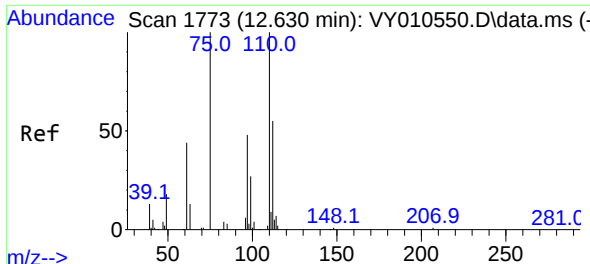
Tgt Ion:106 Resp: 4819
Ion Ratio Lower Upper
106 100
91 199.2 166.6 249.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion:152 Resp: 178022
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 158.3 0.0 347.6

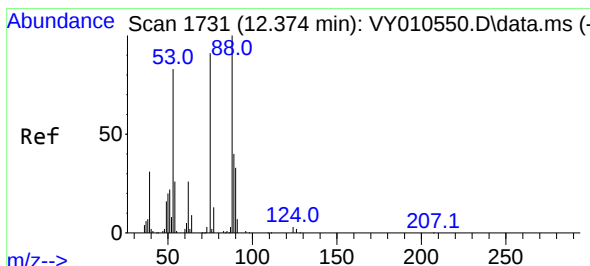
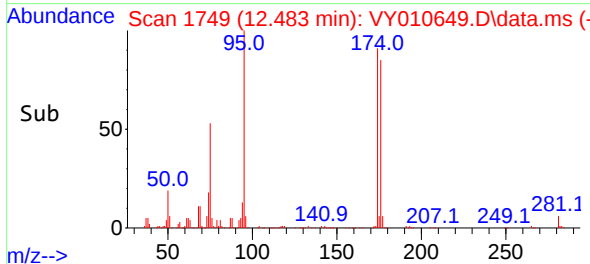
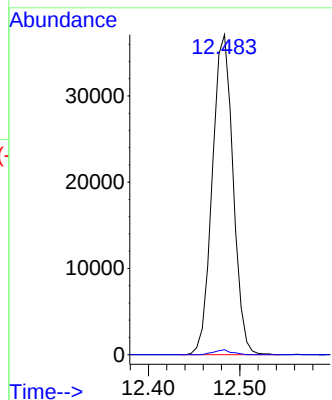
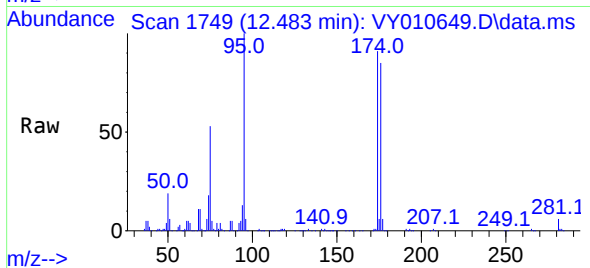




#76
1,2,3-Trichloropropane
Concen: 34.467 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Instrument :
MSVOA_Y
ClientSampleId :
D22017-(17.5-18)

Tgt Ion: 75 Resp: 58563
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.635 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY010649.D
Acq: 23 Sep 2022 15:23

Tgt Ion: 75 Resp: 58563
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

