

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY111822\
 Data File : VY011499.D
 Acq On : 18 Nov 2022 13:29
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 19 22:40:19 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)

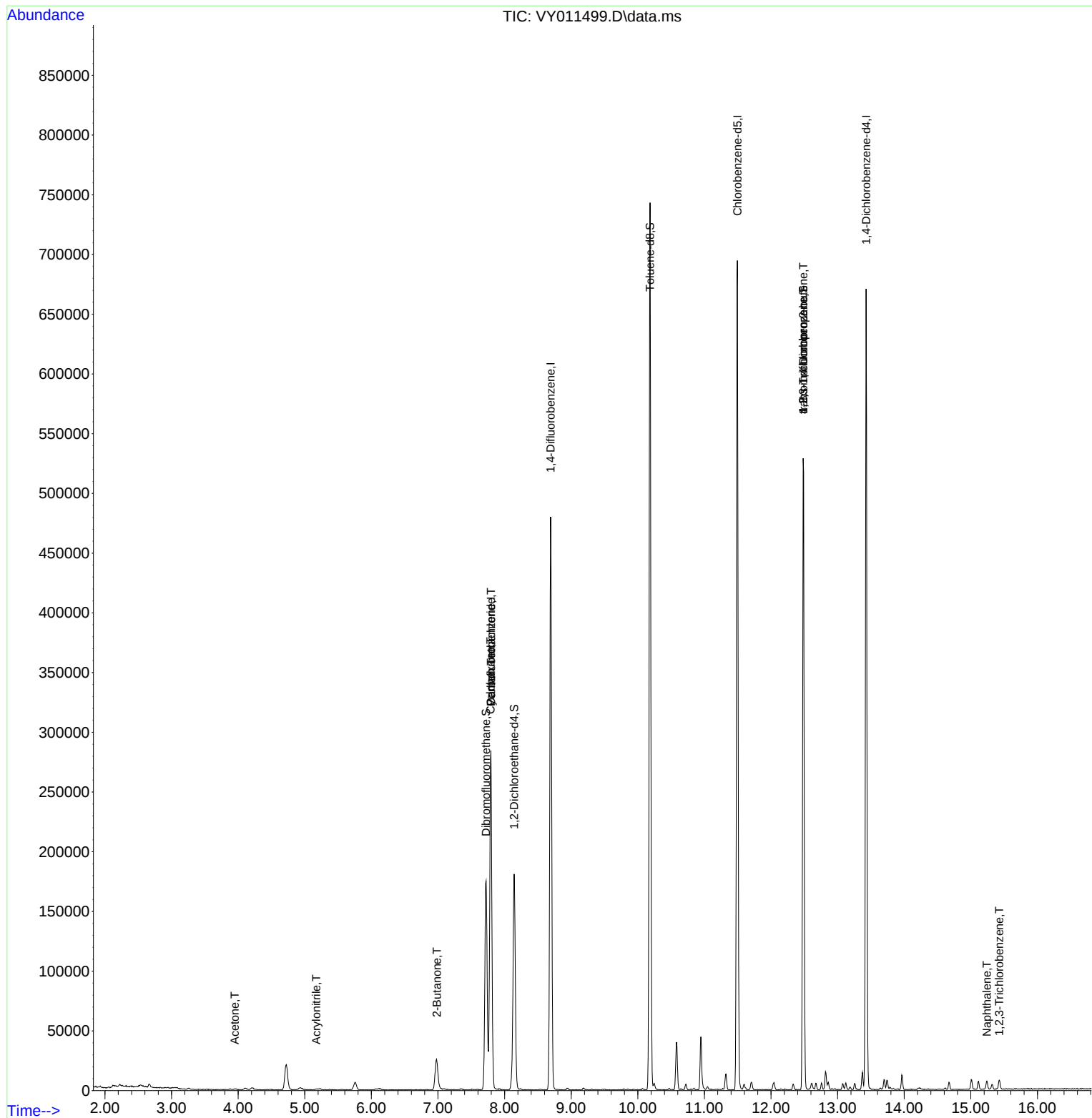
Internal Standards						
1) Pentafluorobenzene	7.795	168	215222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	396932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	369717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	160400	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	137746	63.031	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.060%	
35) Dibromofluoromethane	7.722	113	127583	52.214	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.420%	
50) Toluene-d8	10.185	98	473725	53.351	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 106.700%	
62) 4-Bromofluorobenzene	12.483	95	155946	47.501	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.912	85	155	Below Cal	#	43
3) Chloromethane	2.119	50	875	Below Cal		97
5) Bromomethane	2.674	94	1507	Below Cal	#	71
11) Tert butyl alcohol	4.936	59	2250	Below Cal	#	77
15) Acrylonitrile	5.173	53	895	1.420	ug/l #	90
16) Acetone	3.948	43	1439	2.027	ug/l	95
18) Methyl Acetate	4.490	43	320	Below Cal	#	56
20) Methylene Chloride	4.722	84	15263	Below Cal		94
25) 2-Butanone	6.984	43	1960	2.101	ug/l	94
31) Cyclohexane	7.789	56	5095	1.407	ug/l #	1
38) Carbon Tetrachloride	7.795	117	22167	5.187	ug/l #	14
76) 1,2,3-Trichloropropane	12.483	75	82279	47.632	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	82279	104.329	ug/l #	7
95) Naphthalene	15.239	128	6344	5.047	ug/l	99
96) 1,2,3-Trichlorobenzene	15.428	180	2854	1.228	ug/l	97

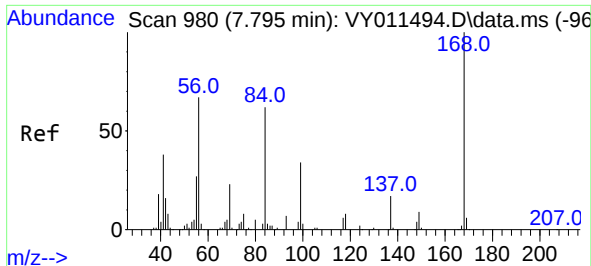
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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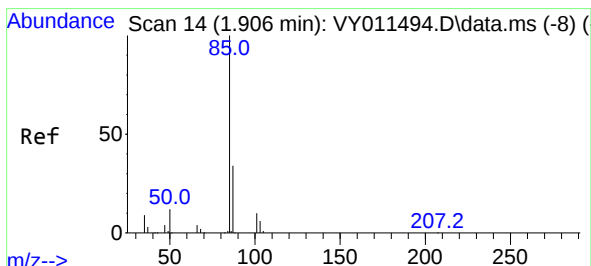
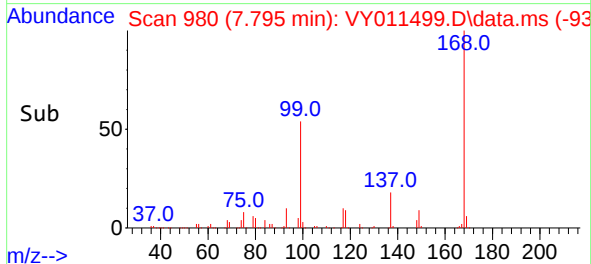
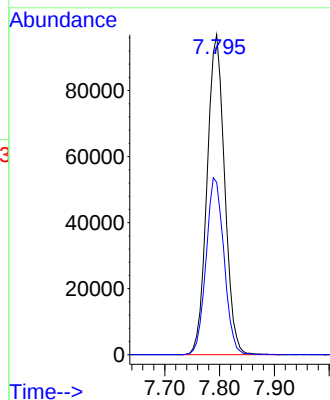
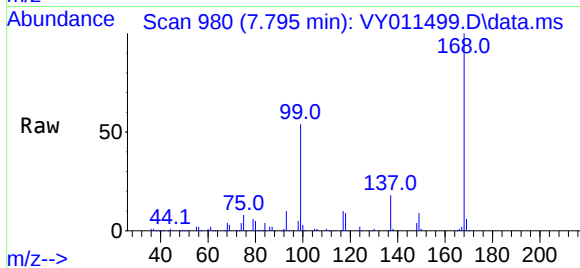




