

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010609.D
 Acq On : 21 Sep 2022 19:15
 Operator : KP/MD
 Sample : N4694-02
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:11:48 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)

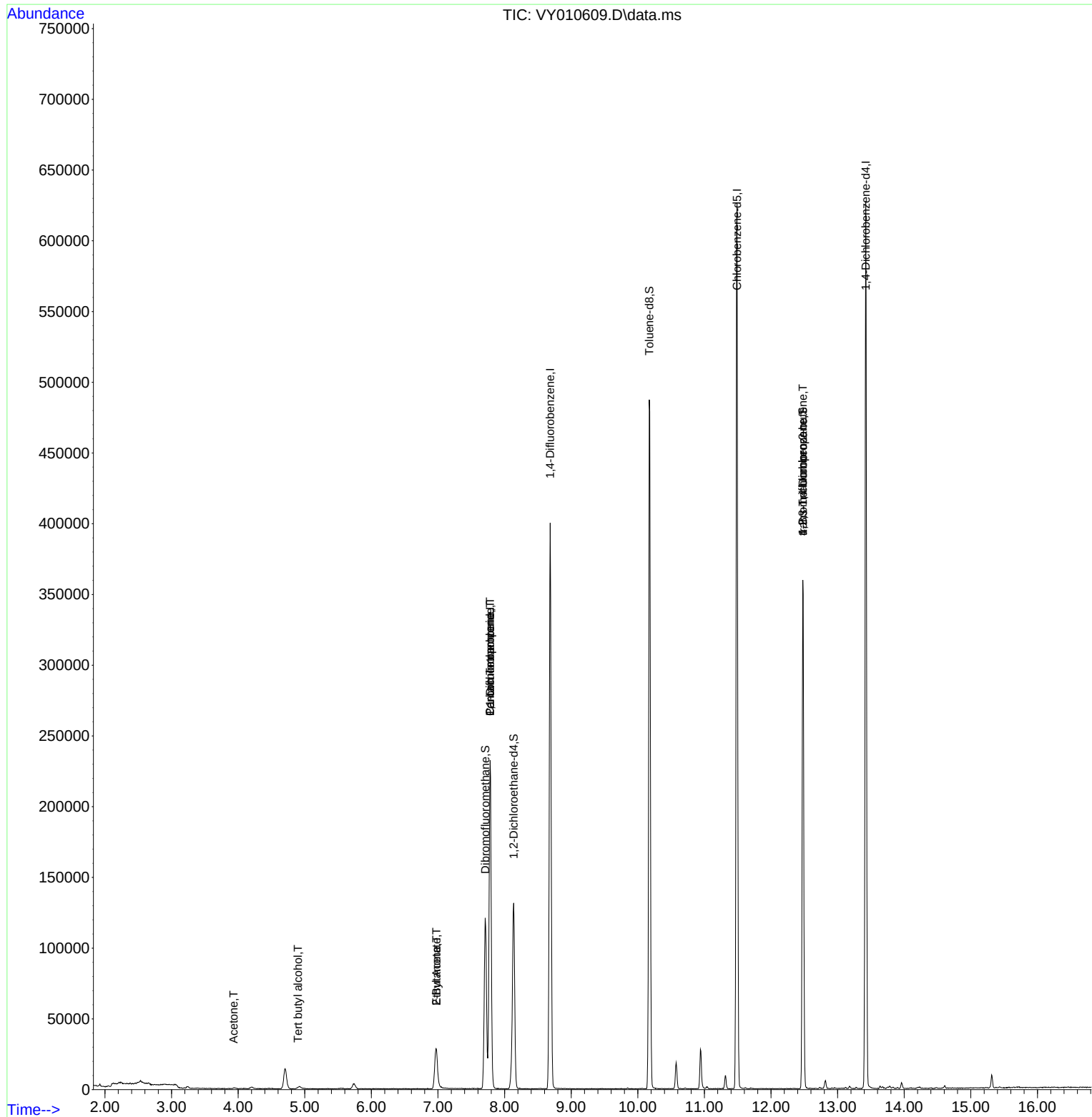
Internal Standards							
1) Pentafluorobenzene		7.783	168	180392	50.000	ug/l	0.00
34) 1,4-Difluorobenzene		8.685	114	339477	50.000	ug/l	0.00
63) Chlorobenzene-d5		11.489	117	343958	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4		13.422	152	159568	50.000	ug/l	0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4		8.136	65	97560	56.543	ug/l	0.00
Spiked Amount 50.000		Range	50 - 163	Recovery	= 113.080%		
35) Dibromofluoromethane		7.709	113	86473	39.913	ug/l	0.00
Spiked Amount 50.000		Range	54 - 147	Recovery	= 79.820%		
50) Toluene-d8		10.172	98	328637	41.603	ug/l	0.00
Spiked Amount 50.000		Range	49 - 140	Recovery	= 83.200%		
62) 4-Bromofluorobenzene		12.477	95	108377	35.698	ug/l	0.00
Spiked Amount 50.000		Range	25 - 144	Recovery	= 71.400%		
Target Compounds							Qvalue
2) Dichlorodifluoromethane		1.900	85	96	Below Cal	#	43
3) Chloromethane		2.101	50	394	Below Cal		95
4) Vinyl Chloride		2.278	62	48	Below Cal	#	43
5) Bromomethane		2.649	94	140	Below Cal		96
11) Tert butyl alcohol		4.899	59	2097	2.531	ug/l #	77
16) Acetone		3.930	43	1041	2.959	ug/l #	68
17) Carbon Disulfide		4.167	76	56	Below Cal	#	75
18) Methyl Acetate		4.460	43	181	Below Cal	#	56
20) Methylene Chloride		4.698	84	10629	Below Cal	#	82
25) 2-Butanone		6.978	43	1499	2.724	ug/l #	84
31) Cyclohexane		7.789	56	3685	Below Cal	#	1
36) 1,1-Dichloropropene		7.783	75	14106	5.843	ug/l #	50
37) Ethyl Acetate		6.978	43	1499	1.075	ug/l #	1
38) Carbon Tetrachloride		7.783	117	17742	6.392	ug/l #	15
76) 1,2,3-Trichloropropane		12.477	75	56422	37.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...		12.477	75	56422	82.372	ug/l #	7

