

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010606.D
 Acq On : 21 Sep 2022 18:05
 Operator : KP/MD
 Sample : N4714-01
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:11:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

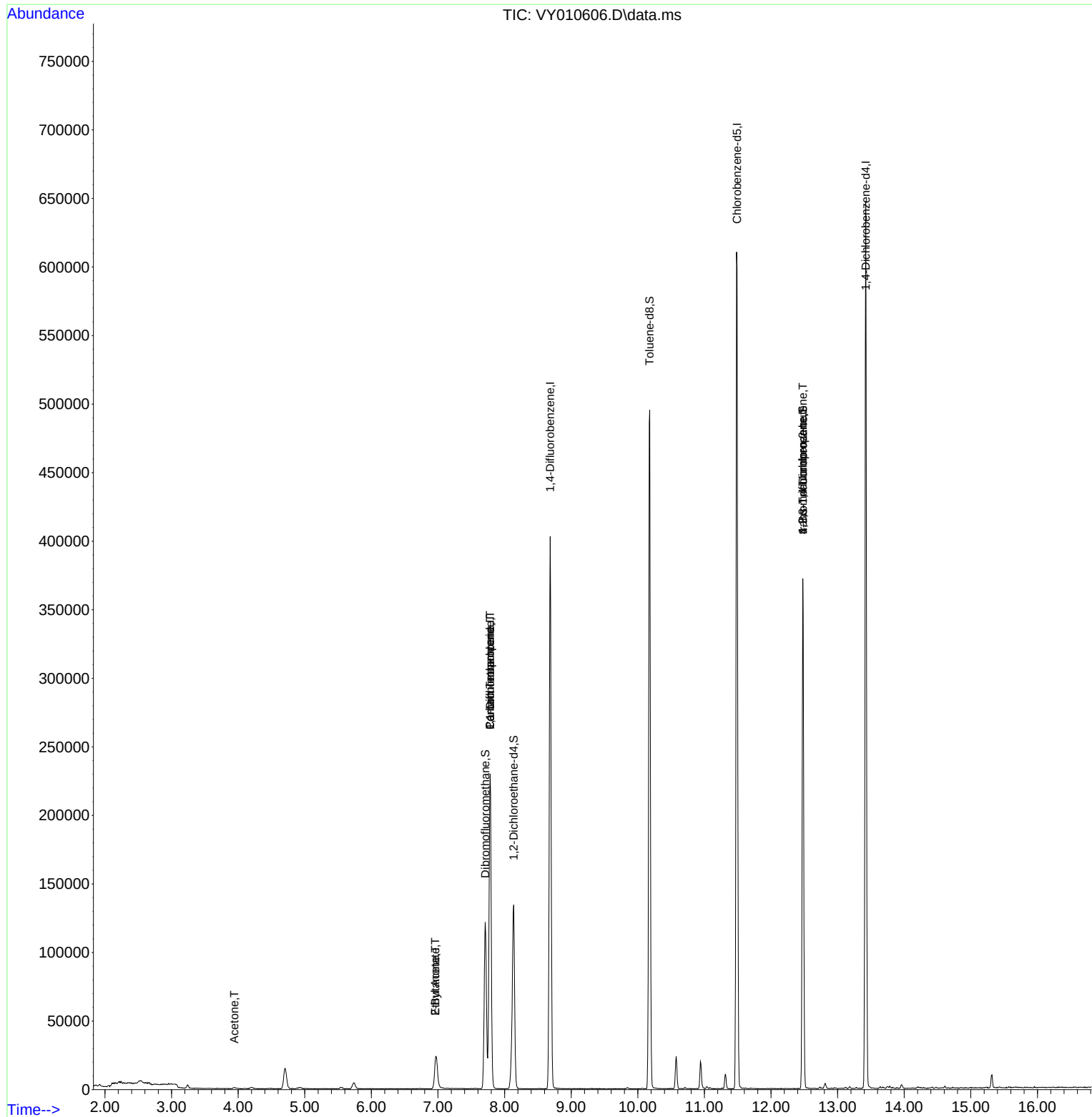
Internal Standards						
1) Pentafluorobenzene	7.783	168	181510	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	340480	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	344844	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	161429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	94146	54.228	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.460%	
35) Dibromofluoromethane	7.710	113	85693	39.436	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 78.880%	
50) Toluene-d8	10.179	98	328595	41.484	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 82.960%	
62) 4-Bromofluorobenzene	12.477	95	110137	36.208	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.420%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	217	Below Cal		97
3) Chloromethane	2.107	50	513	Below Cal	#	86
4) Vinyl Chloride	2.357	62	88	Below Cal	#	43
5) Bromomethane	2.656	94	173	Below Cal	#	9
11) Tert butyl alcohol	4.942	59	575	Below Cal	#	77
16) Acetone	3.942	43	1519	4.291	ug/l	97
17) Carbon Disulfide	4.186	76	49	Below Cal	#	75
18) Methyl Acetate	4.478	43	576	Below Cal	#	63
20) Methylene Chloride	4.698	84	11265	Below Cal	#	86
25) 2-Butanone	6.960	43	1496	2.701	ug/l	# 54
31) Cyclohexane	7.777	56	3683	Below Cal	#	7
36) 1,1-Dichloropropene	7.783	75	13846	5.719	ug/l	# 51
37) Ethyl Acetate	6.960	43	1496	1.070	ug/l	# 1
38) Carbon Tetrachloride	7.783	117	18046	6.482	ug/l	# 16
76) 1,2,3-Trichloropropane	12.477	75	56795	36.862	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.477	75	56795	81.961	ug/l	# 7

