

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011497.D
 Acq On : 18 Nov 2022 12:36
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 22:40:10 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)

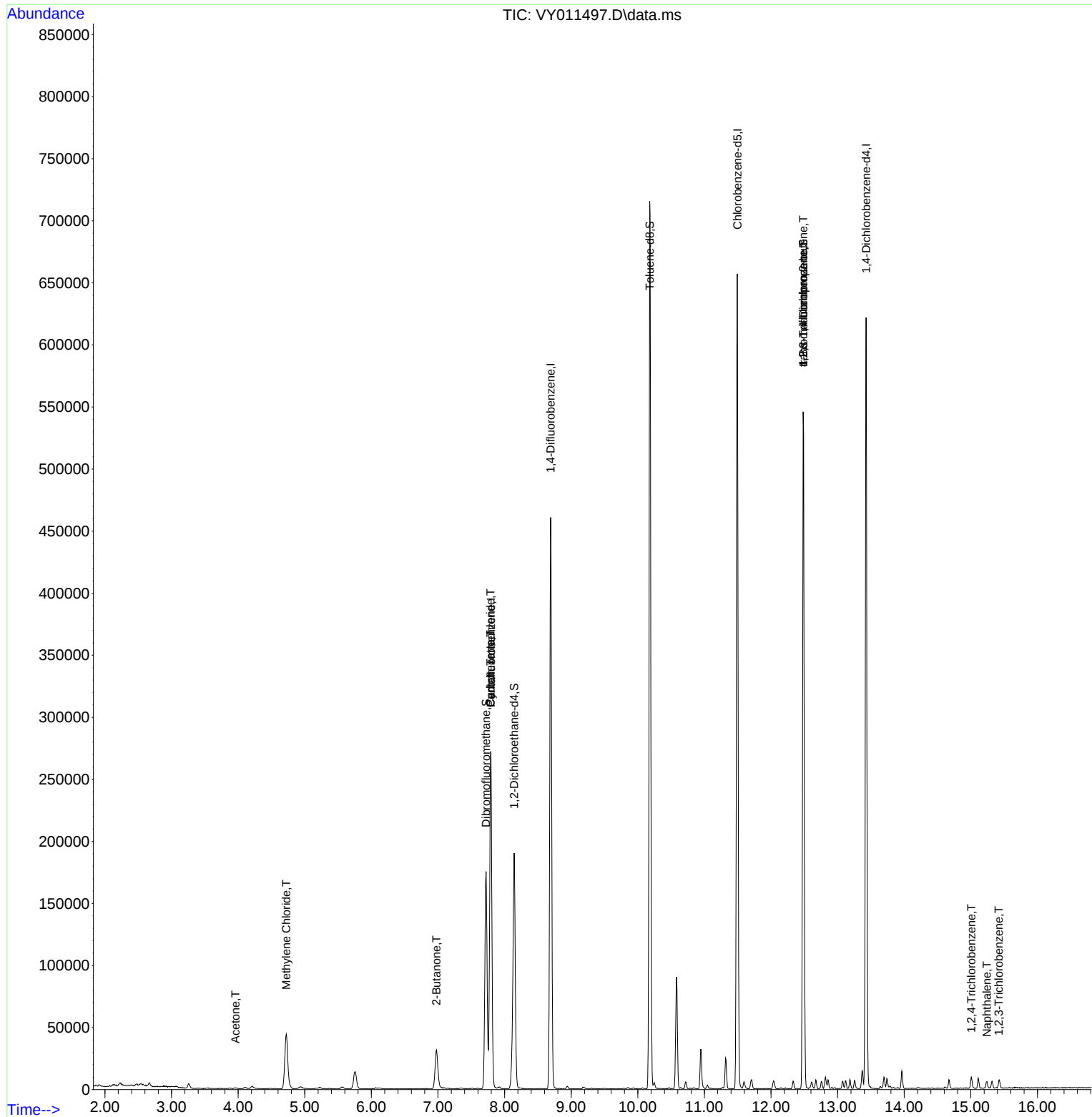
Internal Standards						
1) Pentafluorobenzene	7.795	168	210732	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	384239	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	357437	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	155552	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	135127	63.150	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.300%	
35) Dibromofluoromethane	7.722	113	122711	51.879	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.760%	
50) Toluene-d8	10.179	98	463813	53.960	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 107.920%	
62) 4-Bromofluorobenzene	12.483	95	148257	46.651	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.300%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.906	85	770	Below Cal		73
3) Chloromethane	2.119	50	675	Below Cal		100
5) Bromomethane	2.668	94	1257	Below Cal	#	72
11) Tert butyl alcohol	4.942	59	2226	Below Cal	#	77
16) Acetone	3.960	43	1344	1.934	ug/l	96
18) Methyl Acetate	4.472	43	255	Below Cal	#	56
20) Methylene Chloride	4.722	84	31774	1.792	ug/l	92
25) 2-Butanone	6.978	43	2160	2.365	ug/l #	81
31) Cyclohexane	7.789	56	5190	1.463	ug/l #	14
38) Carbon Tetrachloride	7.789	117	20929	5.059	ug/l #	17
76) 1,2,3-Trichloropropane	12.483	75	80173	47.859	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	80173	104.827	ug/l #	7
93) 1,2,4-Trichlorobenzene	15.007	180	2886	1.098	ug/l	98
95) Naphthalene	15.239	128	4842	4.828	ug/l	99
96) 1,2,3-Trichlorobenzene	15.422	180	2519	1.118	ug/l	95

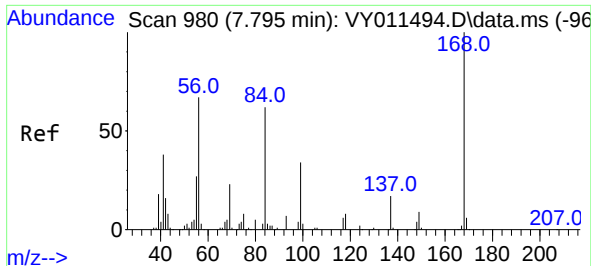
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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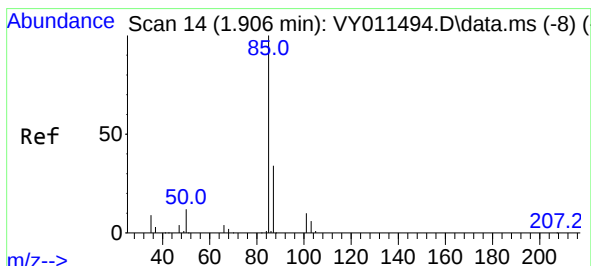
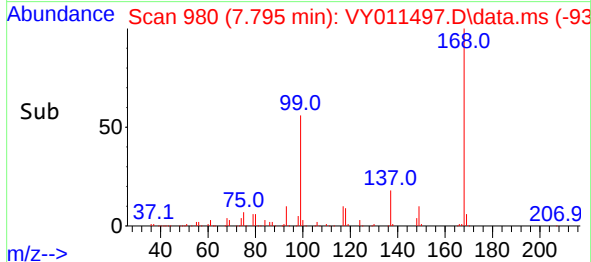
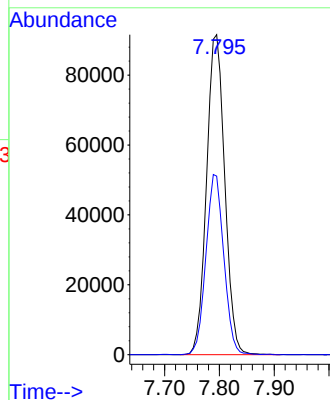
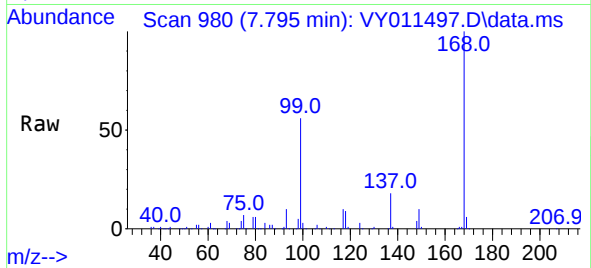




