

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY120522\
 Data File : VY011688.D
 Acq On : 05 Dec 2022 11:33
 Operator : KP/MD
 Sample : VY1205SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY1205SBL01

Quant Time: Dec 06 00:35:16 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y111822S.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 19 22:37:14 2022
 Response via : Initial Calibration

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

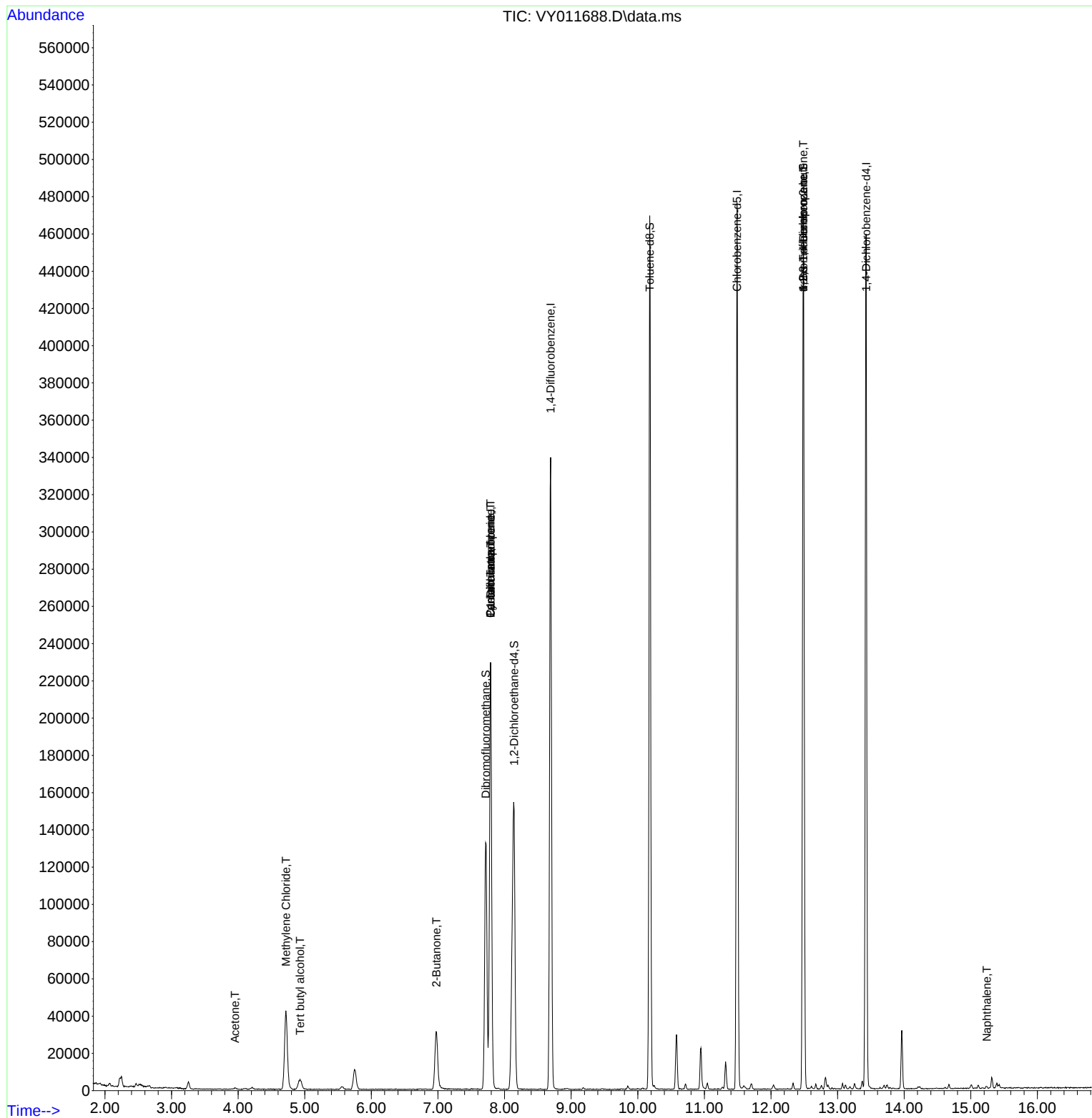
Internal Standards						
1) Pentafluorobenzene	7.789	168	171716	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	287246	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	255665	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	118952	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	97700	56.034	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 112.060%			
35) Dibromofluoromethane	7.716	113	95348	53.922	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.840%			
50) Toluene-d8	10.179	98	301976	46.995	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.980%			
62) 4-Bromofluorobenzene	12.483	95	111245	46.825	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	513	Below Cal		100
3) Chloromethane	2.113	50	348	Below Cal	#	81
5) Bromomethane	2.656	94	345	Below Cal		95
11) Tert butyl alcohol	4.930	59	5854	1.183	ug/l #	77
16) Acetone	3.954	43	1138	2.009	ug/l	96
18) Methyl Acetate	4.485	43	25	Below Cal	#	56
20) Methylene Chloride	4.716	84	30139	4.348	ug/l	89
25) 2-Butanone	6.978	43	1861	2.500	ug/l #	79
31) Cyclohexane	7.789	56	3970	1.374	ug/l #	27
36) 1,1-Dichloropropene	7.789	75	13596	4.919	ug/l #	51
38) Carbon Tetrachloride	7.789	117	17634	5.702	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	59267	46.265	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59267	101.336	ug/l #	8
95) Naphthalene	15.239	128	1274	4.298	ug/l #	91