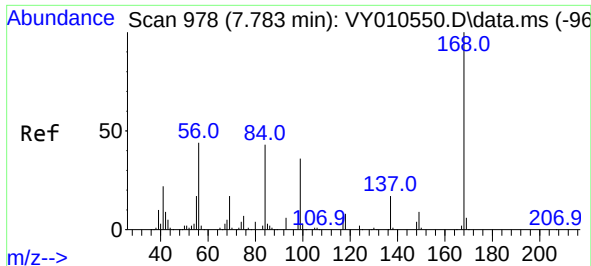
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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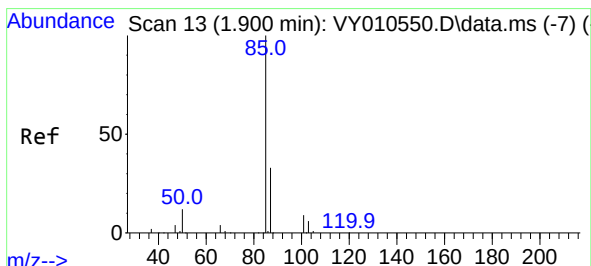
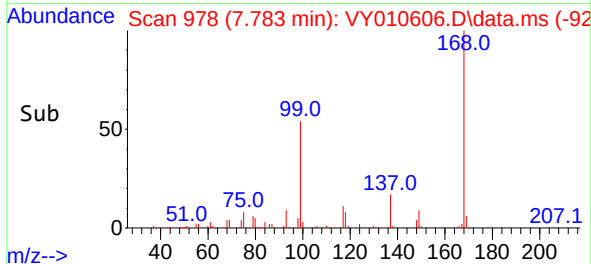
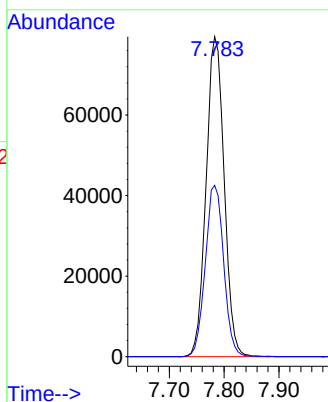
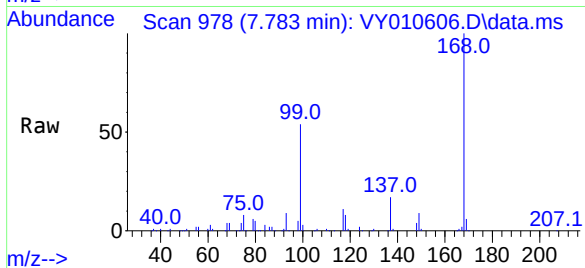




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

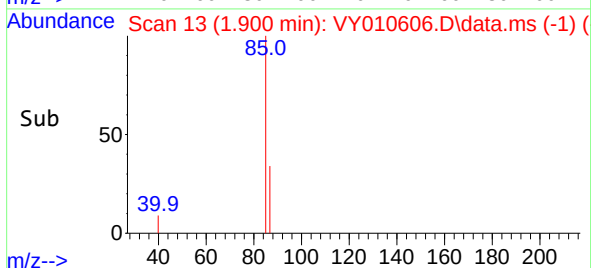
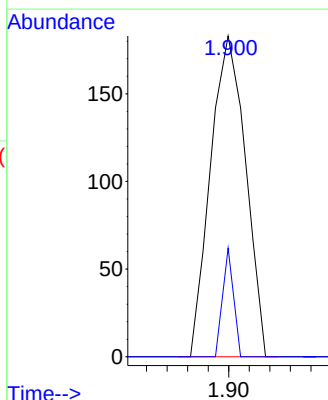
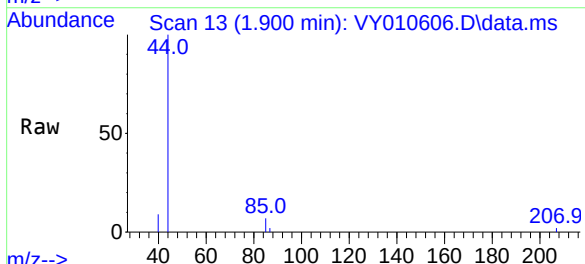
Instrument :
MSVOA_Y
ClientSampleId :

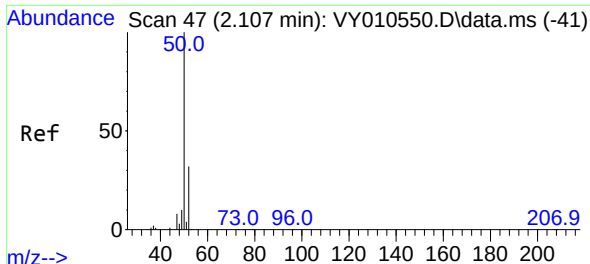
Tgt Ion:168 Resp: 181510
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

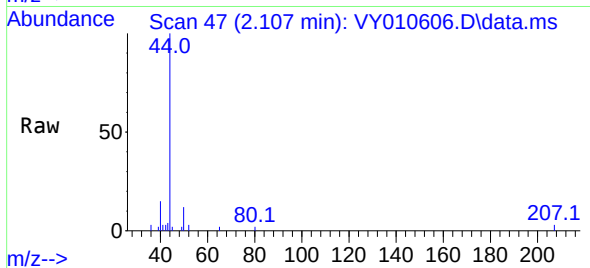
Tgt Ion: 85 Resp: 217
Ion Ratio Lower Upper
85 100
87 33.9 16.1 48.2



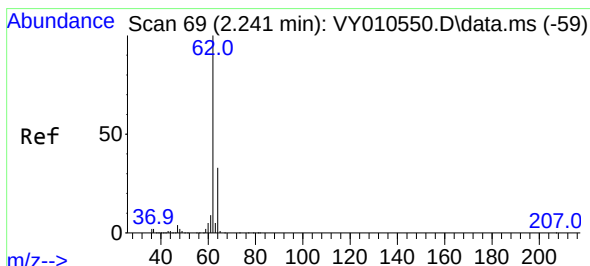
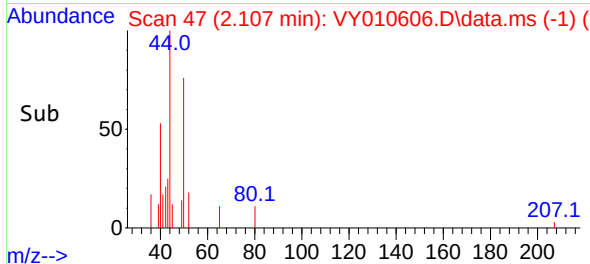
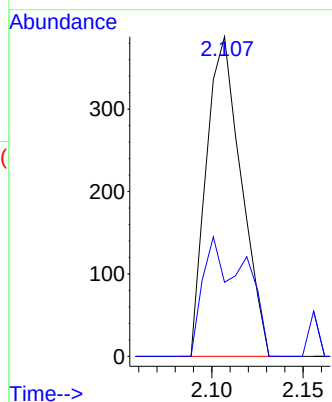


#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

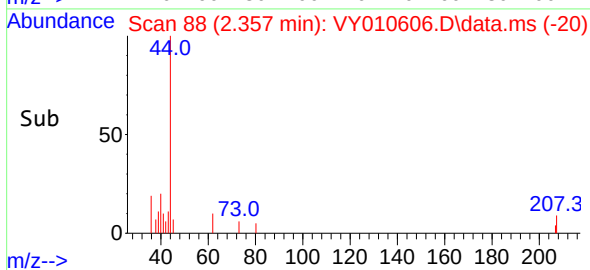
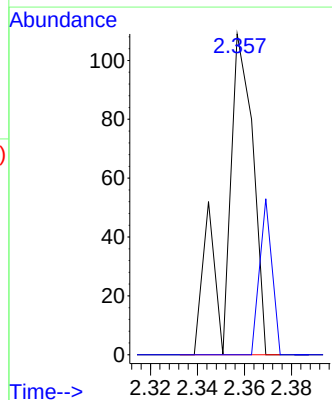
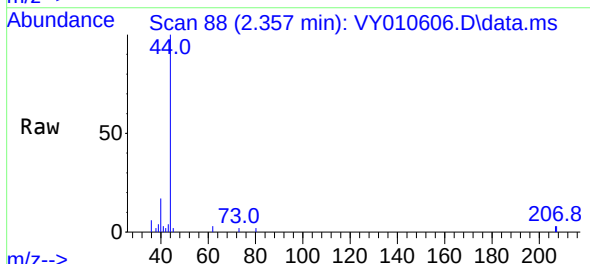