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

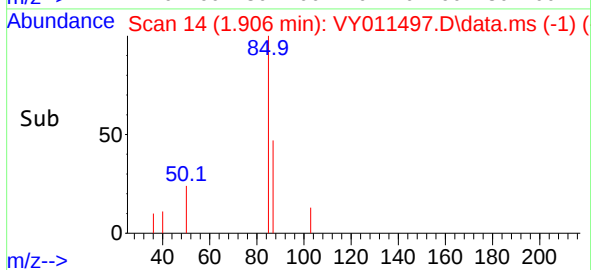
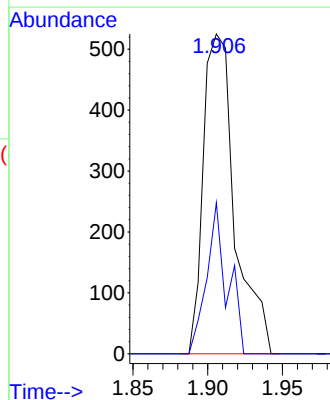
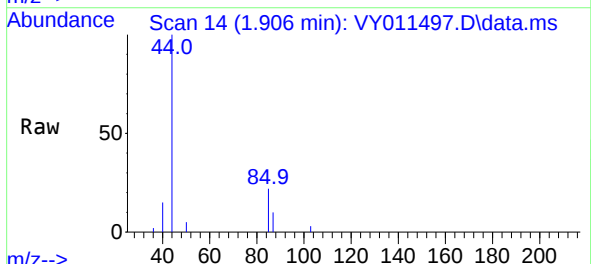
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 210732
Ion Ratio Lower Upper
168 100
99 55.8 46.9 70.3

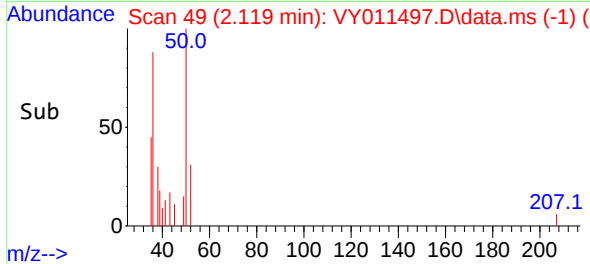
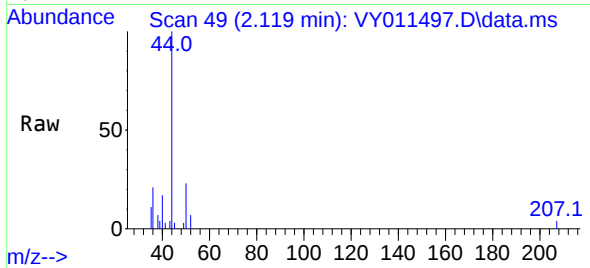
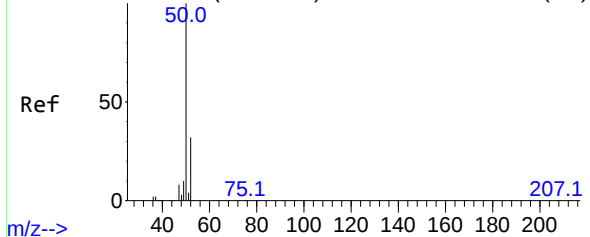


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

Tgt Ion: 85 Resp: 770
Ion Ratio Lower Upper
85 100
87 47.2 16.1 48.2



Abundance Scan 49 (2.119 min): VY011494.D\data.ms (-41)



#3

Chloromethane

Concen: Below Cal

RT: 2.119 min Scan# 49

Delta R.T. 0.000 min

Lab File: VY011497.D

Acq: 18 Nov 2022 12:36

Instrument :

MSVOA_Y

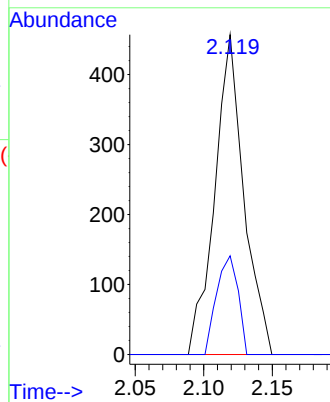
ClientSampleId :

Tgt Ion: 50 Resp: 675

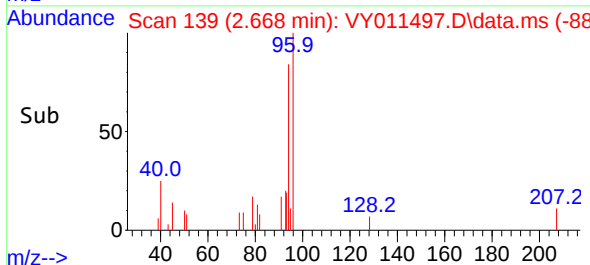
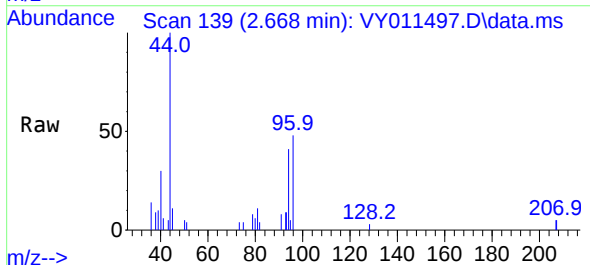
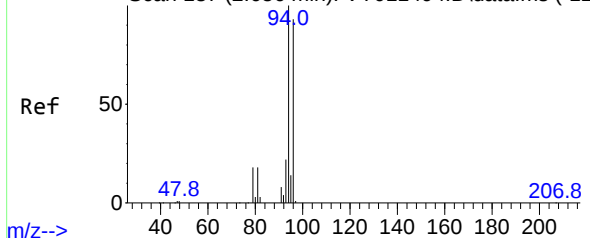
Ion Ratio Lower Upper

50 100

52 30.9 24.6 37.0



Abundance Scan 137 (2.656 min): VY011494.D\data.ms (-12)



