

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112222\
 Data File : VY011542.D
 Acq On : 22 Nov 2022 12:54
 Operator : KP/MD
 Sample : N5735-01
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 23 04:06:44 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)

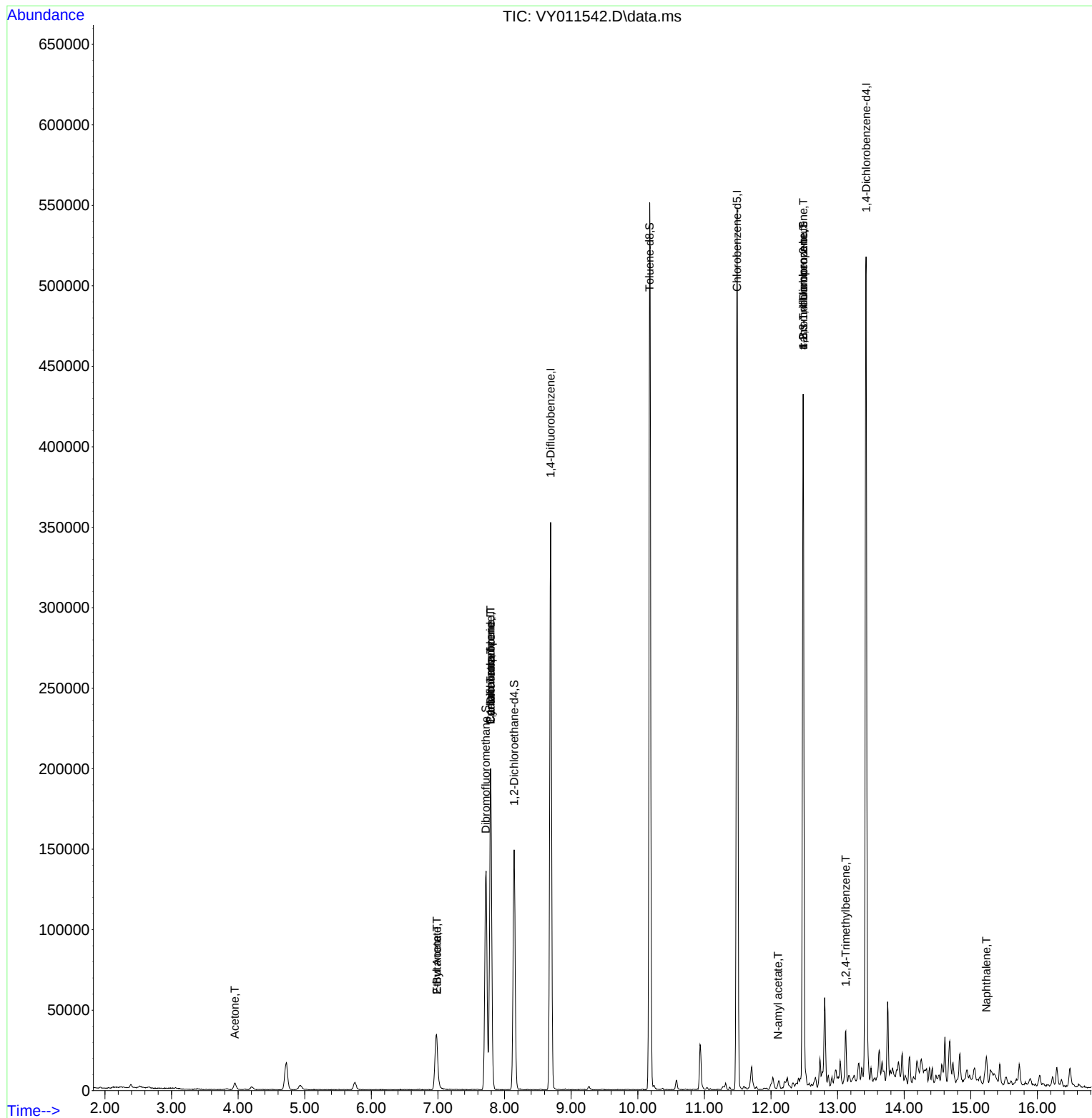
Internal Standards						
1) Pentafluorobenzene	7.789	168	147357	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	288123	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	282404	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129683	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	114555	76.561	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 153.120%	
35) Dibromofluoromethane	7.716	113	96536	54.427	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.860%	
50) Toluene-d8	10.179	98	355322	55.129	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.260%	
62) 4-Bromofluorobenzene	12.483	95	122365	51.348	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.700%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	22	Below Cal	#	43
3) Chloromethane	2.119	50	310	Below Cal	#	44
5) Bromomethane	2.668	94	352	Below Cal	#	68
11) Tert butyl alcohol	4.942	59	3106	Below Cal	#	77
16) Acetone	3.948	43	7353	15.129	ug/l #	89
18) Methyl Acetate	4.503	43	138	Below Cal	#	56
20) Methylene Chloride	4.729	84	12426	Below Cal		83
25) 2-Butanone	6.984	43	3064	4.797	ug/l #	86
31) Cyclohexane	7.789	56	3373	1.360	ug/l #	9
36) 1,1-Dichloropropene	7.789	75	11911	4.296	ug/l #	50
37) Ethyl Acetate	6.984	43	3064	1.941	ug/l #	15
38) Carbon Tetrachloride	7.789	117	15089	4.865	ug/l #	15
74) N-amyl acetate	12.105	43	2478	1.070	ug/l #	49
76) 1,2,3-Trichloropropane	12.483	75	66325	47.490	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	66325	104.020	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.123	105	16669	2.135	ug/l	100
95) Naphthalene	15.233	128	12616	6.545	ug/l	99

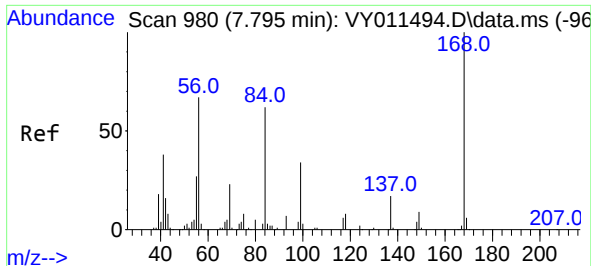
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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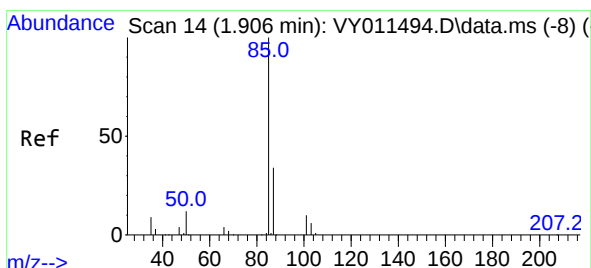
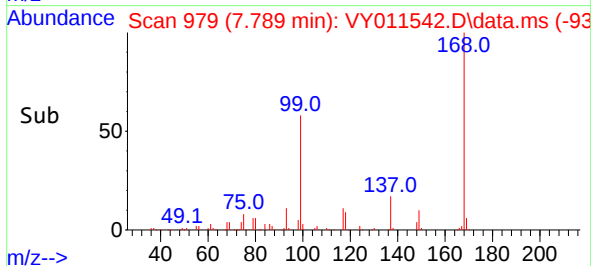
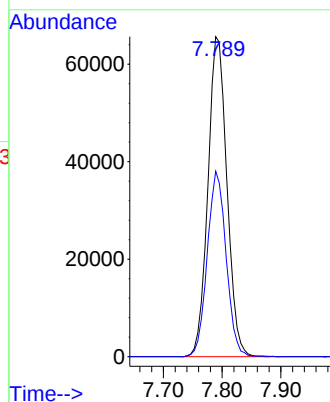
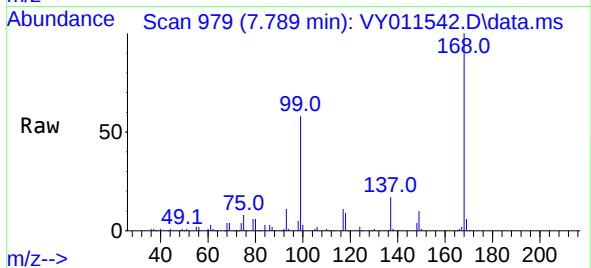




