

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011583.D
 Acq On : 23 Nov 2022 18:18
 Operator : KP/MD
 Sample : N5780-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:39:22 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)

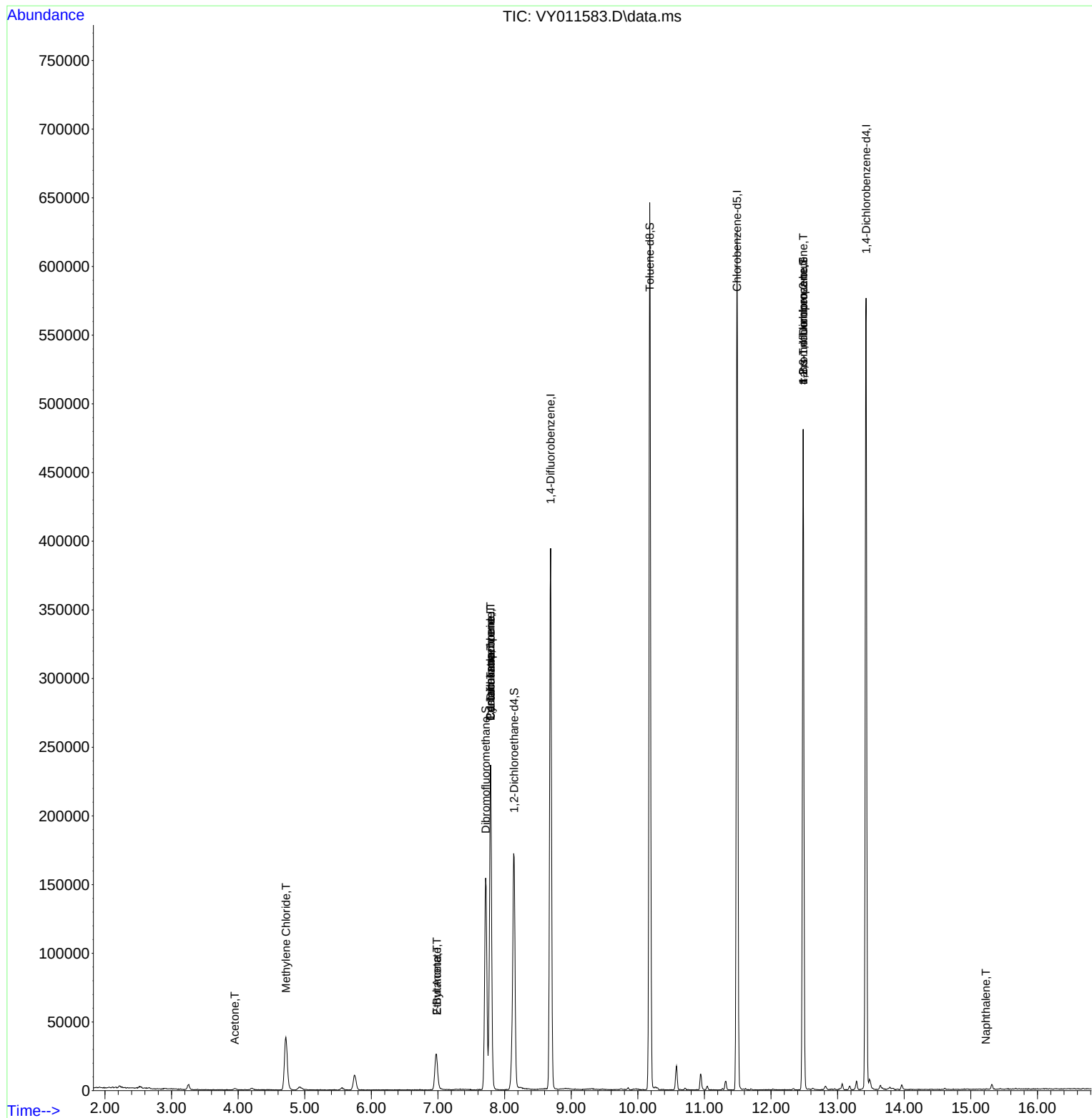
Internal Standards						
1) Pentafluorobenzene	7.789	168	173790	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	326992	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	320288	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	145482	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	124944	70.804	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 141.600%	
35) Dibromofluoromethane	7.716	113	109044	54.171	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.340%	
50) Toluene-d8	10.179	98	405805	55.477	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.960%	
62) 4-Bromofluorobenzene	12.483	95	133161	49.237	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 98.480%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.906	85	365	Below Cal		93
3) Chloromethane	2.119	50	227	Below Cal	#	62
5) Bromomethane	2.662	94	79	Below Cal		88
11) Tert butyl alcohol	4.911	59	1108	Below Cal	#	77
16) Acetone	3.948	43	1771	3.090	ug/l	97
18) Methyl Acetate	4.491	43	165	Below Cal	#	56
20) Methylene Chloride	4.716	84	28704	3.278	ug/l	89
25) 2-Butanone	6.984	43	1977	2.624	ug/l #	82
31) Cyclohexane	7.789	56	4036	1.380	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	14178	4.506	ug/l #	51
37) Ethyl Acetate	6.984	43	1977	1.103	ug/l #	8
38) Carbon Tetrachloride	7.789	117	18195	5.169	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	72098	46.018	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72098	100.794	ug/l #	7
95) Naphthalene	15.227	128	128	4.043	ug/l #	69

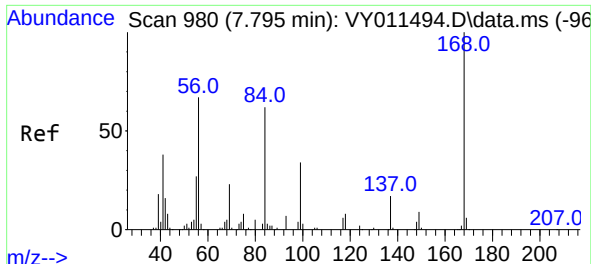
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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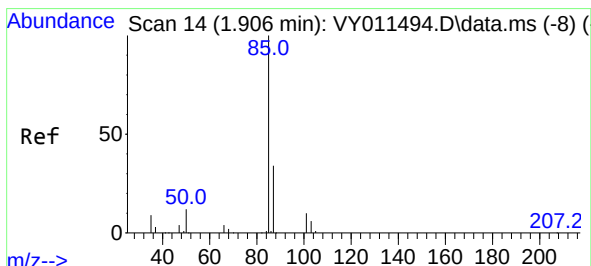
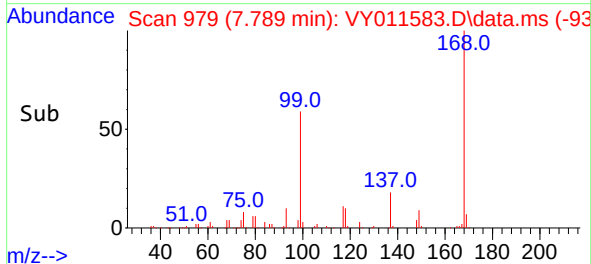
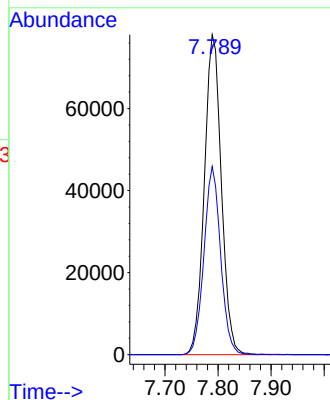
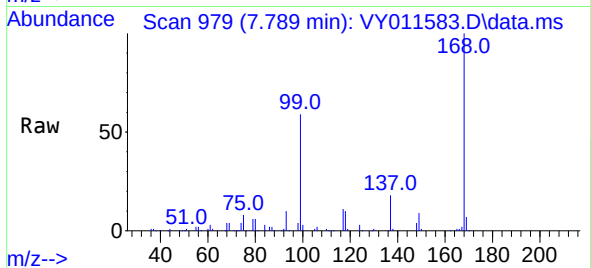