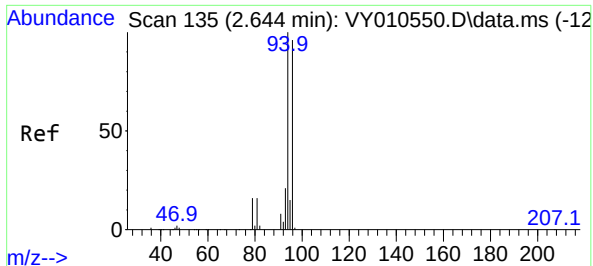
Tgt Ion: 50 Resp: 513
Ion Ratio Lower Upper
50 100
52 23.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.357 min Scan# 88
Delta R.T. 0.116 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

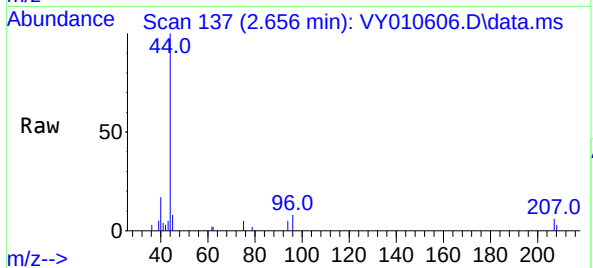
Tgt Ion: 62 Resp: 88
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



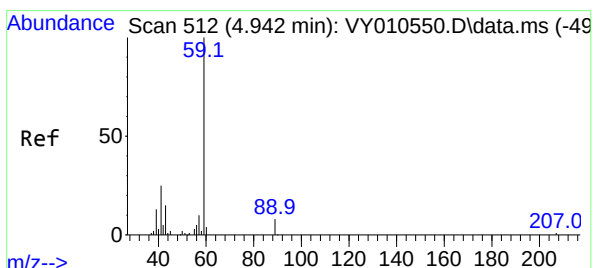
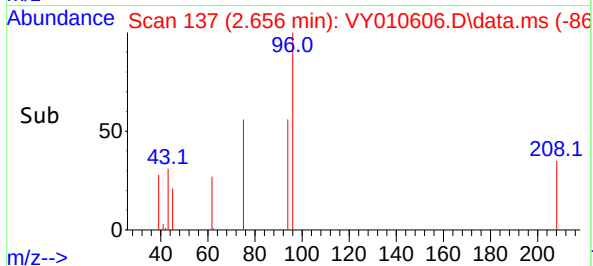
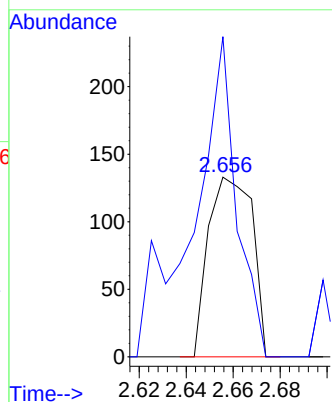


#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

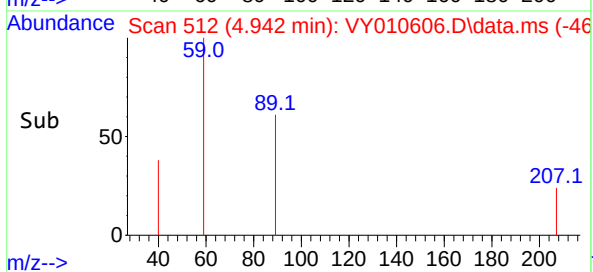
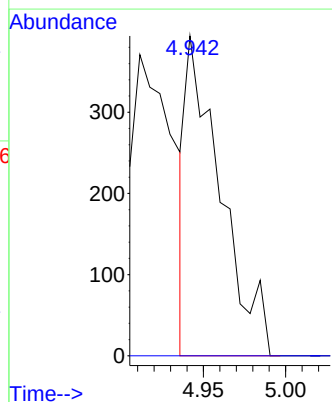
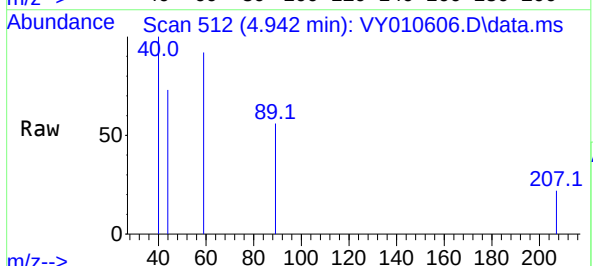


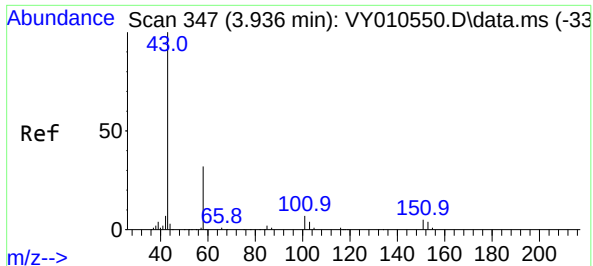
Tgt Ion: 94 Resp: 173
Ion Ratio Lower Upper
94 100
96 178.2 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Tgt Ion: 59 Resp: 575
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

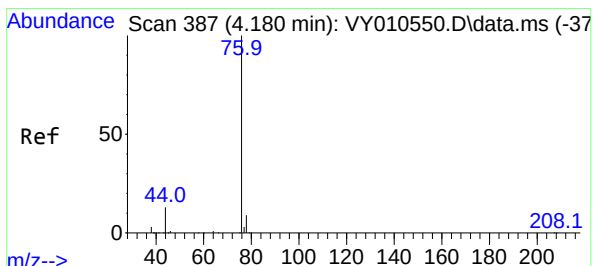
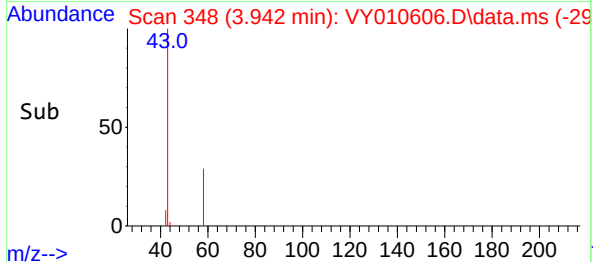
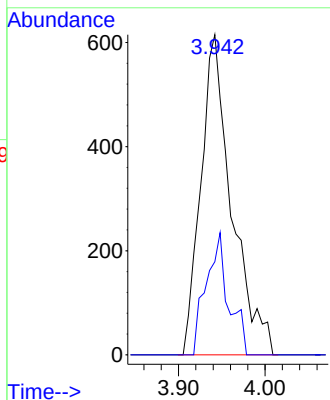
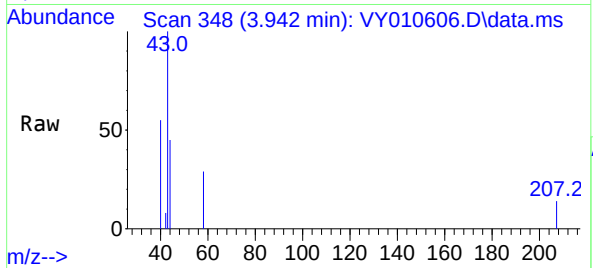