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

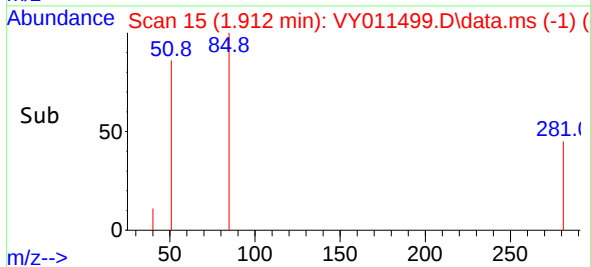
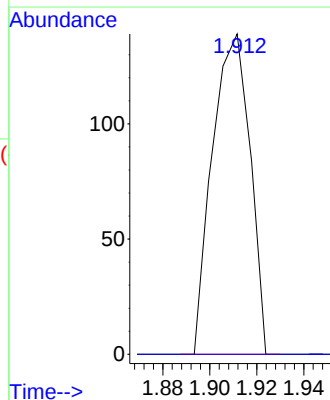
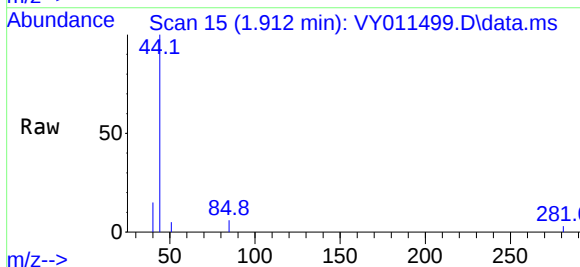
Instrument :
MSVOA_Y
ClientSampleId :

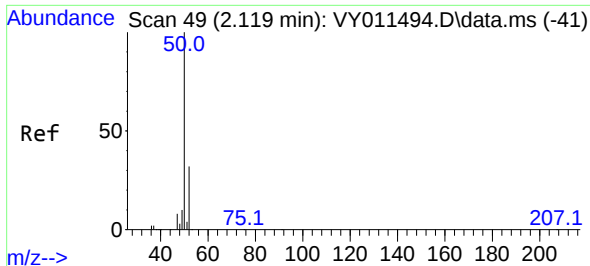
Tgt Ion:168 Resp: 215222
Ion Ratio Lower Upper
168 100
99 53.8 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.912 min Scan# 15
Delta R.T. 0.006 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

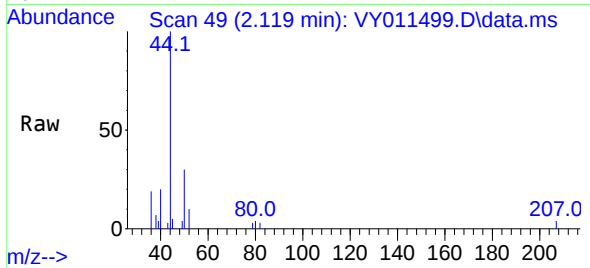
Tgt Ion: 85 Resp: 155
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#



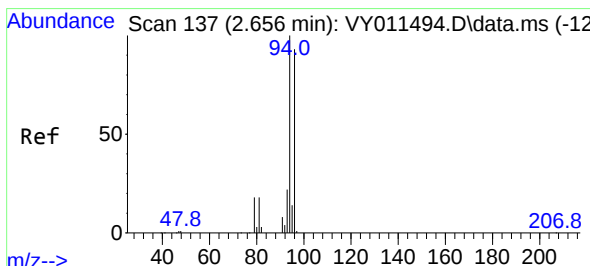
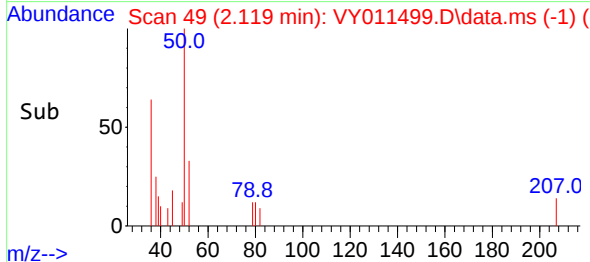
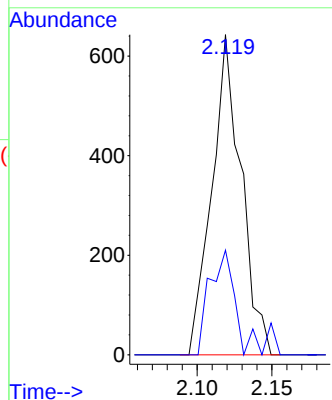


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :

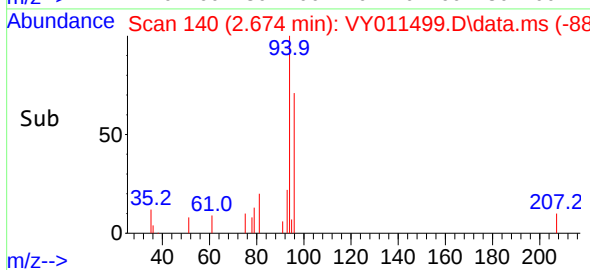
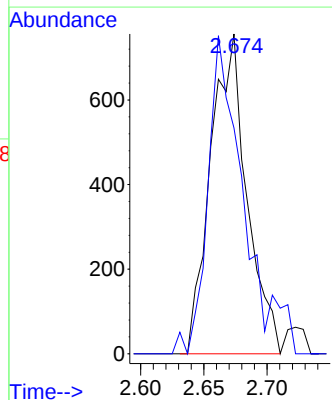
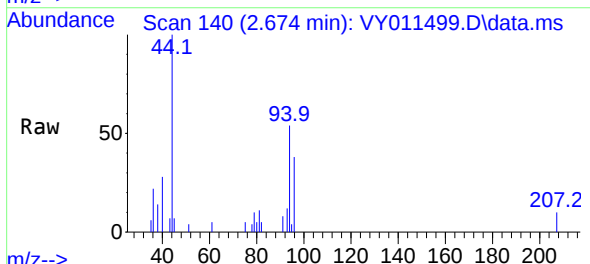