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

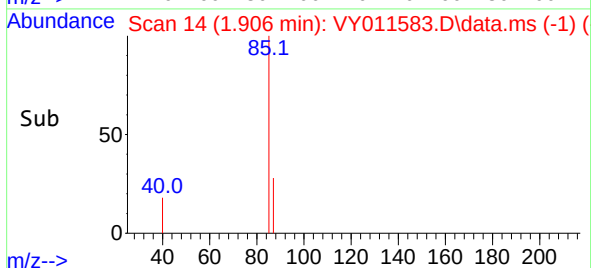
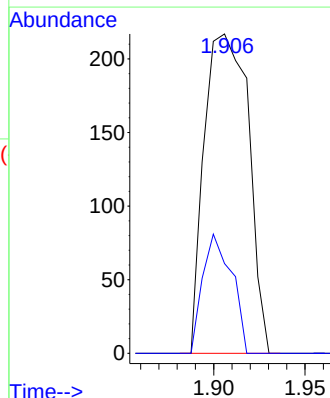
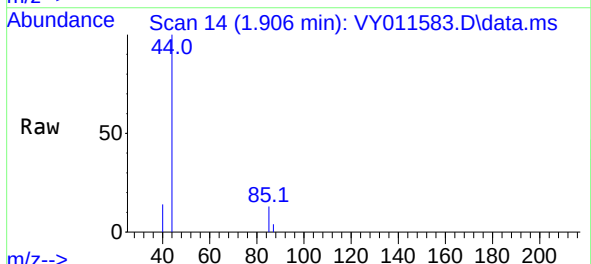
Instrument :
MSVOA_Y
ClientSampleId :

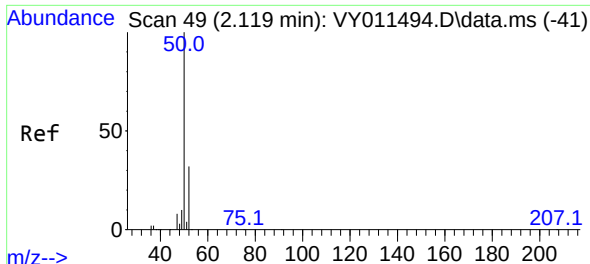
Tgt Ion:168 Resp: 173790
Ion Ratio Lower Upper
168 100
99 58.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

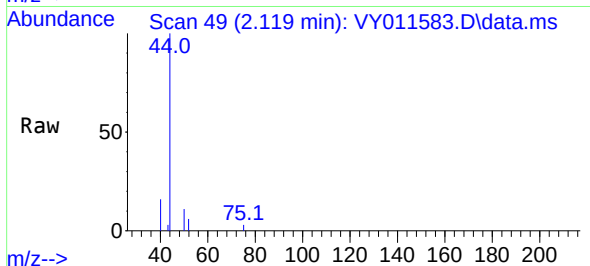
Tgt Ion: 85 Resp: 365
Ion Ratio Lower Upper
85 100
87 28.1 16.1 48.2



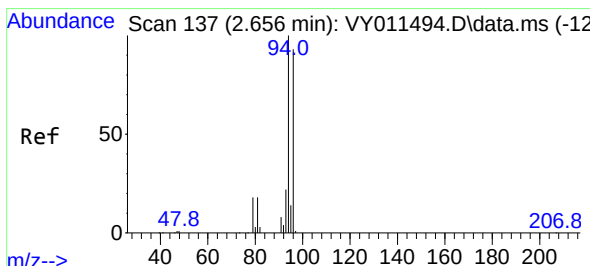
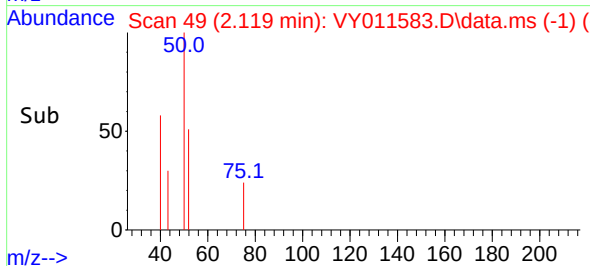
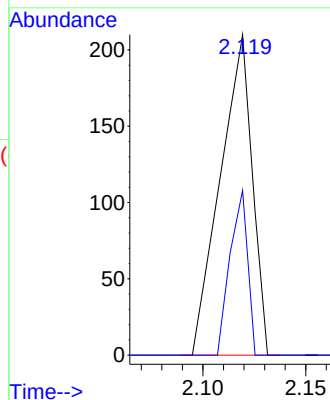


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Instrument :
MSVOA_Y
ClientSampleId :

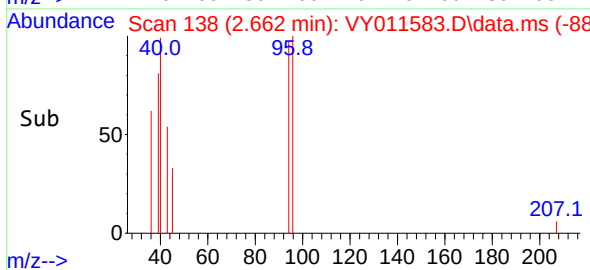
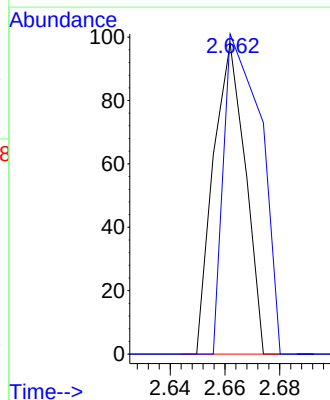
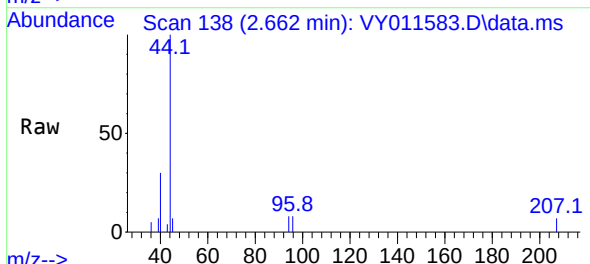