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

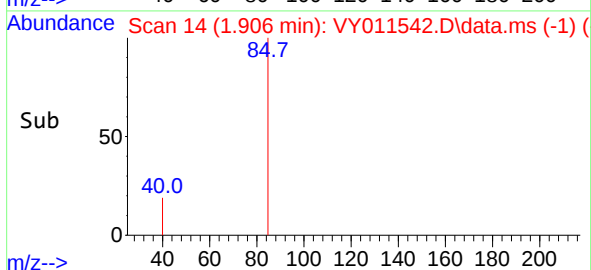
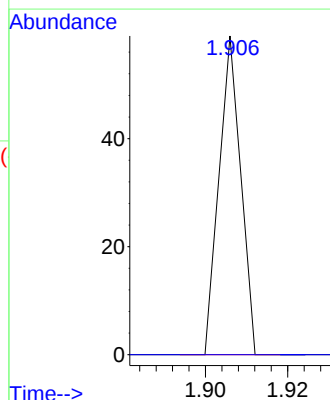
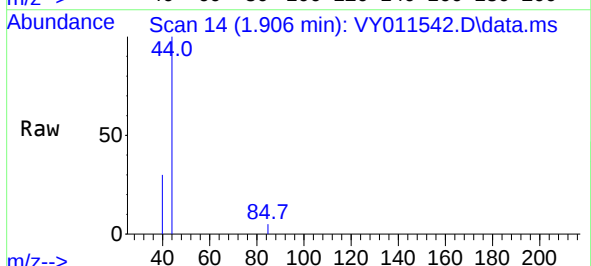
Instrument :
MSVOA_Y
ClientSampleId :

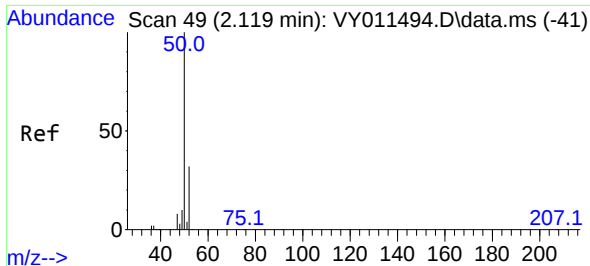
Tgt Ion:168 Resp: 147357
Ion Ratio Lower Upper
168 100
99 58.0 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion: 85 Resp: 22
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

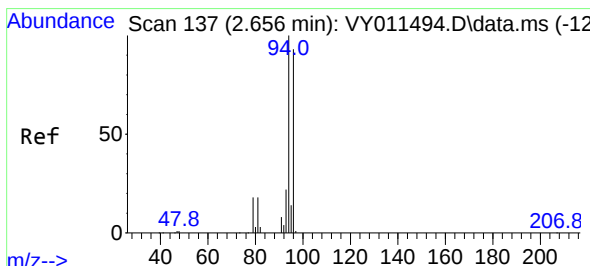
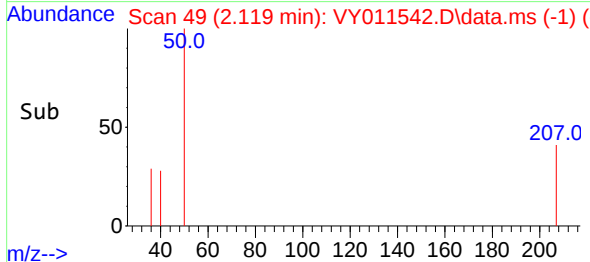
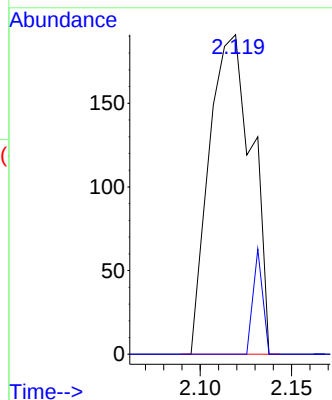
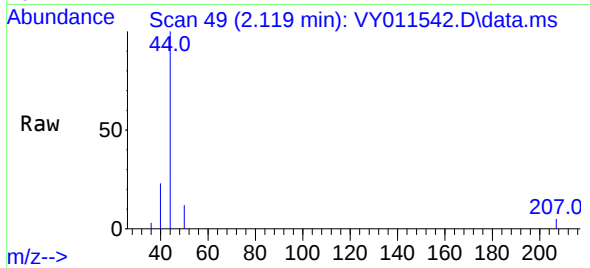




#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

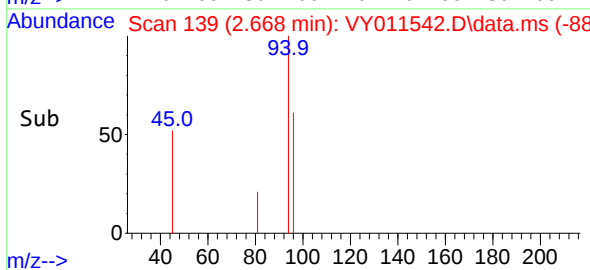
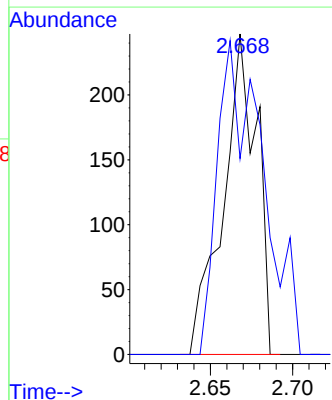
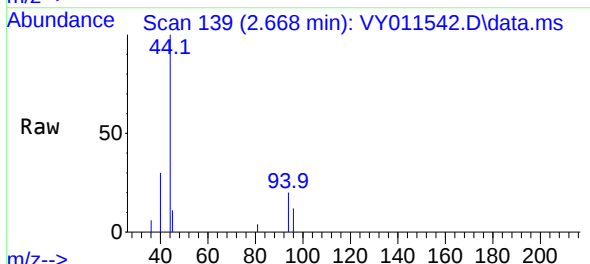
Instrument :
MSVOA_Y
ClientSampleId :

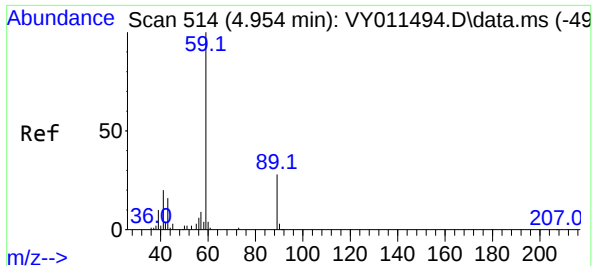
Tgt Ion: 50 Resp: 310
Ion Ratio Lower Upper
50 100
52 0.0 24.6 37.0#



#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 139
Delta R.T. 0.012 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion: 94 Resp: 352
Ion Ratio Lower Upper
94 100
96 61.1 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.942 min Scan# 51

Delta R.T. -0.012 min

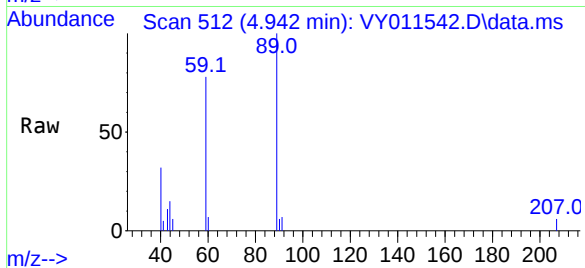
Lab File: VY011542.D

Acq: 22 Nov 2022 12:54

Instrument :