#5

Bromomethane

Concen: Below Cal

RT: 2.668 min Scan# 139

Delta R.T. 0.012 min

Lab File: VY011497.D

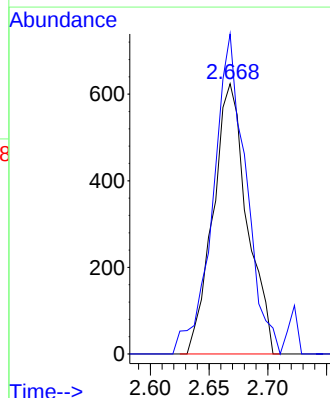
Acq: 18 Nov 2022 12:36

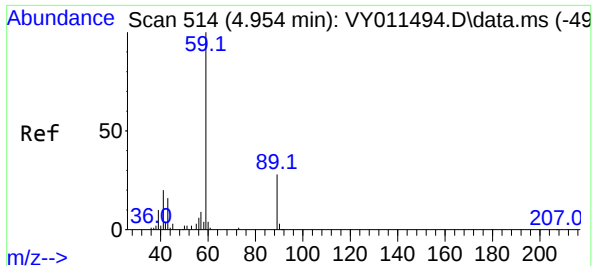
Tgt Ion: 94 Resp: 1257

Ion Ratio Lower Upper

94 100

96 118.4 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 514

Delta R.T. -0.012 min

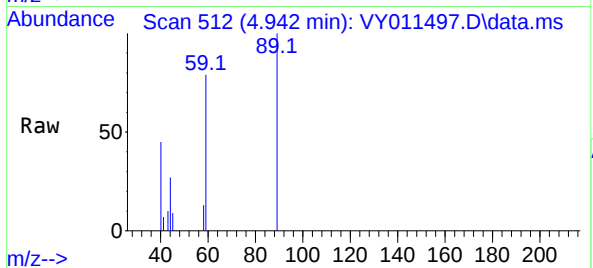
Lab File: VY011497.D

Acq: 18 Nov 2022 12:36

Instrument :

MSVOA_Y

ClientSampleId :

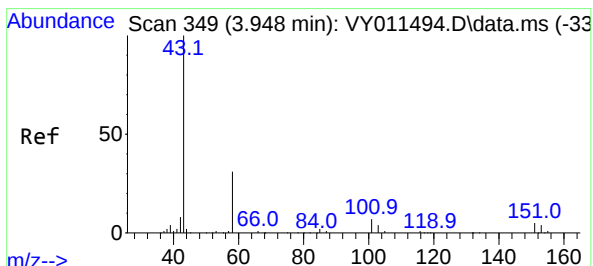
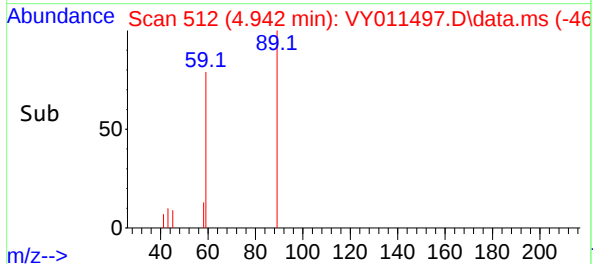
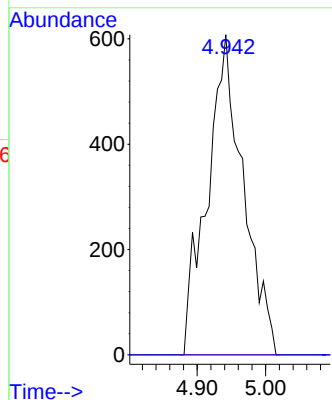


Tgt Ion: 59 Resp: 2226

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.934 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY011497.D

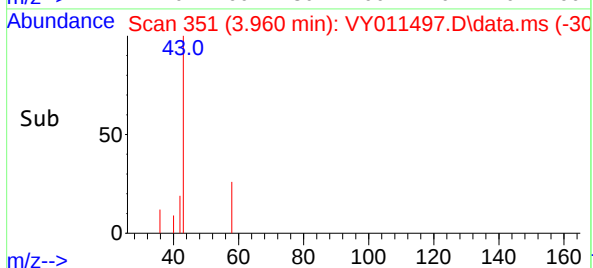
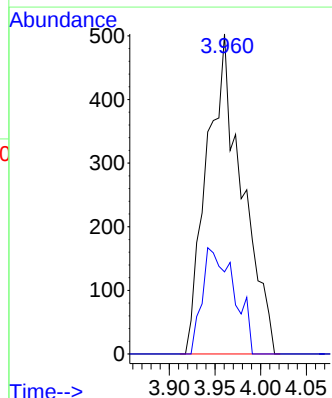
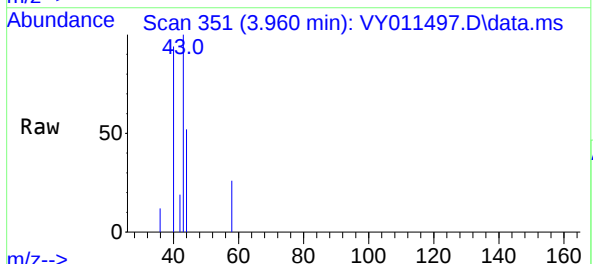
Acq: 18 Nov 2022 12:36

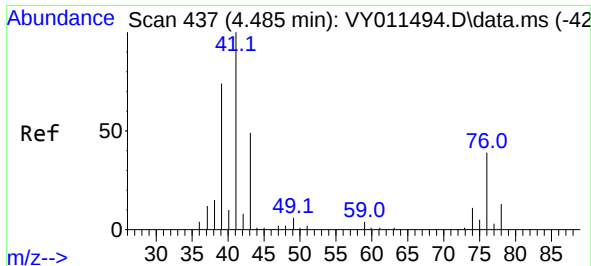
Tgt Ion: 43 Resp: 1344

Ion Ratio Lower Upper

43 100

58 25.6 22.0 33.0

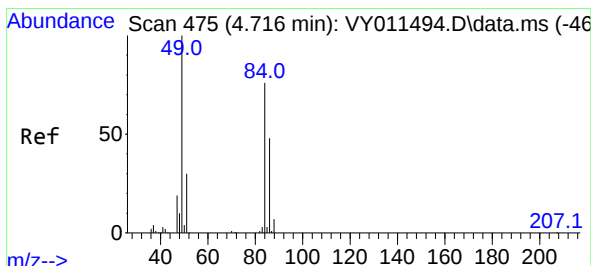
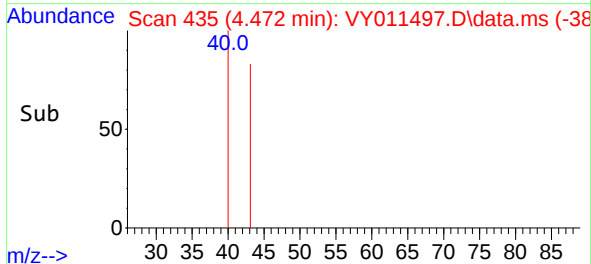
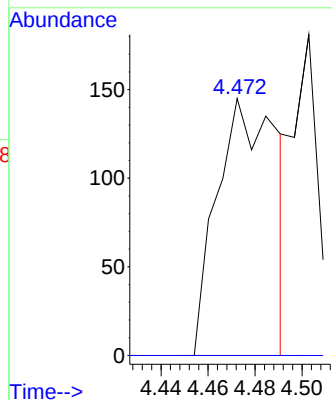
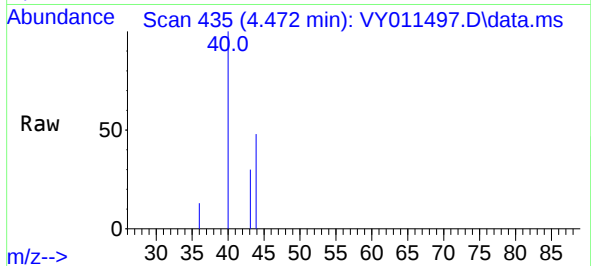