#16
Acetone
Concen: 4.291 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

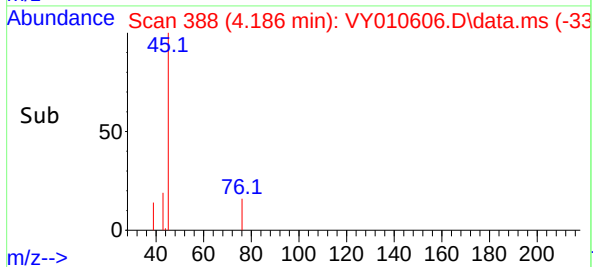
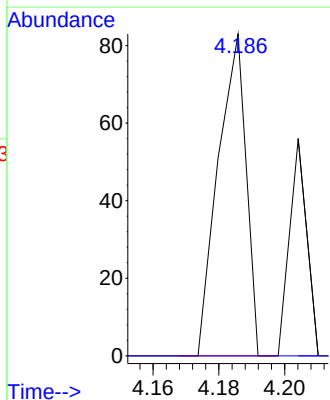
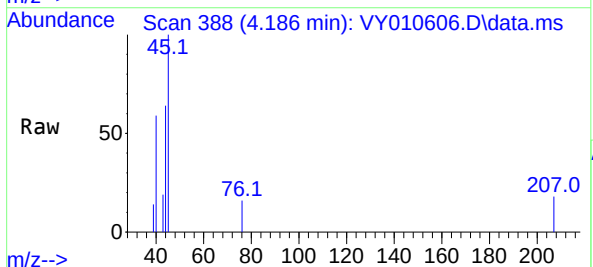
Instrument :
MSVOA_Y
ClientSampleId :

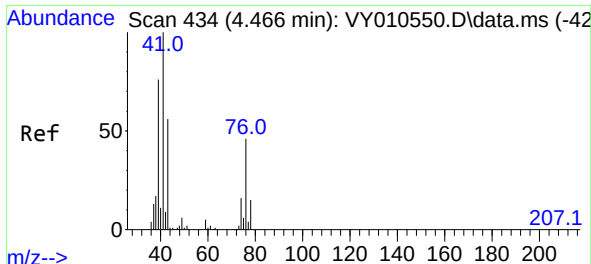
Tgt Ion: 43 Resp: 1519
Ion Ratio Lower Upper
43 100
58 29.1 22.0 33.0



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.186 min Scan# 388
Delta R.T. 0.006 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

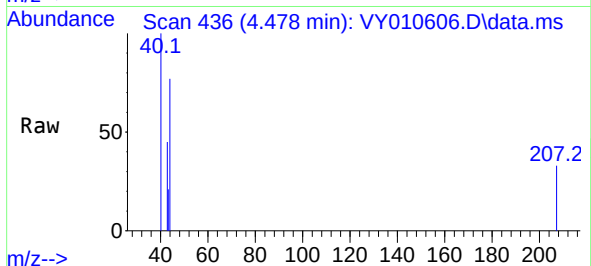
Tgt Ion: 76 Resp: 49
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



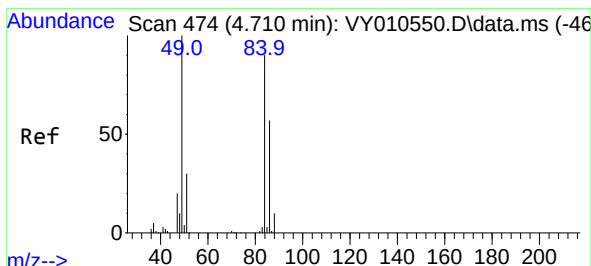
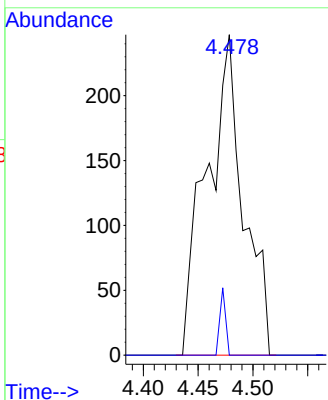
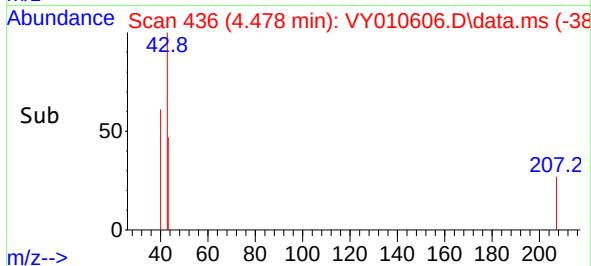


#18
Methyl Acetate
Concen: Below Cal
RT: 4.478 min Scan# 41
Delta R.T. 0.012 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

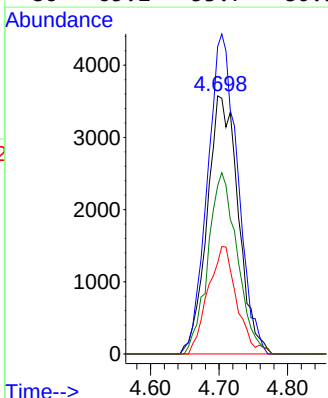
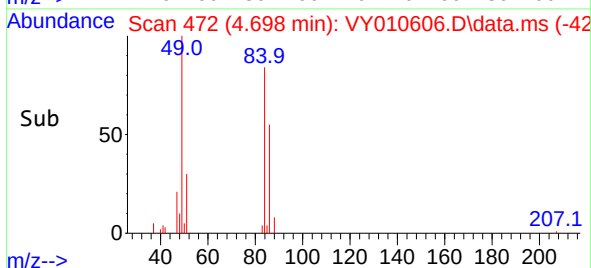
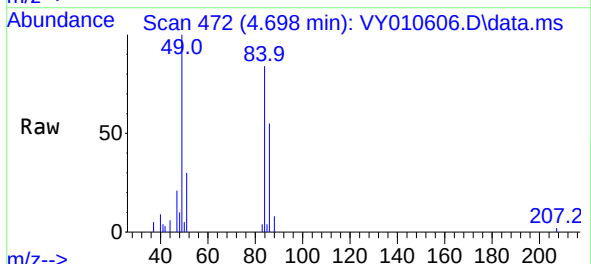