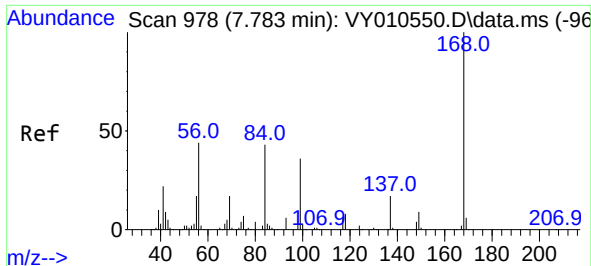
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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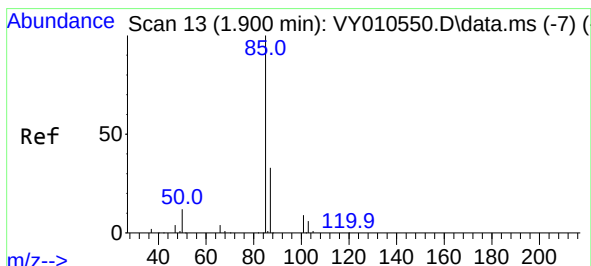
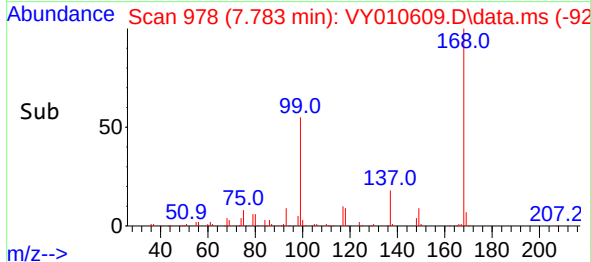
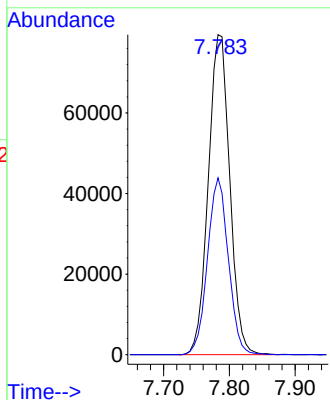
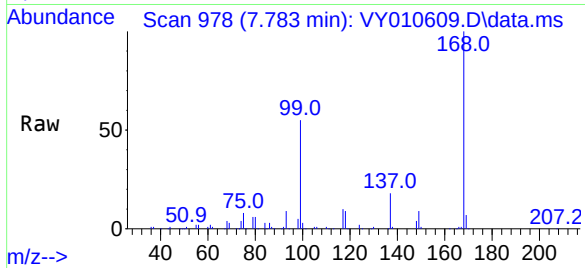




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

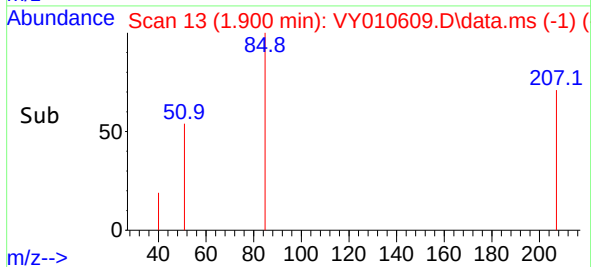
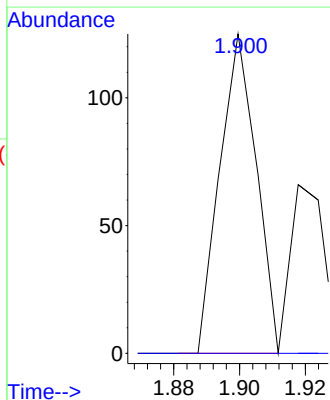
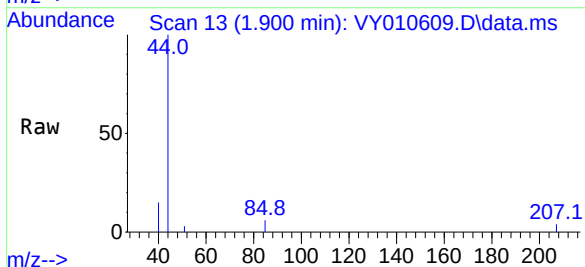
Instrument :
MSVOA_Y
ClientSampleId :

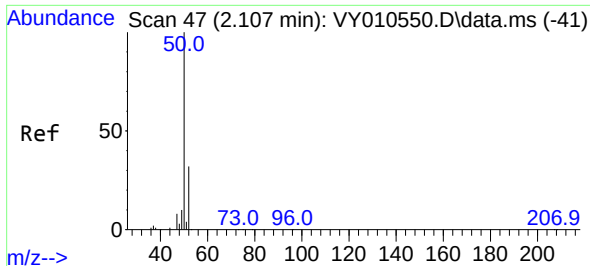
Tgt Ion:168 Resp: 180392
Ion Ratio Lower Upper
168 100
99 55.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Tgt Ion: 85 Resp: 96
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

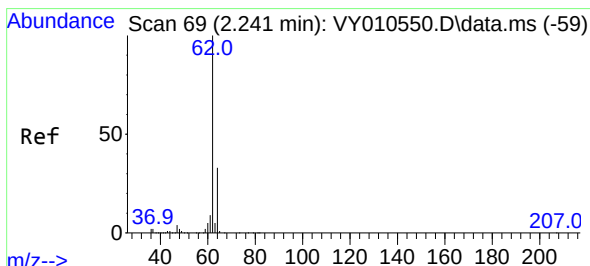
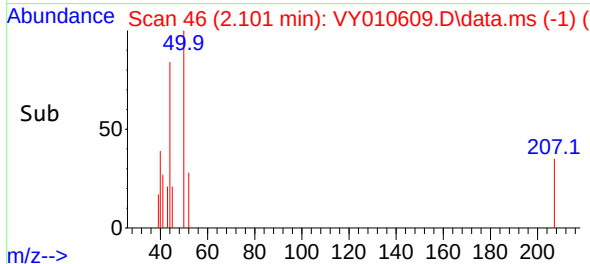
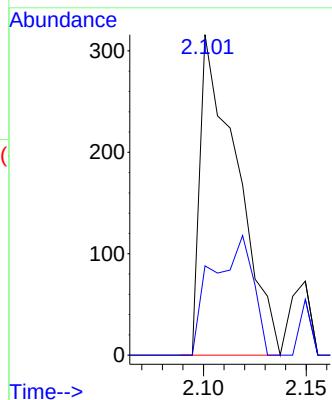
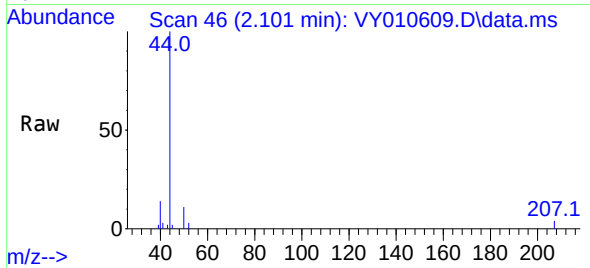




#3
Chloromethane
Concen: Below Cal
RT: 2.101 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

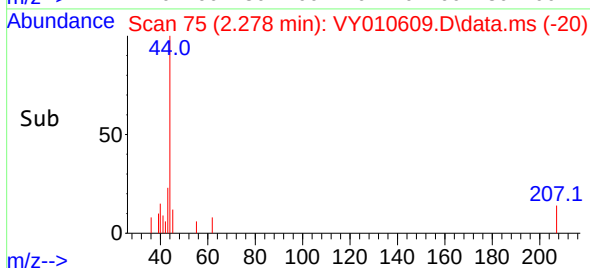
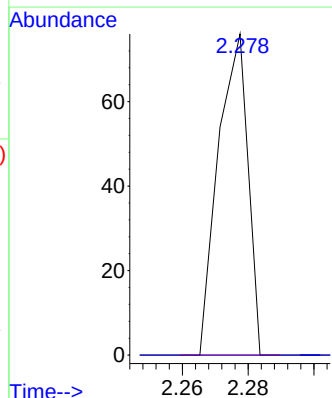
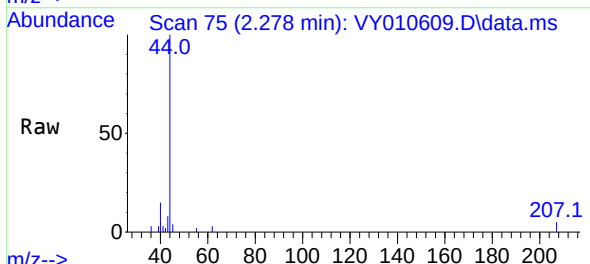
Instrument :
MSVOA_Y
ClientSampleId :

