

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY112322\
 Data File : VY011564.D
 Acq On : 23 Nov 2022 10:46
 Operator : KP/MD
 Sample : VY1123SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Nov 24 00:36:26 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)

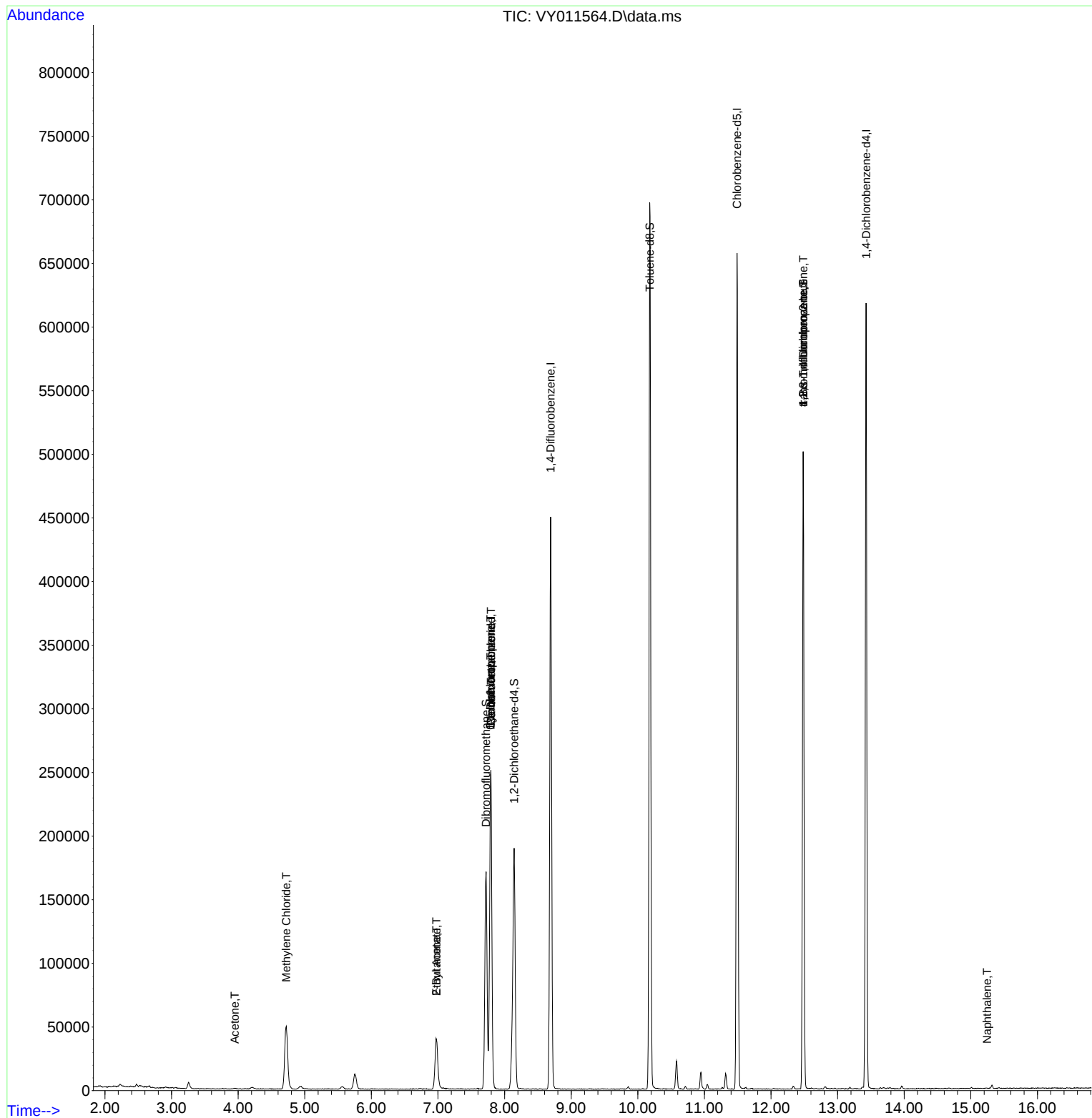
Internal Standards						
1) Pentafluorobenzene	7.795	168	193876	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	368353	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350138	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	151617	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	132946	67.533	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 135.060%	
35) Dibromofluoromethane	7.722	113	119709	52.792	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 105.580%	
50) Toluene-d8	10.179	98	453839	55.077	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.160%	
62) 4-Bromofluorobenzene	12.483	95	145190	47.656	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 95.320%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	698	Below Cal		95
3) Chloromethane	2.119	50	351	Below Cal	#	79
5) Bromomethane	2.668	94	334	Below Cal	#	73
11) Tert butyl alcohol	4.948	59	2422	Below Cal	#	77
16) Acetone	3.948	43	1232	1.927 ug/l	#	81
18) Methyl Acetate	4.497	43	140	Below Cal	#	56
20) Methylene Chloride	4.722	84	36438	5.632 ug/l		94
25) 2-Butanone	6.978	43	2291	2.726 ug/l		93
31) Cyclohexane	7.789	56	4450	1.364 ug/l	#	1
36) 1,1-Dichloropropene	7.789	75	15813	4.461 ug/l	#	50
37) Ethyl Acetate	6.978	43	2291	1.135 ug/l	#	1
38) Carbon Tetrachloride	7.795	117	19617	4.947 ug/l	#	16
76) 1,2,3-Trichloropropane	12.483	75	77747	47.615 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.483	75	77747	104.294 ug/l	#	7
95) Naphthalene	15.245	128	687	4.138 ug/l	#	69

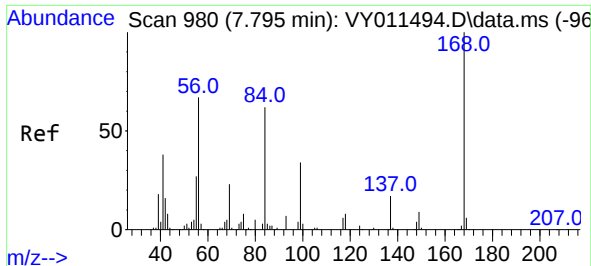
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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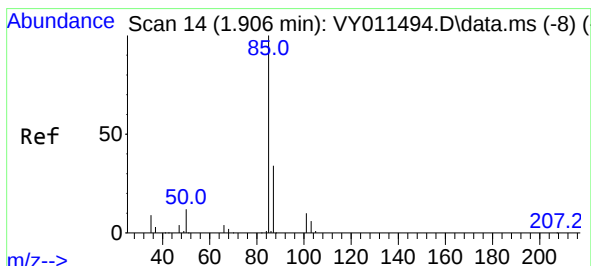
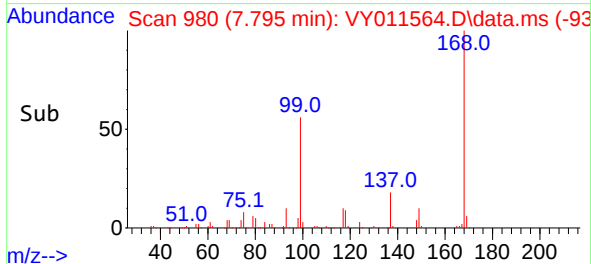
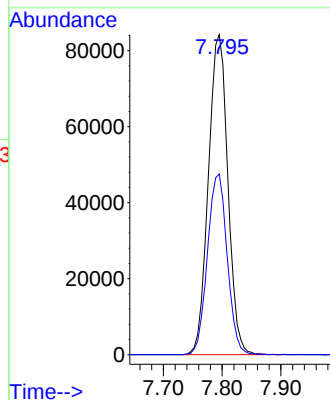
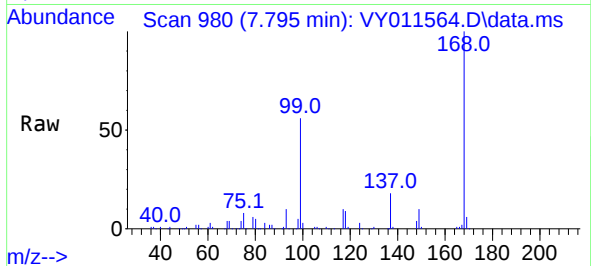