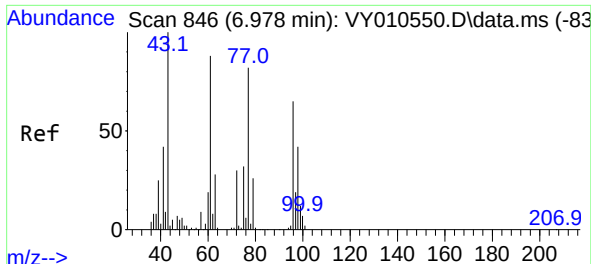
Tgt Ion: 43 Resp: 576
Ion Ratio Lower Upper
43 100
74 3.3 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

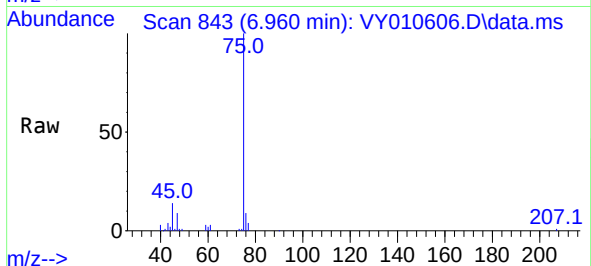
Tgt Ion: 84 Resp: 11265
Ion Ratio Lower Upper
84 100
49 119.1 114.4 171.6
51 35.3 35.3 52.9#
86 65.2 53.7 80.5



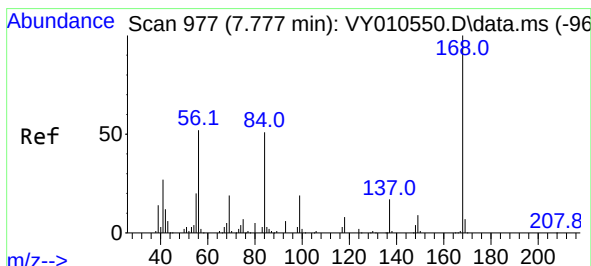
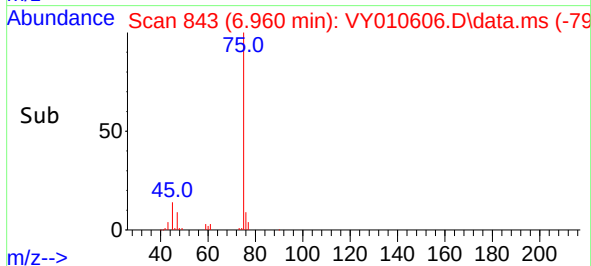
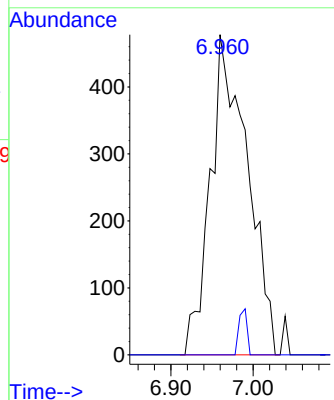


#25
2-Butanone
Concen: 2.701 ug/l
RT: 6.960 min Scan# 846
Delta R.T. -0.018 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

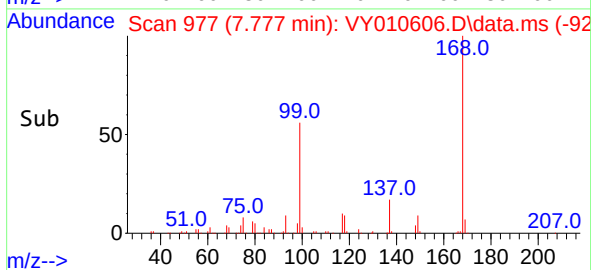
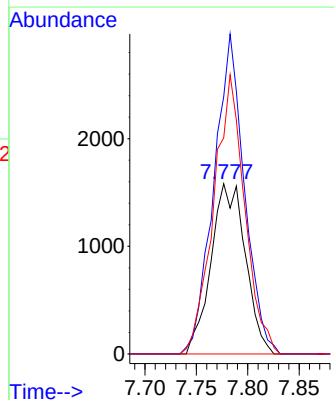
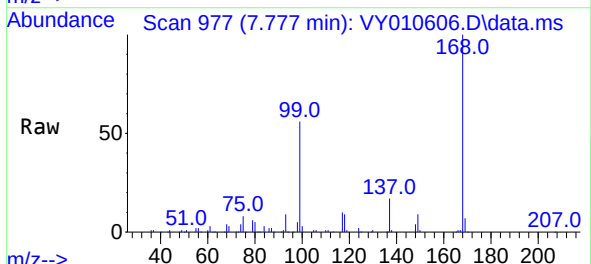


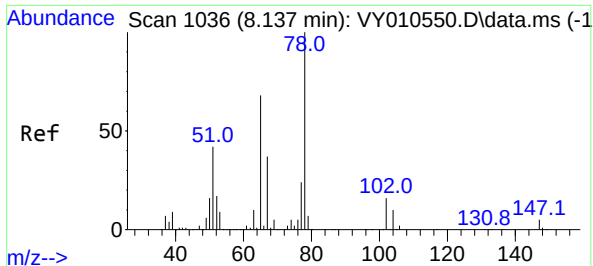
Tgt Ion: 43 Resp: 1496
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#



#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 977
Delta R.T. -0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Tgt Ion: 56 Resp: 3683
Ion Ratio Lower Upper
56 100
69 151.1 26.7 40.1#
84 127.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.228 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010606.D

Acq: 21 Sep 2022 18:05

Instrument :