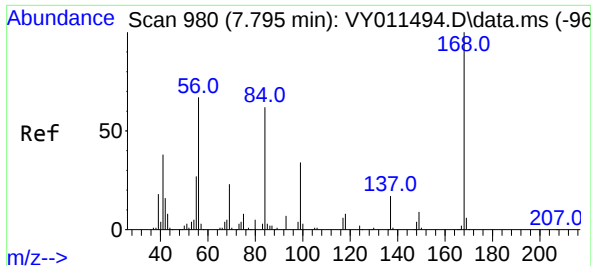
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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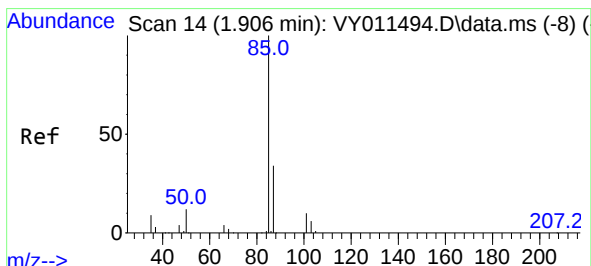
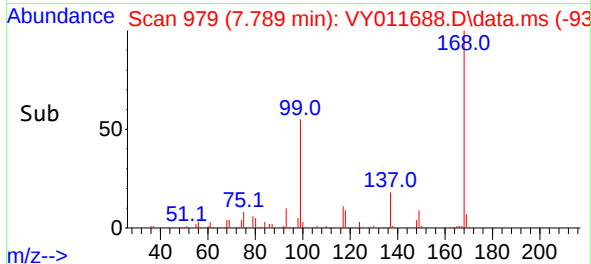
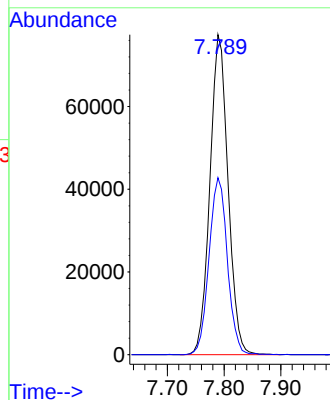
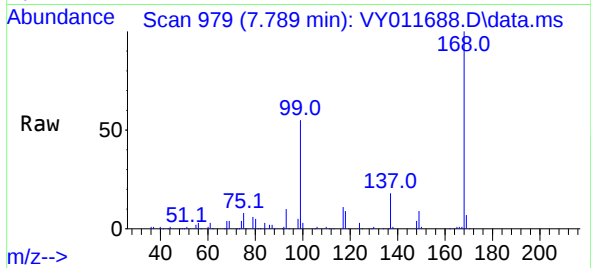




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

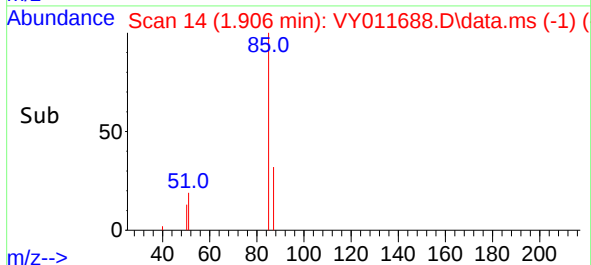
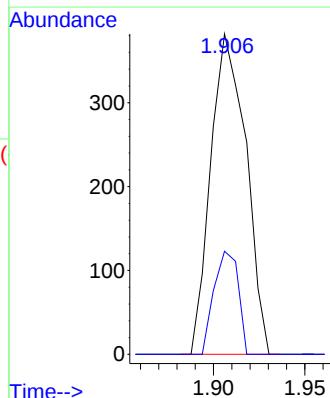
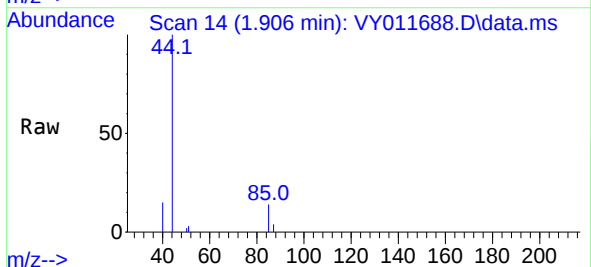
Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

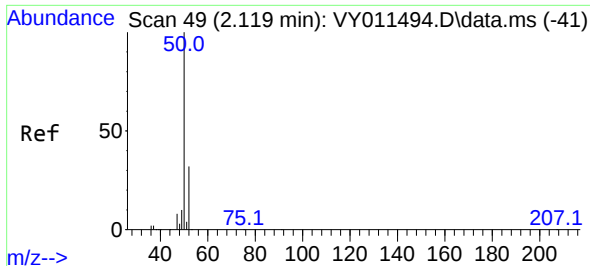
Tgt Ion:168 Resp: 171716
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 85 Resp: 513
Ion Ratio Lower Upper
85 100
87 32.2 16.1 48.2

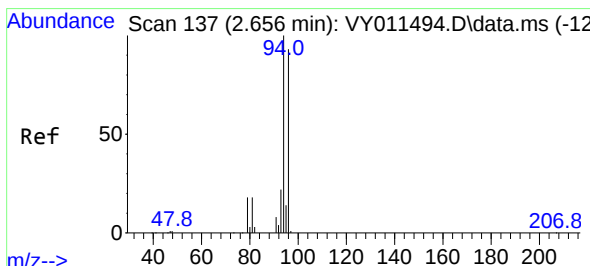
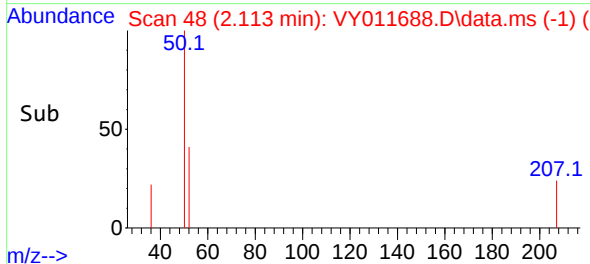
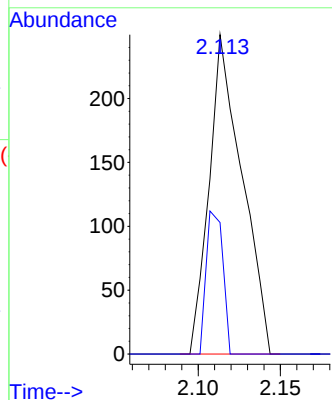
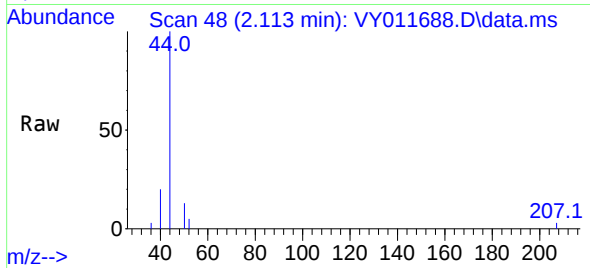




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

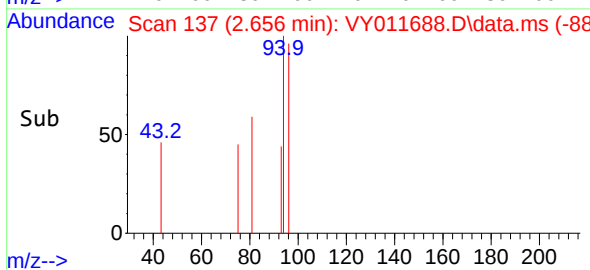
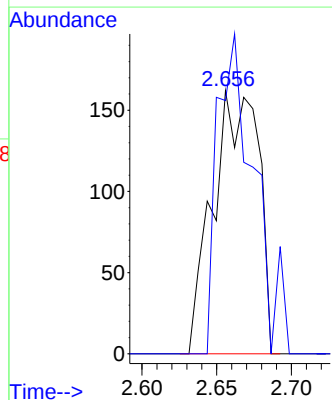
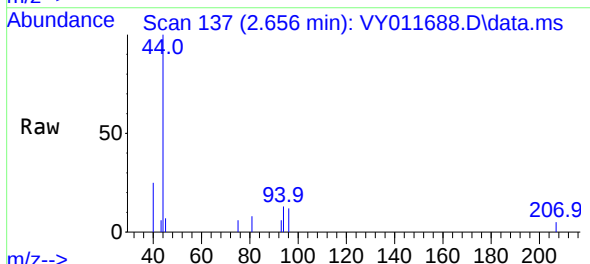
Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