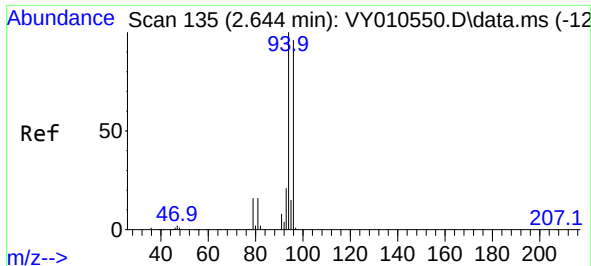
Tgt Ion: 50 Resp: 394
Ion Ratio Lower Upper
50 100
52 27.8 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.278 min Scan# 75
Delta R.T. 0.037 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

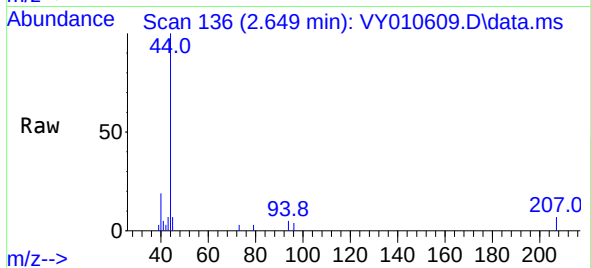
Tgt Ion: 62 Resp: 48
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#



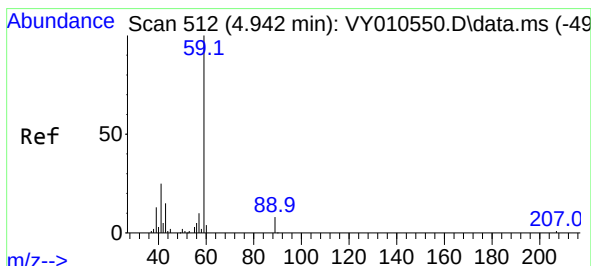
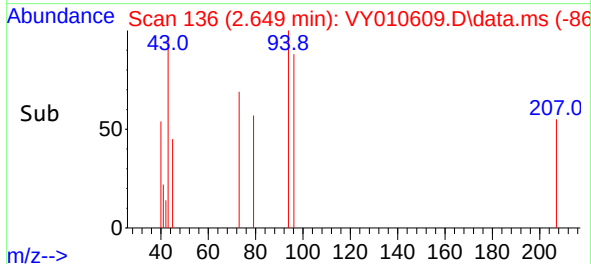
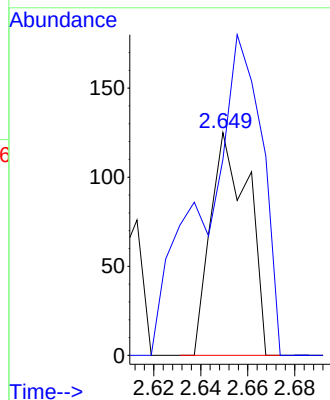


#5
Bromomethane
Concen: Below Cal
RT: 2.649 min Scan# 11
Delta R.T. 0.005 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Instrument :
MSVOA_Y
ClientSampleId :

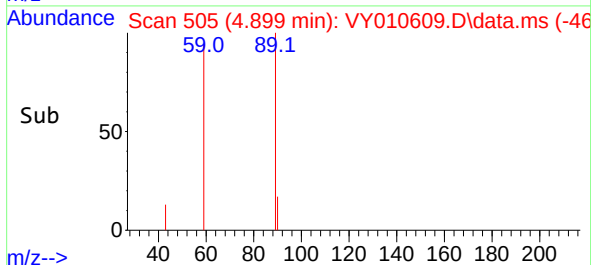
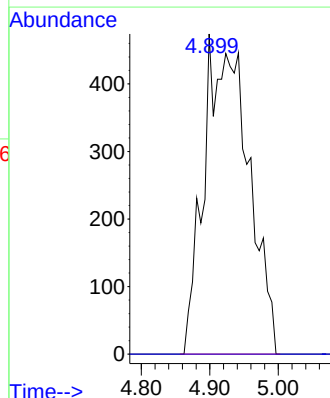
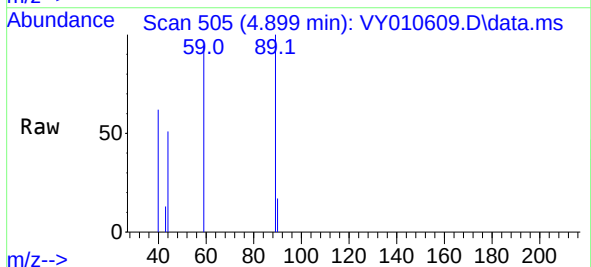


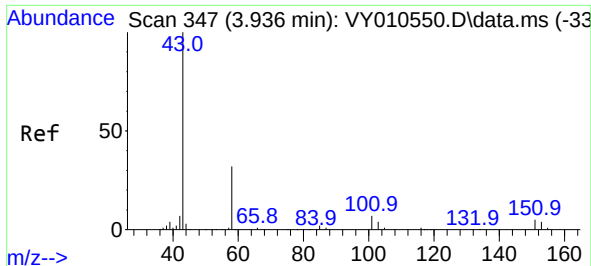
Tgt Ion: 94 Resp: 140
Ion Ratio Lower Upper
94 100
96 88.0 73.5 110.3



#11
Tert butyl alcohol
Concen: 2.531 ug/l
RT: 4.899 min Scan# 505
Delta R.T. -0.043 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Tgt Ion: 59 Resp: 2097
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

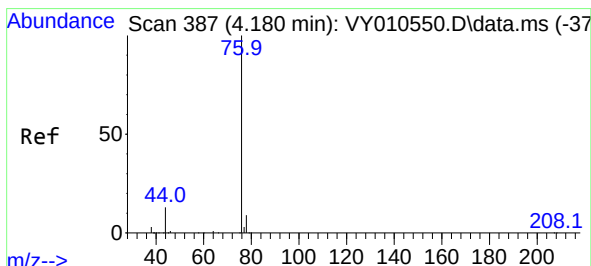
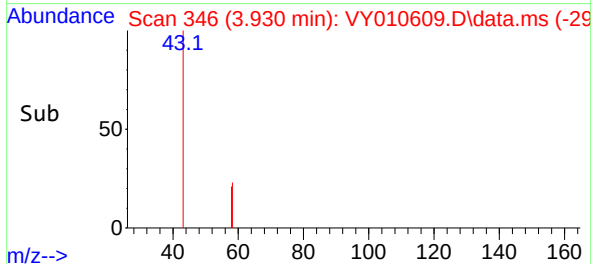
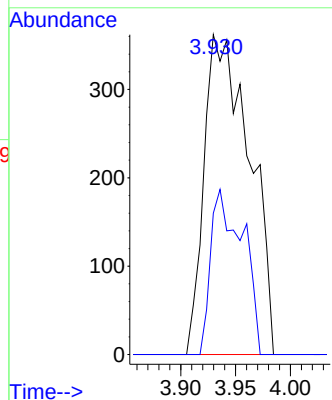
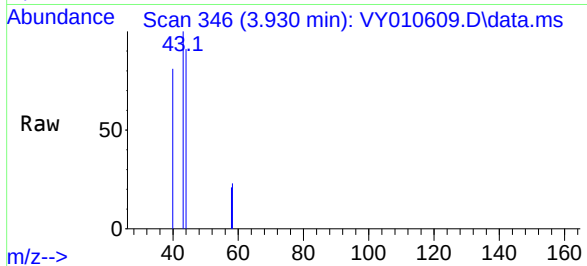