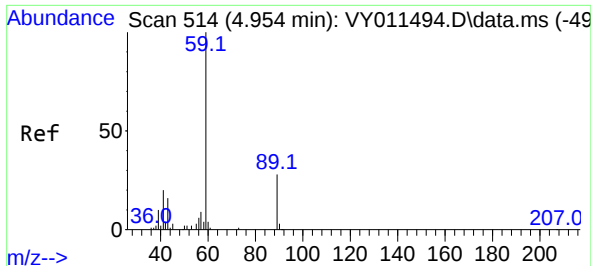
Tgt Ion: 50 Resp: 875
Ion Ratio Lower Upper
50 100
52 32.7 24.6 37.0



#5
Bromomethane
Concen: Below Cal
RT: 2.674 min Scan# 140
Delta R.T. 0.018 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Tgt Ion: 94 Resp: 1507
Ion Ratio Lower Upper
94 100
96 63.9 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.936 min Scan# 51

Delta R.T. -0.018 min

Lab File: VY011499.D

Acq: 18 Nov 2022 13:29

Instrument :

MSVOA_Y

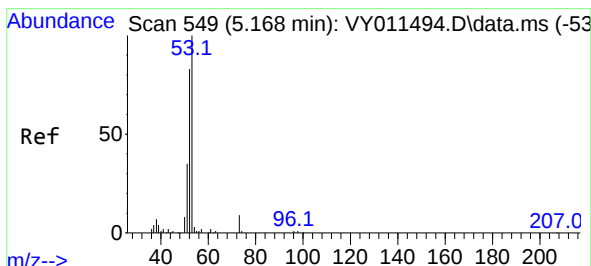
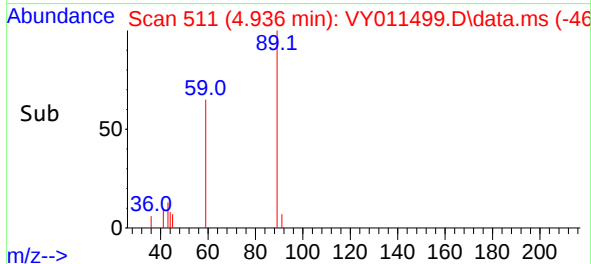
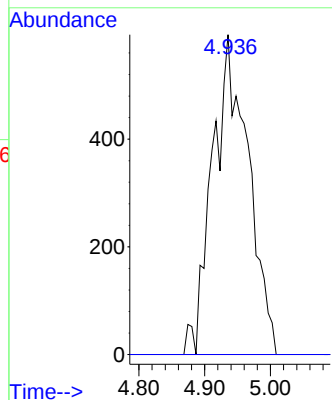
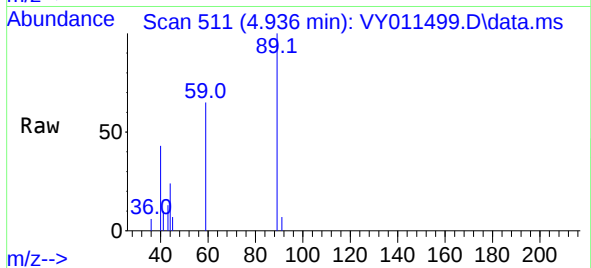
ClientSampleId :

Tgt Ion: 59 Resp: 2250

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#15

Acrylonitrile

Concen: 1.420 ug/l

RT: 5.173 min Scan# 550

Delta R.T. 0.005 min

Lab File: VY011499.D

Acq: 18 Nov 2022 13:29

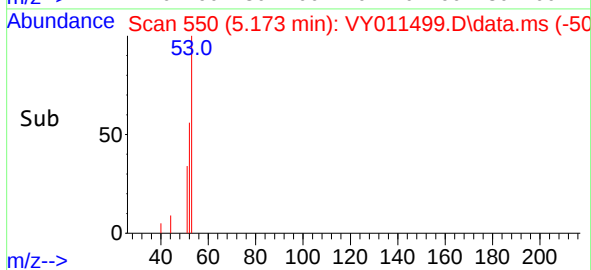
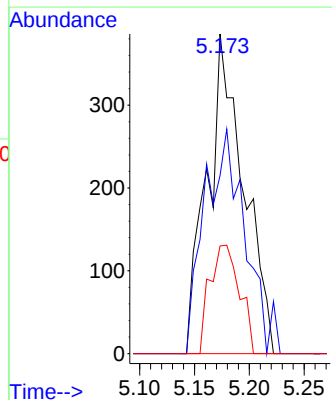
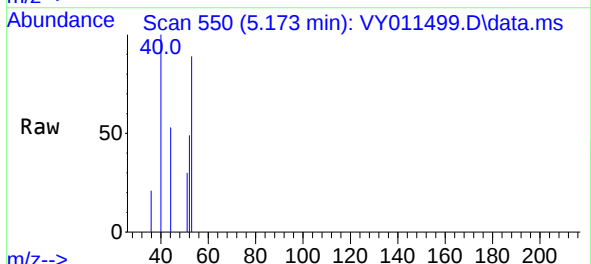
Tgt Ion: 53 Resp: 895

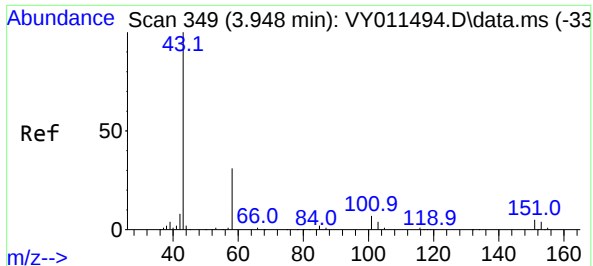
Ion Ratio Lower Upper

53 100

52 77.5 67.0 100.4

51 27.6 29.8 44.6#

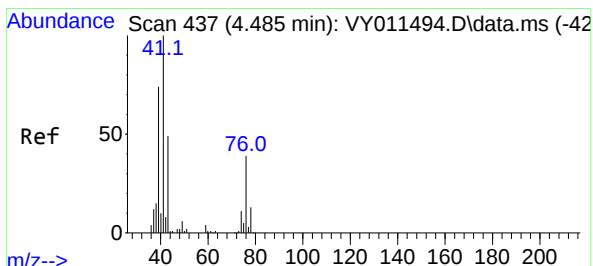
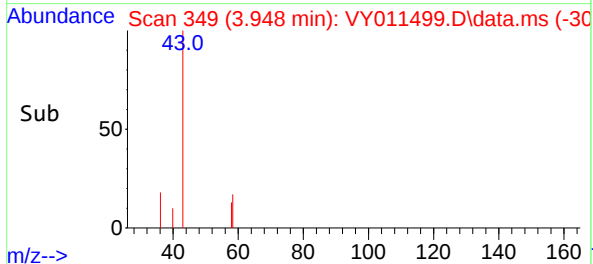
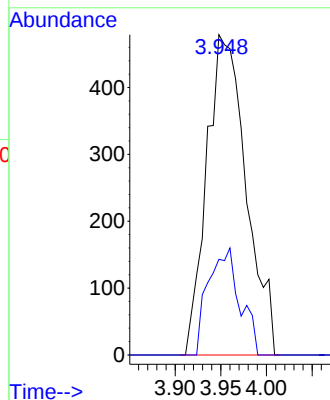
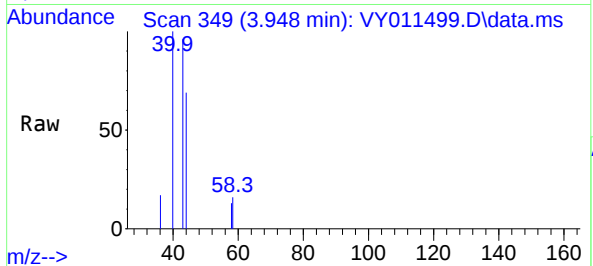