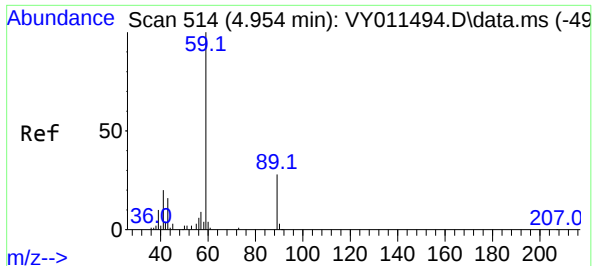
Tgt Ion: 50 Resp: 348
Ion Ratio Lower Upper
50 100
52 41.2 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 137
Delta R.T. -0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 94 Resp: 345
Ion Ratio Lower Upper
94 100
96 96.3 73.5 110.3

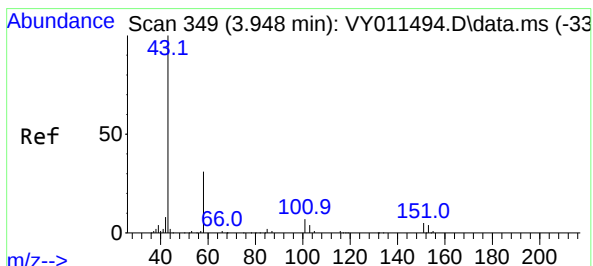
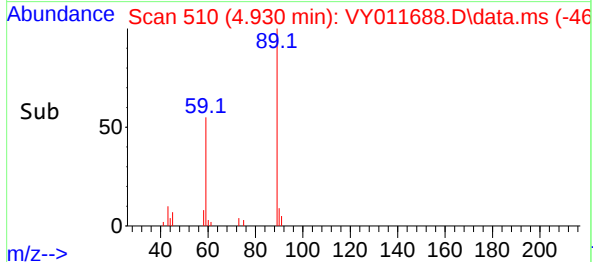
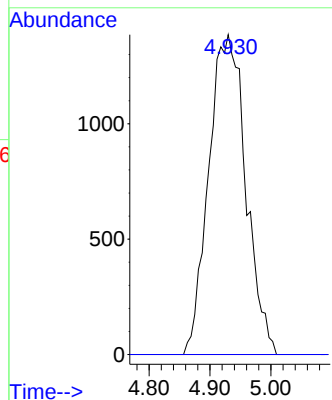
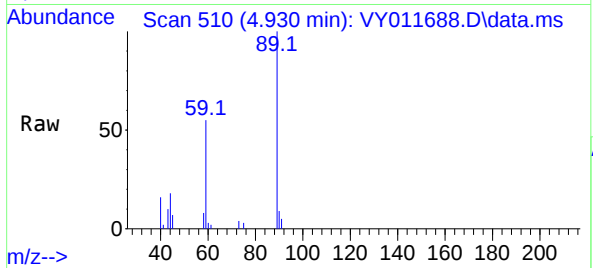




#11
Tert butyl alcohol
Concen: 1.183 ug/l
RT: 4.930 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

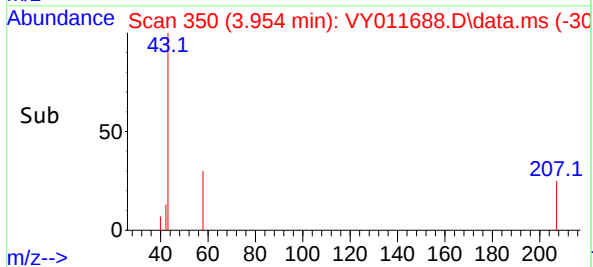
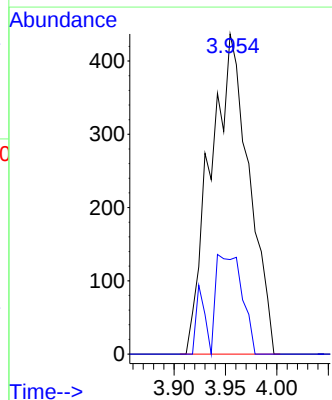
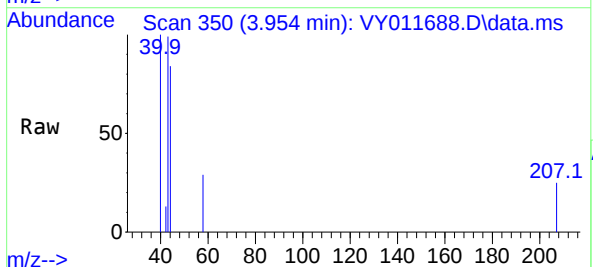
Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

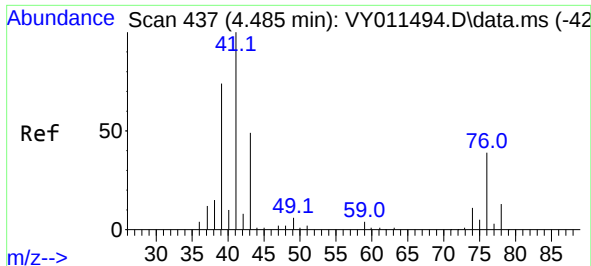
Tgt Ion: 59 Resp: 5854
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 2.009 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.006 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 43 Resp: 1138
Ion Ratio Lower Upper
43 100
58 29.5 22.0 33.0