#18
Methyl Acetate
Concen: Below Cal
RT: 4.472 min Scan# 41
Delta R.T. -0.013 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

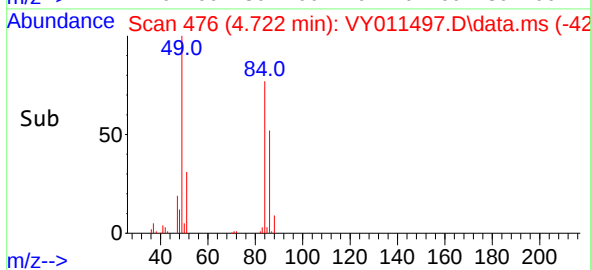
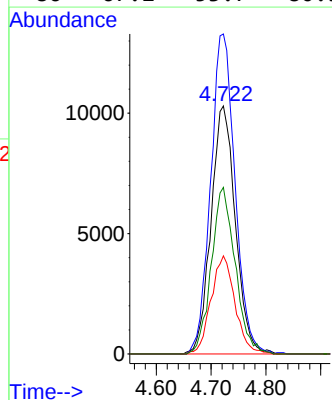
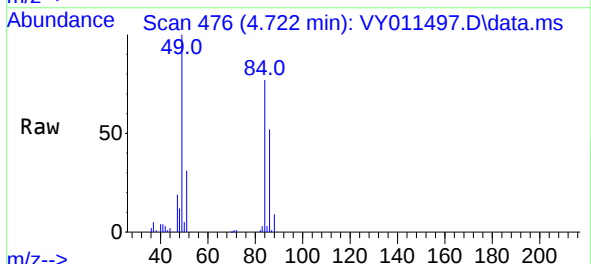
Instrument :
MSVOA_Y
ClientSampleId :

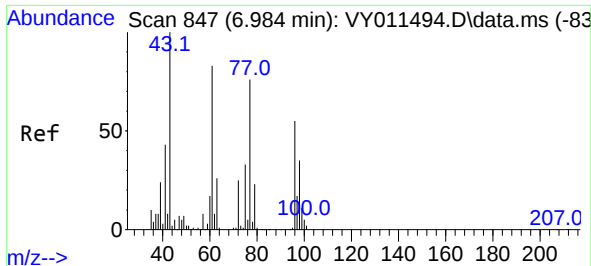
Tgt Ion: 43 Resp: 255
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: 1.792 ug/l
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

Tgt Ion: 84 Resp: 31774
Ion Ratio Lower Upper
84 100
49 129.0 114.4 171.6
51 39.6 35.3 52.9
86 67.2 53.7 80.5





#25

2-Butanone

Concen: 2.365 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

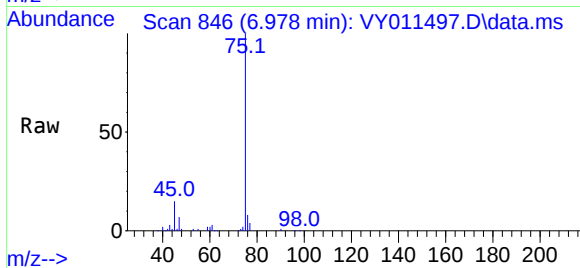
Lab File: VY011497.D

Acq: 18 Nov 2022 12:36

Instrument :

MSVOA_Y

ClientSampleId :

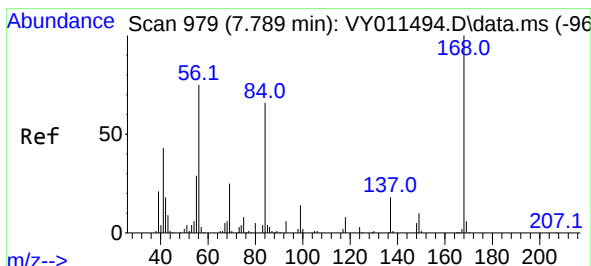
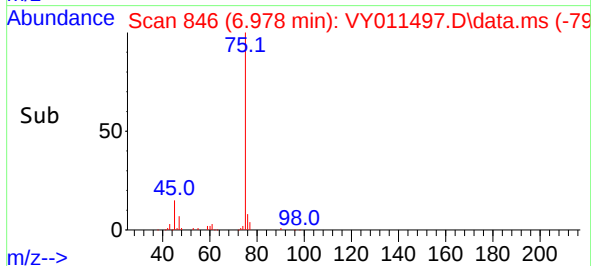
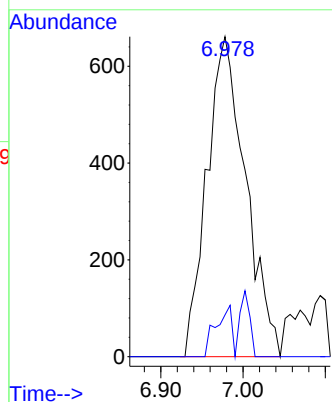


Tgt Ion: 43 Resp: 2160

Ion Ratio Lower Upper

43 100

72 13.0 17.7 26.5#



#31

Cyclohexane

Concen: 1.463 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.000 min

Lab File: VY011497.D

Acq: 18 Nov 2022 12:36

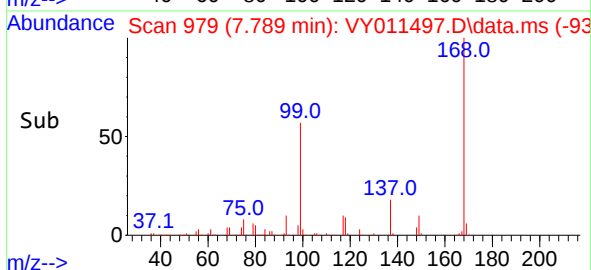
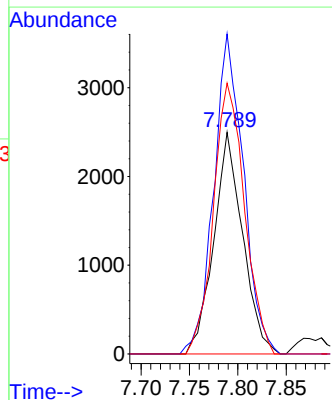
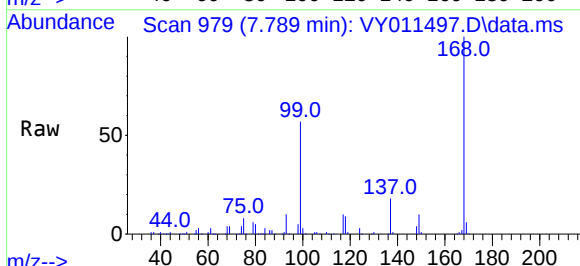
Tgt Ion: 56 Resp: 5190