#16
Acetone
Concen: 2.027 ug/l
RT: 3.948 min Scan# 34
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

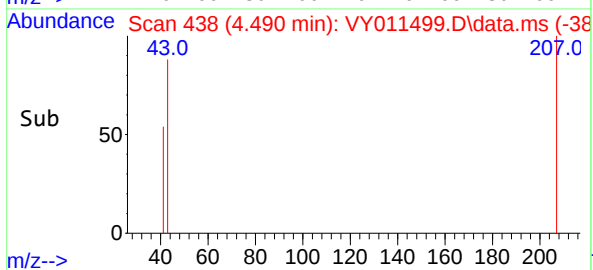
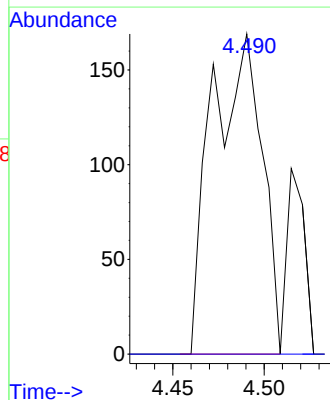
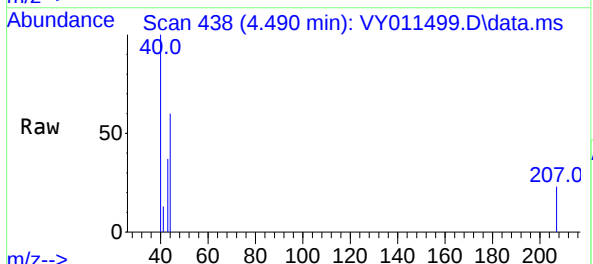
Instrument :
MSVOA_Y
ClientSampleId :

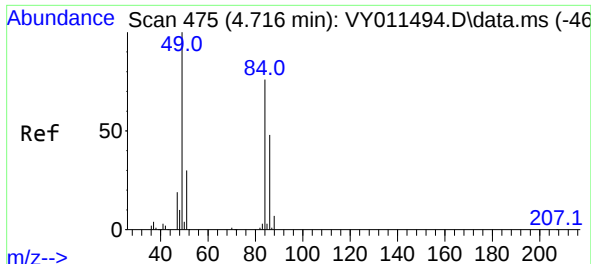
Tgt Ion: 43 Resp: 1439
Ion Ratio Lower Upper
43 100
58 29.9 22.0 33.0



#18
Methyl Acetate
Concen: Below Cal
RT: 4.490 min Scan# 438
Delta R.T. 0.005 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

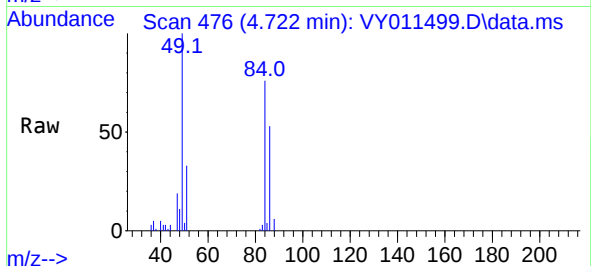
Tgt Ion: 43 Resp: 320
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#





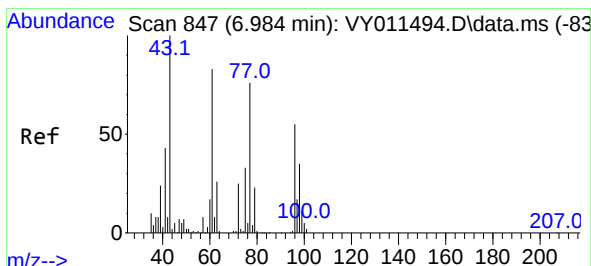
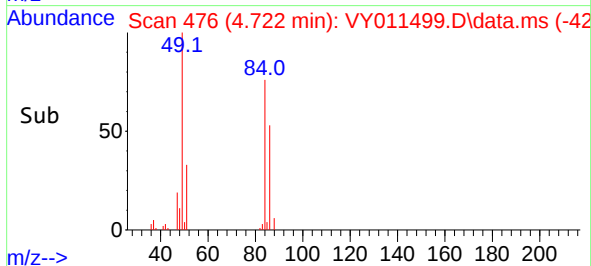
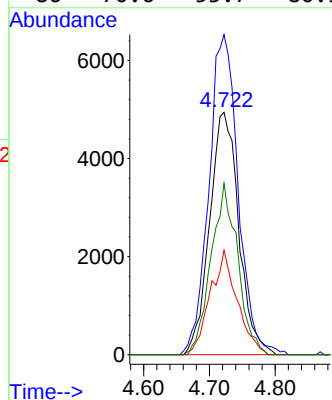
#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 15263

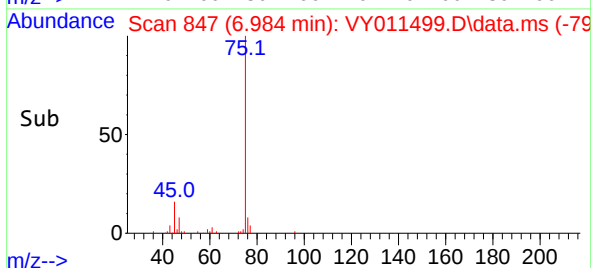
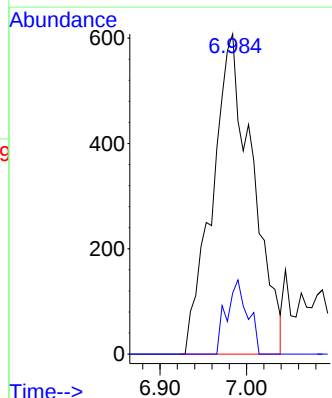
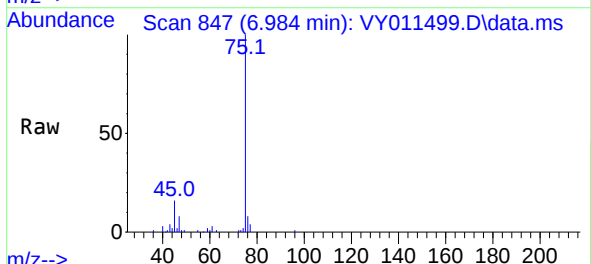
Ion	Ratio	Lower	Upper
84	100		
49	132.0	114.4	171.6
51	43.0	35.3	52.9
86	70.6	53.7	80.5

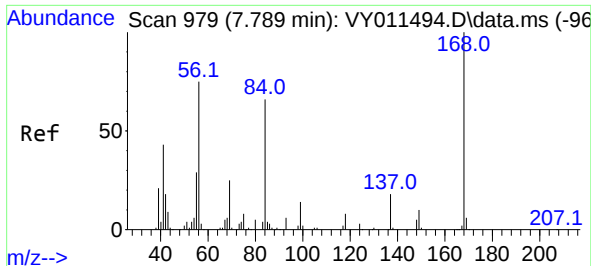


#25
2-Butanone
Concen: 2.101 ug/l
RT: 6.984 min Scan# 847
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Tgt Ion: 43 Resp: 1960