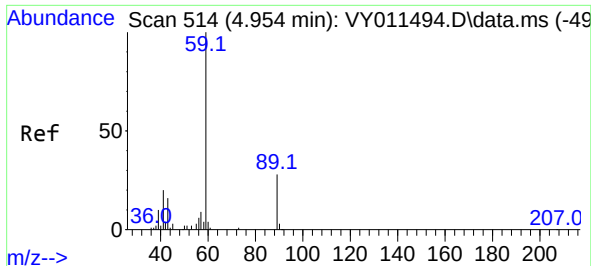
Tgt Ion: 50 Resp: 227
Ion Ratio Lower Upper
50 100
52 51.4 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.662 min Scan# 138
Delta R.T. 0.006 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

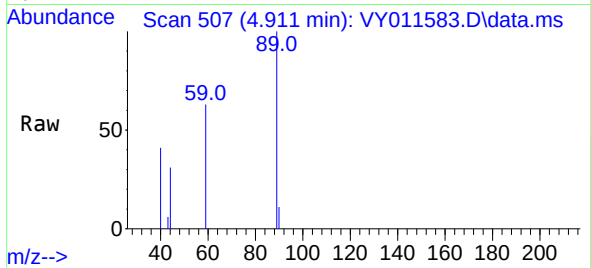
Tgt Ion: 94 Resp: 79
Ion Ratio Lower Upper
94 100
96 103.1 73.5 110.3



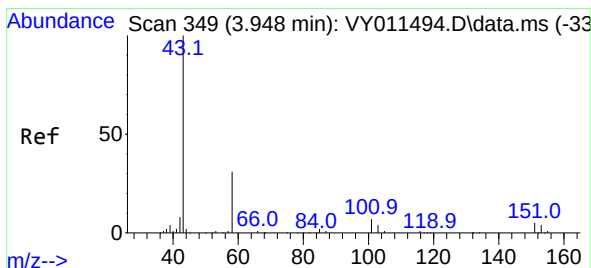
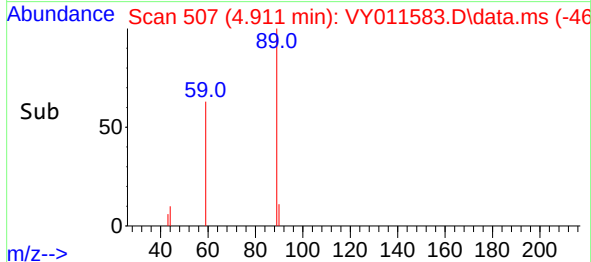
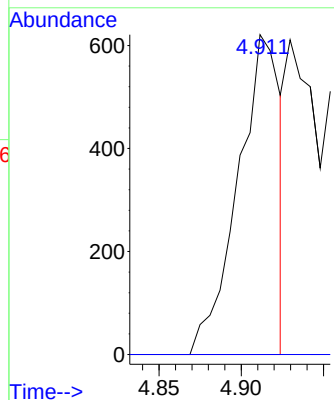


#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.911 min Scan# 507
Delta R.T. -0.043 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Instrument :
MSVOA_Y
ClientSampleId :

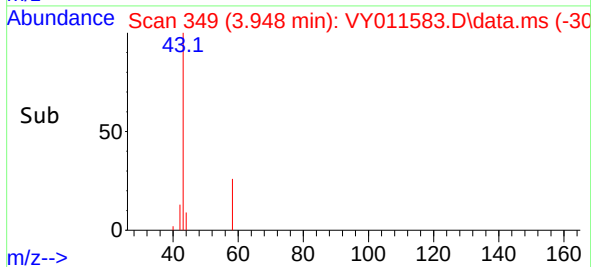
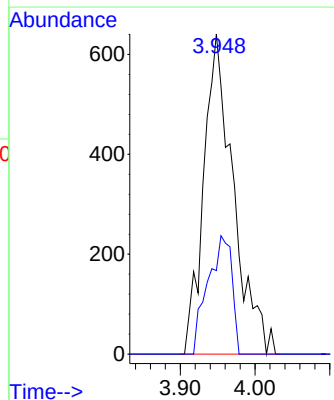
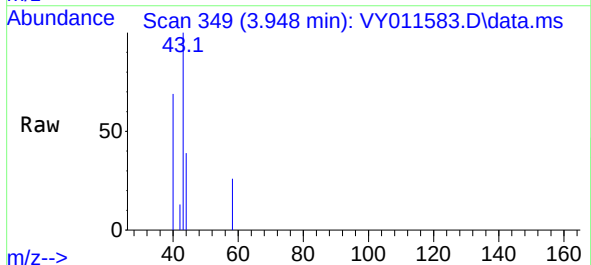


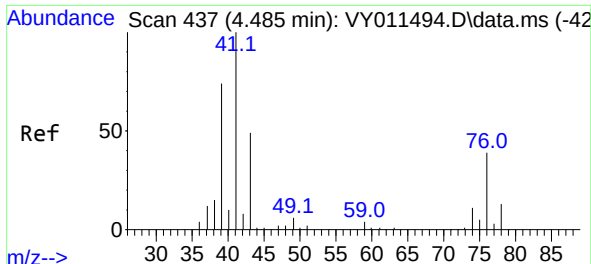
Tgt Ion: 59 Resp: 1108
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 3.090 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Tgt Ion: 43 Resp: 1771
Ion Ratio Lower Upper
43 100
58 26.1 22.0 33.0

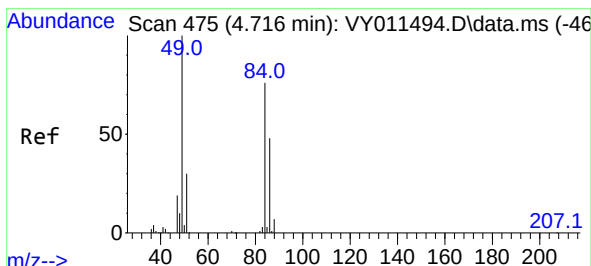
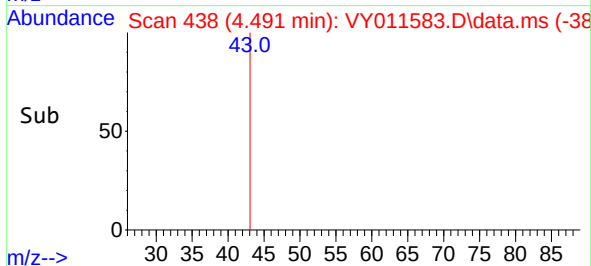
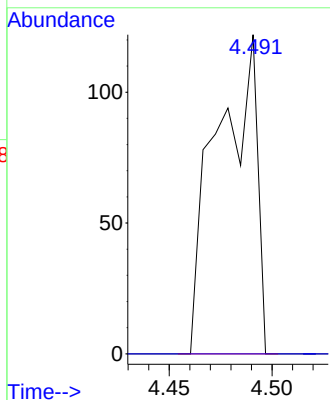
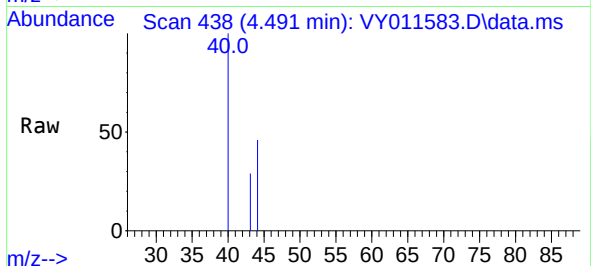