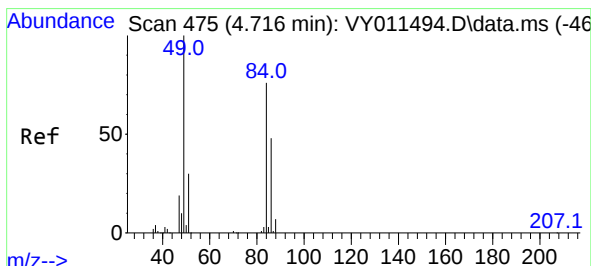
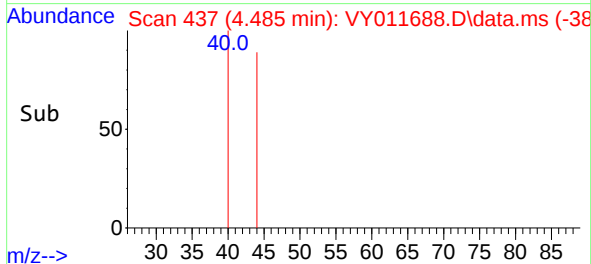
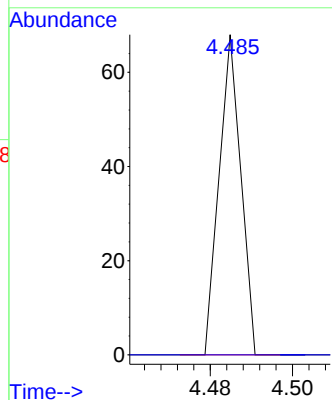
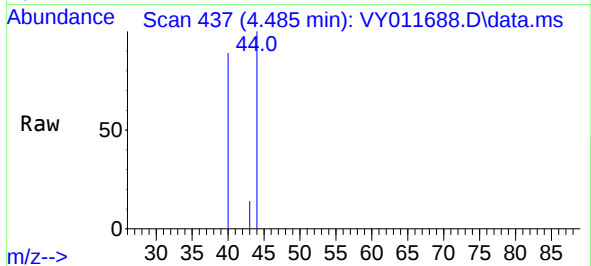




#18
Methyl Acetate
Concen: Below Cal
RT: 4.485 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

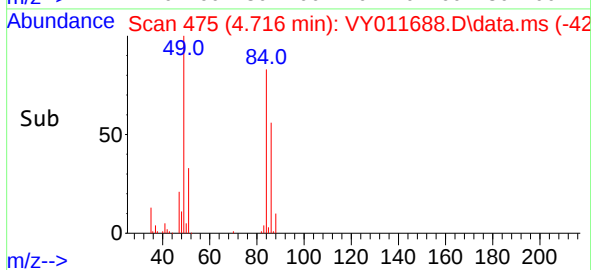
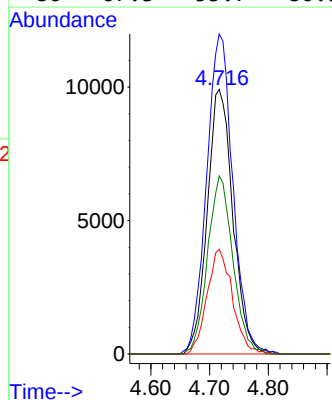
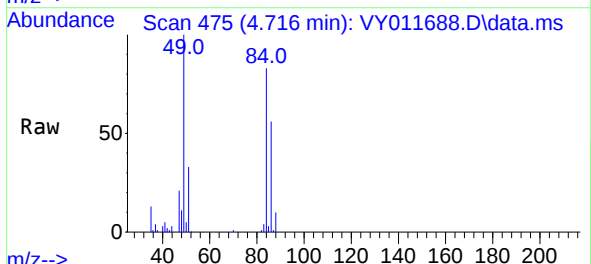
Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

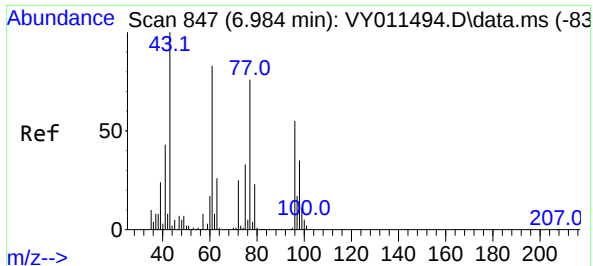
Tgt Ion: 43 Resp: 25
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 4.348 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 84 Resp: 30139
Ion Ratio Lower Upper
84 100
49 121.0 114.4 171.6
51 39.6 35.3 52.9
86 67.3 53.7 80.5





#25

2-Butanone

Concen: 2.500 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

Lab File: VY011688.D

Acq: 05 Dec 2022 11:33

Instrument :

MSVOA_Y

ClientSampleId :

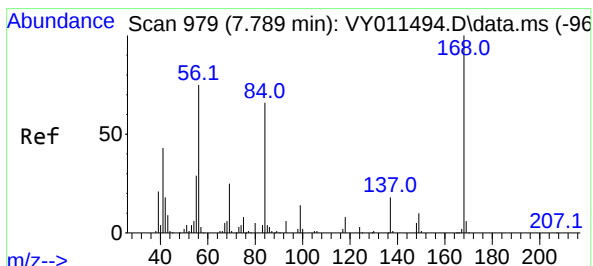
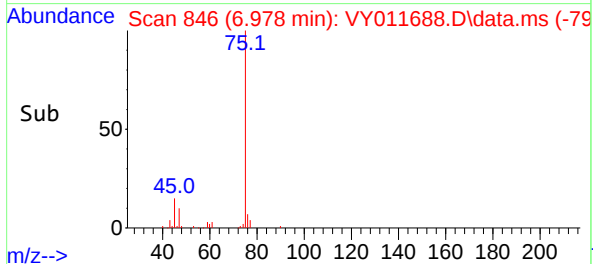
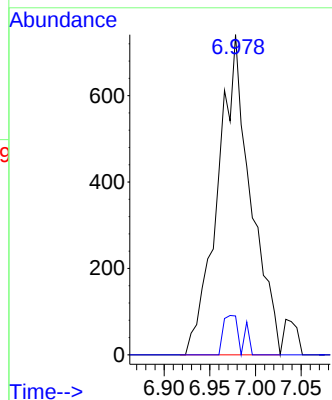
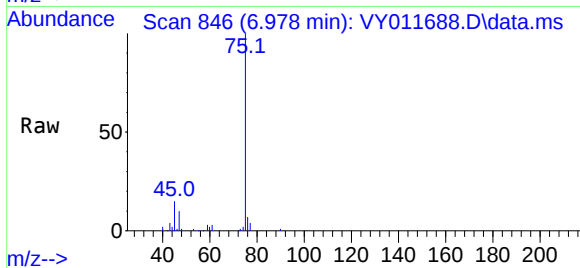
VY1205SBL01