MSVOA_Y

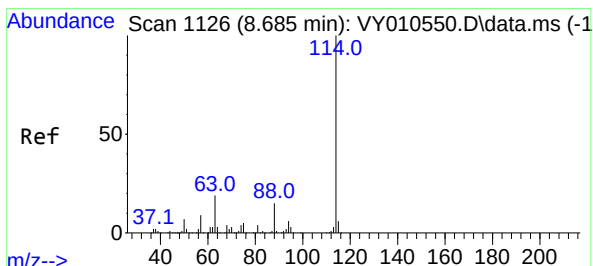
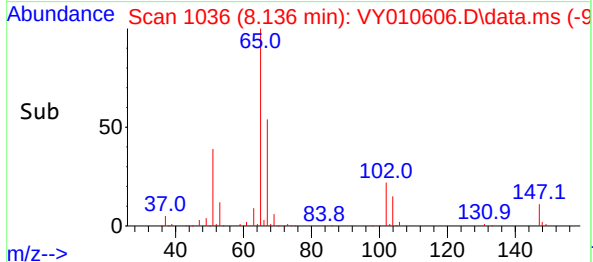
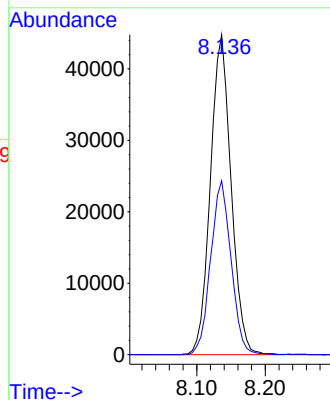
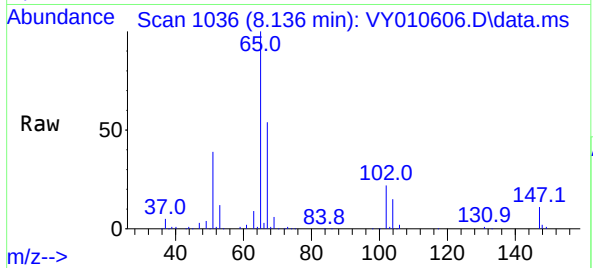
ClientSampleId :

Tgt Ion: 65 Resp: 94146

Ion Ratio Lower Upper

65 100

67 53.6 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY010606.D

Acq: 21 Sep 2022 18:05

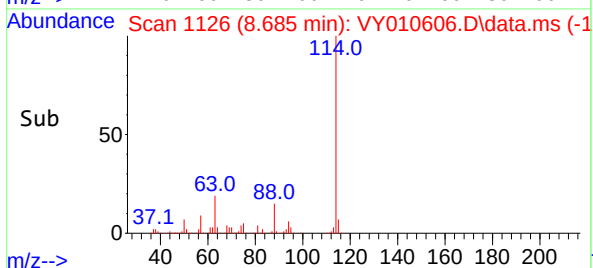
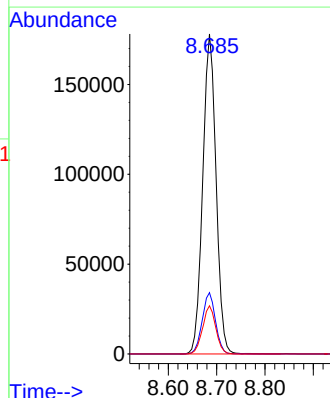
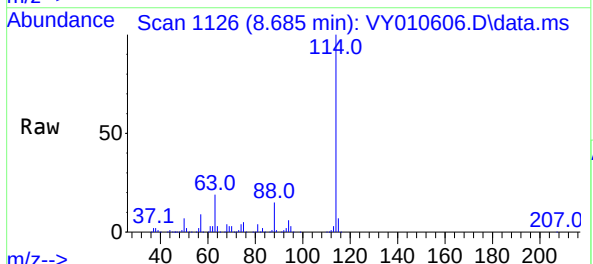
Tgt Ion: 114 Resp: 340480

Ion Ratio Lower Upper

114 100

63 19.1 0.0 43.2

88 15.0 0.0 31.8





Concen: 39.436 ug/l

Instrument :

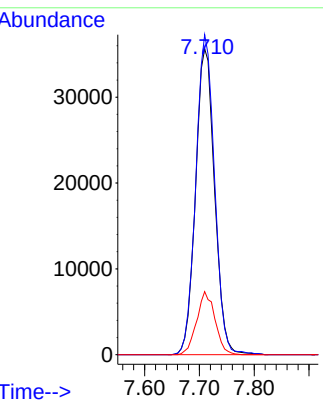
MSVOA Y

ClientSampleId :

Acq: 21 Sep 2022 18:05

Ion	Ratio	Lower	Upper
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111	103.2	82.6	124.0
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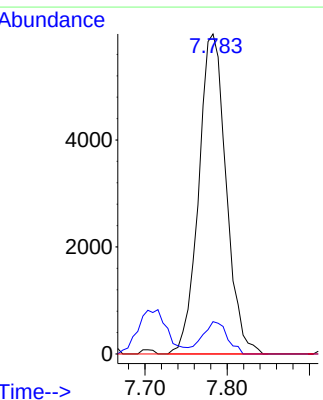


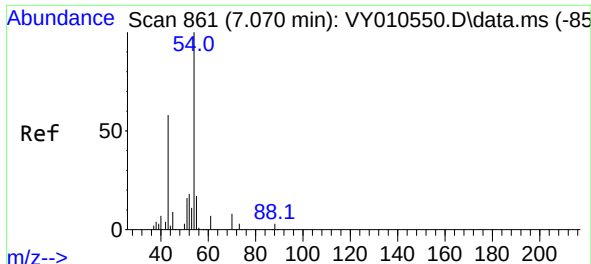
Req: 22 Sep 2022 10:05

Ion	Ratio	Lower	Upper
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110	9.1	17.1	51.2#
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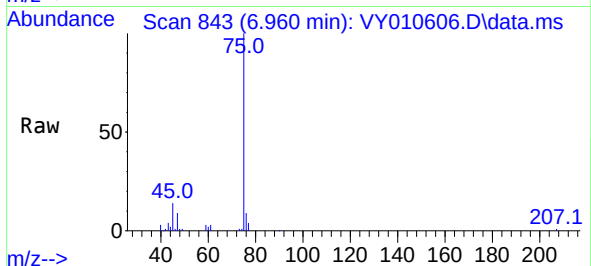
77 676 2777 56767



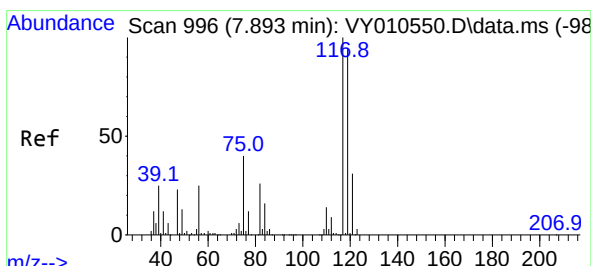
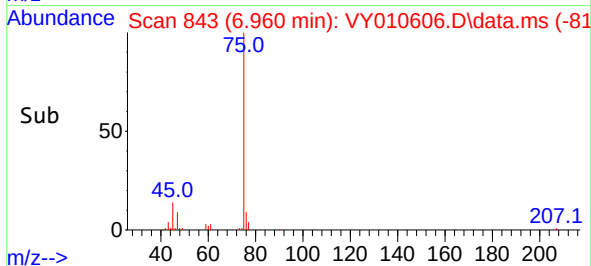
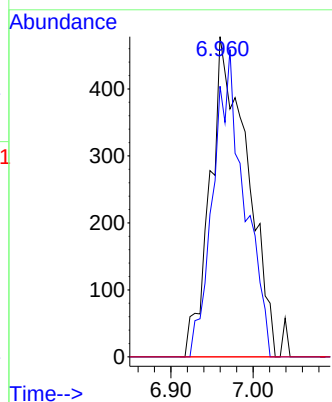