#18
Methyl Acetate
Concen: Below Cal
RT: 4.491 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

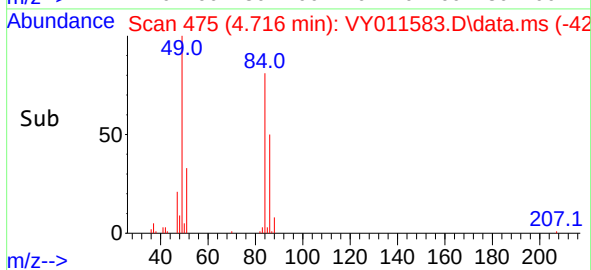
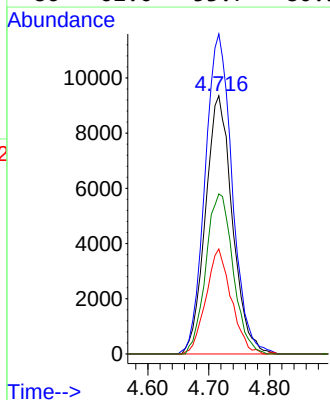
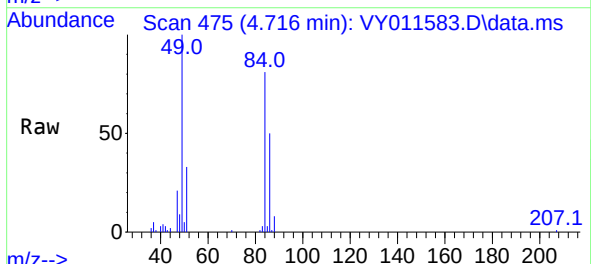
Instrument :
MSVOA_Y
ClientSampleId :

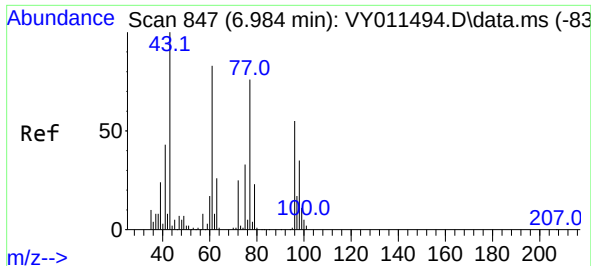
Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 3.278 ug/l
RT: 4.716 min Scan# 475
Delta R.T. 0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Tgt Ion: 84 Resp: 28704
Ion Ratio Lower Upper
84 100
49 123.9 114.4 171.6
51 40.7 35.3 52.9
86 62.0 53.7 80.5





#25

2-Butanone

Concen: 2.624 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.000 min

Lab File: VY011583.D

Acq: 23 Nov 2022 18:18

Instrument :

MSVOA_Y

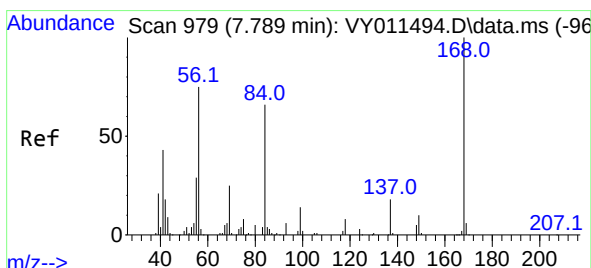
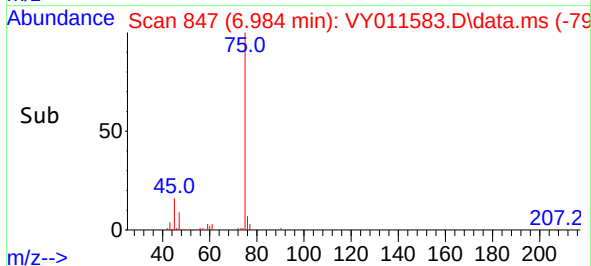
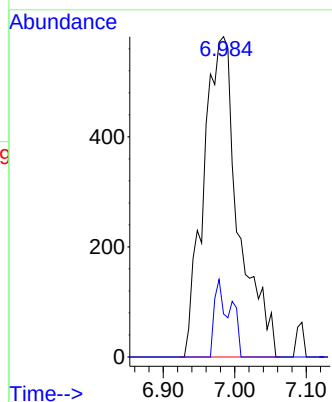
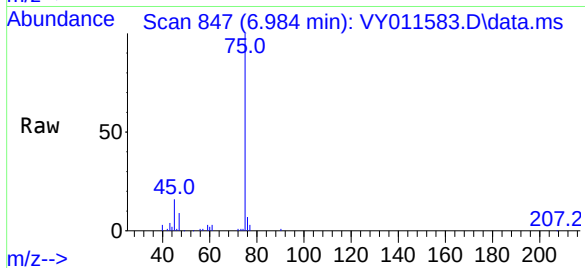
ClientSampleId :

Tgt Ion: 43 Resp: 1977

Ion Ratio Lower Upper

43 100

72 13.4 17.7 26.5#



#31

Cyclohexane

Concen: 1.380 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011583.D

Acq: 23 Nov 2022 18:18

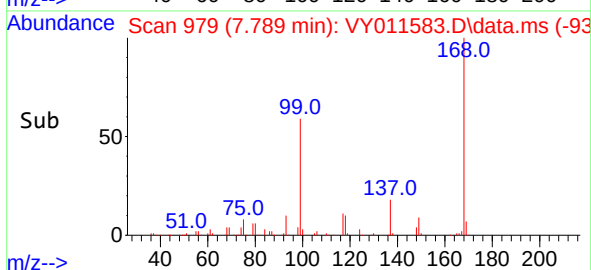
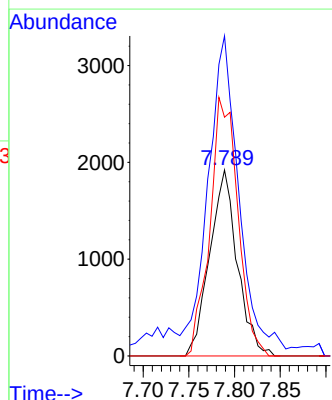
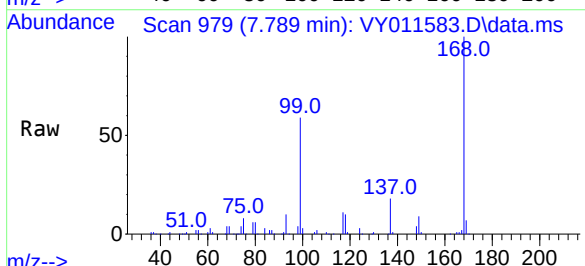
Tgt Ion: 56 Resp: 4036