Tgt Ion: 43 Resp: 1861

Ion Ratio Lower Upper

43 100

72 12.1 17.7 26.5#



#31

Cyclohexane

Concen: 1.374 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.000 min

Lab File: VY011688.D

Acq: 05 Dec 2022 11:33

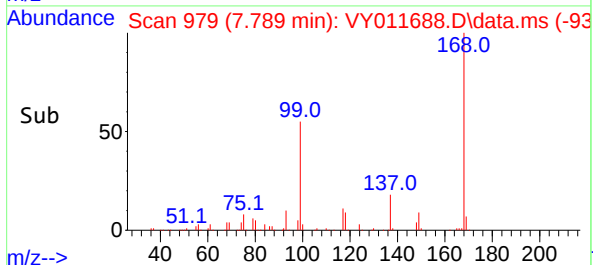
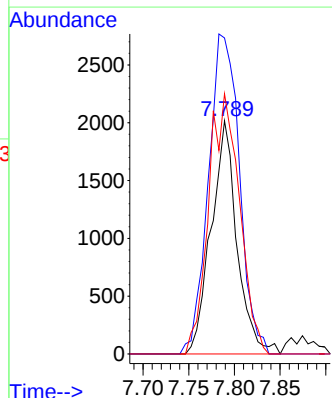
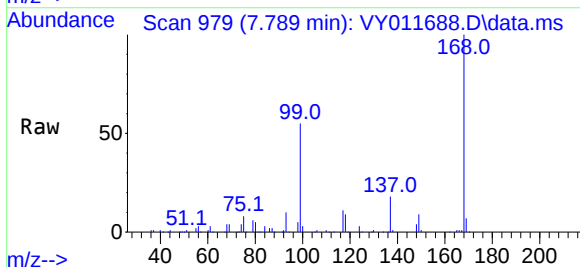
Tgt Ion: 56 Resp: 3970

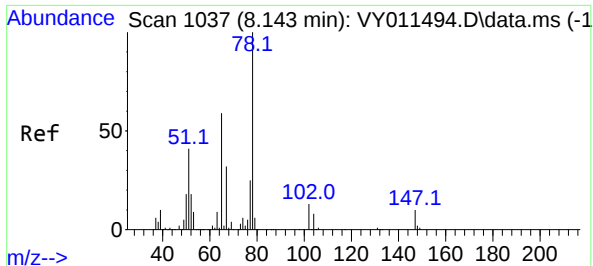
Ion Ratio Lower Upper

56 100

69 135.5 26.7 40.1#

84 111.6 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.034 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011688.D

Acq: 05 Dec 2022 11:33

Instrument :

MSVOA_Y

ClientSampleId :

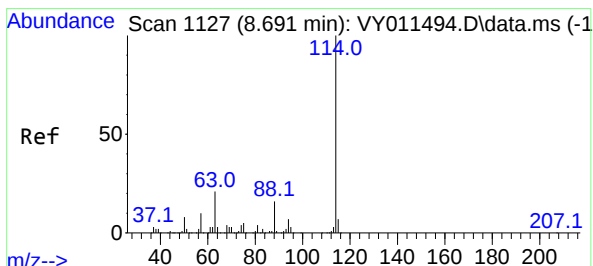
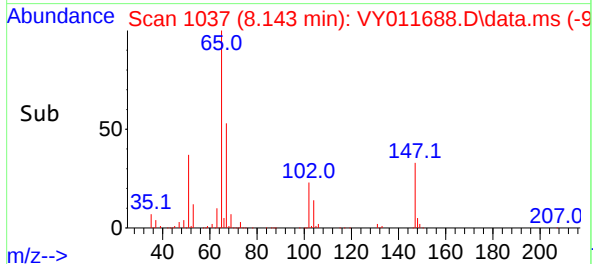
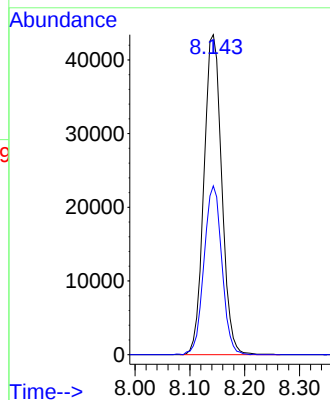
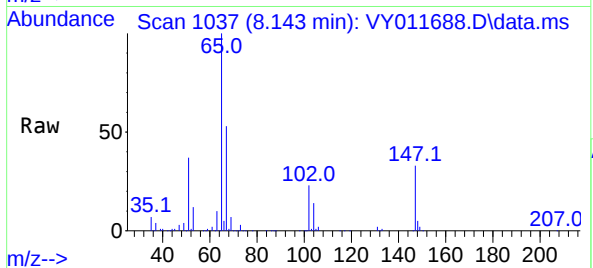
VY1205SBL01

Tgt Ion: 65 Resp: 97700

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: VY011688.D

Acq: 05 Dec 2022 11:33

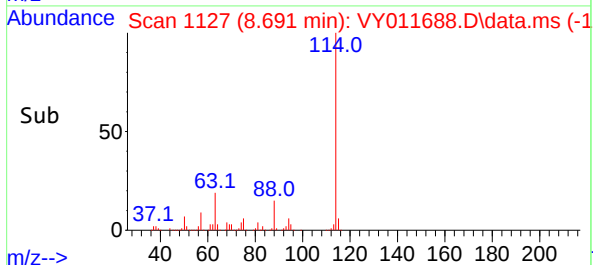
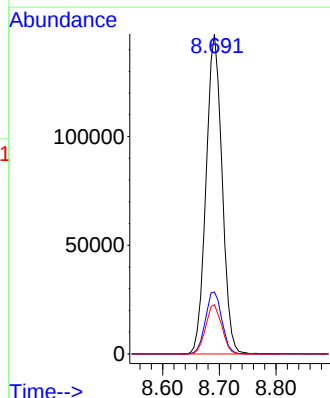
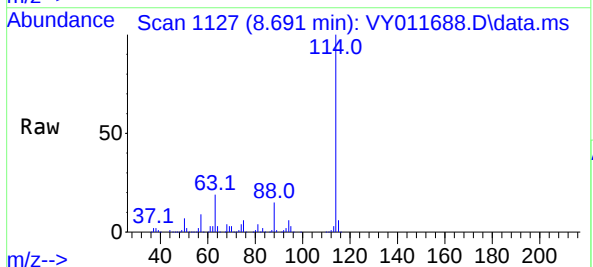
Tgt Ion: 114 Resp: 287246