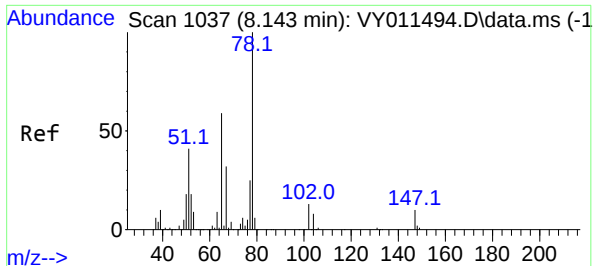
Ion Ratio Lower Upper

56 100

69 144.4 26.7 40.1#

84 122.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 63.150 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY011497.D

Acq: 18 Nov 2022 12:36

Instrument :

MSVOA_Y

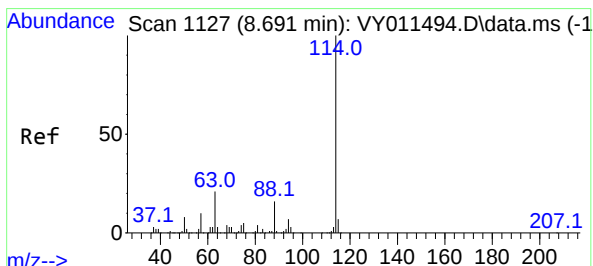
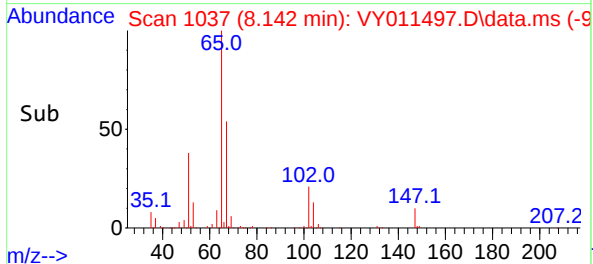
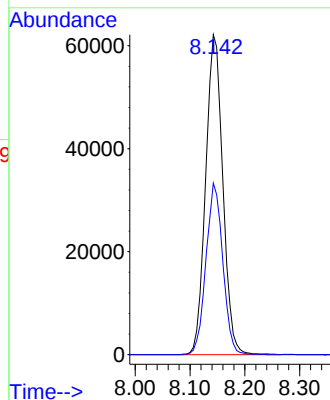
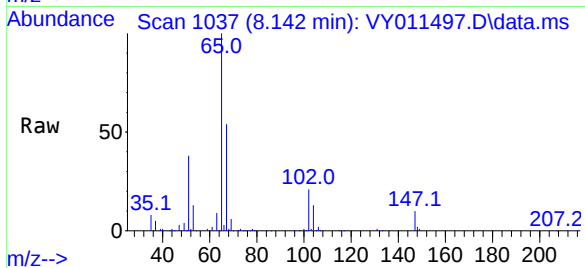
ClientSampleId :

Tgt Ion: 65 Resp: 135127

Ion Ratio Lower Upper

65 100

67 52.5 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: VY011497.D

Acq: 18 Nov 2022 12:36

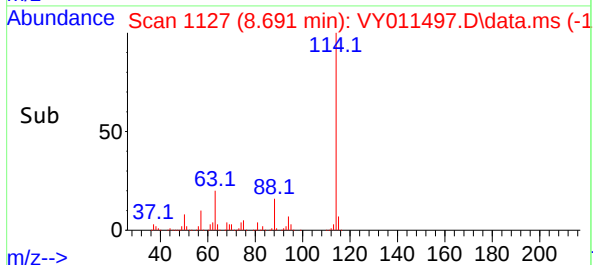
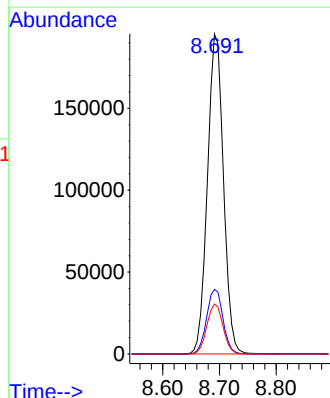
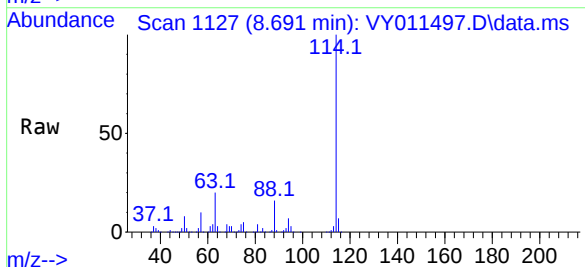
Tgt Ion:114 Resp: 384239

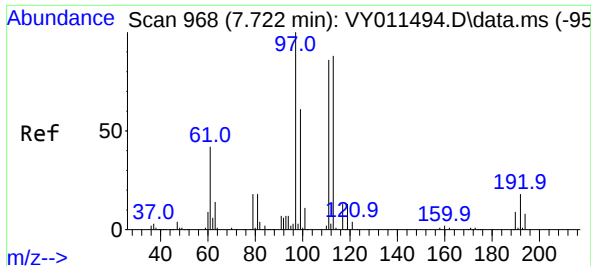
Ion Ratio Lower Upper

114 100

63 20.2 0.0 43.2

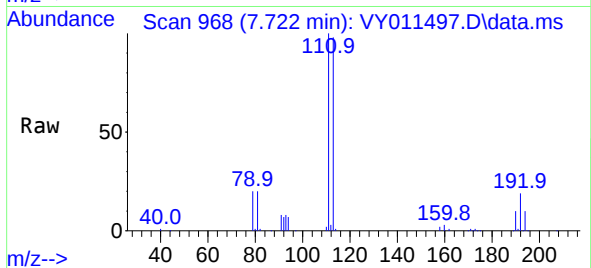
88 15.6 0.0 31.8



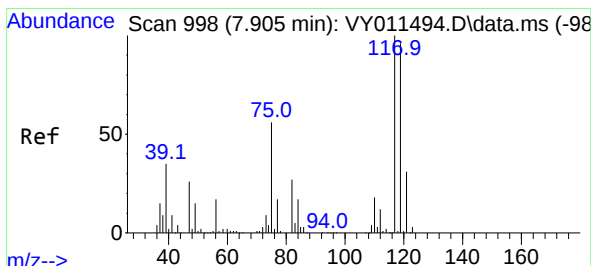
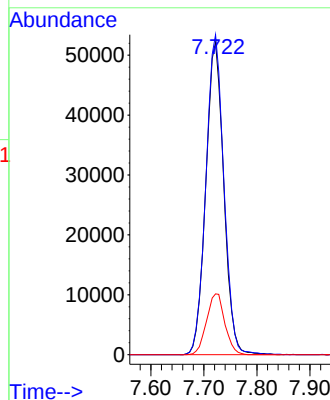
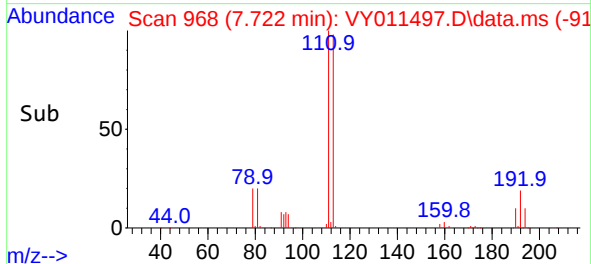