#37
Ethyl Acetate
Concen: 1.070 ug/l
RT: 6.960 min Scan# 84
Delta R.T. -0.110 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

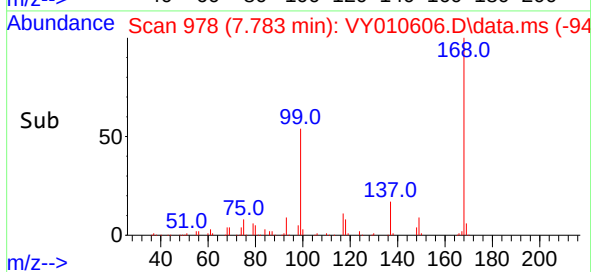
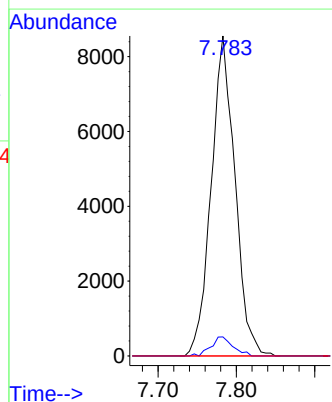
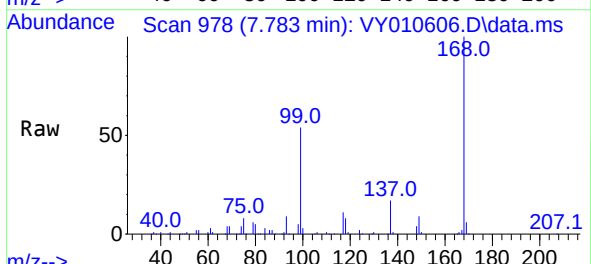


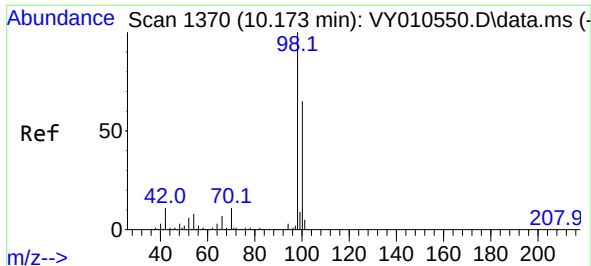
Tgt Ion: 43 Resp: 1496
Ion Ratio Lower Upper
43 100
61 80.2 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.482 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Tgt Ion: 117 Resp: 18046
Ion Ratio Lower Upper
117 100
119 6.0 77.9 116.9#
121 0.0 24.8 37.2#

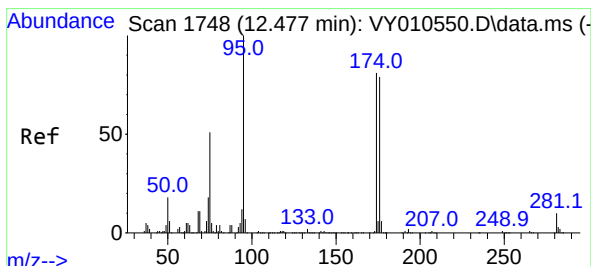
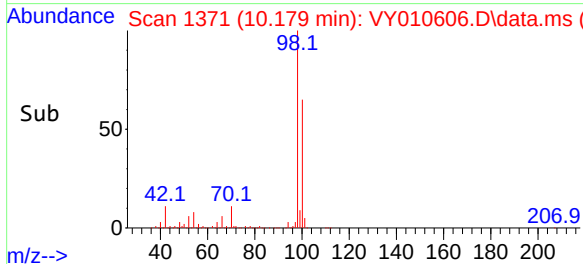
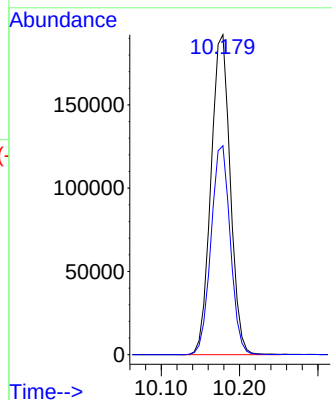
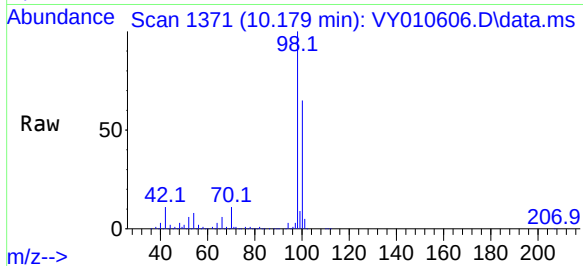




#50
Toluene-d8
Concen: 41.484 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

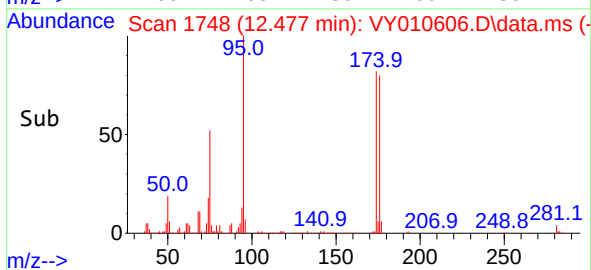
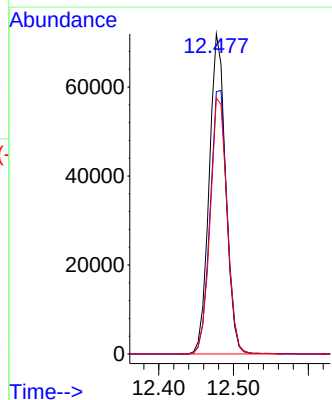
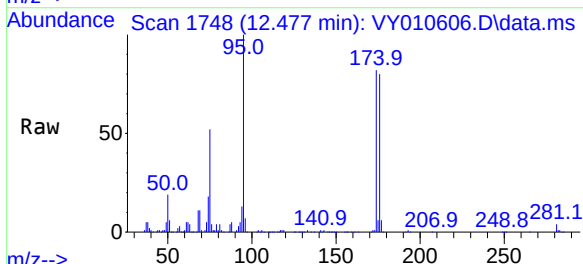
Instrument :
MSVOA_Y
ClientSampleId :

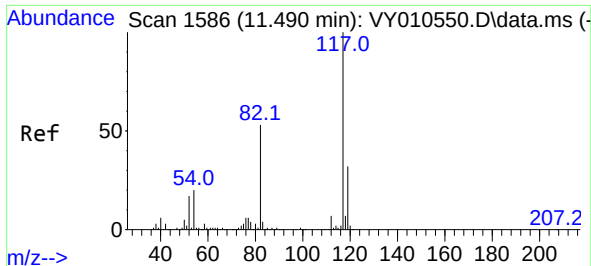
Tgt Ion: 98 Resp: 328595
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 36.208 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