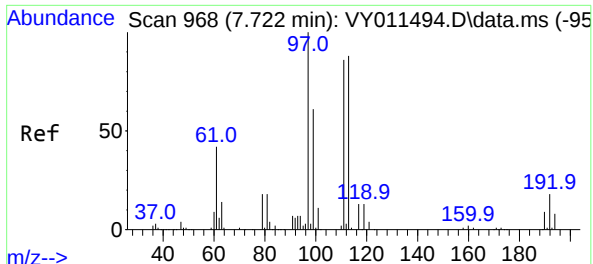
Ion Ratio Lower Upper

114 100

63 19.4 0.0 43.2

88 15.4 0.0 31.8

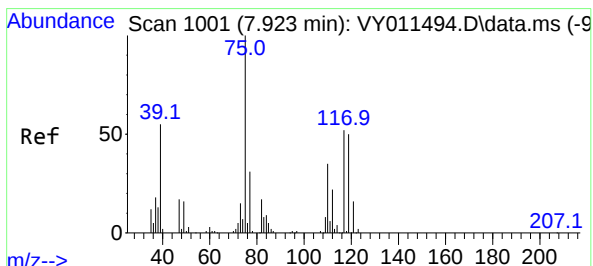
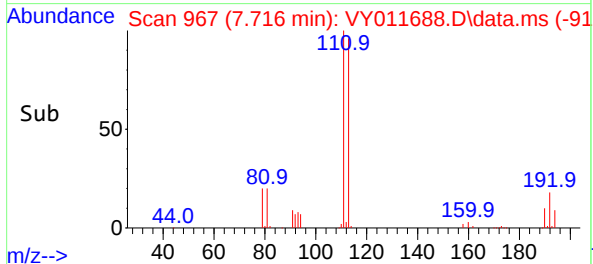
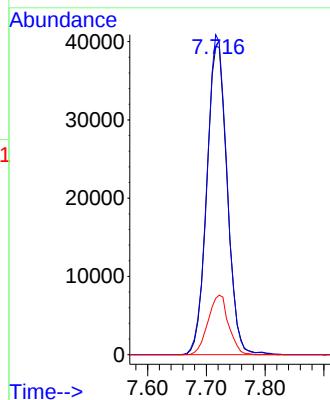
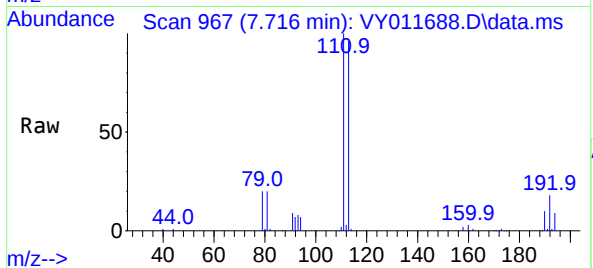




#35
Dibromofluoromethane
Concen: 53.922 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

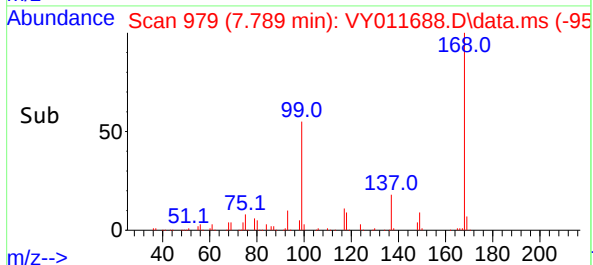
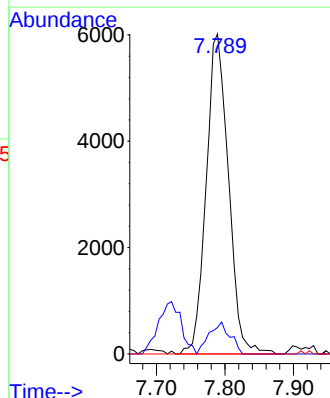
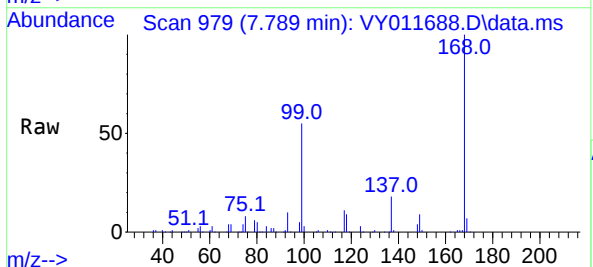
Instrument :
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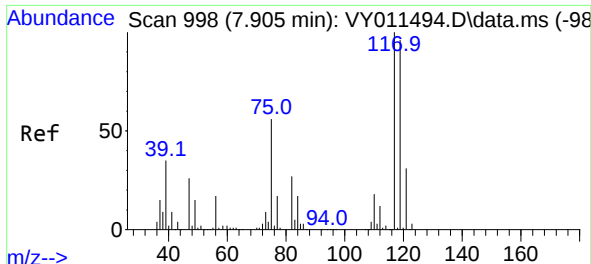
Tgt Ion:113 Resp: 95348
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 19.4 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.919 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

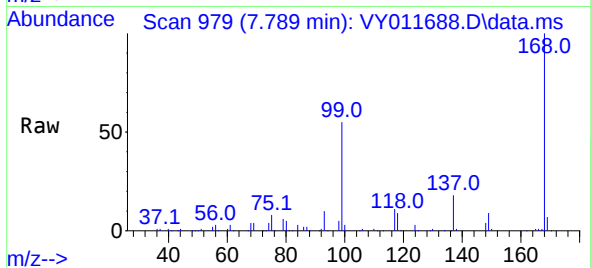
Tgt Ion: 75 Resp: 13596
Ion Ratio Lower Upper
75 100
110 9.3 17.1 51.2#
77 0.0 24.4 36.6#



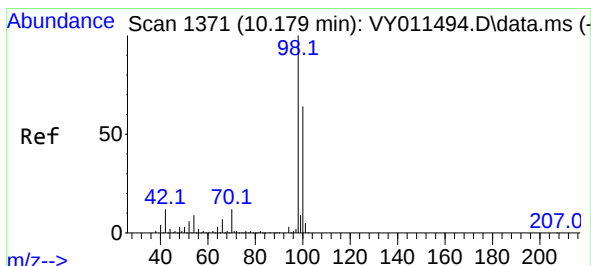
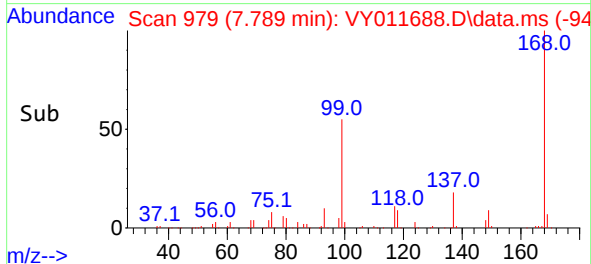
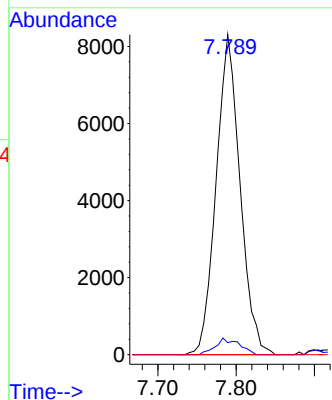


#38
Carbon Tetrachloride
Concen: 5.702 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