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

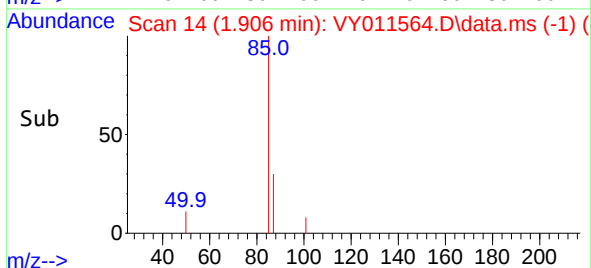
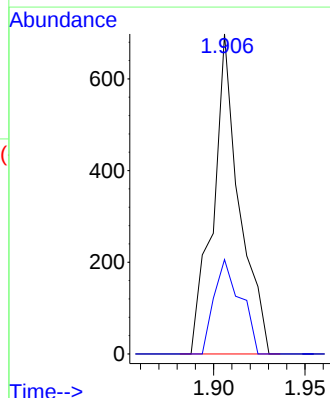
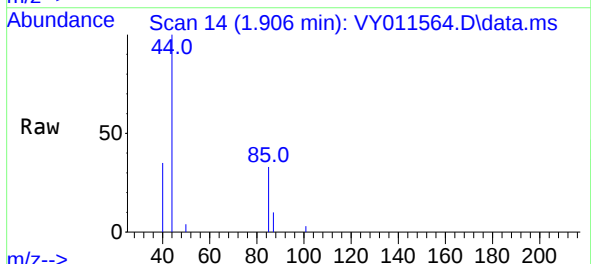
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 193876
Ion Ratio Lower Upper
168 100
99 56.4 46.9 70.3

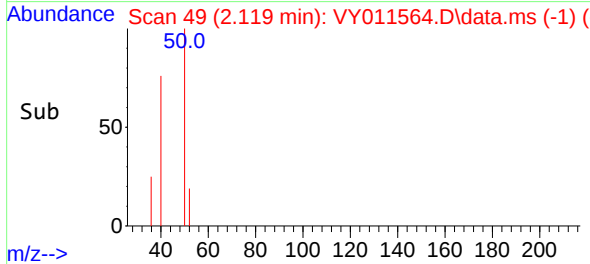
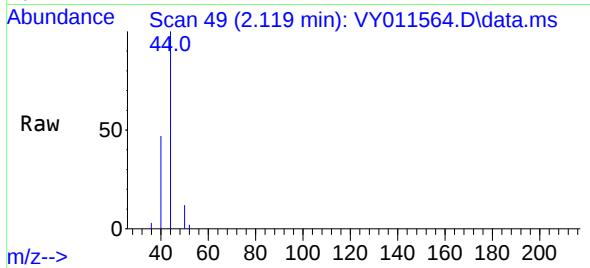
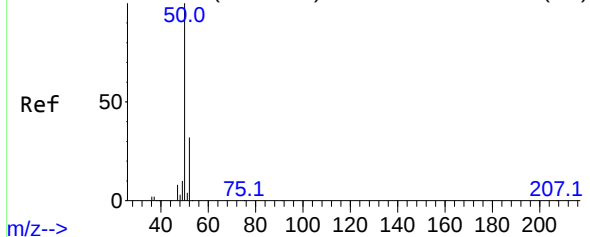


#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

Tgt Ion: 85 Resp: 698
Ion Ratio Lower Upper
85 100
87 29.5 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: VY011564.D

Acq: 23 Nov 2022 10:46

Instrument :

MSVOA_Y

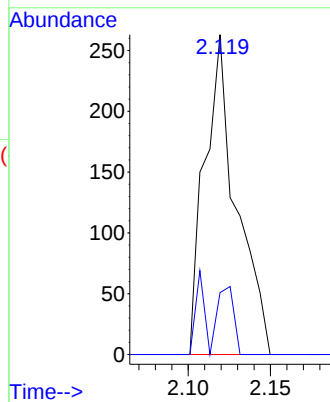
ClientSampleId :

Tgt Ion: 50 Resp: 351

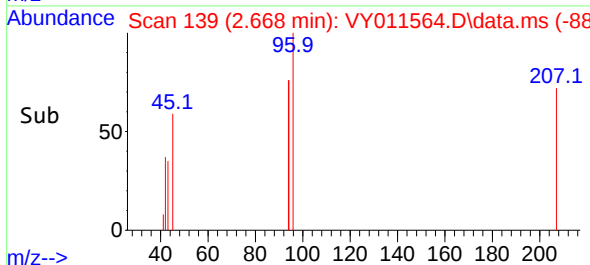
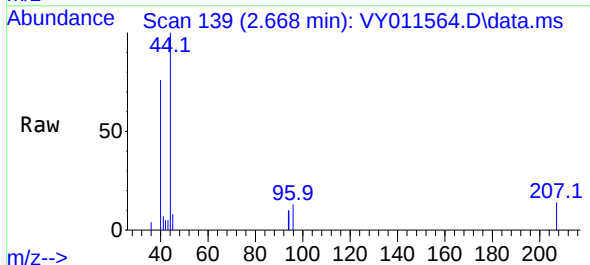
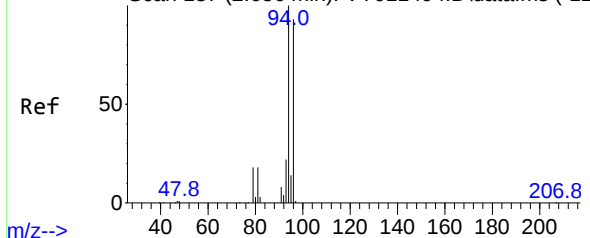
Ion Ratio Lower Upper

50 100

52 19.4 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: VY011564.D

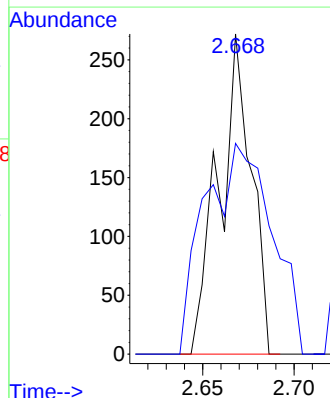
Acq: 23 Nov 2022 10:46

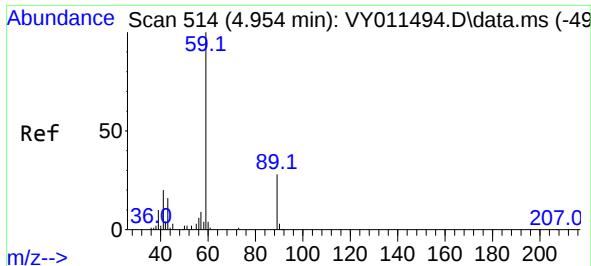
Tgt Ion: 94 Resp: 334

Ion Ratio Lower Upper

94 100

96 65.8 73.5 110.3#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.948 min Scan# 514