#16
Acetone
Concen: 2.959 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

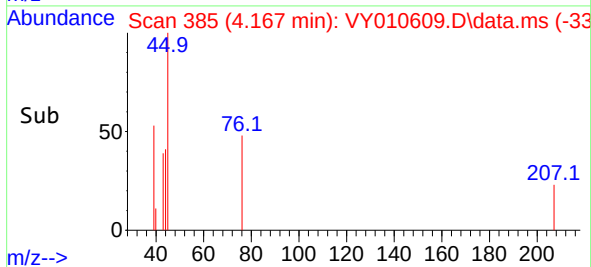
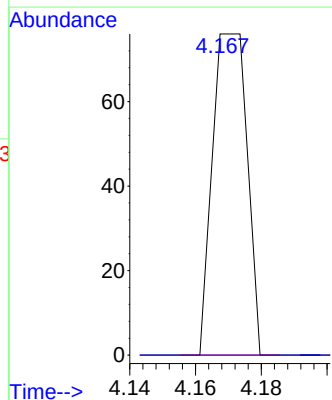
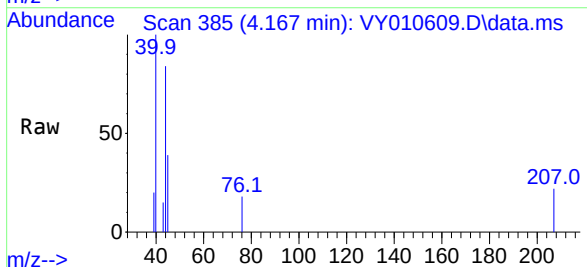
Instrument :
MSVOA_Y
ClientSampleId :

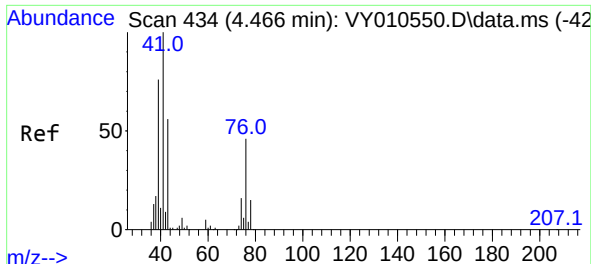
Tgt Ion: 43 Resp: 1041
Ion Ratio Lower Upper
43 100
58 44.2 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.167 min Scan# 385
Delta R.T. -0.013 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

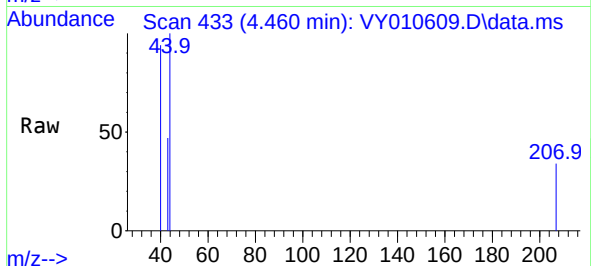
Tgt Ion: 76 Resp: 56
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#



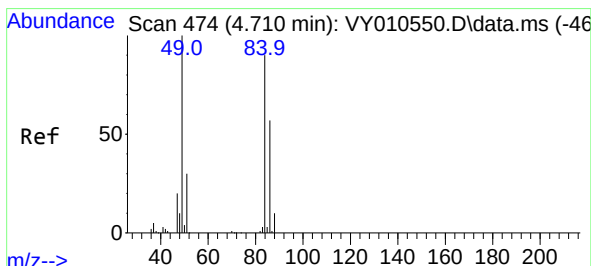
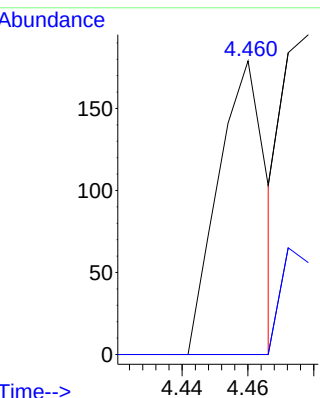
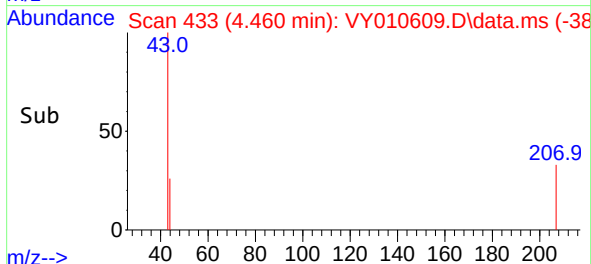


#18
Methyl Acetate
Concen: Below Cal
RT: 4.460 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Instrument :
MSVOA_Y
ClientSampleId :

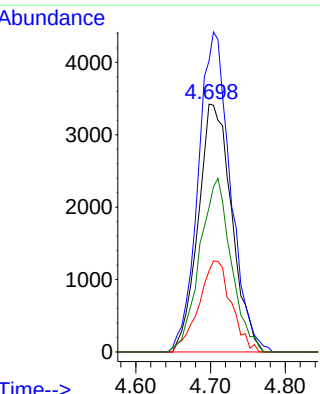
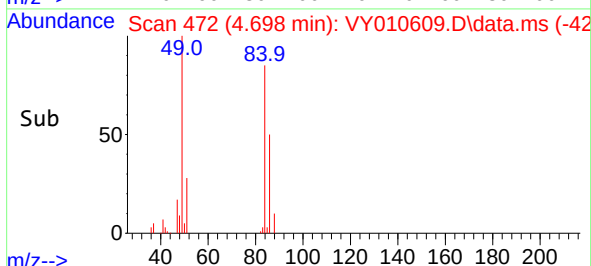
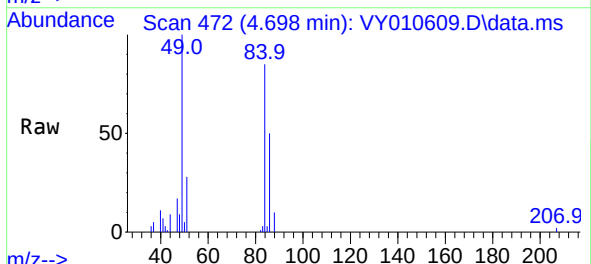