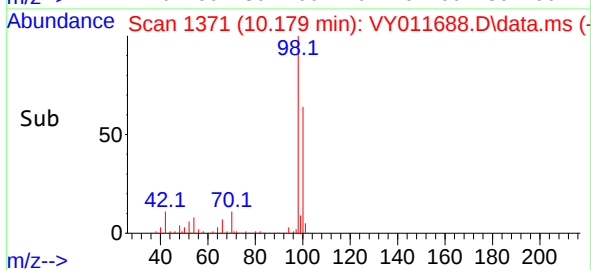
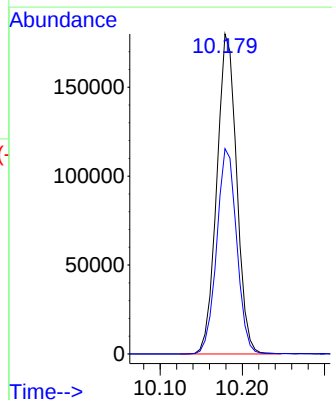
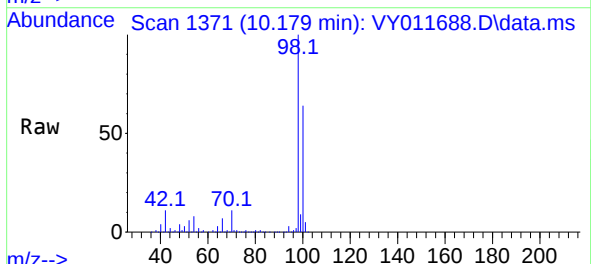


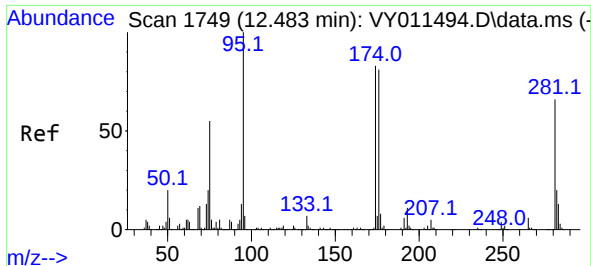
Tgt Ion:117 Resp: 17634
Ion Ratio Lower Upper
117 100
119 3.7 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 46.995 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 98 Resp: 301976
Ion Ratio Lower Upper
98 100
100 64.6 50.2 75.2

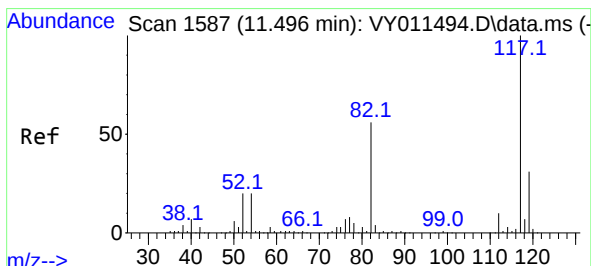
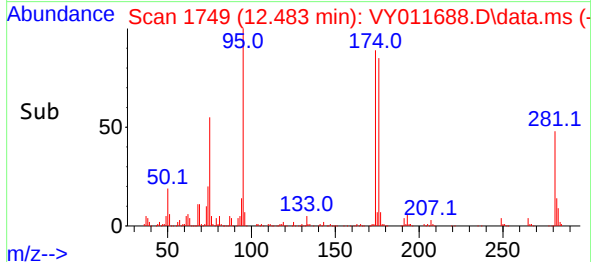
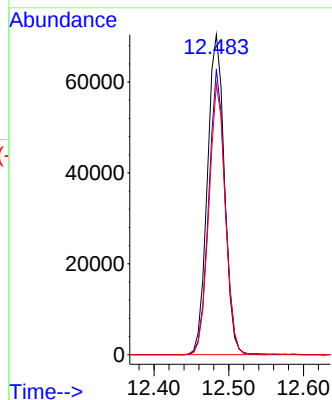
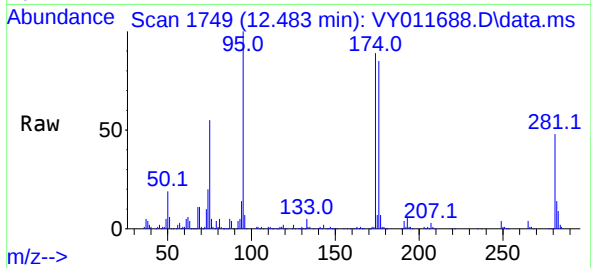




#62
4-Bromofluorobenzene
Concen: 46.825 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

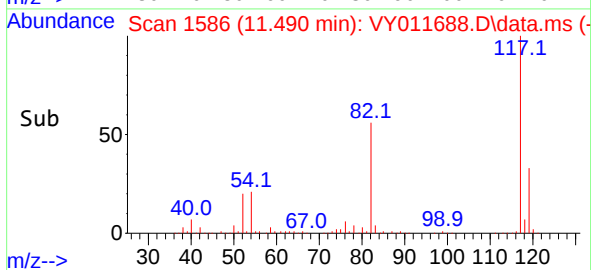
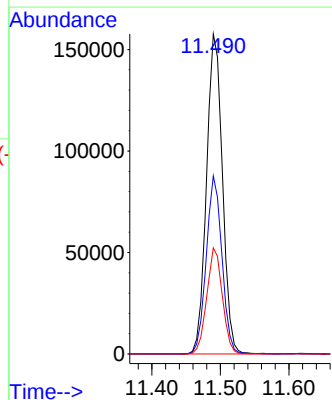
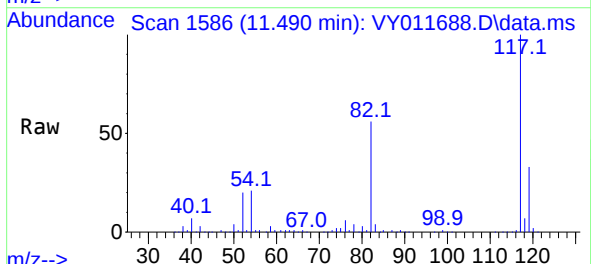
Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

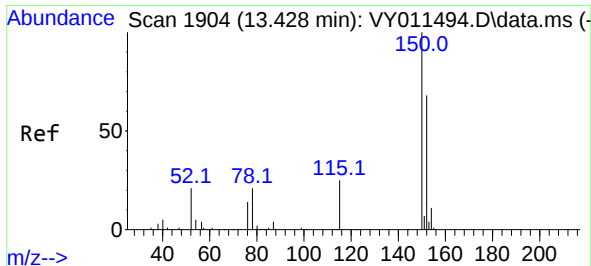
Tgt Ion: 95 Resp: 111245
Ion Ratio Lower Upper
95 100
174 86.0 0.0 177.0
176 81.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 117 Resp: 255665
Ion Ratio Lower Upper
117 100
82 55.6 43.0 64.4
119 33.2 25.4 38.0