#35
Dibromofluoromethane
Concen: 51.879 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

Instrument :
MSVOA_Y
ClientSampleId :

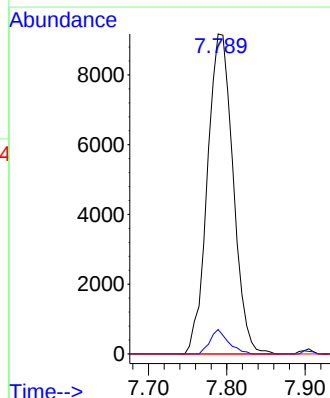
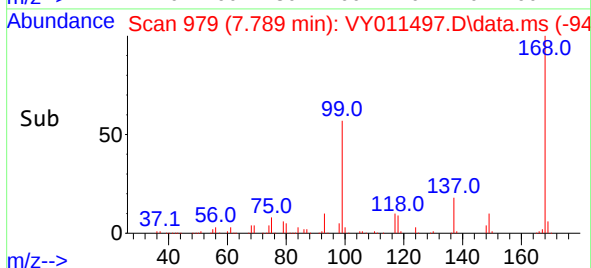
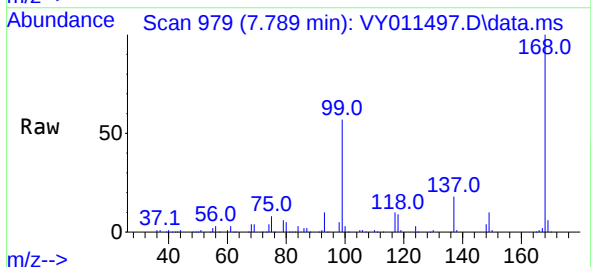


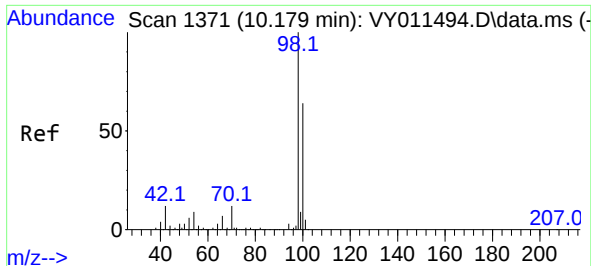
Tgt Ion:113 Resp: 122711
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.8 17.6 26.4



#38
Carbon Tetrachloride
Concen: 5.059 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.116 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

Tgt Ion:117 Resp: 20929
Ion Ratio Lower Upper
117 100
119 7.6 77.9 116.9#
121 0.0 24.8 37.2#

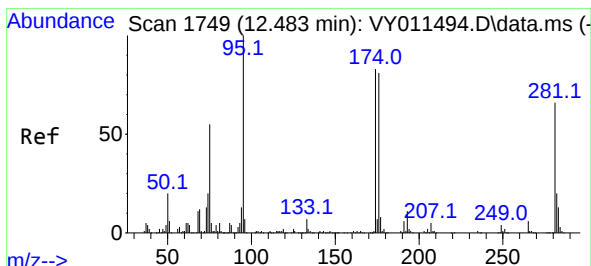
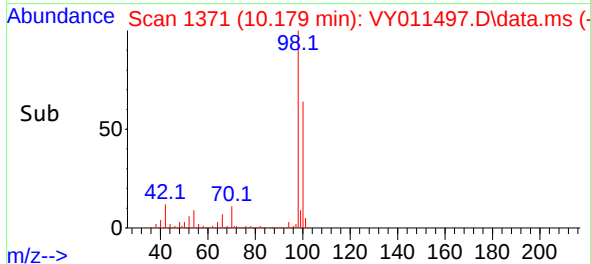
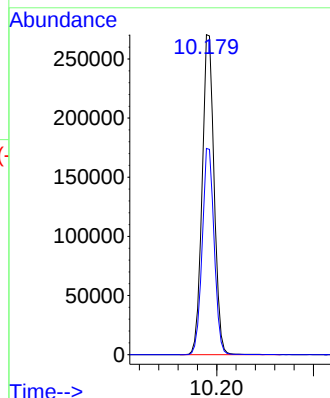
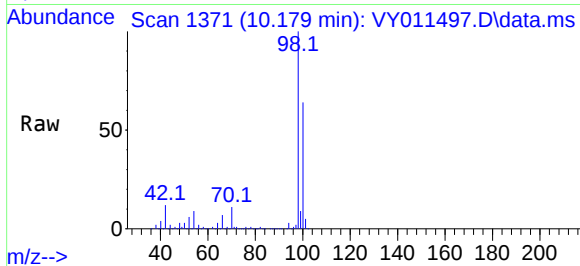




#50
Toluene-d8
Concen: 53.960 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

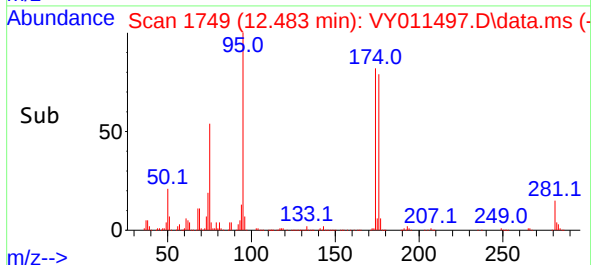
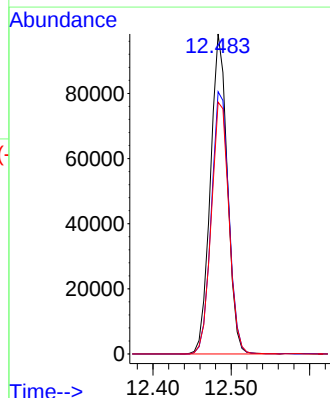
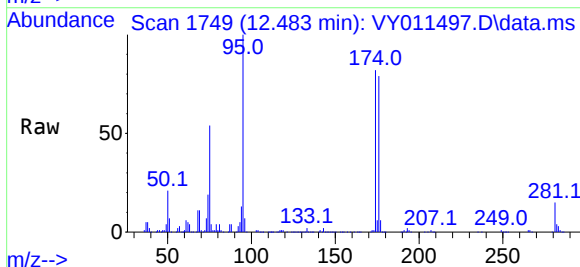
Instrument :
MSVOA_Y
ClientSampleId :

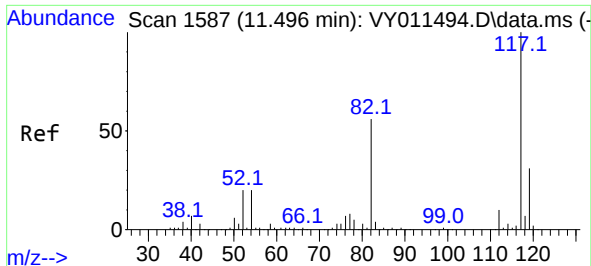
Tgt Ion: 98 Resp: 463813
Ion Ratio Lower Upper
98 100
100 64.5 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 46.651 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

Tgt Ion: 95 Resp: 148257
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 81.4 0.0 175.8