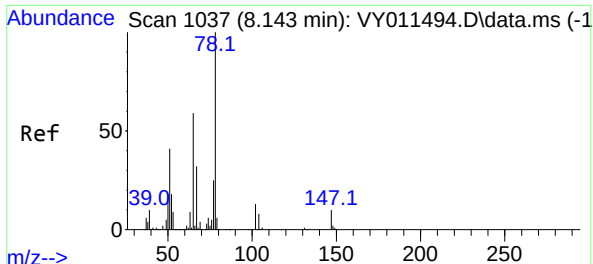
Ion Ratio Lower Upper

56 100

69 163.9 26.7 40.1#

84 128.4 67.2 100.8#

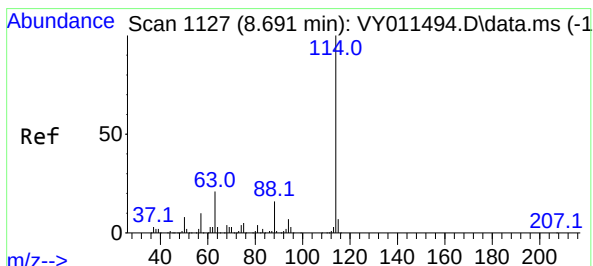
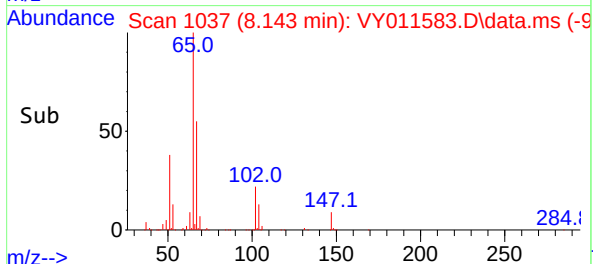
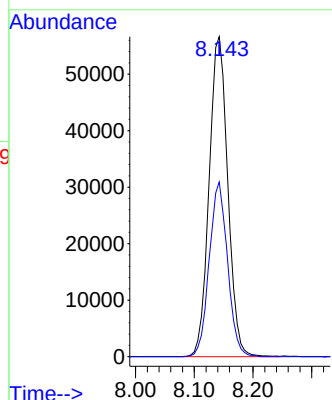
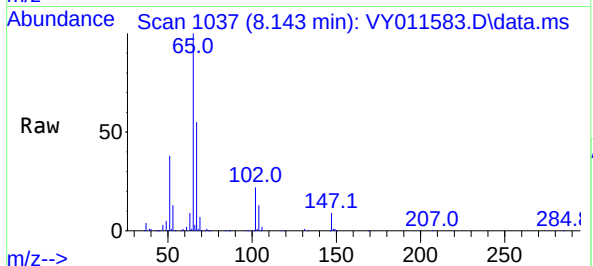




#33
1,2-Dichloroethane-d4
Concen: 70.804 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

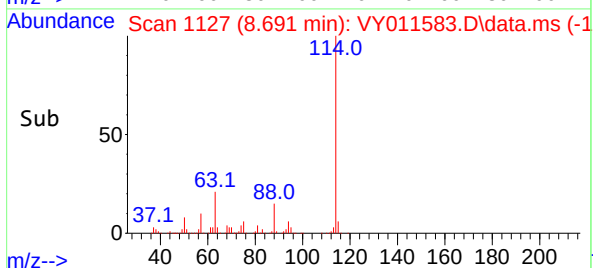
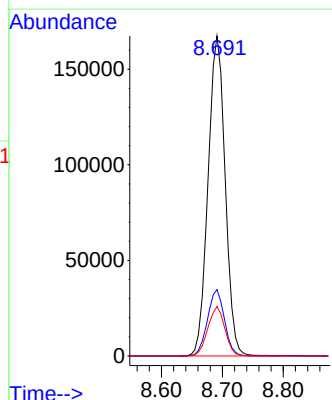
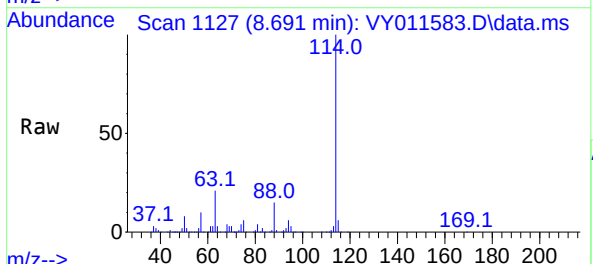
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ClientSampleId :

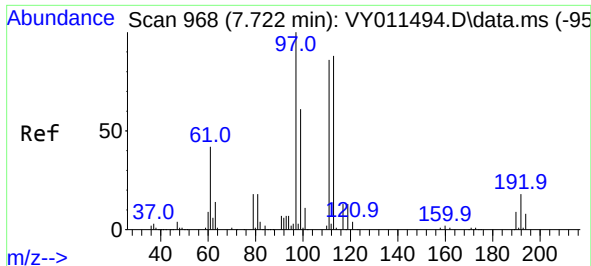
Tgt Ion: 65 Resp: 124944
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Tgt Ion: 114 Resp: 326992
Ion Ratio Lower Upper
114 100
63 20.7 0.0 43.2
88 15.4 0.0 31.8

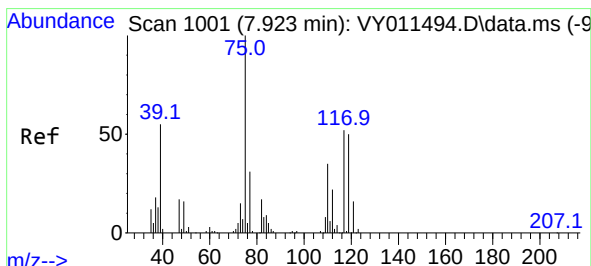
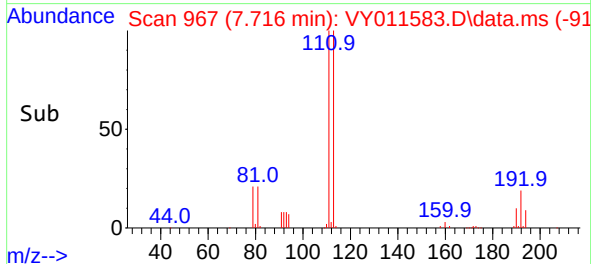
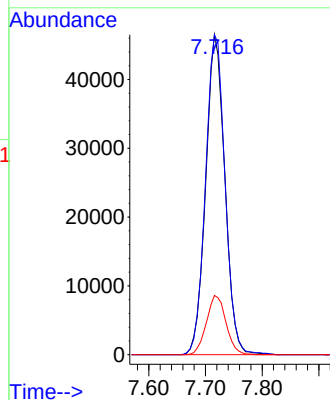
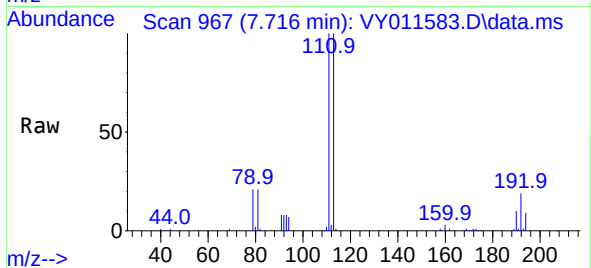




#35
Dibromofluoromethane
Concen: 54.171 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