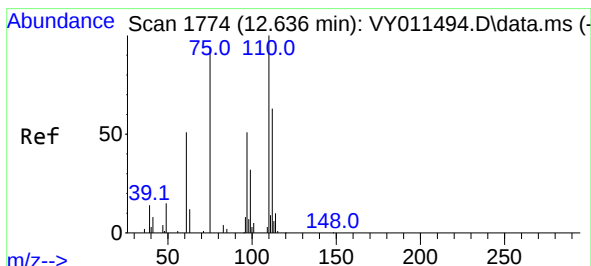
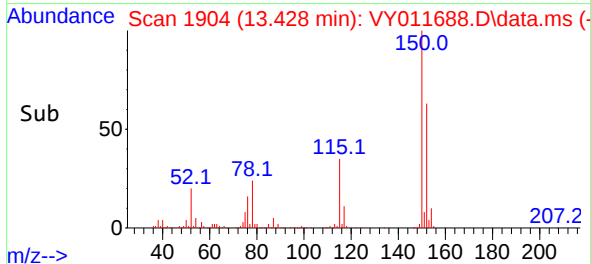
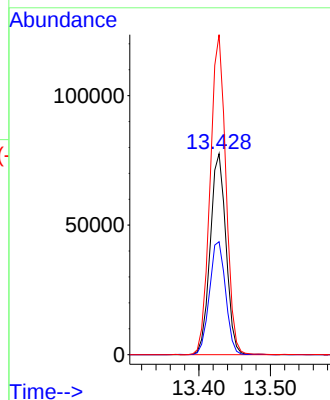
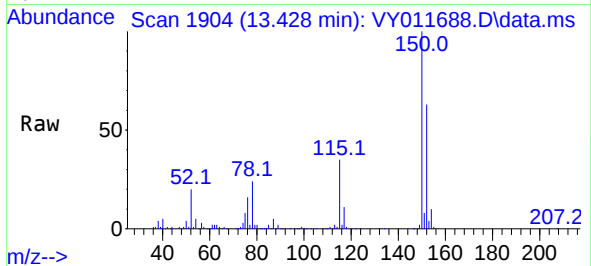




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

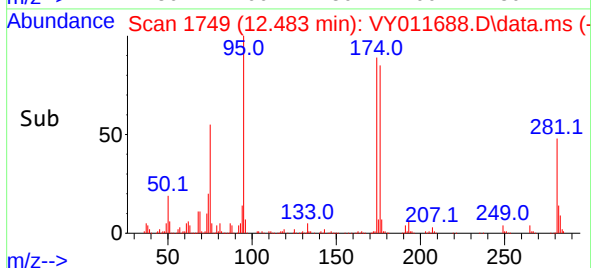
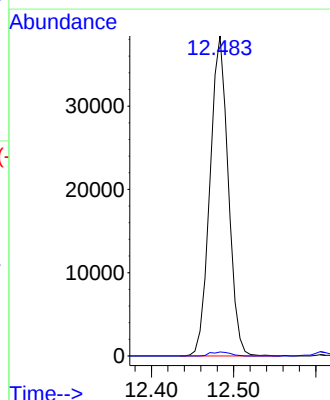
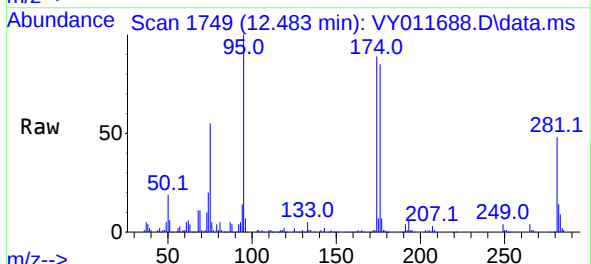
Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

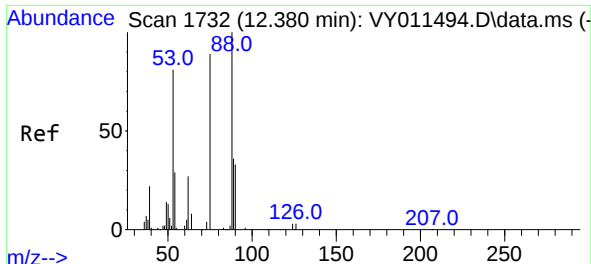
Tgt Ion:152 Resp: 118952
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 158.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 46.265 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion: 75 Resp: 59267
Ion Ratio Lower Upper
75 100
77 1.4 0.0 0.0#

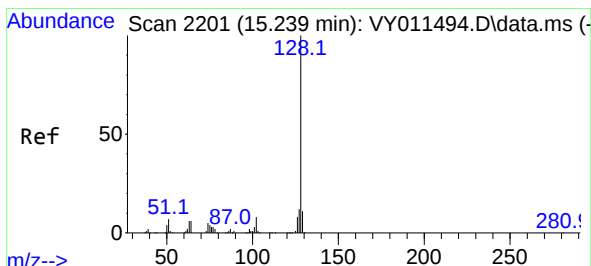
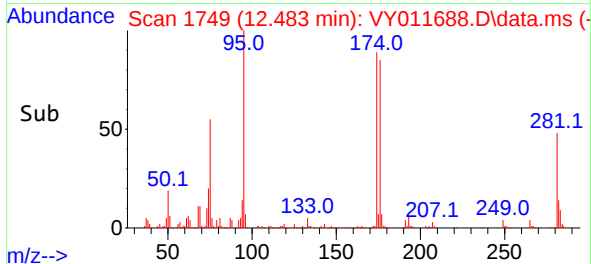
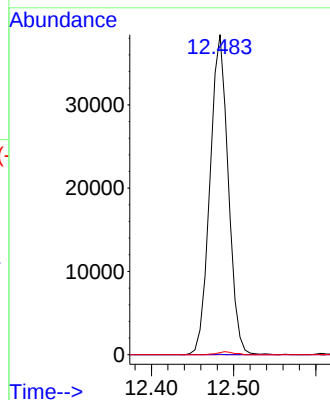
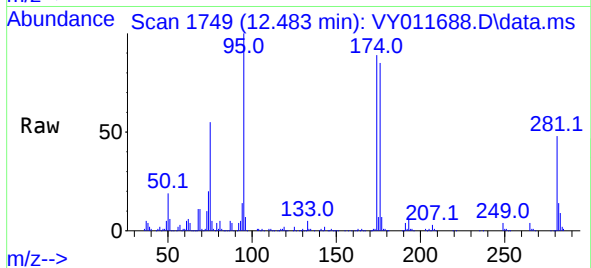




#81
trans-1,4-Dichloro-2-butene
Concen: 101.336 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Instrument :
MSVOA_Y
ClientSampleId :
VY1205SBL01

Tgt Ion: 75 Resp: 59267
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.8 37.0 55.4#



#95
Naphthalene
Concen: 4.298 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011688.D
Acq: 05 Dec 2022 11:33

Tgt Ion:128 Resp: 1274
Ion Ratio Lower Upper
128 100
127 7.6 11.0 16.4#
129 9.8 8.4 12.6