Delta R.T. -0.006 min

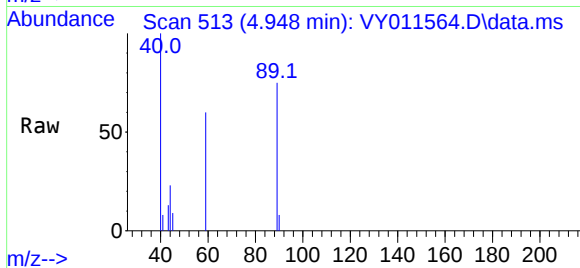
Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

Instrument :

MSVOA_Y

ClientSampleId :

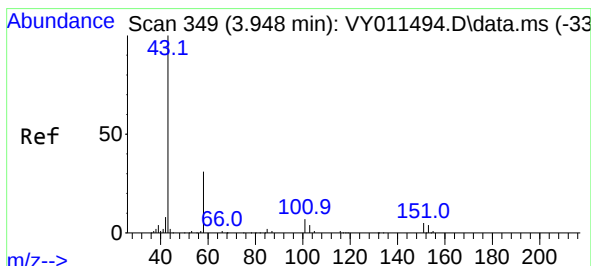
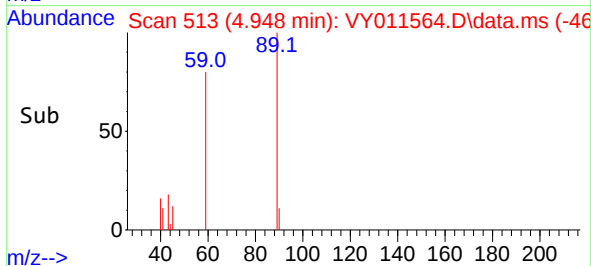
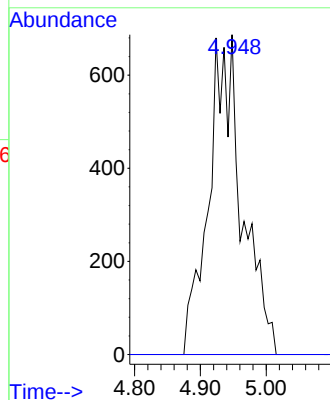


Tgt Ion: 59 Resp: 2422

Ion Ratio Lower Upper

59 100

57 0.0 6.4 9.6#



#16

Acetone

Concen: 1.927 ug/l

RT: 3.948 min Scan# 349

Delta R.T. 0.000 min

Lab File: VY011564.D

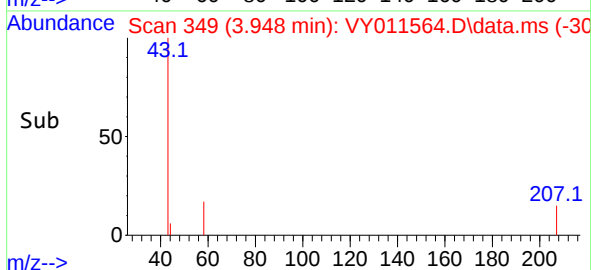
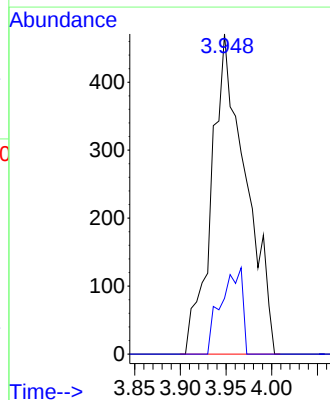
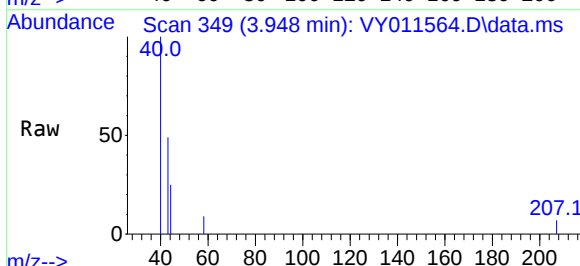
Acq: 23 Nov 2022 10:46

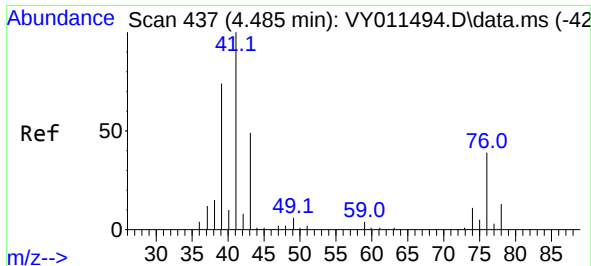
Tgt Ion: 43 Resp: 1232

Ion Ratio Lower Upper

43 100

58 17.4 22.0 33.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.497 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

Instrument :

MSVOA_Y

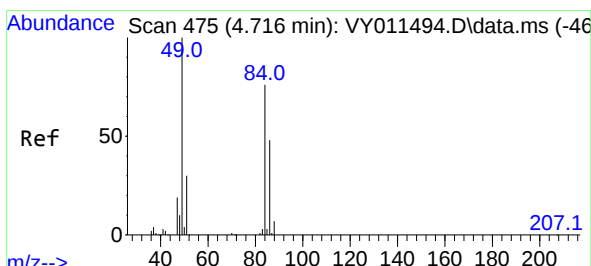
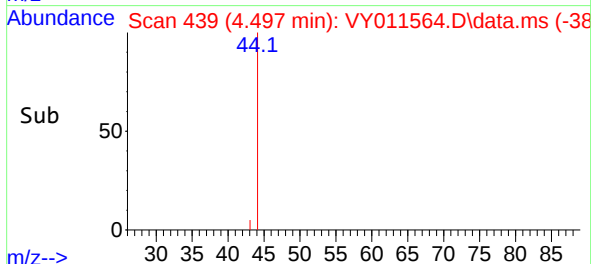
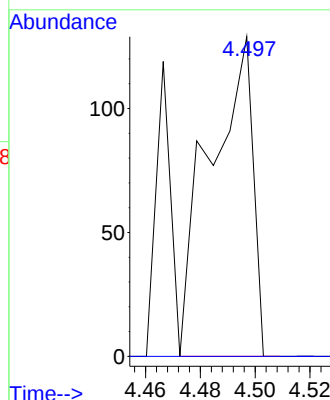
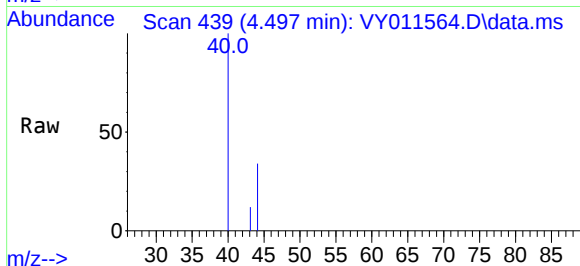
ClientSampleId :