MSVOA_Y

ClientSampleId :

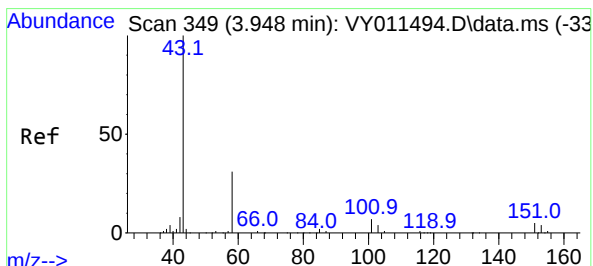
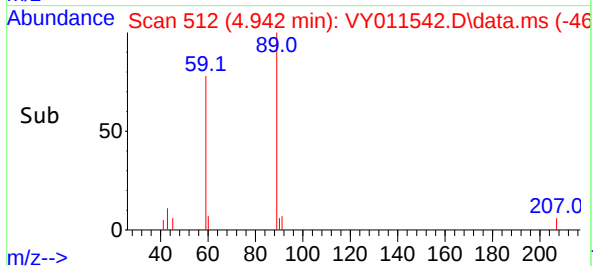
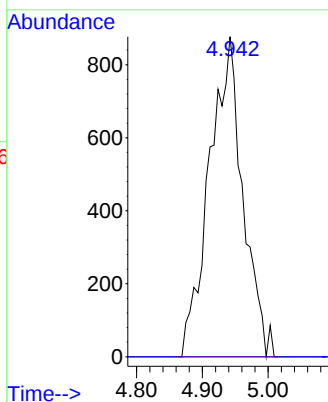


Tgt Ion: 59 Resp: 3106

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 15.129 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011542.D

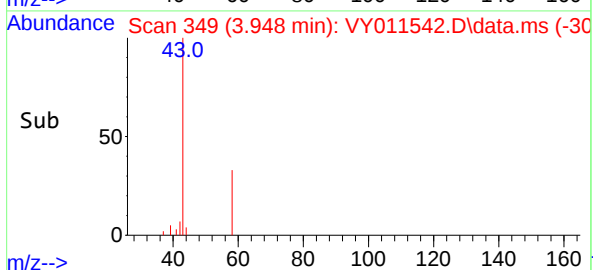
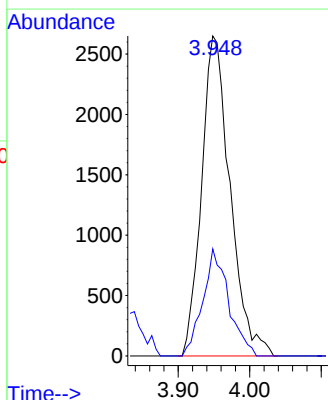
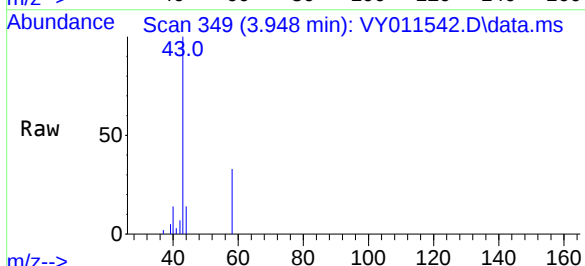
Acq: 22 Nov 2022 12:54

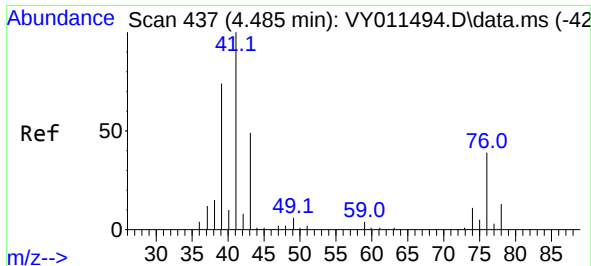
Tgt Ion: 43 Resp: 7353

Ion Ratio Lower Upper

43 100

58 33.4 22.0 33.0#

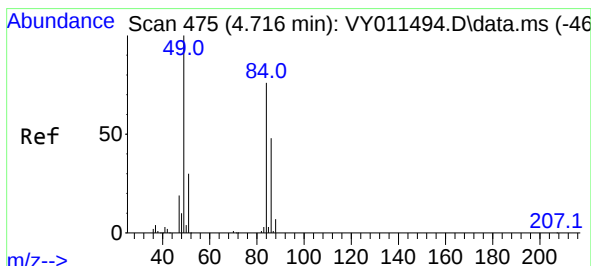
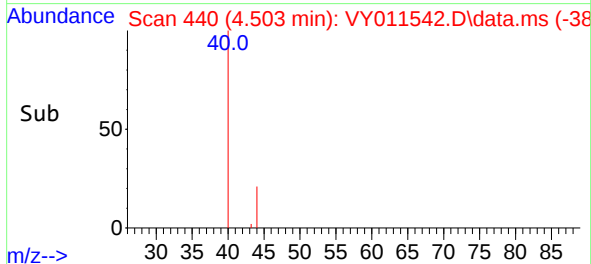
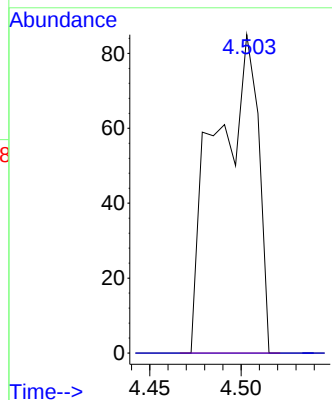
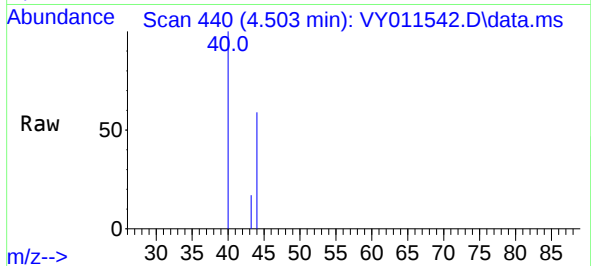




#18
Methyl Acetate
Concen: Below Cal
RT: 4.503 min Scan# 440
Delta R.T. 0.018 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

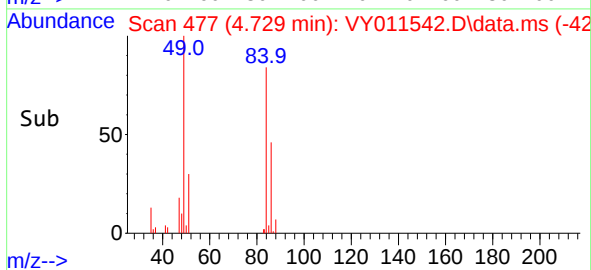
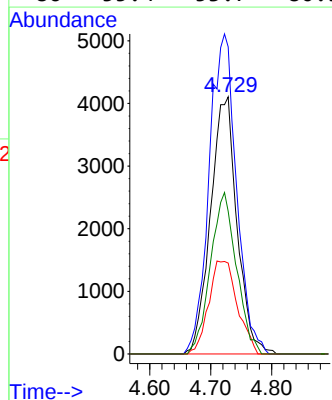
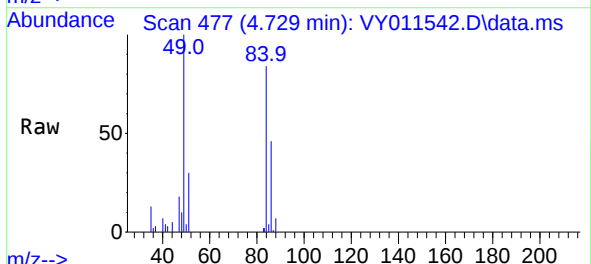
Instrument :
MSVOA_Y
ClientSampleId :