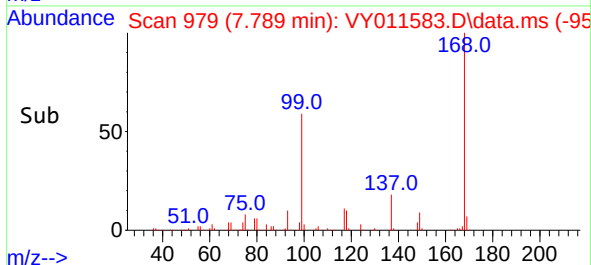
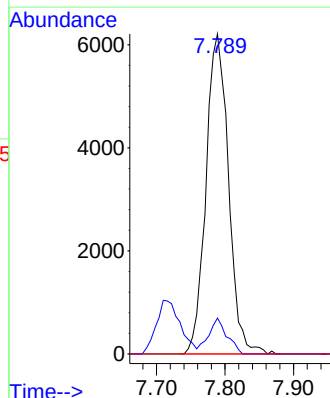
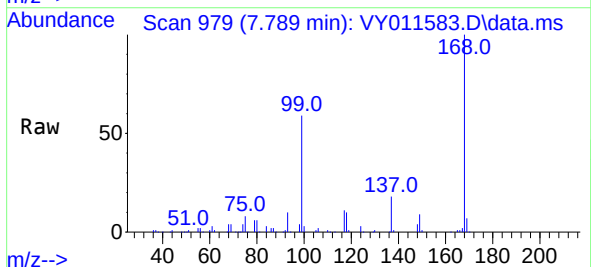
Instrument :
MSVOA_Y
ClientSampleId :

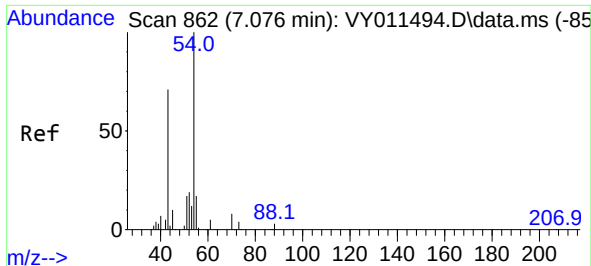
Tgt Ion:113 Resp: 109044
Ion Ratio Lower Upper
113 100
111 102.1 82.6 124.0
192 18.9 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.506 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Tgt Ion: 75 Resp: 14178
Ion Ratio Lower Upper
75 100
110 9.2 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.103 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

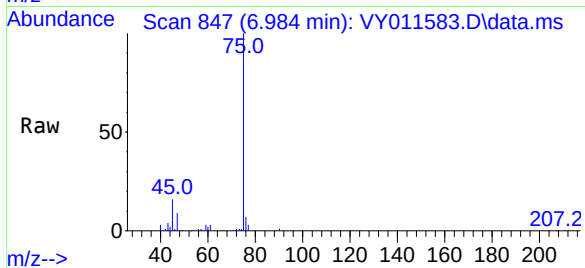
Lab File: VY011583.D

Acq: 23 Nov 2022 18:18

Instrument :

MSVOA_Y

ClientSampleId :



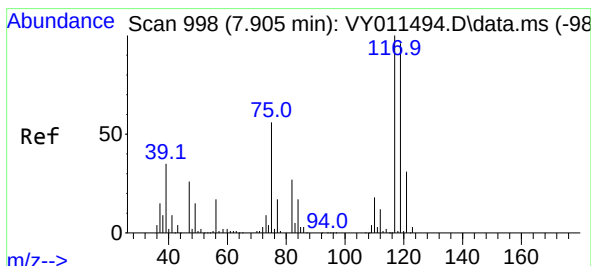
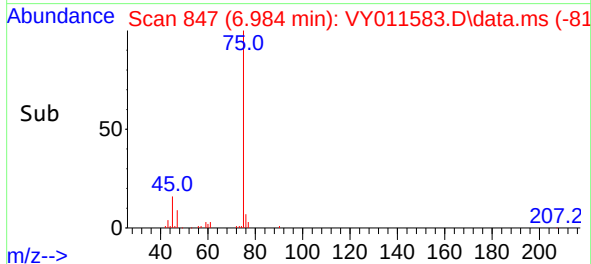
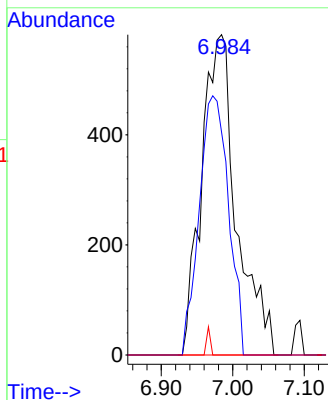
Tgt Ion: 43 Resp: 1977

Ion Ratio Lower Upper

43 100

61 67.8 9.7 14.5#

70 1.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 5.169 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011583.D

Acq: 23 Nov 2022 18:18

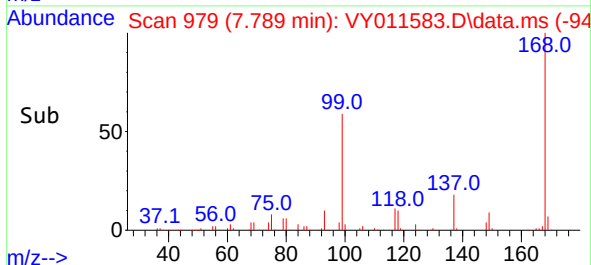
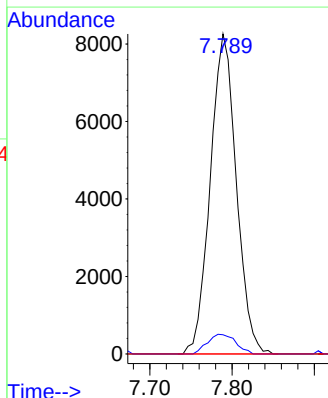
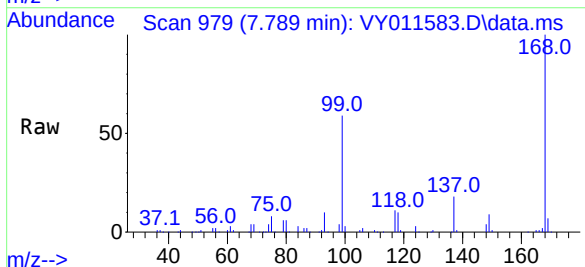
Tgt Ion: 117 Resp: 18195