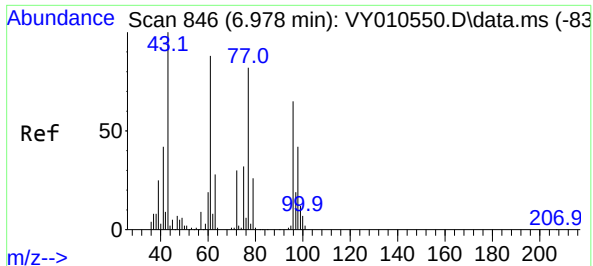
Tgt Ion: 43 Resp: 181
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.012 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Tgt Ion: 84 Resp: 10629
Ion Ratio Lower Upper
84 100
49 117.4 114.4 171.6
51 32.7 35.3 52.9#
86 58.2 53.7 80.5





#25

2-Butanone

Concen: 2.724 ug/l

RT: 6.978 min Scan# 846

Delta R.T. -0.000 min

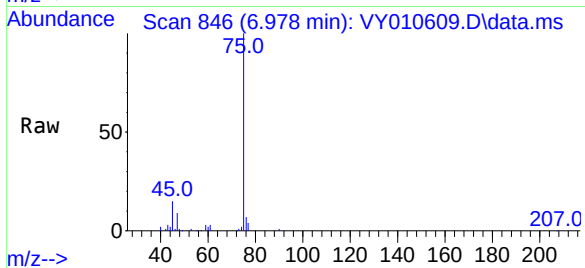
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Acq: 21 Sep 2022 19:15

Instrument :

MSVOA_Y

ClientSampleId :

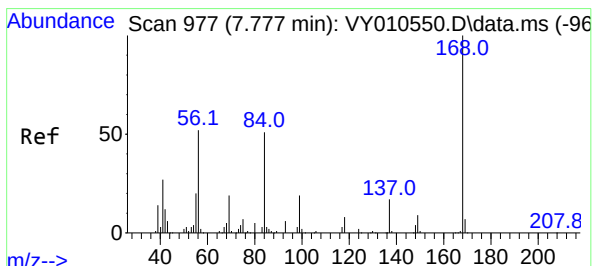
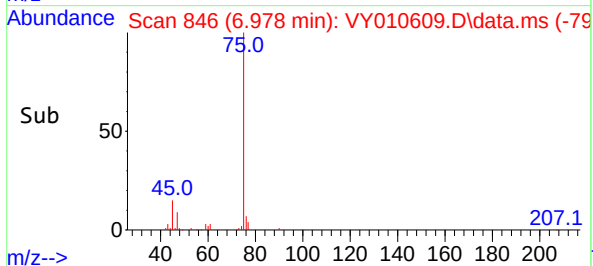
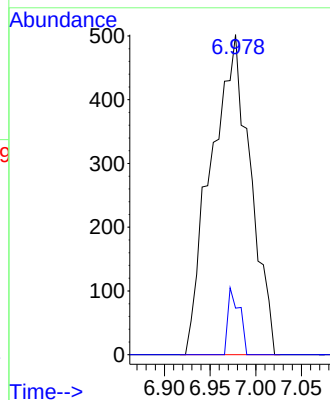


Tgt Ion: 43 Resp: 1499

Ion Ratio Lower Upper

43 100

72 14.5 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.789 min Scan# 979

Delta R.T. 0.012 min

Lab File: VY010609.D

Acq: 21 Sep 2022 19:15

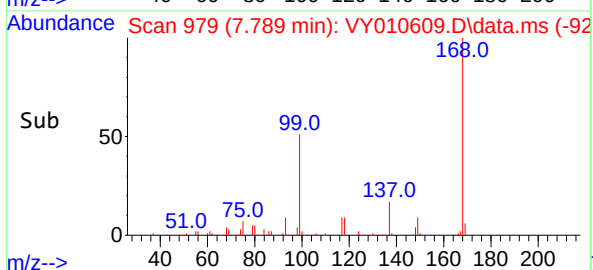
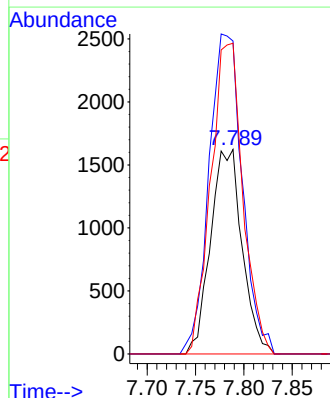
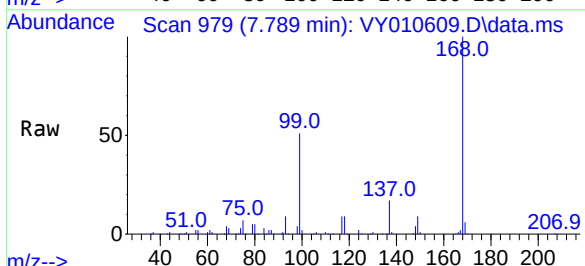
Tgt Ion: 56 Resp: 3685

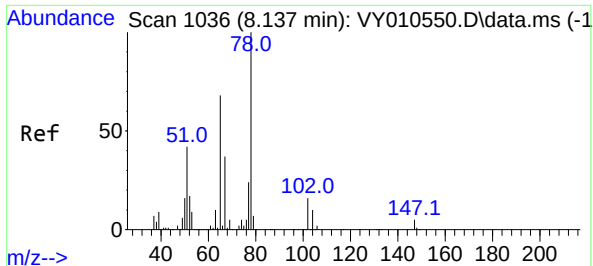
Ion Ratio Lower Upper

56 100

69 153.0 26.7 40.1#

84 156.1 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 56.543 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010609.D

Acq: 21 Sep 2022 19:15

Instrument :

MSVOA_Y

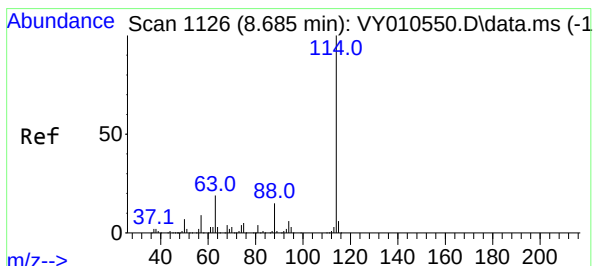
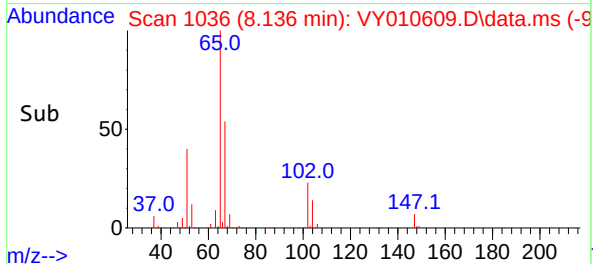
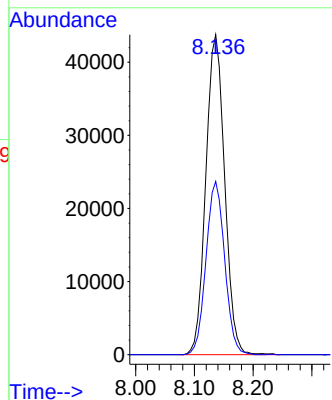
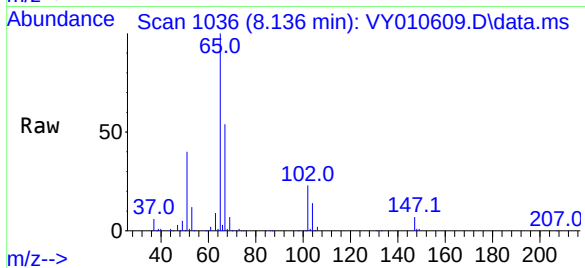
ClientSampleId :