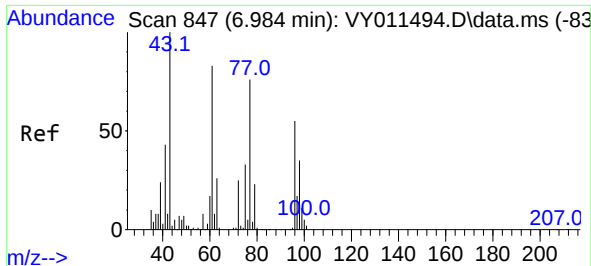
Tgt Ion: 43 Resp: 138
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.013 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion: 84 Resp: 12426
Ion Ratio Lower Upper
84 100
49 119.4 114.4 171.6
51 35.3 35.3 52.9
86 55.4 53.7 80.5

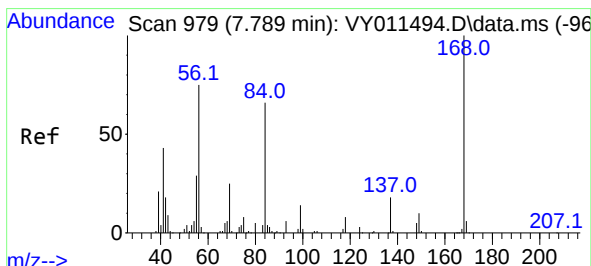
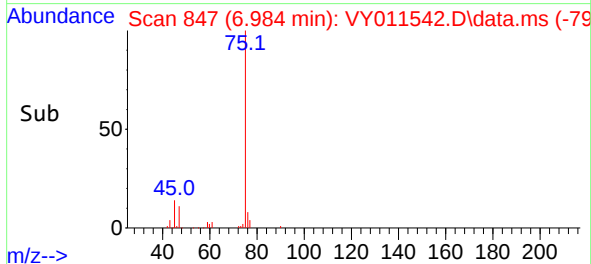
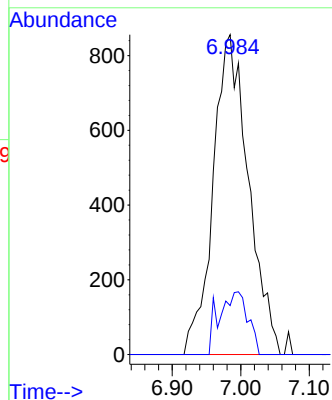
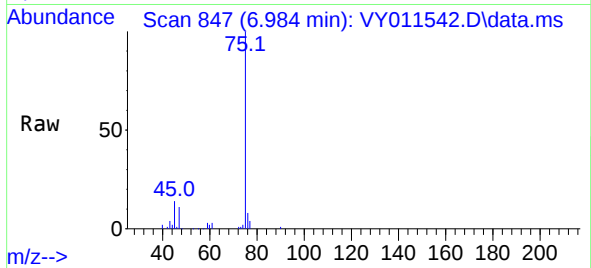




#25
2-Butanone
Concen: 4.797 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

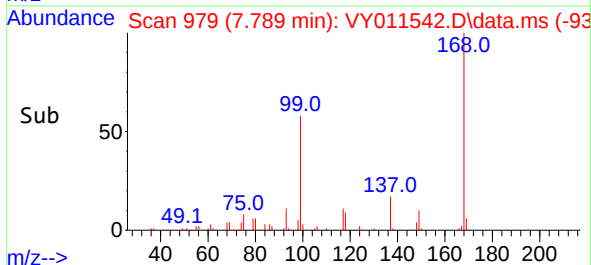
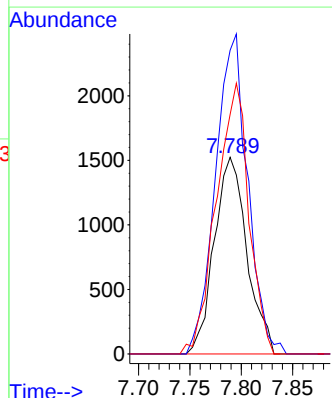
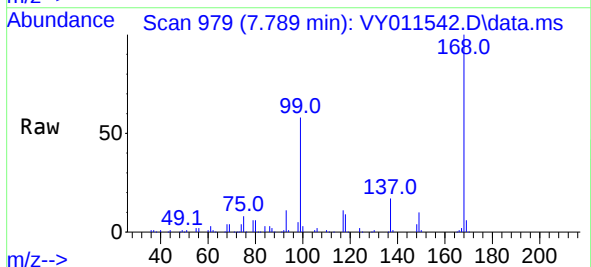
Instrument :
MSVOA_Y
ClientSampleId :

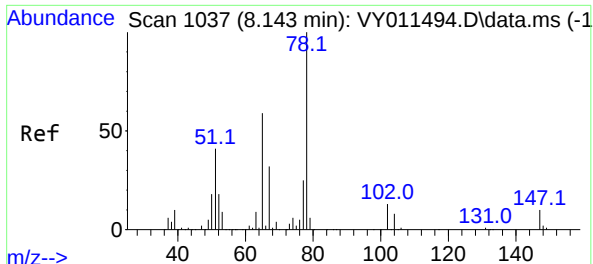
Tgt Ion: 43 Resp: 3064
Ion Ratio Lower Upper
43 100
72 15.3 17.7 26.5#



#31
Cyclohexane
Concen: 1.360 ug/l
RT: 7.789 min Scan# 979
Delta R.T. 0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion: 56 Resp: 3373
Ion Ratio Lower Upper
56 100
69 154.5 26.7 40.1#
84 121.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 76.561 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY011542.D

Acq: 22 Nov 2022 12:54

Instrument :

MSVOA_Y

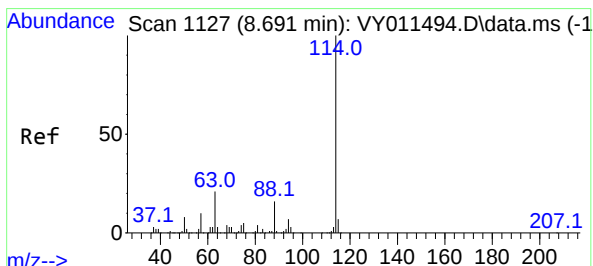
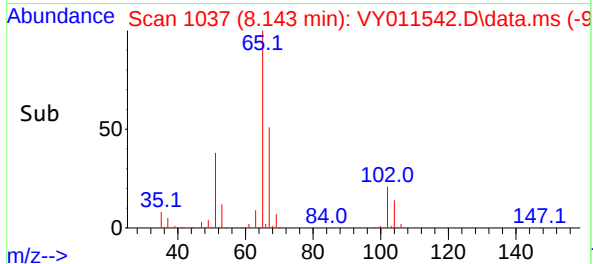
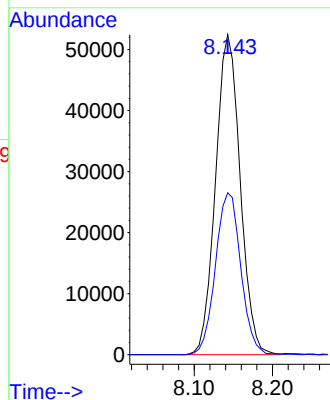
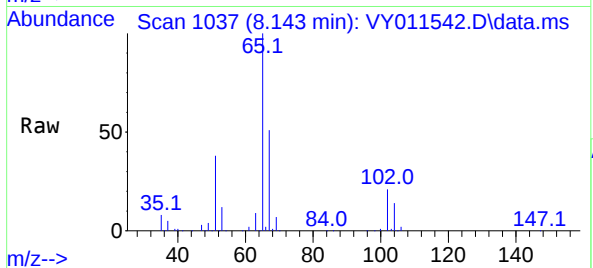
ClientSampleId :