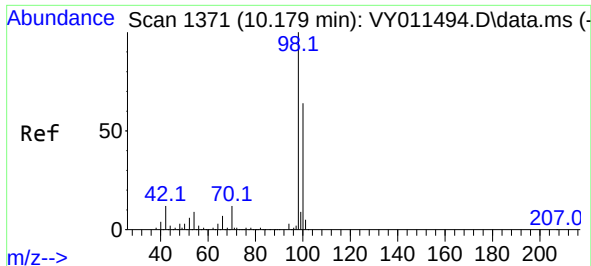
Ion Ratio Lower Upper

117 100

119 6.0 77.9 116.9#

121 0.0 24.8 37.2#

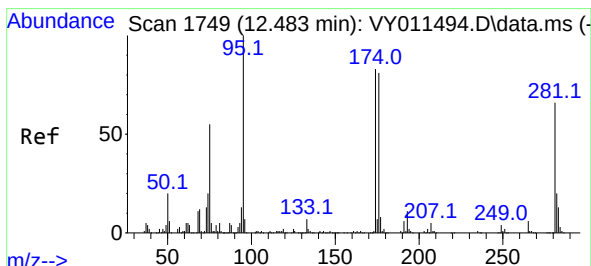
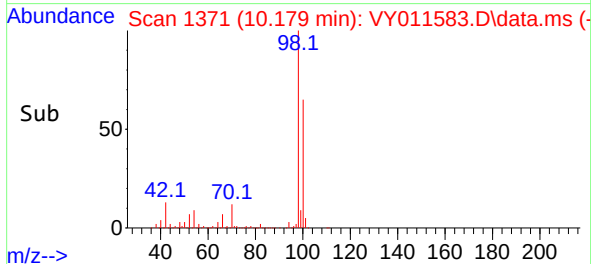
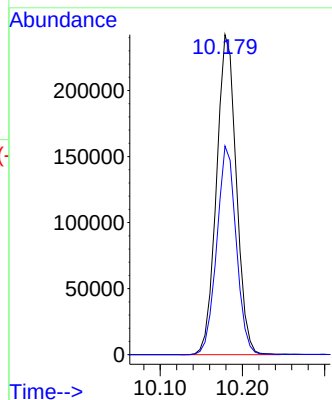
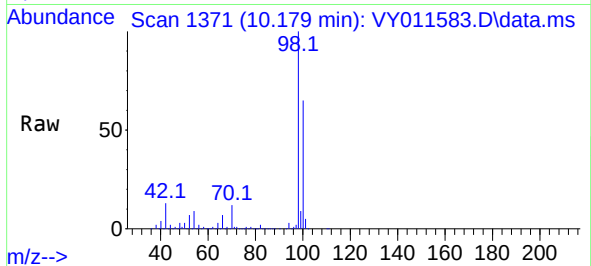




#50
Toluene-d8
Concen: 55.477 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

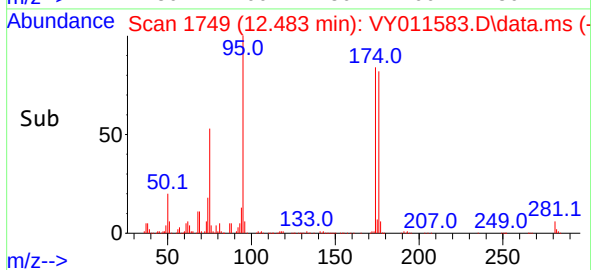
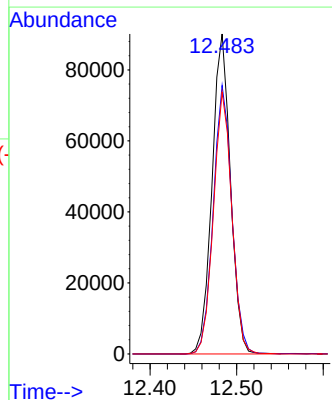
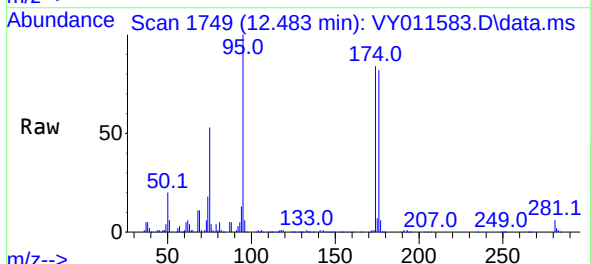
Instrument :
MSVOA_Y
ClientSampleId :

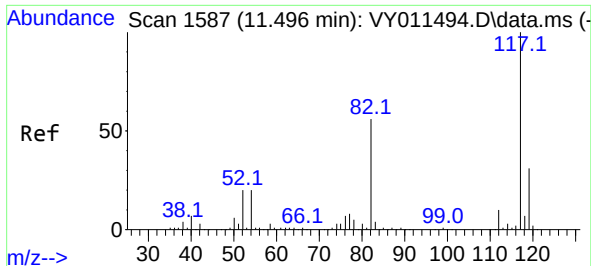
Tgt Ion: 98 Resp: 405805
Ion Ratio Lower Upper
98 100
100 64.0 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 49.237 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Tgt Ion: 95 Resp: 133161
Ion Ratio Lower Upper
95 100
174 84.6 0.0 177.0
176 81.8 0.0 175.8

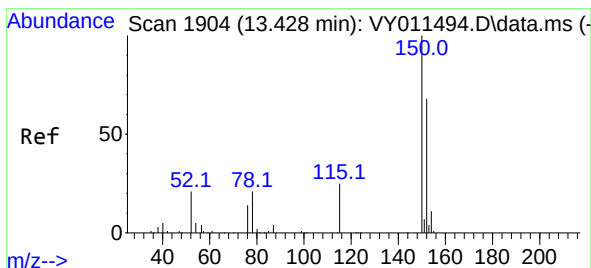
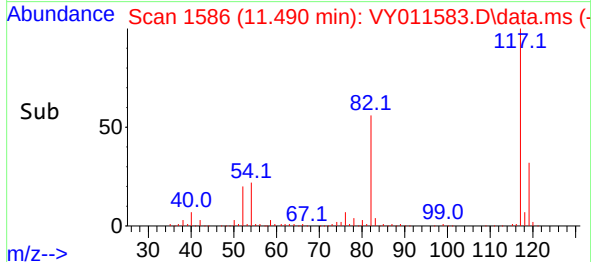
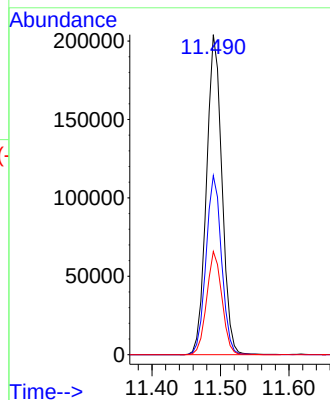
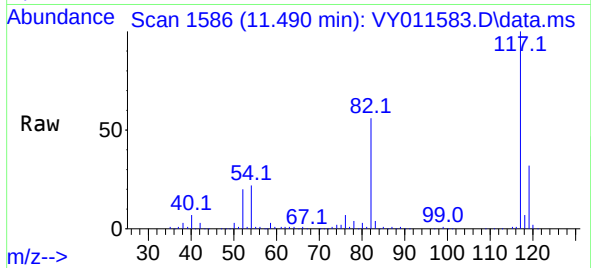




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.006 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