Tgt Ion: 65 Resp: 97560

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: VY010609.D

Acq: 21 Sep 2022 19:15

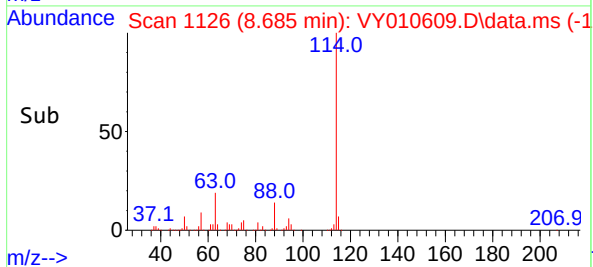
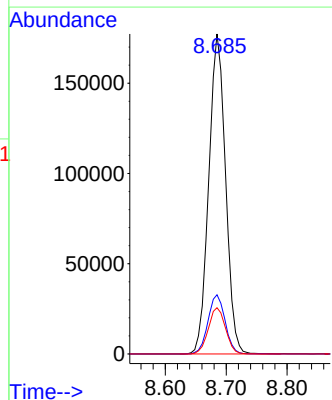
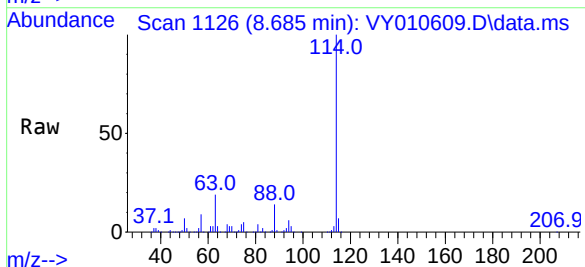
Tgt Ion: 114 Resp: 339477

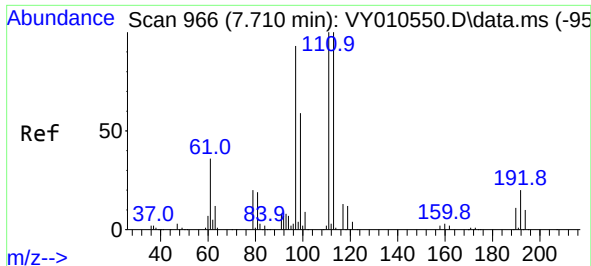
Ion Ratio Lower Upper

114 100

63 18.5 0.0 43.2

88 14.5 0.0 31.8

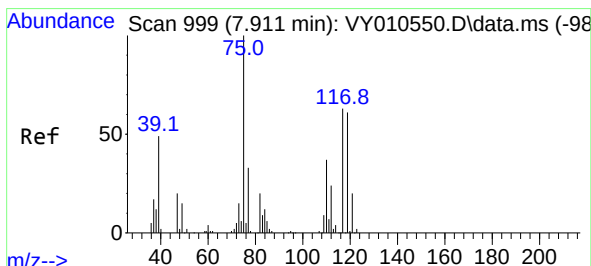
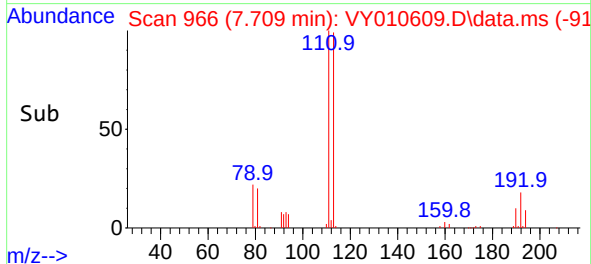
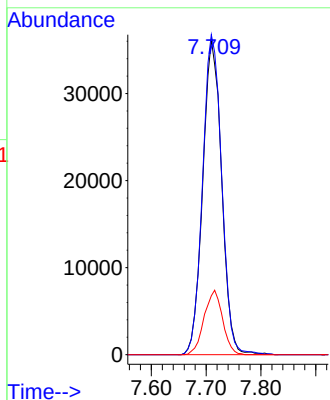
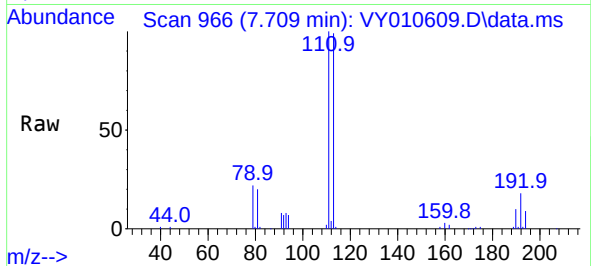




#35
Dibromofluoromethane
Concen: 39.913 ug/l
RT: 7.709 min Scan# 910
Delta R.T. -0.001 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

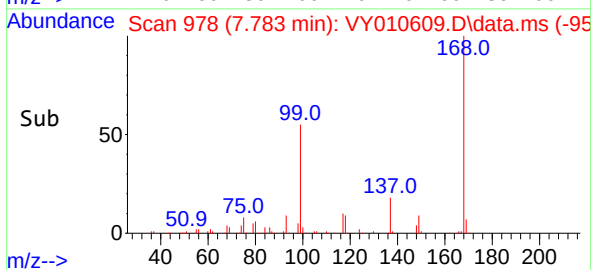
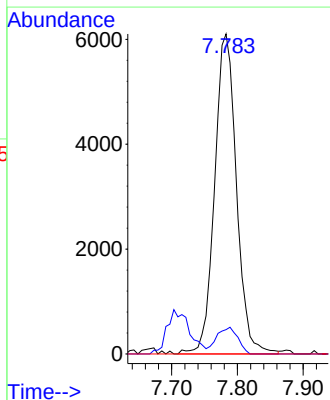
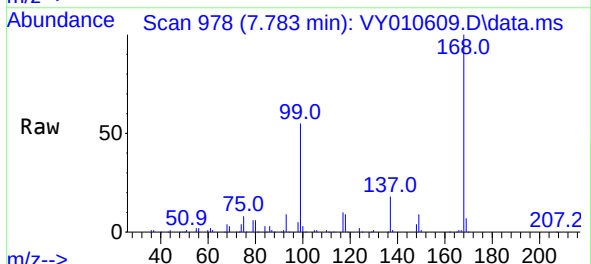
Instrument :
MSVOA_Y
ClientSampleId :