Tgt Ion: 43 Resp: 140

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#20

Methylene Chloride

Concen: 5.632 ug/l

RT: 4.722 min Scan# 476

Delta R.T. 0.006 min

Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

Tgt Ion: 84 Resp: 36438

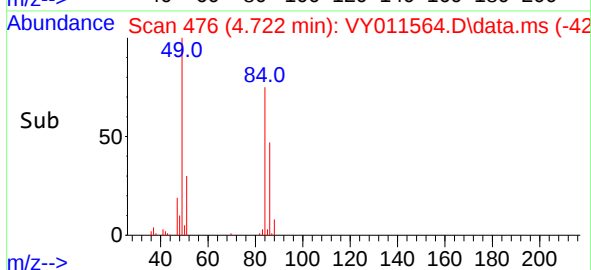
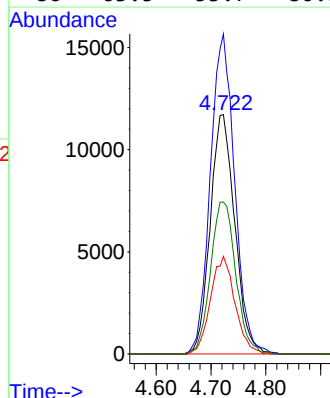
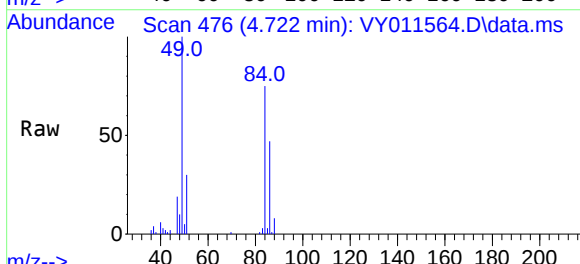
Ion Ratio Lower Upper

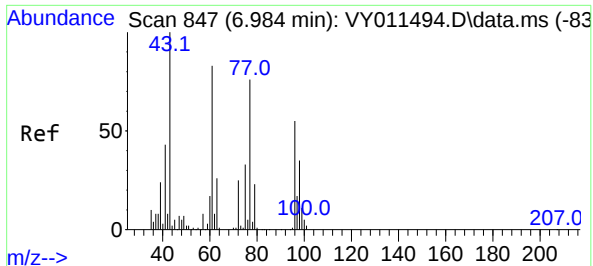
84 100

49 133.7 114.4 171.6

51 40.8 35.3 52.9

86 63.5 53.7 80.5





#25

2-Butanone

Concen: 2.726 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.006 min

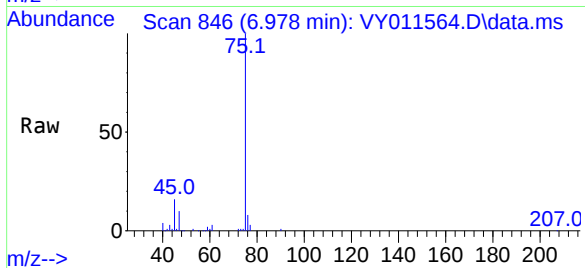
Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

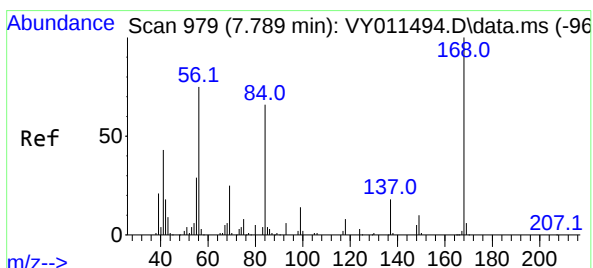
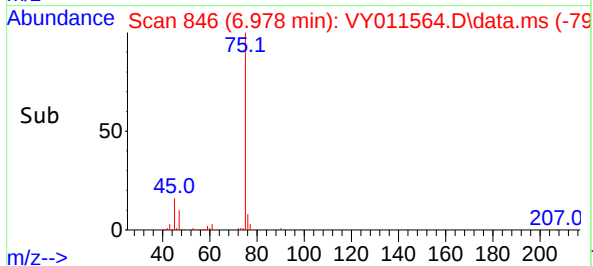
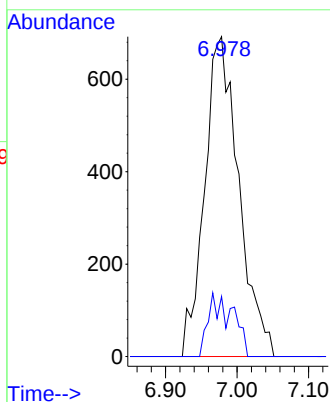
Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion: 43	Resp: 2291
Ion Ratio	Lower Upper
43	100
72	18.8 17.7 26.5



#31

Cyclohexane

Concen: 1.364 ug/l

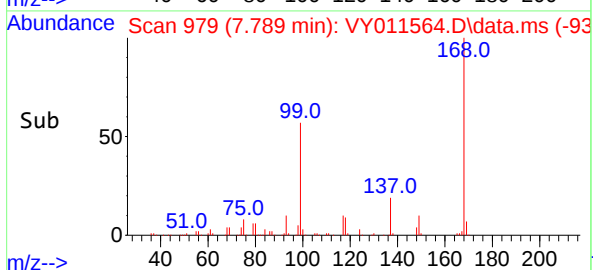
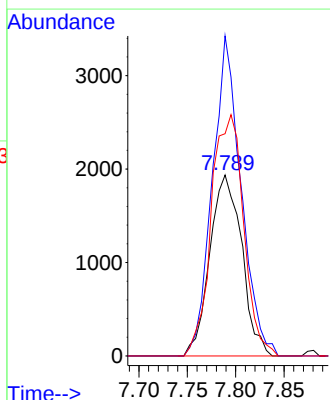
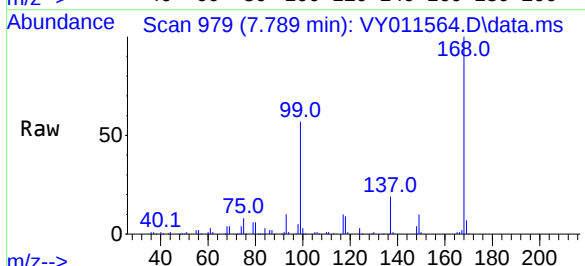
RT: 7.789 min Scan# 979

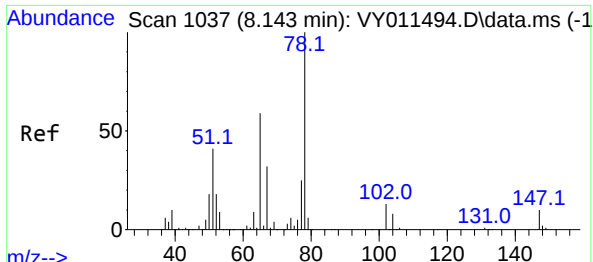
Delta R.T. 0.000 min

Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

Tgt Ion: 56	Resp: 4450
Ion Ratio	Lower Upper
56	100
69	176.8 26.7 40.1#
84	122.8 67.2 100.8#