Tgt Ion: 65 Resp: 114555

Ion Ratio Lower Upper

65 100

67 52.0 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: VY011542.D

Acq: 22 Nov 2022 12:54

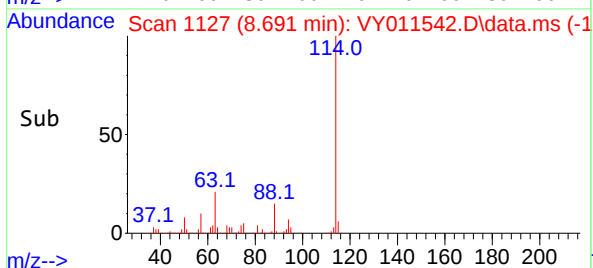
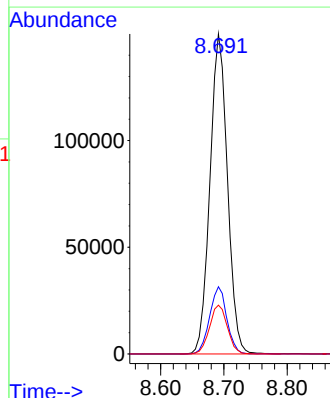
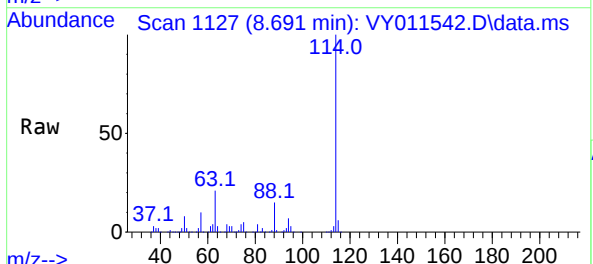
Tgt Ion: 114 Resp: 288123

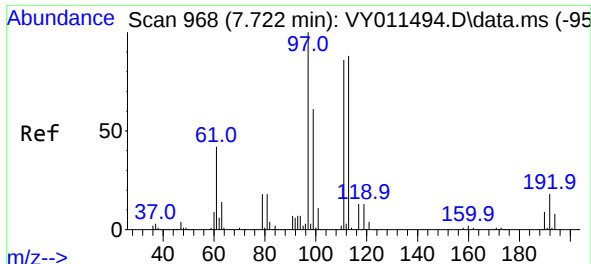
Ion Ratio Lower Upper

114 100

63 21.0 0.0 43.2

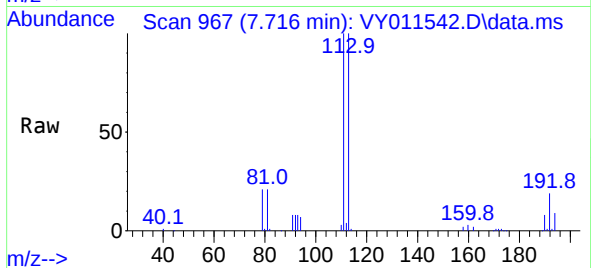
88 15.2 0.0 31.8



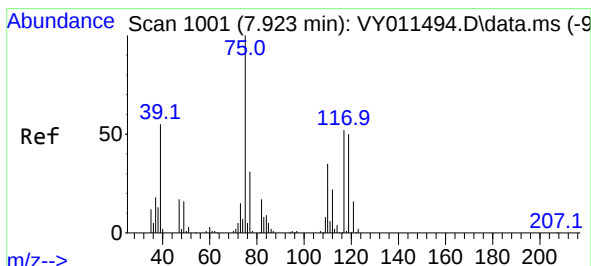
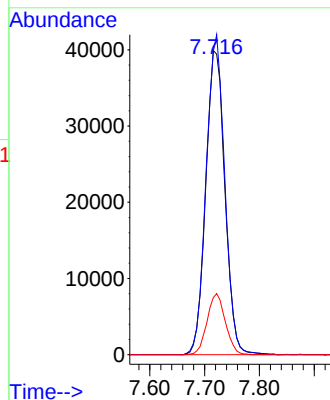
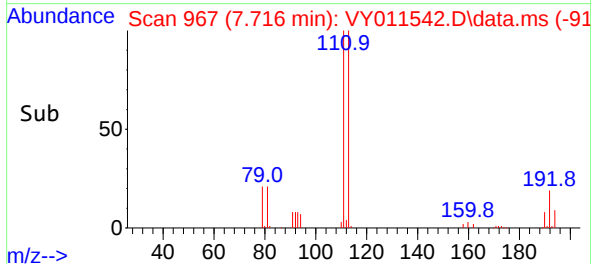


#35
Dibromofluoromethane
Concen: 54.427 ug/l
RT: 7.716 min Scan# 911
Delta R.T. -0.006 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Instrument :
MSVOA_Y
ClientSampleId :

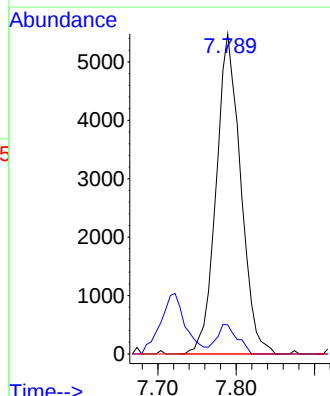
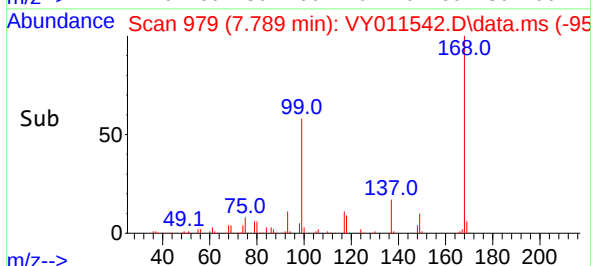
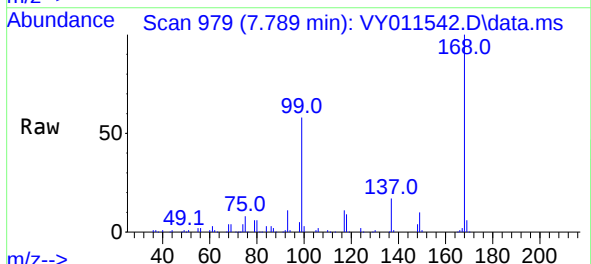


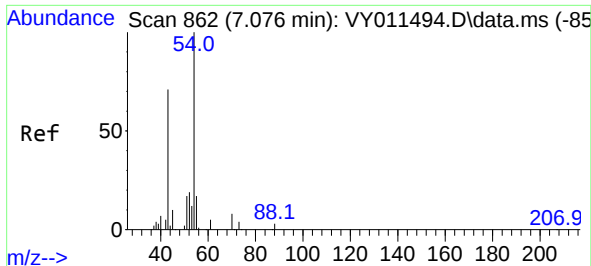
Tgt Ion:113 Resp: 96536
Ion Ratio Lower Upper
113 100
111 102.7 82.6 124.0
192 19.1 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.296 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion: 75 Resp: 11911
Ion Ratio Lower Upper
75 100
110 8.0 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.941 ug/l

RT: 6.984 min Scan# 84

Delta R.T. -0.092 min

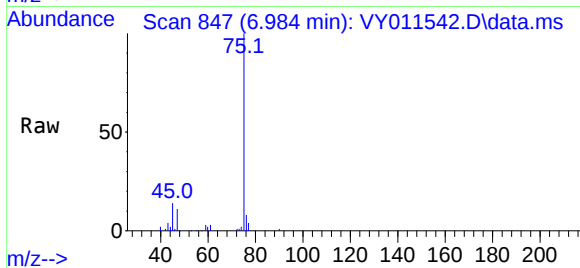
Lab File: VY011542.D

Acq: 22 Nov 2022 12:54

Instrument :