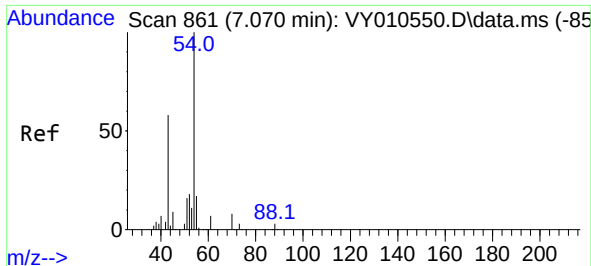
Tgt Ion:113 Resp: 86473
Ion Ratio Lower Upper
113 100
111 102.5 82.6 124.0
192 20.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 5.843 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

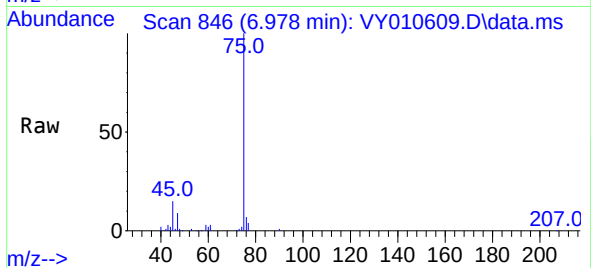
Tgt Ion: 75 Resp: 14106
Ion Ratio Lower Upper
75 100
110 8.1 17.1 51.2#
77 0.0 24.4 36.6#



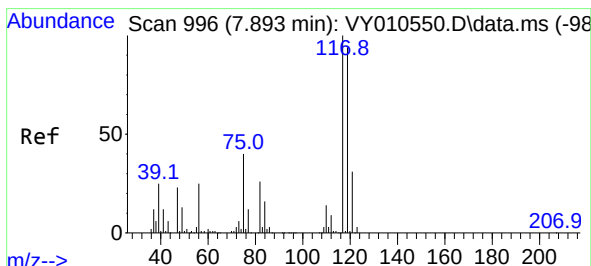
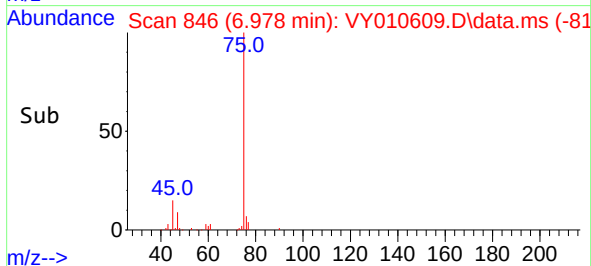
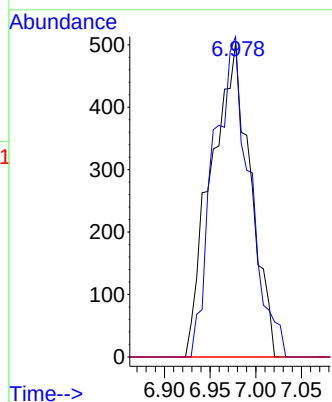


#37
Ethyl Acetate
Concen: 1.075 ug/l
RT: 6.978 min Scan# 84
Delta R.T. -0.092 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Instrument :
MSVOA_Y
ClientSampleId :

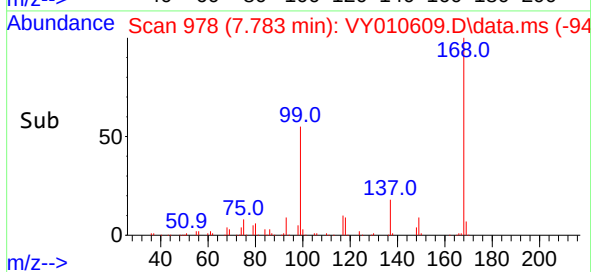
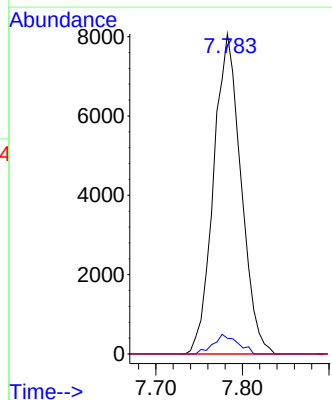
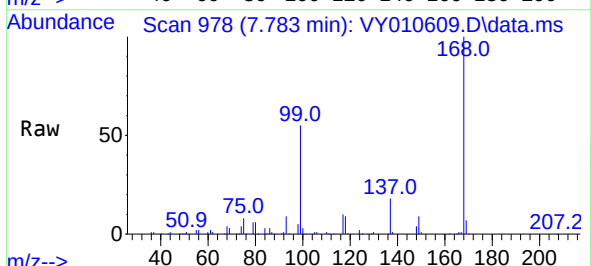


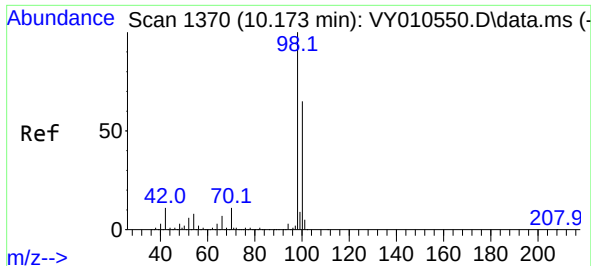
Tgt Ion: 43 Resp: 1499
Ion Ratio Lower Upper
43 100
61 94.3 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 6.392 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.110 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Tgt Ion: 117 Resp: 17742
Ion Ratio Lower Upper
117 100
119 4.9 77.9 116.9#
121 0.0 24.8 37.2#

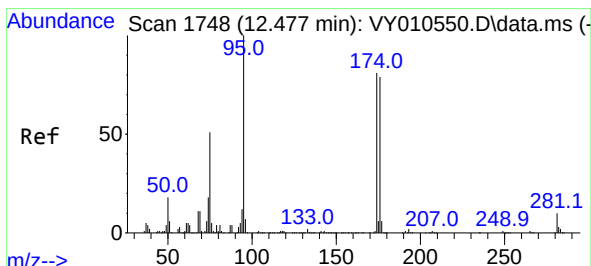
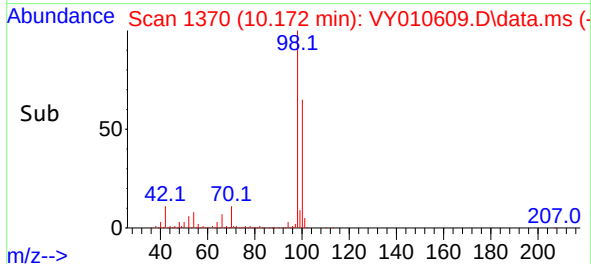
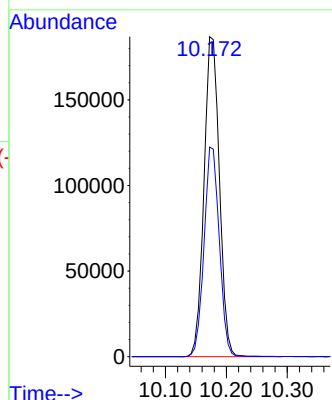
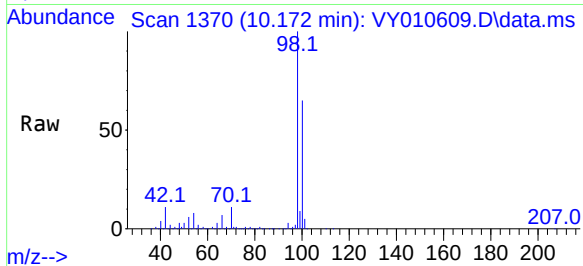