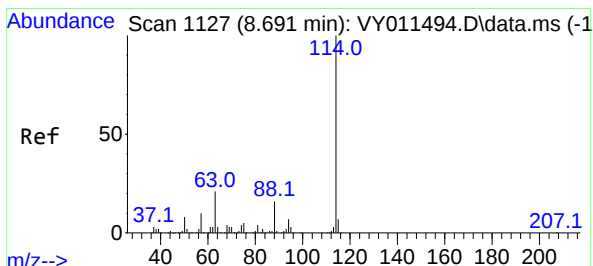
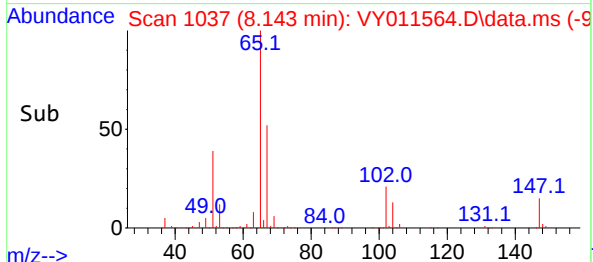
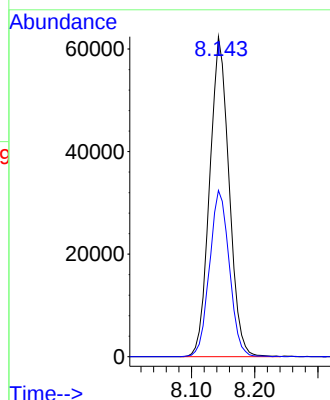
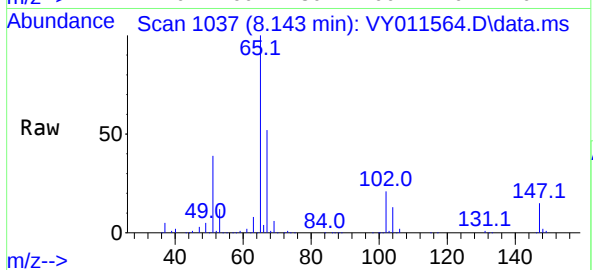




#33
 1,2-Dichloroethane-d4
 Concen: 67.533 ug/l
 RT: 8.143 min Scan# 1037
 Delta R.T. -0.000 min
 Lab File: VY011564.D
 Acq: 23 Nov 2022 10:46

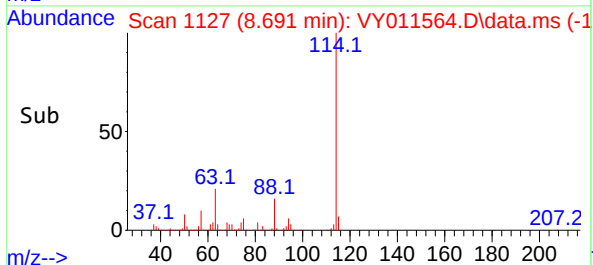
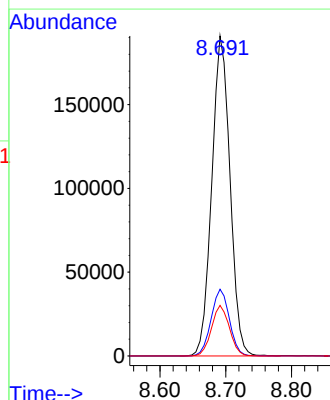
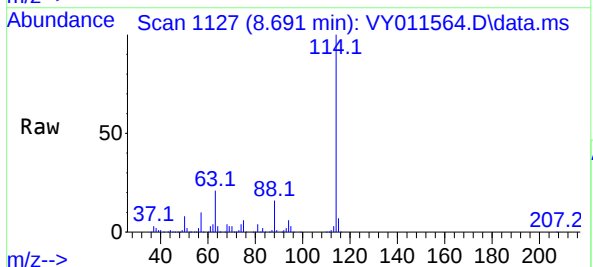
Instrument :
 MSVOA_Y
 ClientSampleId :

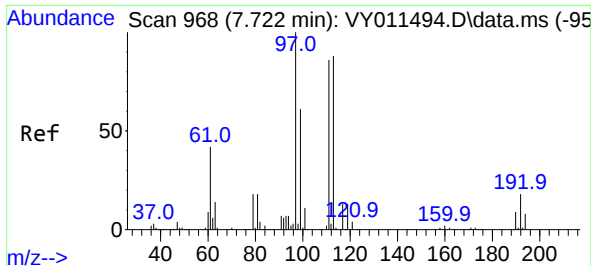
Tgt Ion: 65 Resp: 132946
 Ion Ratio Lower Upper
 65 100
 67 52.9 0.0 99.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY011564.D
 Acq: 23 Nov 2022 10:46

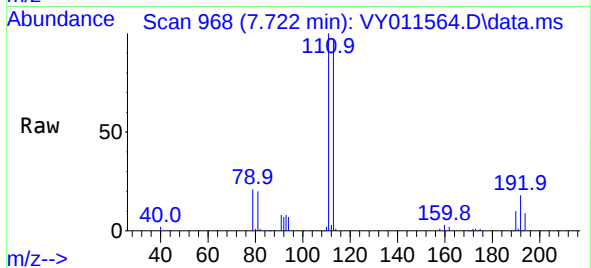
Tgt Ion: 114 Resp: 368353
 Ion Ratio Lower Upper
 114 100
 63 20.9 0.0 43.2
 88 15.8 0.0 31.8



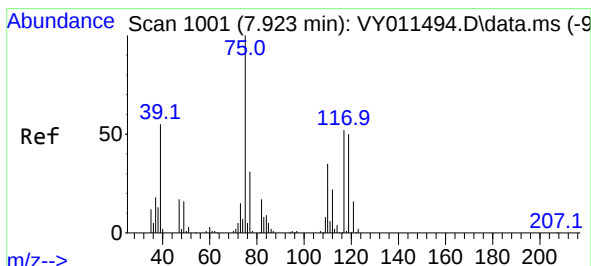
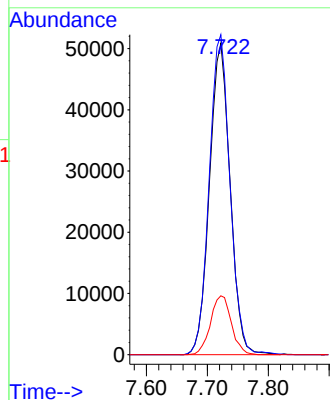
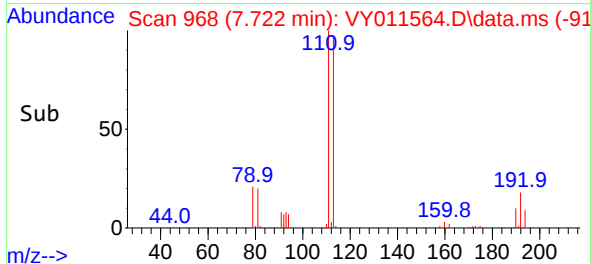


#35
Dibromofluoromethane
Concen: 52.792 ug/l
RT: 7.722 min Scan# 911
Delta R.T. -0.000 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