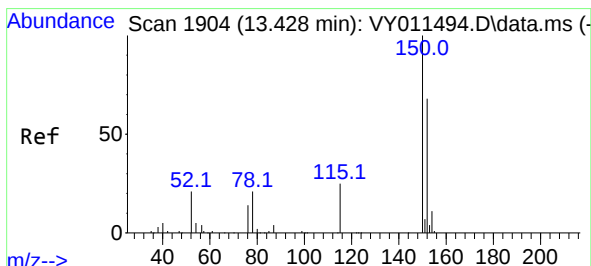
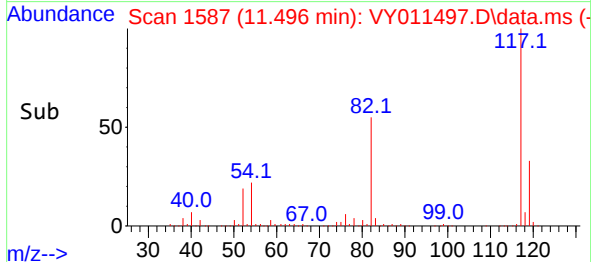
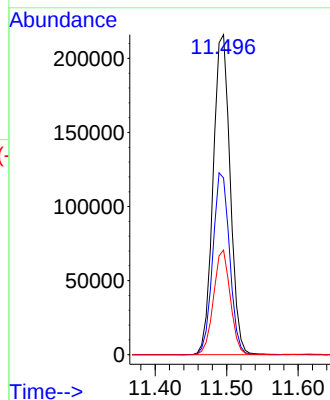
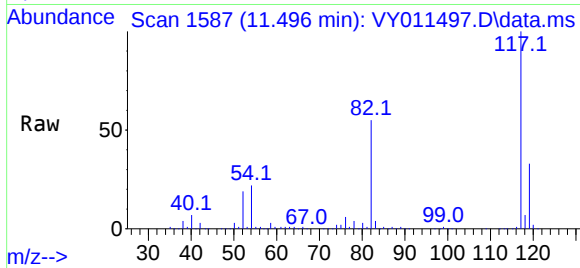




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

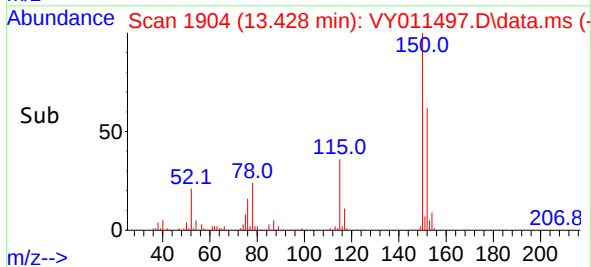
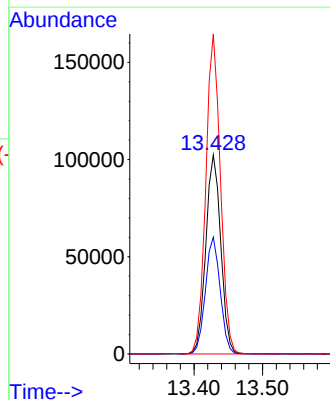
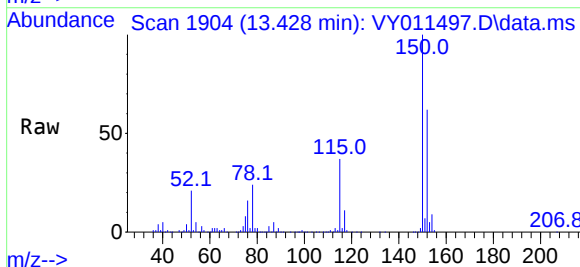
Instrument :
MSVOA_Y
ClientSampleId :

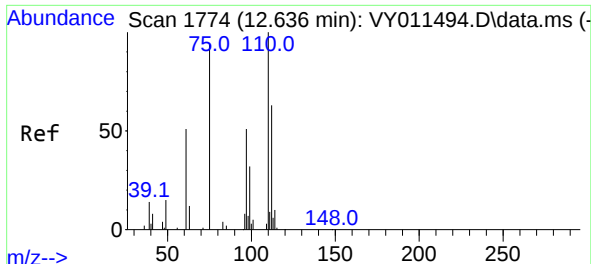
Tgt Ion:117 Resp: 357437
Ion Ratio Lower Upper
117 100
82 55.2 43.0 64.4
119 32.7 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

Tgt Ion:152 Resp: 155552
Ion Ratio Lower Upper
152 100
115 58.0 28.2 84.7
150 156.9 0.0 347.6

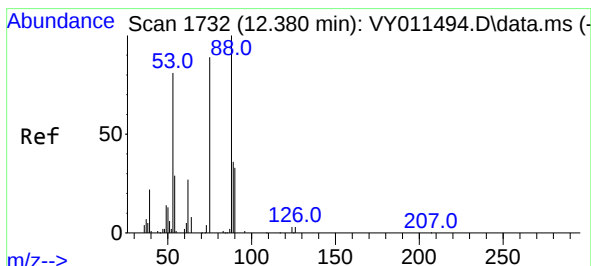
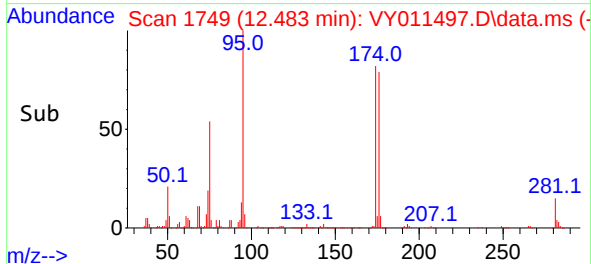
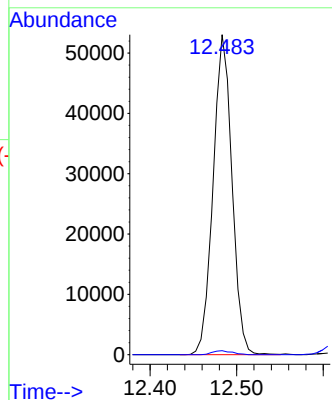
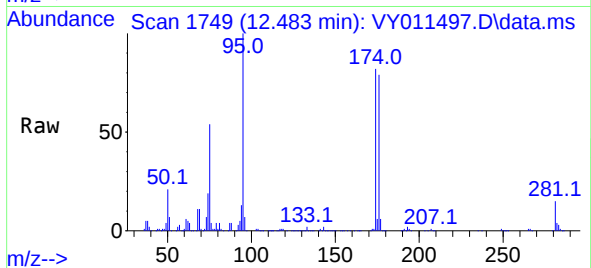




#76
1,2,3-Trichloropropane
Concen: 47.859 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