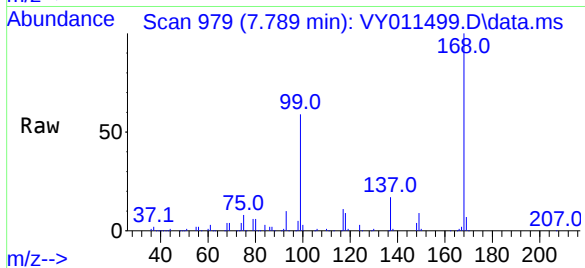
Ion	Ratio	Lower	Upper
43	100		
72	19.1	17.7	26.5



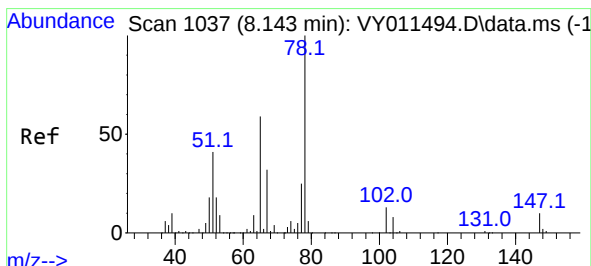
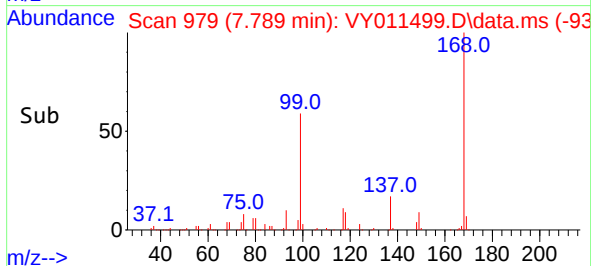
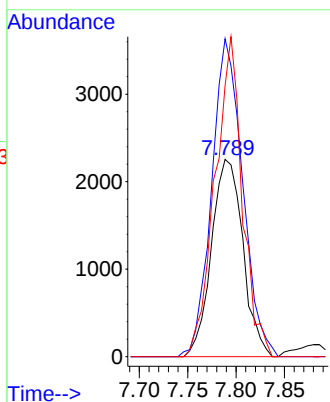


#31
Cyclohexane
Concen: 1.407 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :

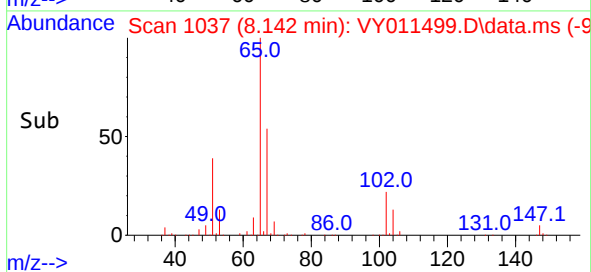
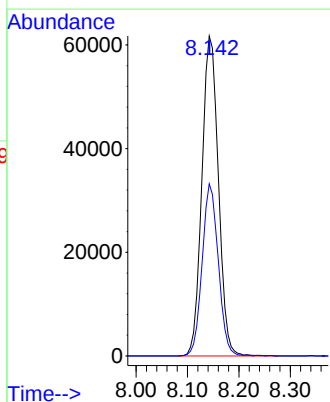
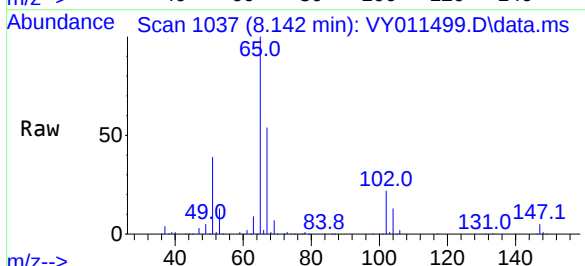


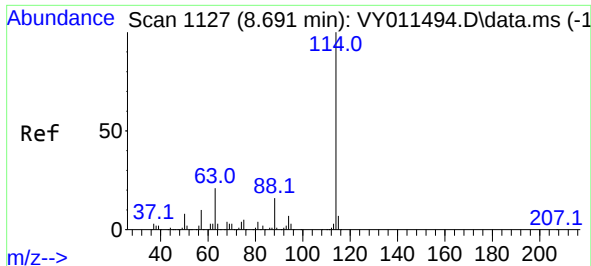
Tgt Ion: 56 Resp: 5095
Ion Ratio Lower Upper
56 100
69 161.2 26.7 40.1#
84 137.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 63.031 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Tgt Ion: 65 Resp: 137746
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: VY011499.D

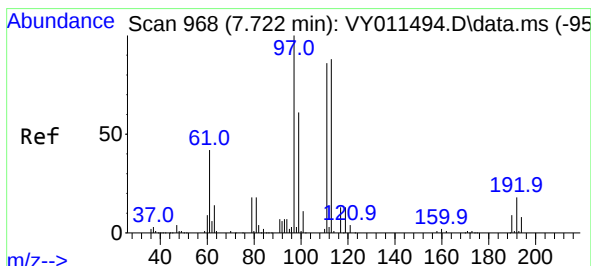
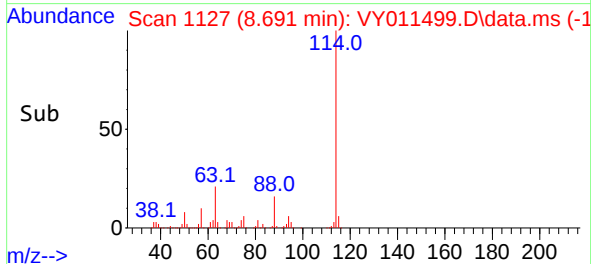
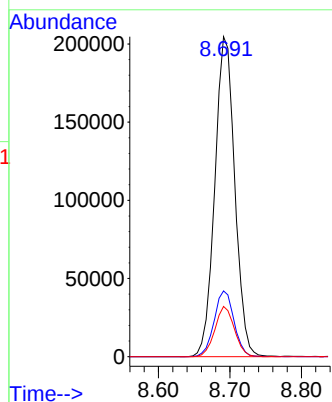
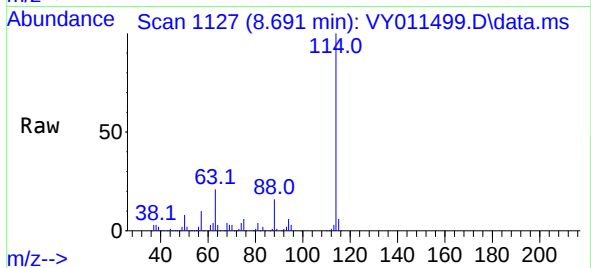
Acq: 18 Nov 2022 13:29

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:114	Resp: 396932
Ion Ratio	Lower Upper
114 100	
63 20.6	0.0 43.2
88 15.7	0.0 31.8