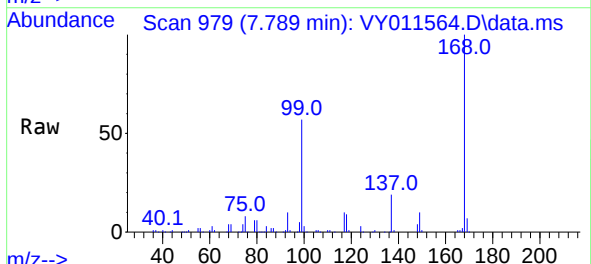
Instrument :
MSVOA_Y
ClientSampleId :



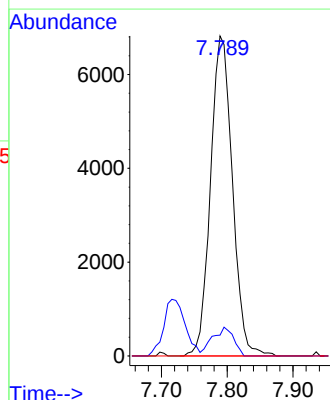
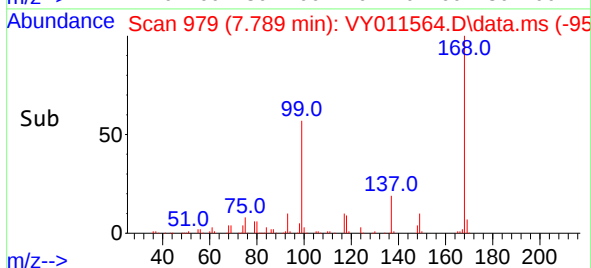
Tgt Ion:113 Resp: 119709
Ion Ratio Lower Upper
113 100
111 103.3 82.6 124.0
192 19.1 17.6 26.4

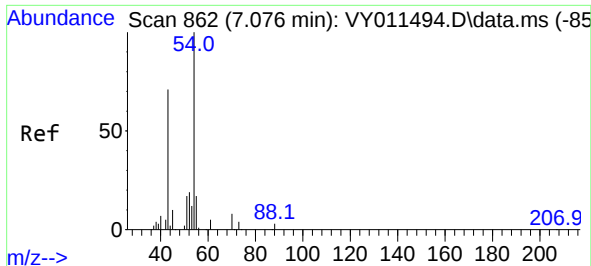


#36
1,1-Dichloropropene
Concen: 4.461 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46



Tgt Ion: 75 Resp: 15813
Ion Ratio Lower Upper
75 100
110 8.7 17.1 51.2#
77 0.0 24.4 36.6#





#37

Ethyl Acetate

Concen: 1.135 ug/l

RT: 6.978 min Scan# 84

Delta R.T. -0.098 min

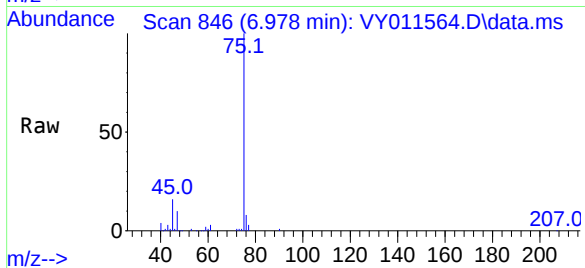
Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

Instrument :

MSVOA_Y

ClientSampleId :



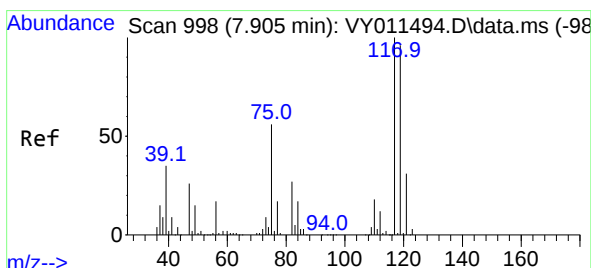
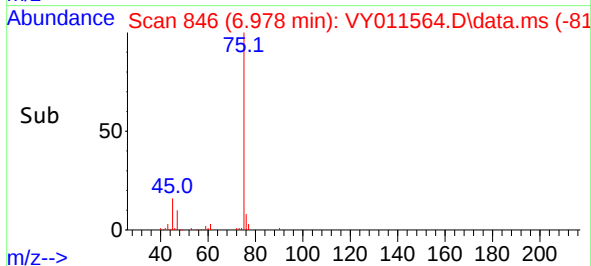
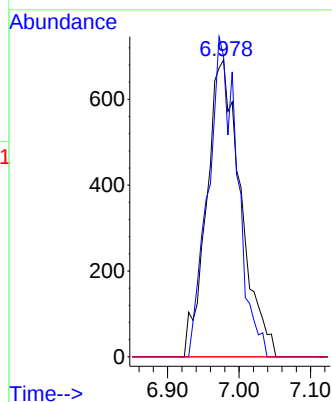
Tgt Ion: 43 Resp: 2291

Ion Ratio Lower Upper

43 100

61 92.0 9.7 14.5#

70 0.0 7.1 10.7#



#38

Carbon Tetrachloride

Concen: 4.947 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.110 min

Lab File: VY011564.D

Acq: 23 Nov 2022 10:46

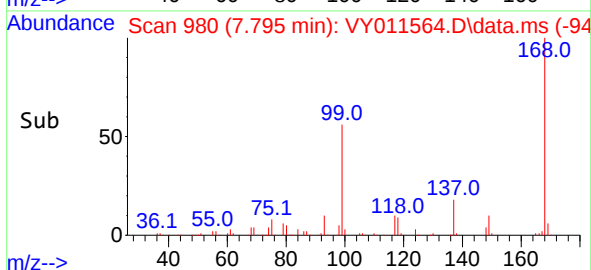
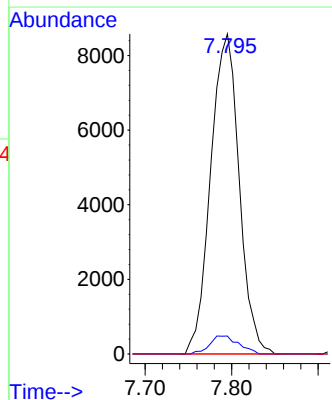
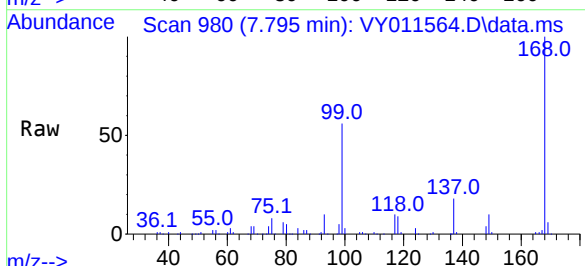
Tgt Ion: 117 Resp: 19617