MSVOA_Y

ClientSampleId :



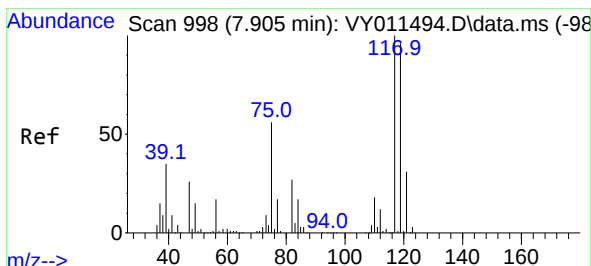
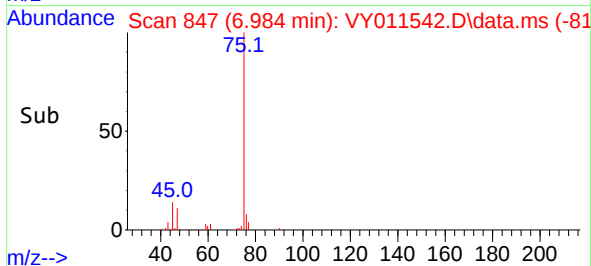
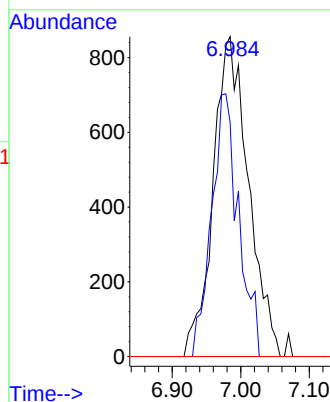
Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

43 100

61 62.5 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.865 ug/l

RT: 7.789 min Scan# 979

Delta R.T. -0.116 min

Lab File: VY011542.D

Acq: 22 Nov 2022 12:54

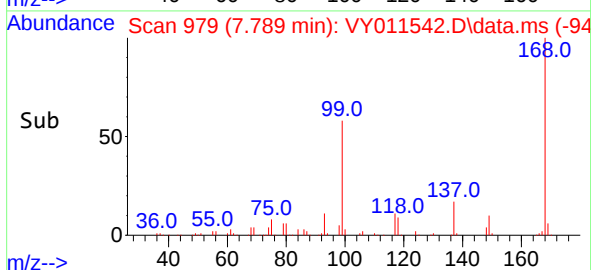
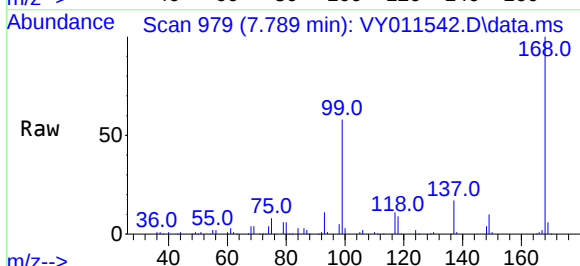
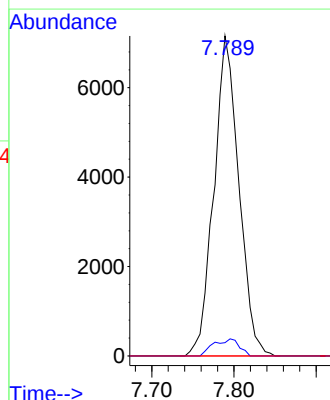
Tgt Ion: 117 Resp: 15089

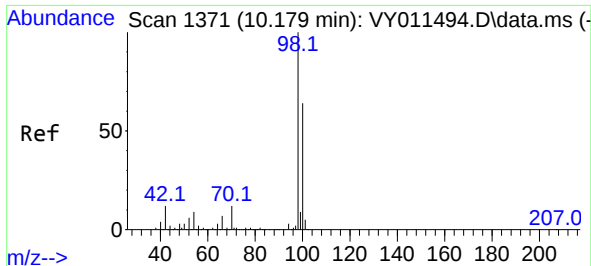
Ion Ratio Lower Upper

117 100

119 4.2 77.9 116.9#

121 0.0 24.8 37.2#

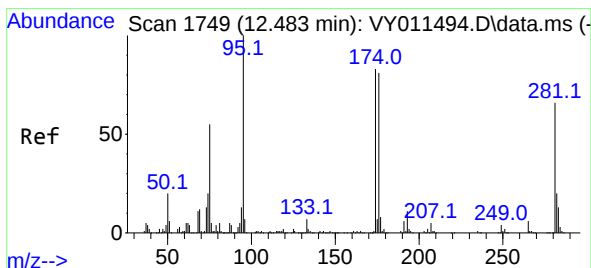
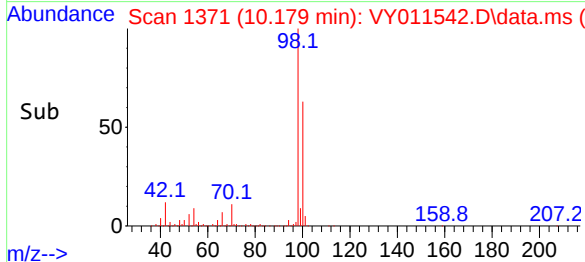
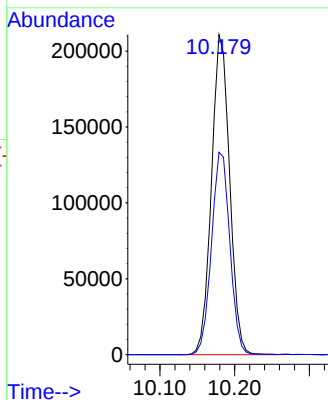
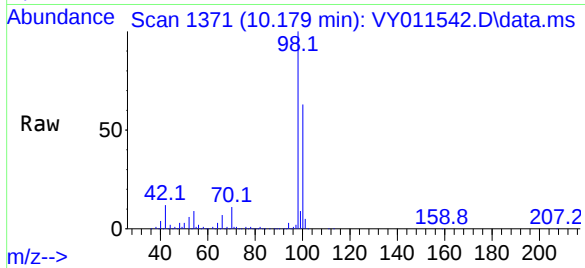




#50
Toluene-d8
Concen: 55.129 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

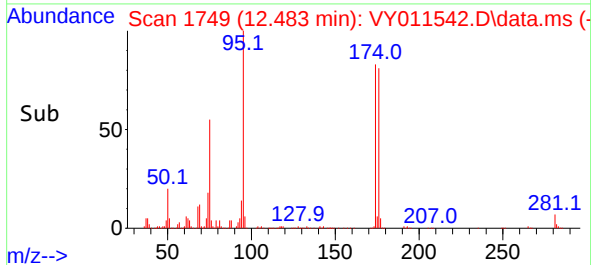
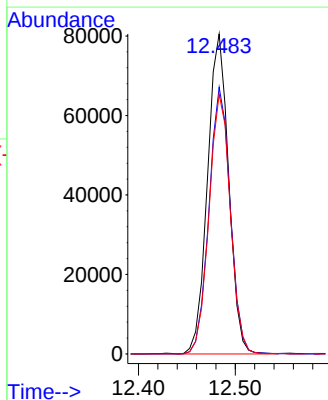
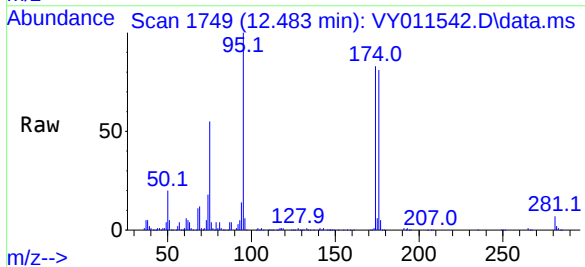
Instrument :
MSVOA_Y
ClientSampleId :