#35

Dibromofluoromethane

Concen: 52.214 ug/l

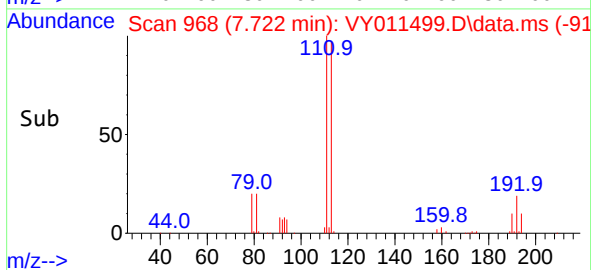
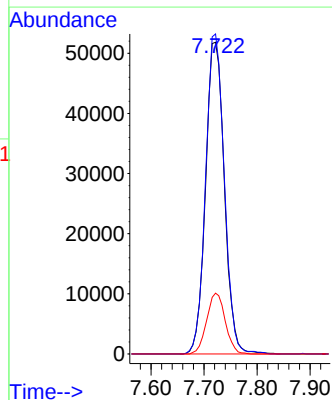
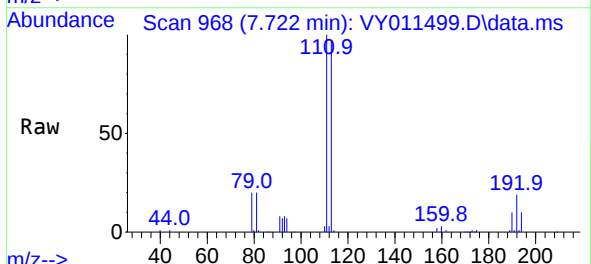
RT: 7.722 min Scan# 968

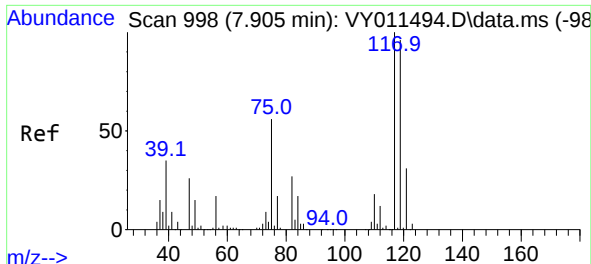
Delta R.T. -0.000 min

Lab File: VY011499.D

Acq: 18 Nov 2022 13:29

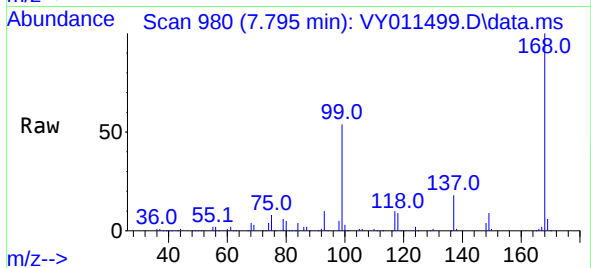
Tgt	Ion:113	Resp:	127583
Ion	Ratio	Lower	Upper
113	100		
111	101.9	82.6	124.0
192	19.3	17.6	26.4



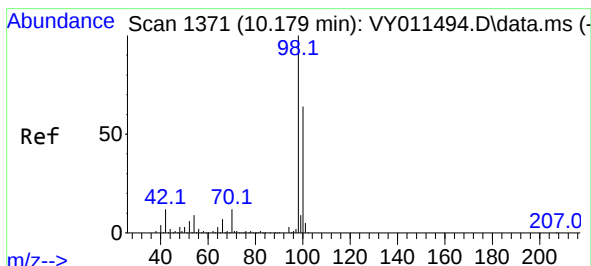
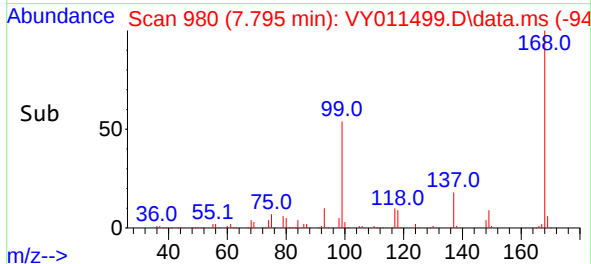
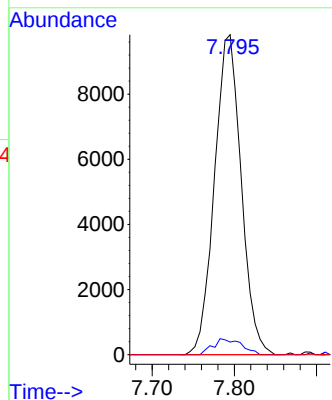


#38
Carbon Tetrachloride
Concen: 5.187 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :

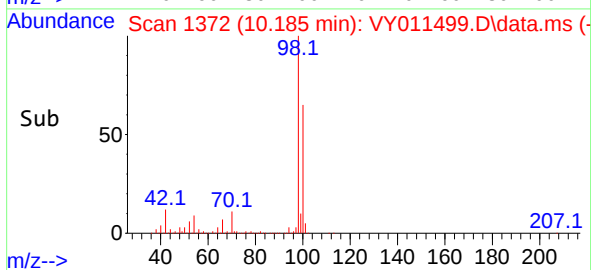
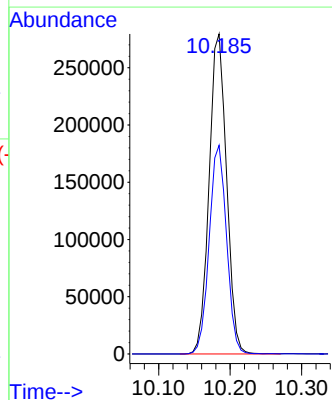
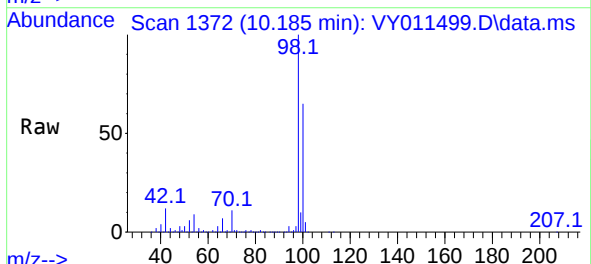


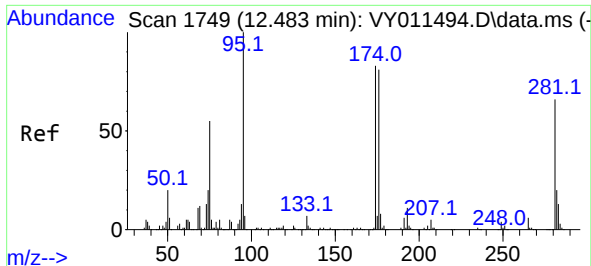
Tgt Ion:117 Resp: 22167
Ion Ratio Lower Upper
117 100
119 4.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 53.351 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.006 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Tgt Ion: 98 Resp: 473725
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