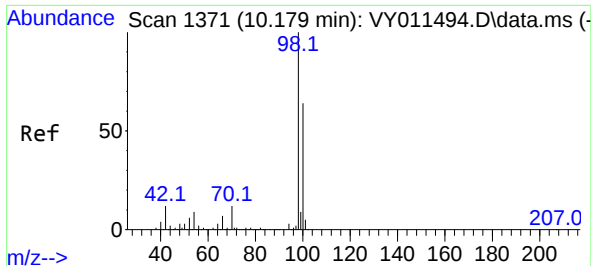
Ion Ratio Lower Upper

117 100

119 5.6 77.9 116.9#

121 0.0 24.8 37.2#

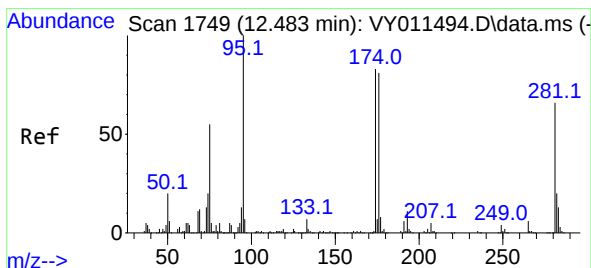
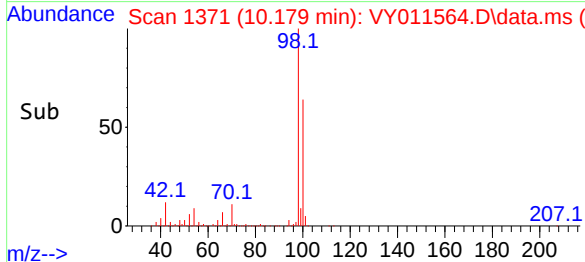
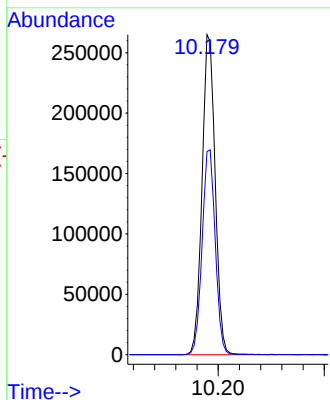
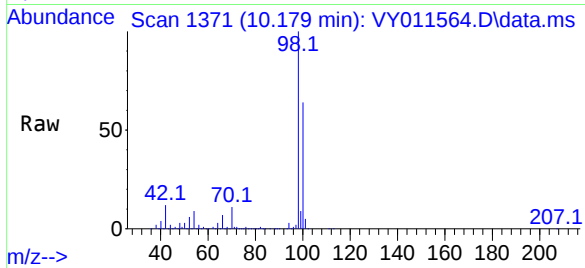




#50
Toluene-d8
Concen: 55.077 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

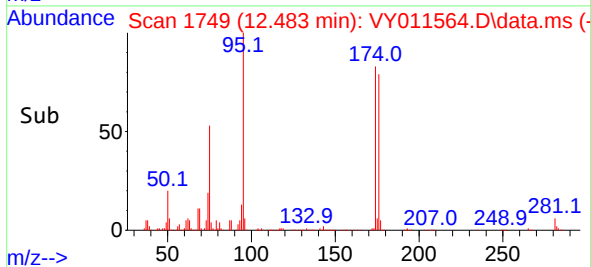
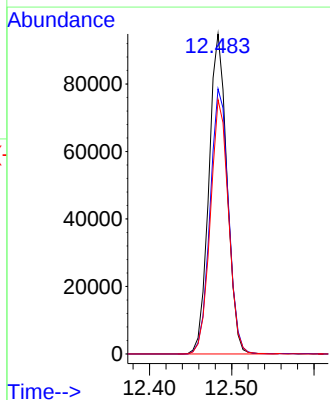
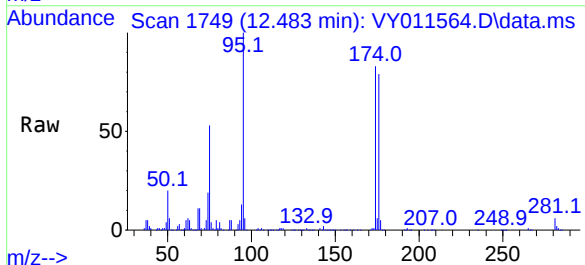
Instrument :
MSVOA_Y
ClientSampleId :

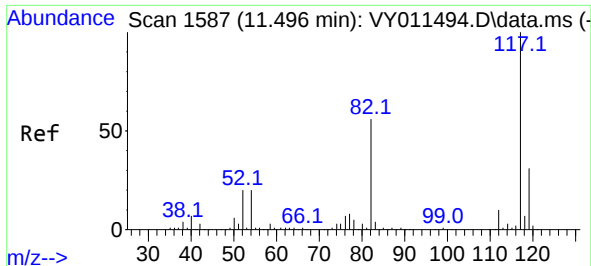
Tgt Ion: 98 Resp: 453839
Ion Ratio Lower Upper
98 100
100 64.2 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 47.656 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

Tgt Ion: 95 Resp: 145190
Ion Ratio Lower Upper
95 100
174 84.4 0.0 177.0
176 79.4 0.0 175.8

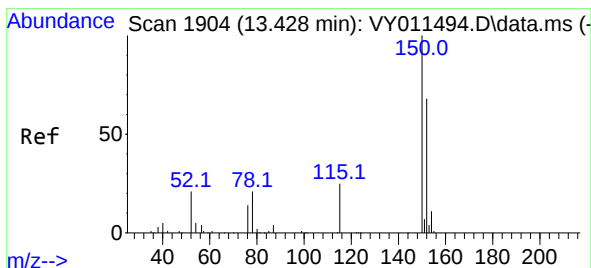
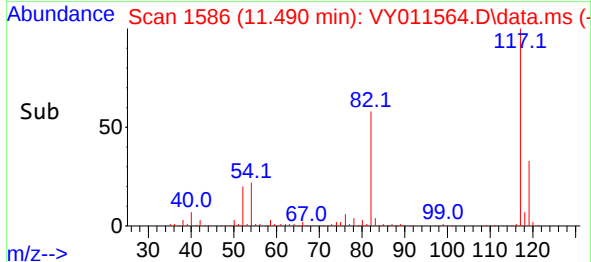
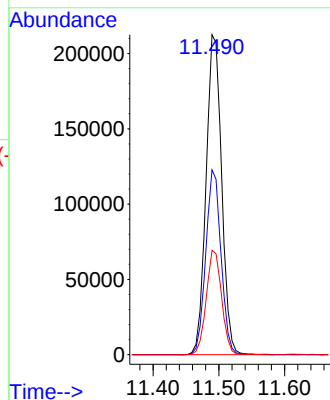
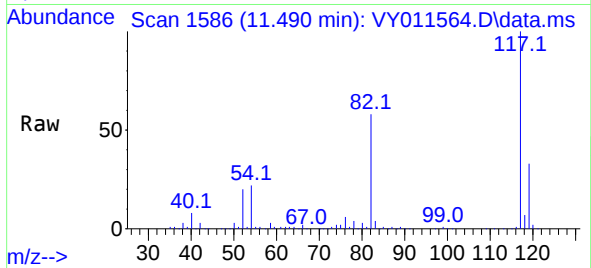