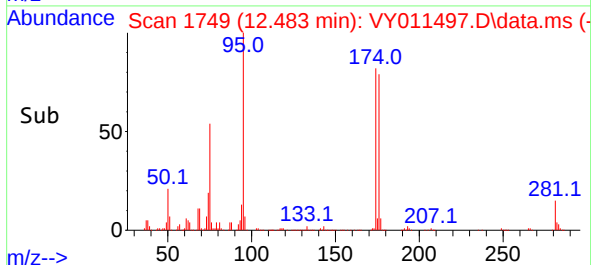
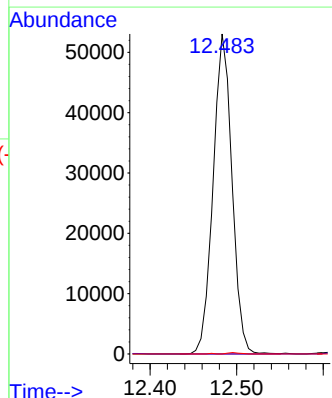
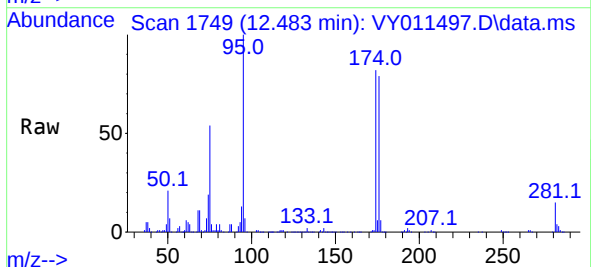
Instrument :
MSVOA_Y
ClientSampleId :

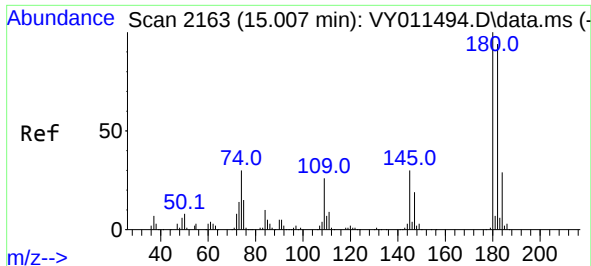
Tgt Ion: 75 Resp: 80173
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.827 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

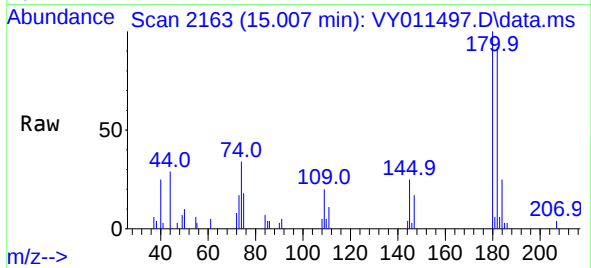
Tgt Ion: 75 Resp: 80173
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



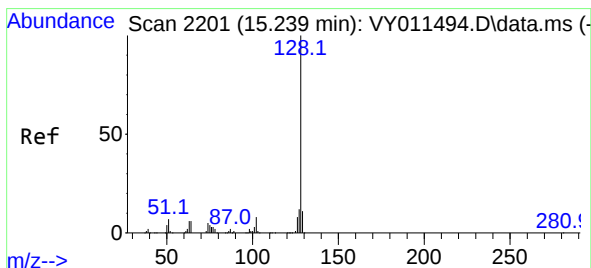
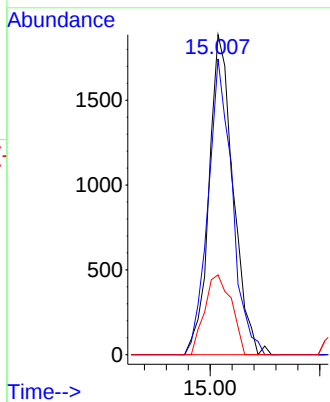
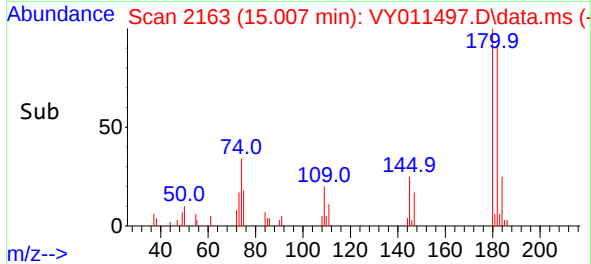


#93
1,2,4-Trichlorobenzene
Concen: 1.098 ug/l
RT: 15.007 min Scan# 2163
Delta R.T. 0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36

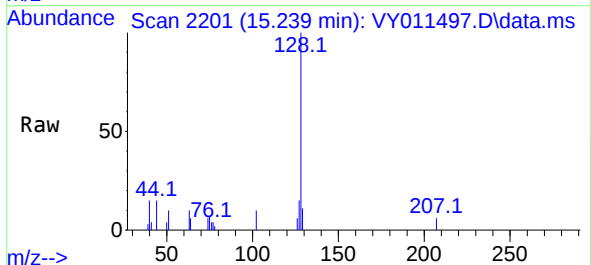
Instrument :
MSVOA_Y
ClientSampleId :



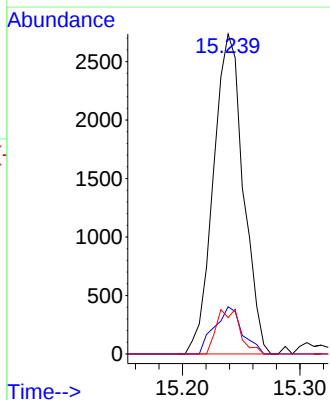
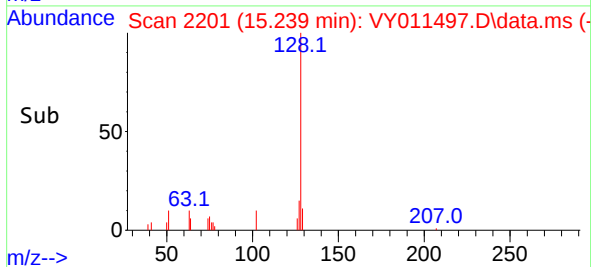
Tgt Ion:180 Resp: 2886
Ion Ratio Lower Upper
180 100
182 92.3 47.3 141.9
145 27.7 14.6 43.8

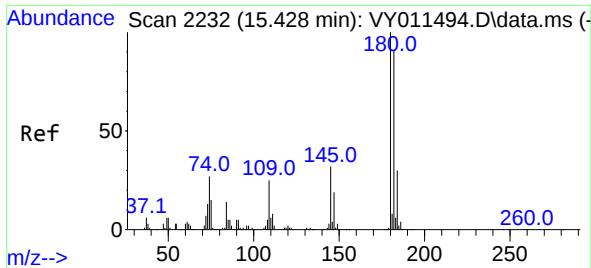


#95
Naphthalene
Concen: 4.828 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011497.D
Acq: 18 Nov 2022 12:36



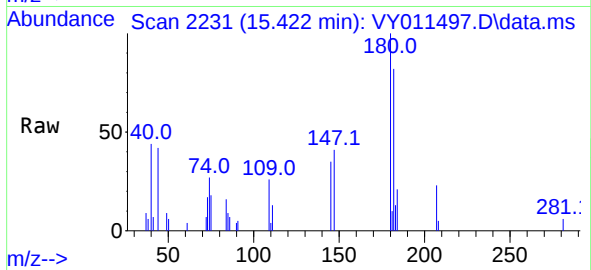
Tgt Ion:128 Resp: 4842
Ion Ratio Lower Upper
128 100
127 13.6 11.0 16.4
129 11.1 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.118 ug/l
 RT: 15.422 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: VY011497.D
 Acq: 18 Nov 2022 12:36

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:180 Resp: 2519

Ion	Ratio	Lower	Upper
180	100		
182	89.5	47.3	141.9
145	27.6	15.3	45.9