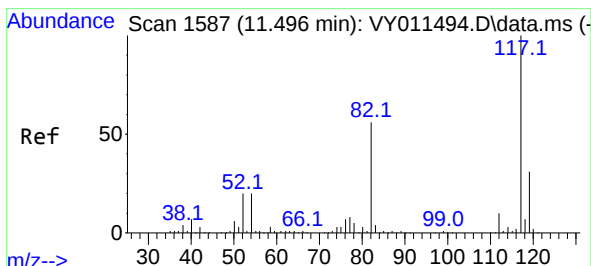
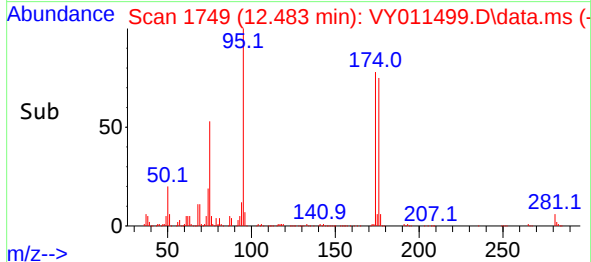
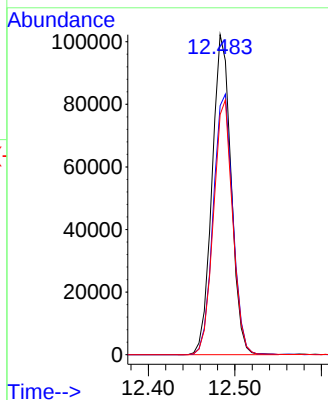
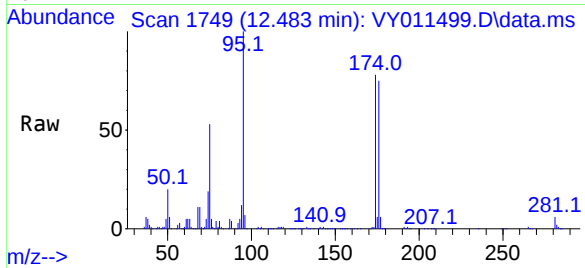




#62
4-Bromofluorobenzene
Concen: 47.501 ug/l
RT: 12.483 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

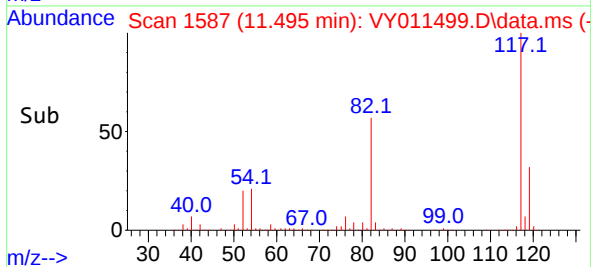
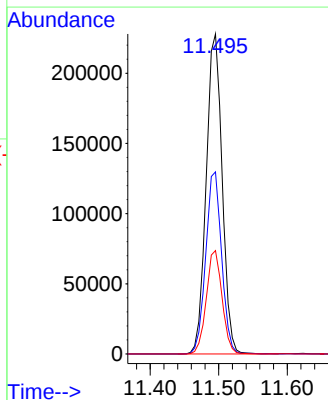
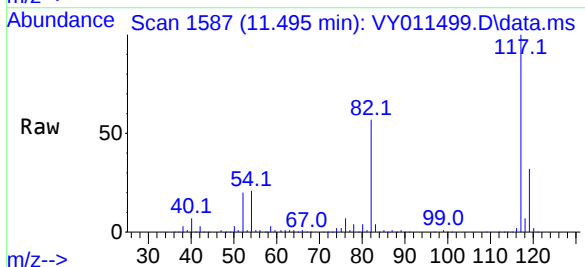
Instrument :
MSVOA_Y
ClientSampleId :

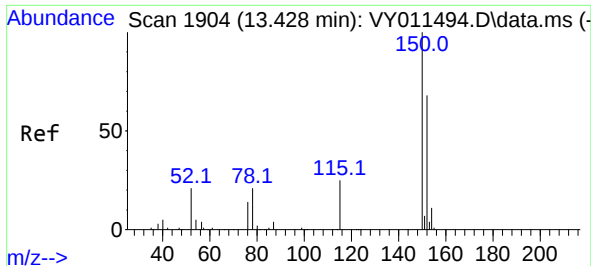
Tgt Ion: 95 Resp: 155946
Ion Ratio Lower Upper
95 100
174 83.6 0.0 177.0
176 79.9 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.001 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

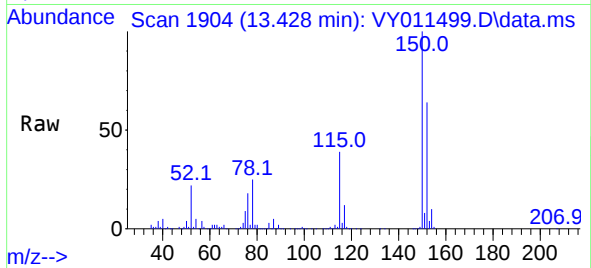
Tgt Ion: 117 Resp: 369717
Ion Ratio Lower Upper
117 100
82 56.9 43.0 64.4
119 32.3 25.4 38.0



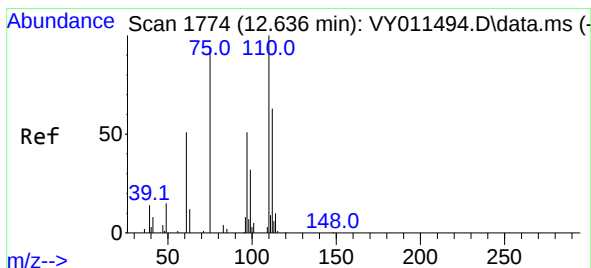
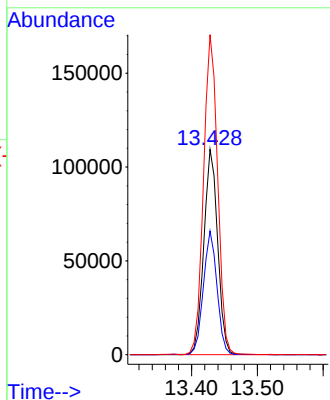
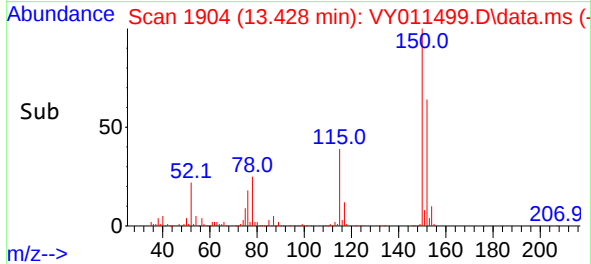


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :