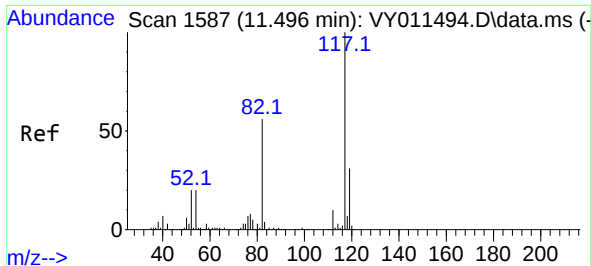
Tgt Ion: 98 Resp: 355322
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 51.348 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

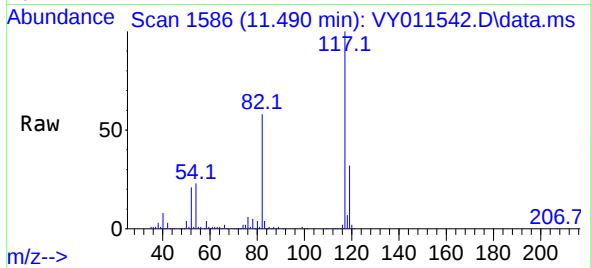
Tgt Ion: 95 Resp: 122365
Ion Ratio Lower Upper
95 100
174 83.7 0.0 177.0
176 81.7 0.0 175.8



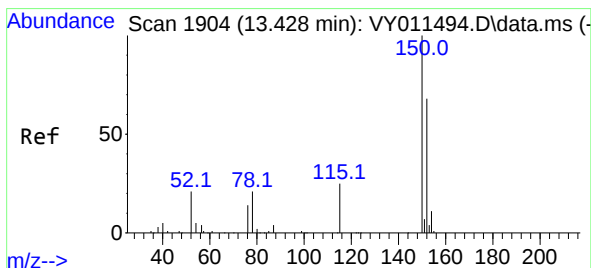
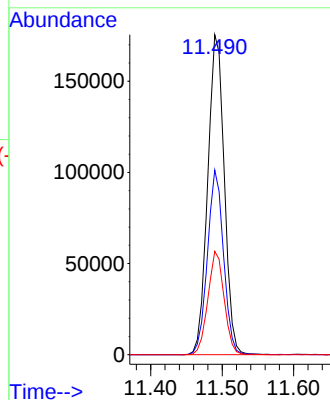
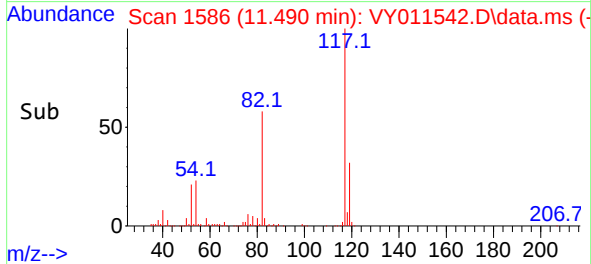


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Instrument :
MSVOA_Y
ClientSampleId :

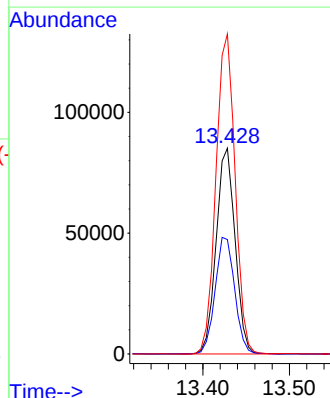
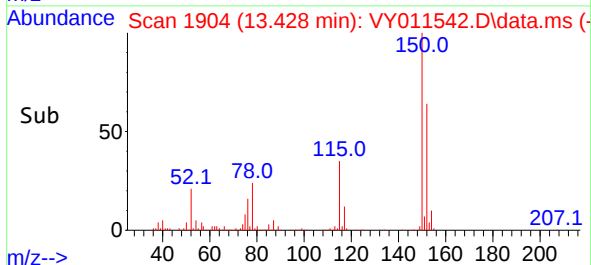
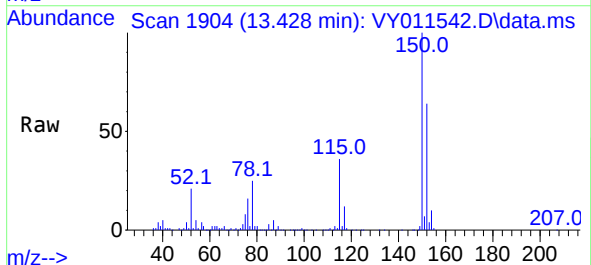


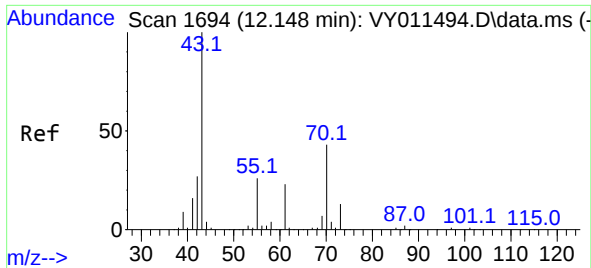
Tgt Ion:117 Resp: 282404
Ion Ratio Lower Upper
117 100
82 57.7 43.0 64.4
119 32.3 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion:152 Resp: 129683
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 156.5 0.0 347.6

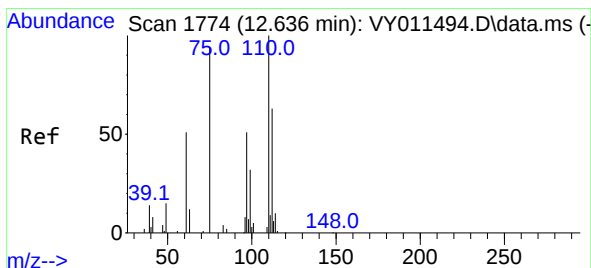
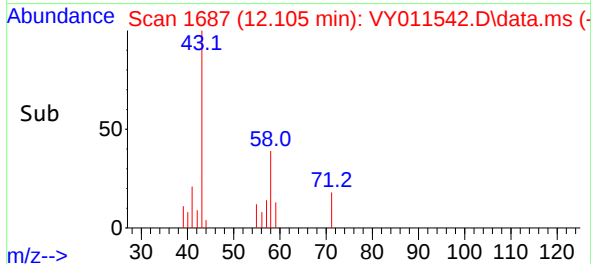
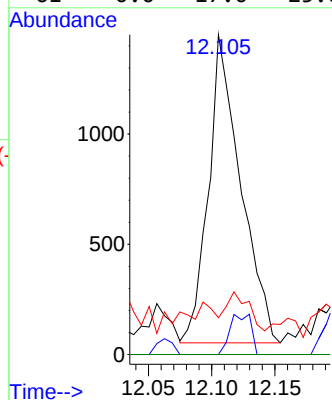
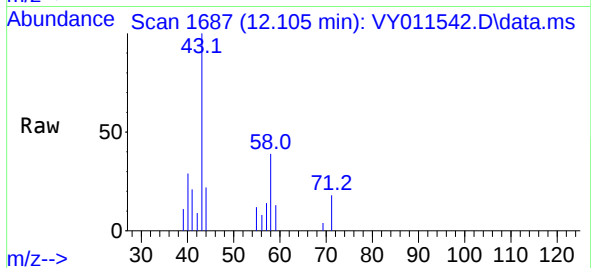




#74
N-amy1 acetate
Concen: 1.070 ug/l
RT: 12.105 min Scan# 1
Delta R.T. -0.043 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