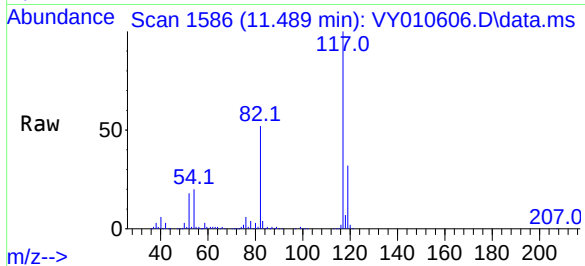
Tgt Ion: 95 Resp: 110137
Ion Ratio Lower Upper
95 100
174 85.5 0.0 177.0
176 82.4 0.0 175.8



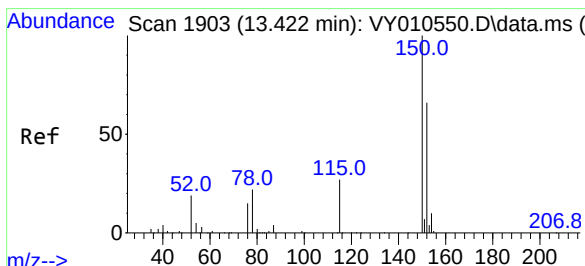
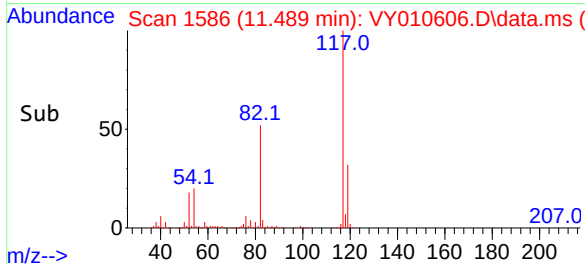
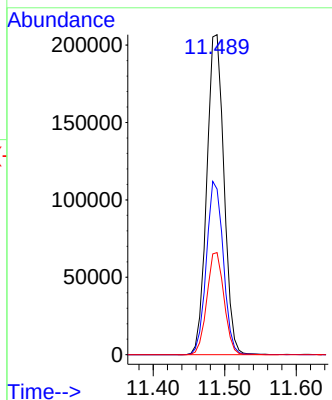


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

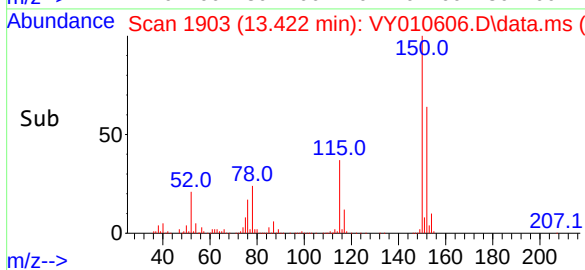
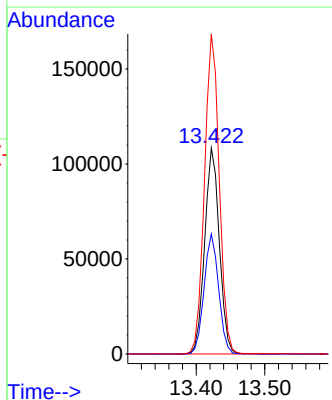
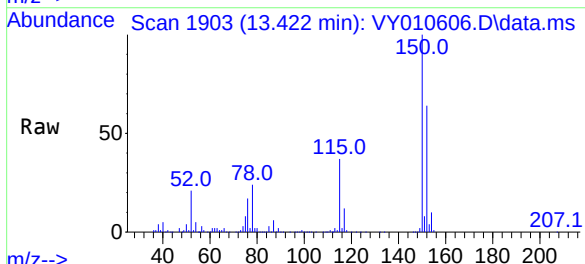


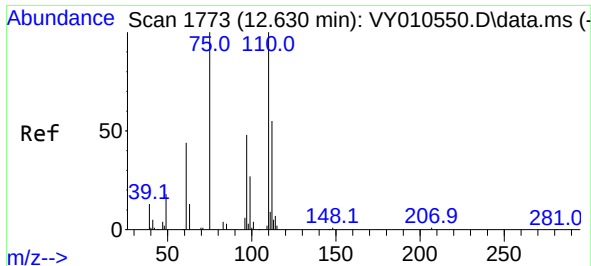
Tgt Ion:117 Resp: 344844
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 31.9 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Tgt Ion:152 Resp: 161429
Ion Ratio Lower Upper
152 100
115 57.8 28.2 84.7
150 156.6 0.0 347.6

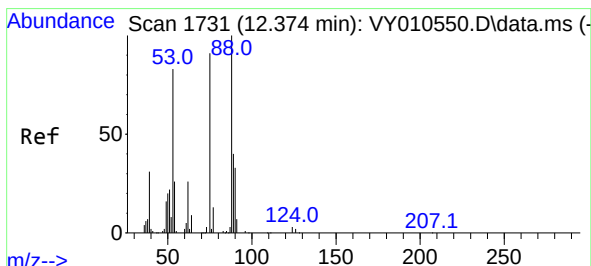
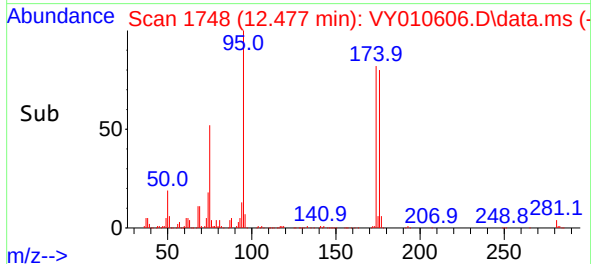
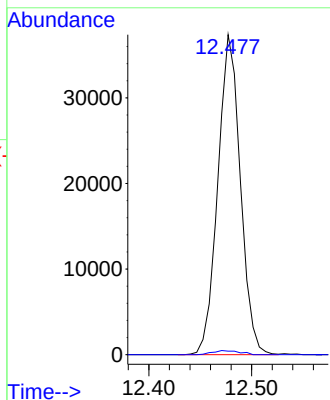
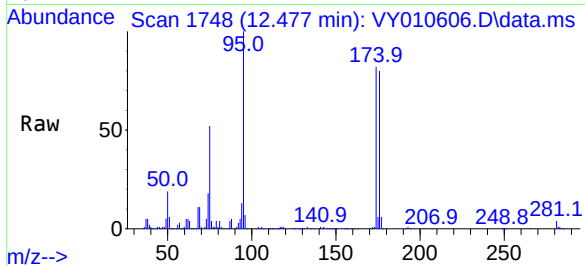




#76
1,2,3-Trichloropropane
Concen: 36.862 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 56795
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 81.961 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010606.D
Acq: 21 Sep 2022 18:05

Tgt Ion: 75 Resp: 56795
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.0 37.0 55.4#