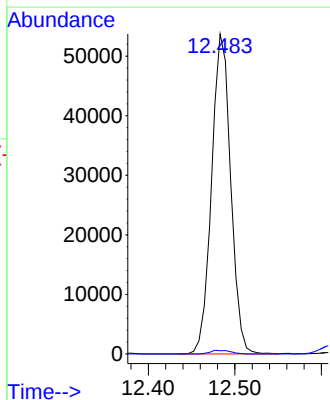
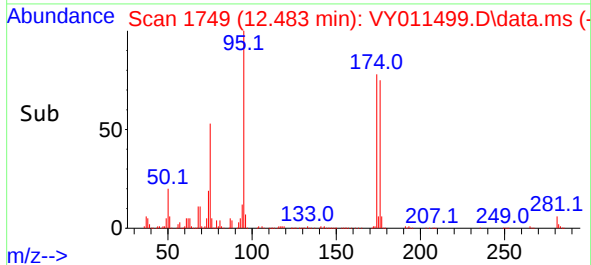
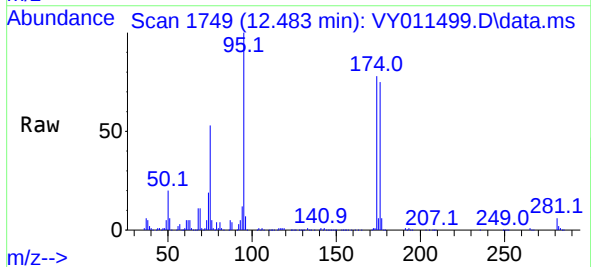


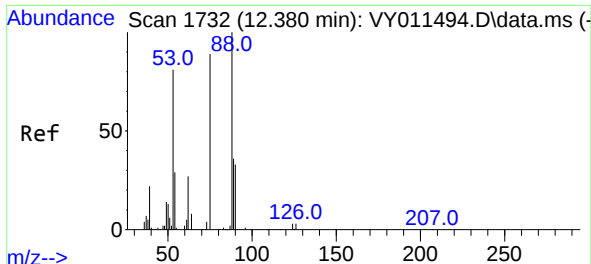
Tgt Ion:152 Resp: 160400
Ion Ratio Lower Upper
152 100
115 59.2 28.2 84.7
150 158.5 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.632 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

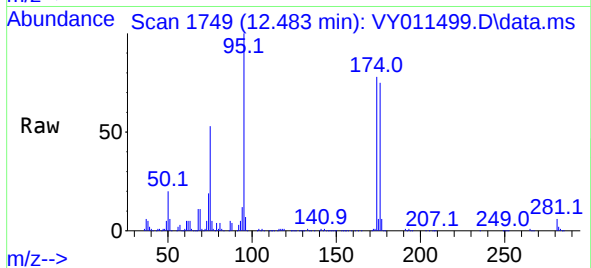
Tgt Ion: 75 Resp: 82279
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



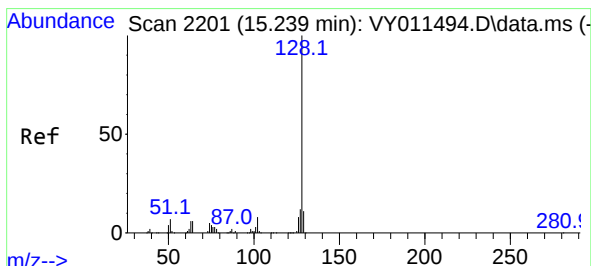
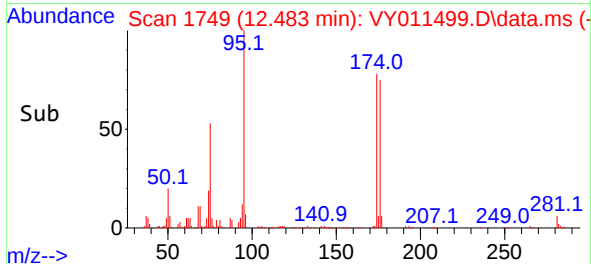
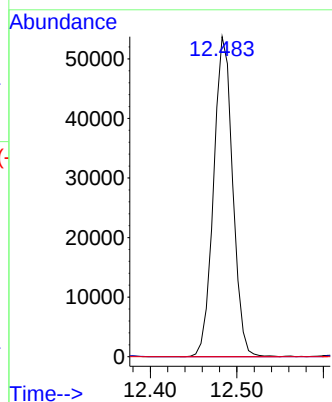


#81
trans-1,4-Dichloro-2-butene
Concen: 104.329 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

Instrument :
MSVOA_Y
ClientSampleId :

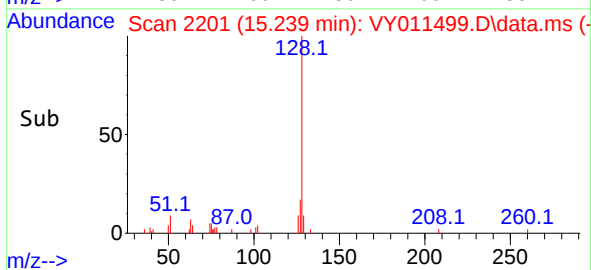
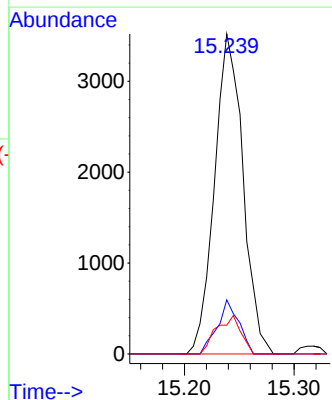
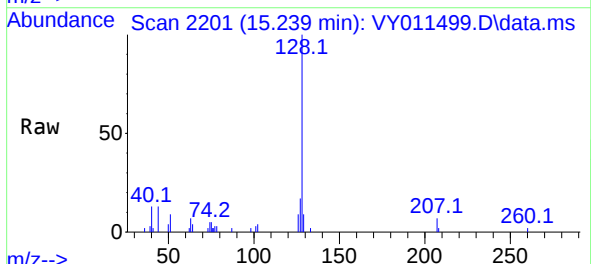


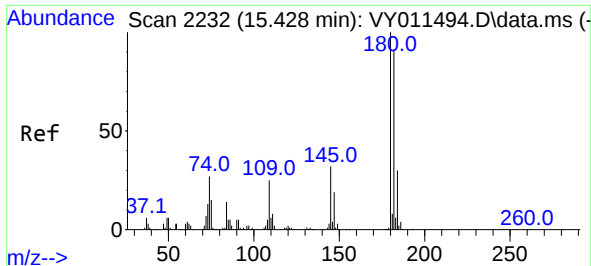
Tgt Ion: 75 Resp: 82279
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 5.047 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY011499.D
Acq: 18 Nov 2022 13:29

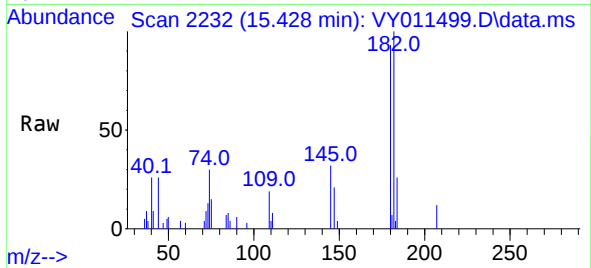
Tgt Ion: 128 Resp: 6344
Ion Ratio Lower Upper
128 100
127 12.8 11.0 16.4
129 10.3 8.4 12.6





#96
 1,2,3-Trichlorobenzene
 Concen: 1.228 ug/l
 RT: 15.428 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY011499.D
 Acq: 18 Nov 2022 13:29

Instrument :
 MSVOA_Y
 ClientSampleId :



Tgt Ion:	180	Resp:	2854
Ion	Ratio	Lower	Upper
180	100		
182	91.9	47.3	141.9
145	32.2	15.3	45.9