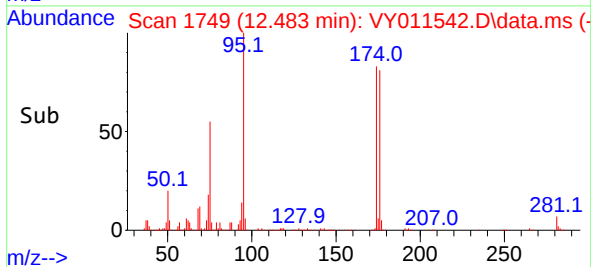
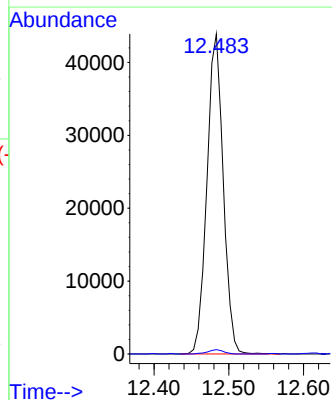
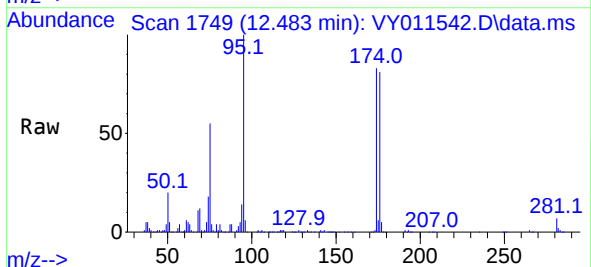
Instrument :
MSVOA_Y
ClientSampleId :

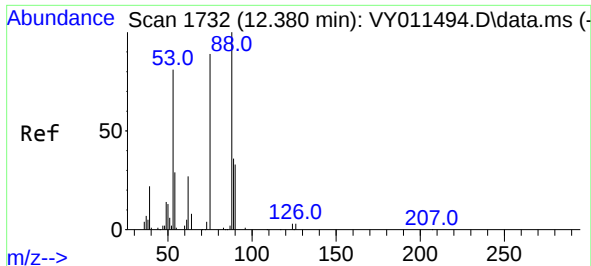
Tgt Ion:	43	Resp:	2478
Ion	Ratio	Lower	Upper
43	100		
70	0.0	28.7	43.1#
55	2.0	17.3	25.9#
61	0.0	17.0	25.6#



#76
1,2,3-Trichloropropane
Concen: 47.490 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Tgt Ion:	75	Resp:	66325
Ion	Ratio	Lower	Upper
75	100		
77	1.3	0.0	0.0#

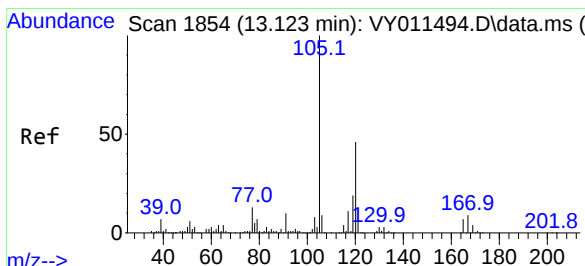
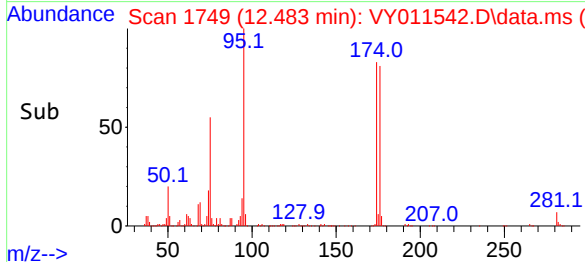
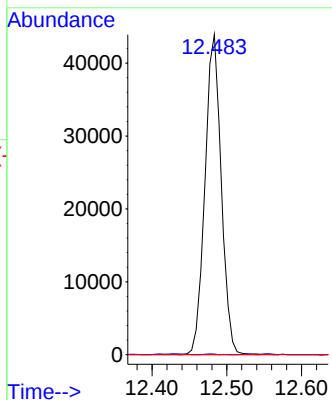
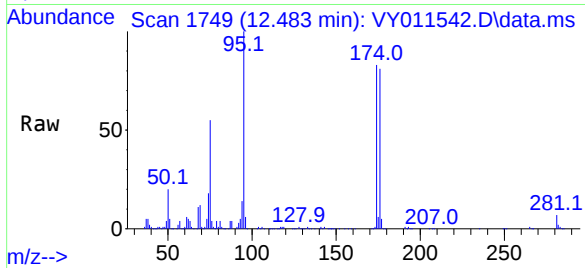




#81
trans-1,4-Dichloro-2-butene
Concen: 104.020 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

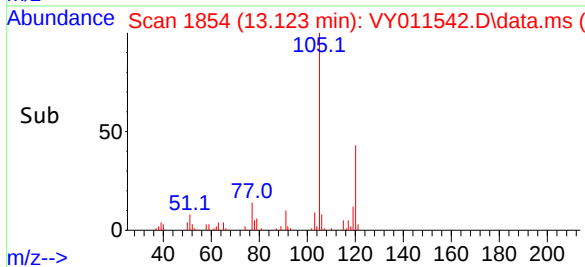
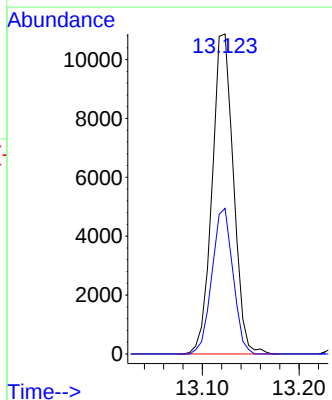
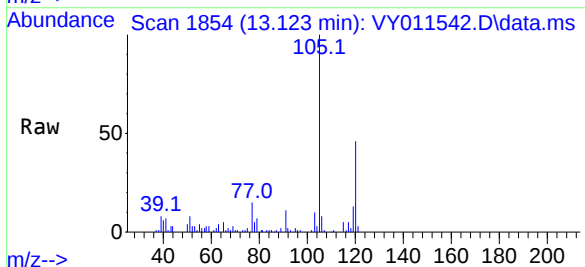
Instrument :
MSVOA_Y
ClientSampleId :

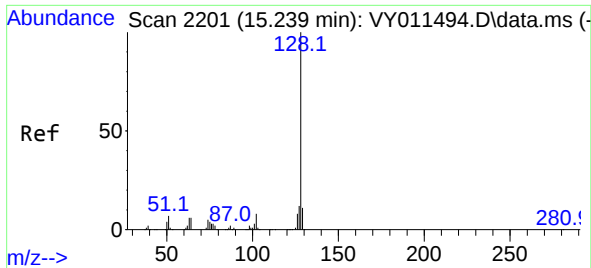
Tgt Ion: 75 Resp: 66325
Ion Ratio Lower Upper
75 100
53 0.2 85.3 127.9#
89 0.0 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 2.135 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

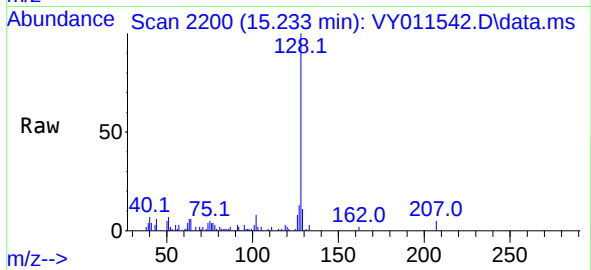
Tgt Ion:105 Resp: 16669
Ion Ratio Lower Upper
105 100
120 44.7 22.3 66.9





#95
Naphthalene
Concen: 6.545 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY011542.D
Acq: 22 Nov 2022 12:54

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:	128	Resp:	12616
Ion	Ratio	Lower	Upper
128	100		
127	14.1	11.0	16.4
129	11.2	8.4	12.6