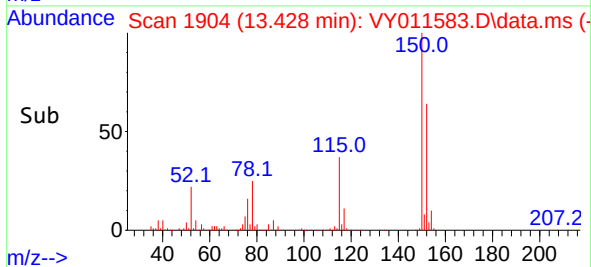
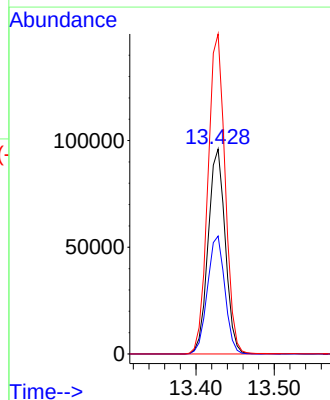
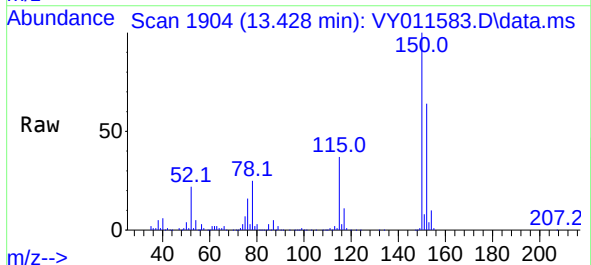
Instrument :
MSVOA_Y
ClientSampleId :

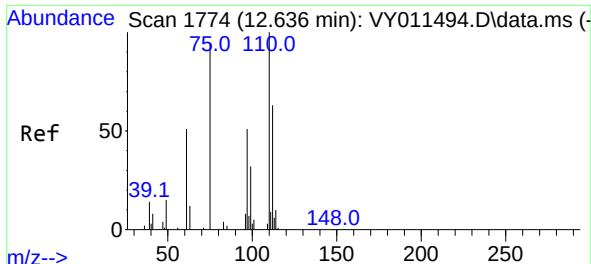
Tgt Ion:117 Resp: 320288
Ion Ratio Lower Upper
117 100
82 55.9 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Tgt Ion:152 Resp: 145482
Ion Ratio Lower Upper
152 100
115 58.5 28.2 84.7
150 156.8 0.0 347.6

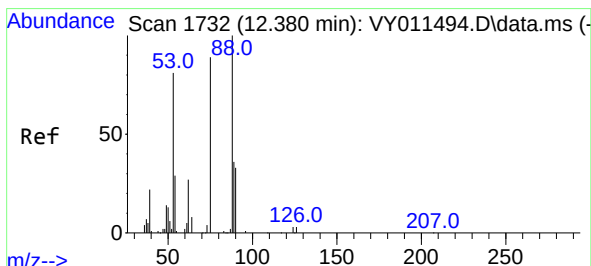
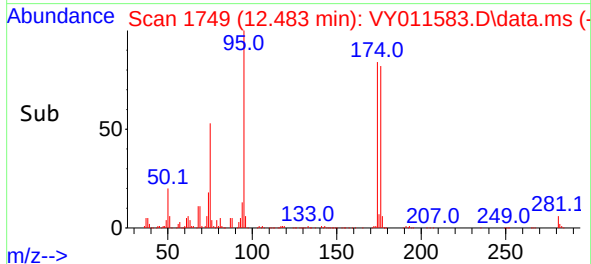
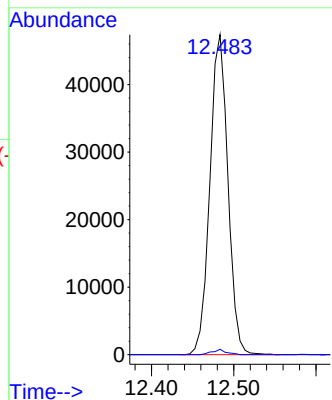
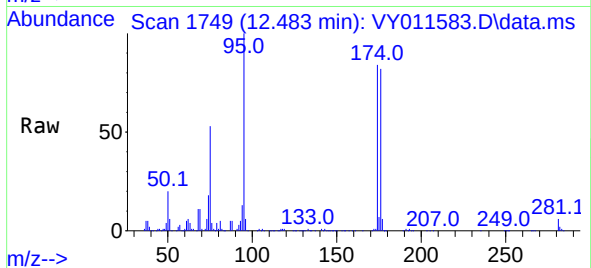




#76
1,2,3-Trichloropropane
Concen: 46.018 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

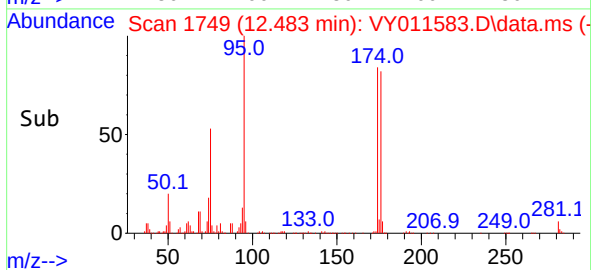
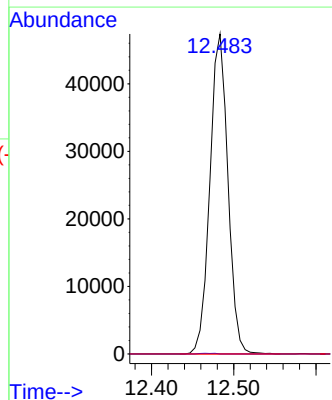
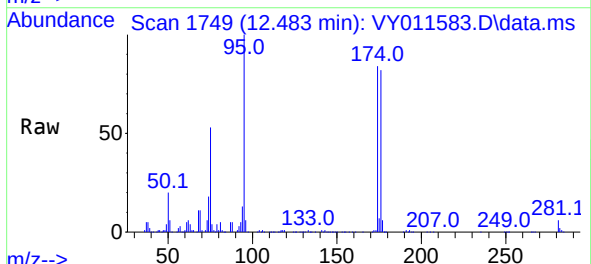
Instrument :
MSVOA_Y
ClientSampleId :

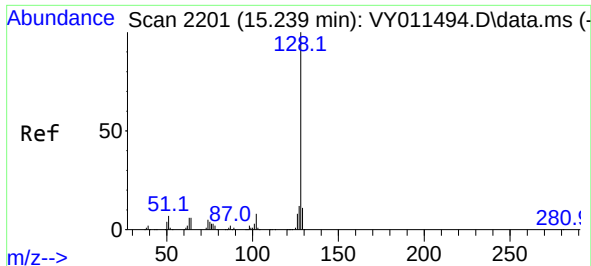
Tgt Ion: 75 Resp: 72098
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 100.794 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

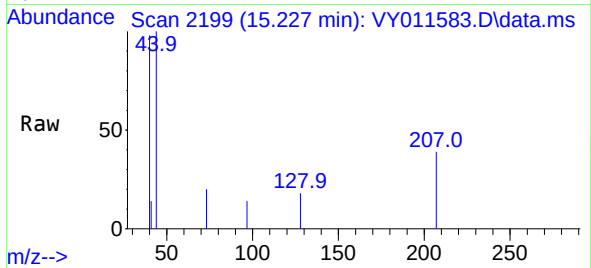
Tgt Ion: 75 Resp: 72098
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.043 ug/l
RT: 15.227 min Scan# 21
Delta R.T. -0.012 min
Lab File: VY011583.D
Acq: 23 Nov 2022 18:18

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	128
Ion	Ratio	Lower	Upper
128	100		
127	0.0	11.0	16.4#
129	0.0	8.4	12.6#