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

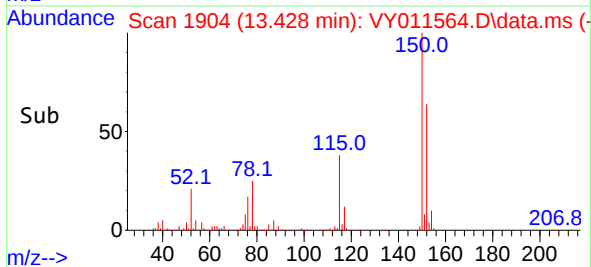
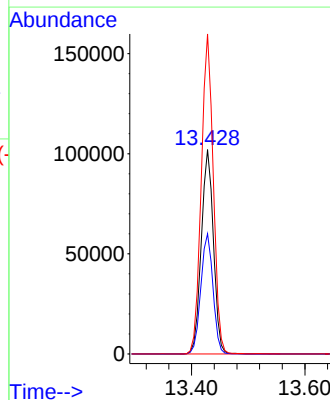
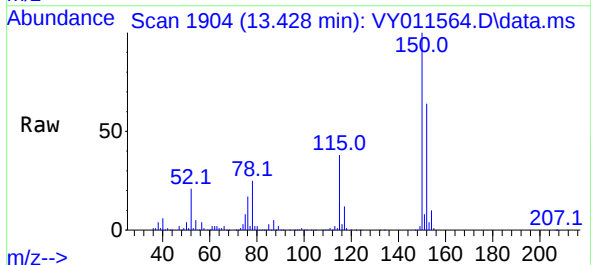
Instrument :
MSVOA_Y
ClientSampleId :

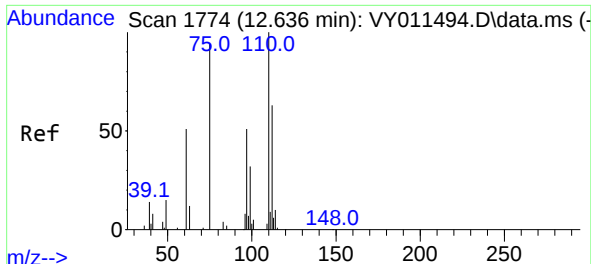
Tgt Ion:117 Resp: 350138
Ion Ratio Lower Upper
117 100
82 57.7 43.0 64.4
119 32.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

Tgt Ion:152 Resp: 151617
Ion Ratio Lower Upper
152 100
115 59.0 28.2 84.7
150 155.1 0.0 347.6

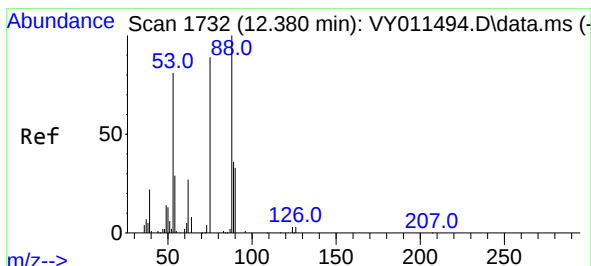
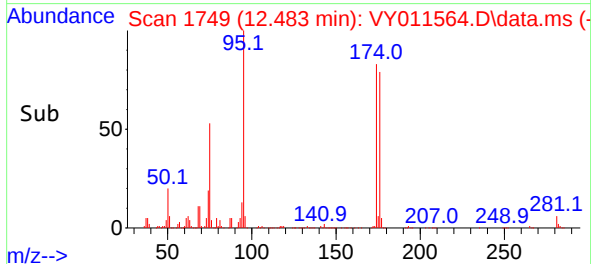
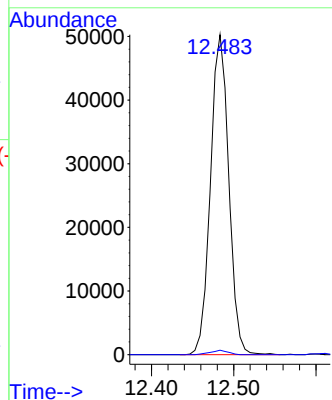
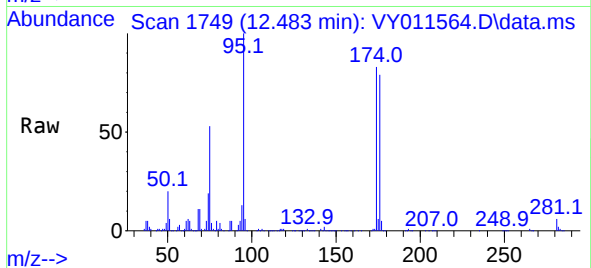




#76
1,2,3-Trichloropropane
Concen: 47.615 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

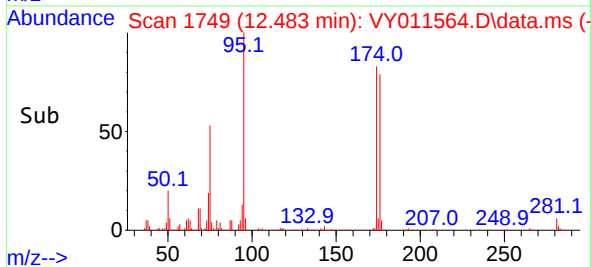
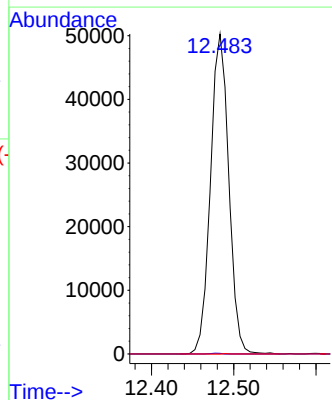
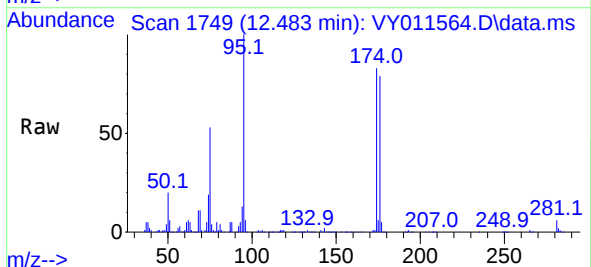
Instrument :
MSVOA_Y
ClientSampleId :

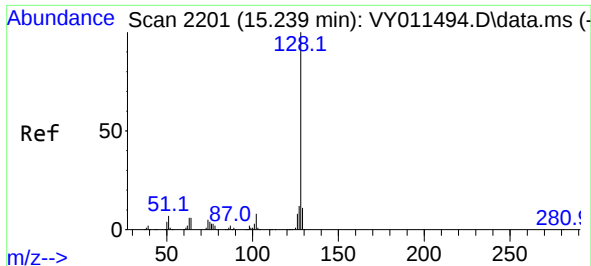
Tgt Ion: 75 Resp: 77747
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 104.294 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

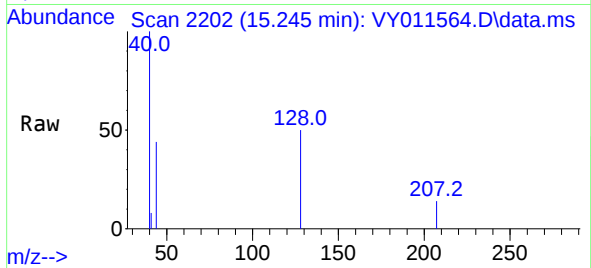
Tgt Ion: 75 Resp: 77747
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#





#95
Naphthalene
Concen: 4.138 ug/l
RT: 15.245 min Scan# 21
Delta R.T. 0.006 min
Lab File: VY011564.D
Acq: 23 Nov 2022 10:46

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion:128 Resp: 687
Ion Ratio Lower Upper
128 100
127 0.0 11.0 16.4#
129 0.0 8.4 12.6#