#50
Toluene-d8
Concen: 41.603 ug/l
RT: 10.172 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

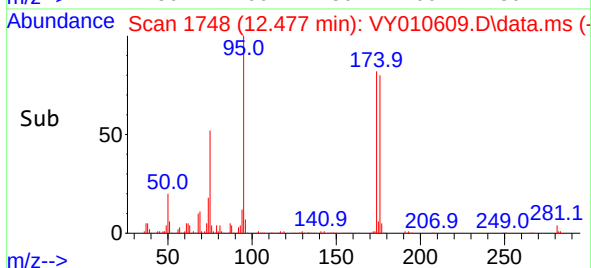
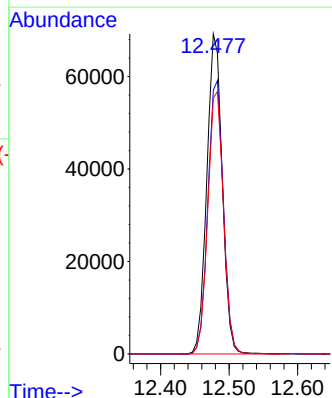
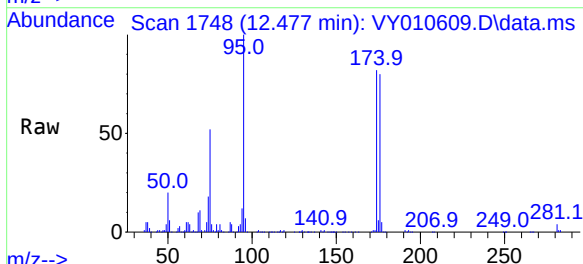
Instrument :
MSVOA_Y
ClientSampleId :

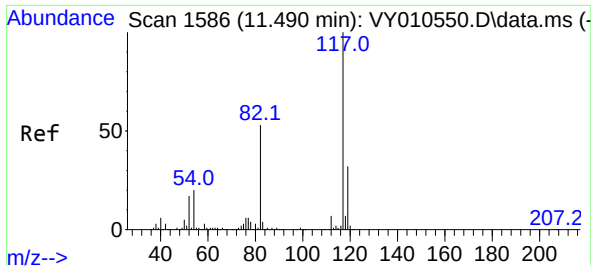
Tgt Ion: 98 Resp: 328637
Ion Ratio Lower Upper
98 100
100 64.7 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 35.698 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

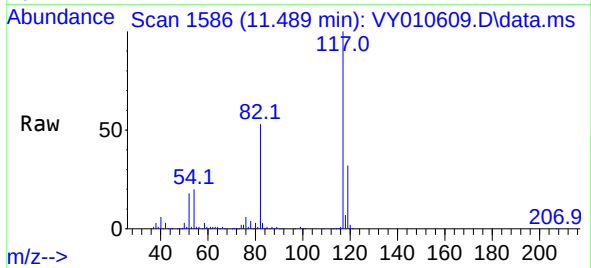
Tgt Ion: 95 Resp: 108377
Ion Ratio Lower Upper
95 100
174 86.4 0.0 177.0
176 83.3 0.0 175.8



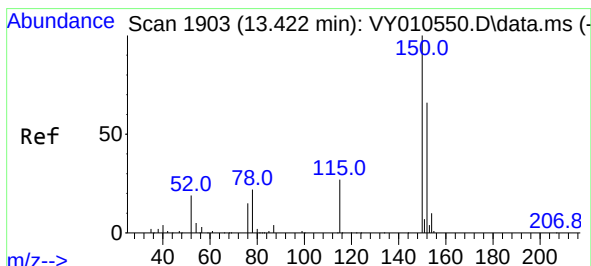
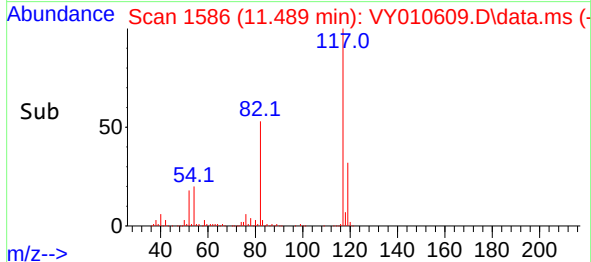
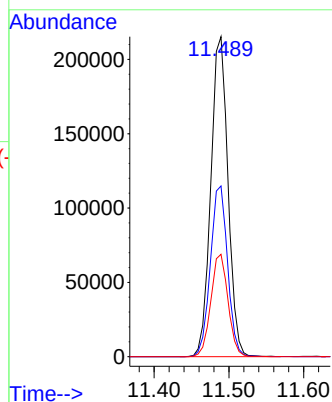


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Instrument :
MSVOA_Y
ClientSampleId :

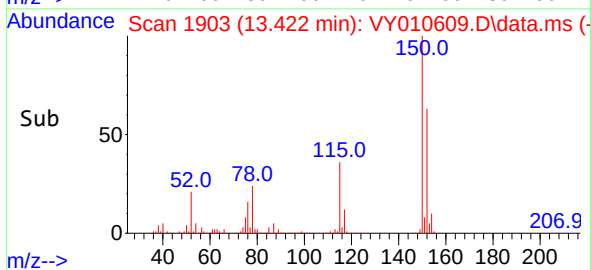
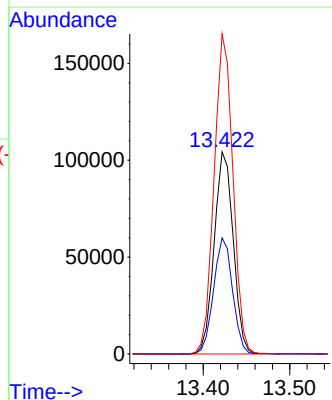
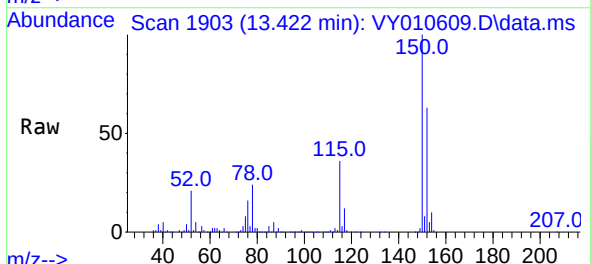


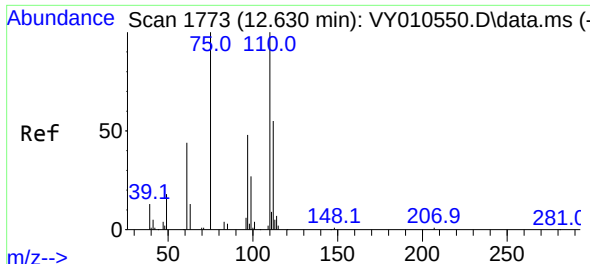
Tgt Ion:117 Resp: 343958
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.0 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Tgt Ion:152 Resp: 159568
Ion Ratio Lower Upper
152 100
115 57.2 28.2 84.7
150 156.7 0.0 347.6

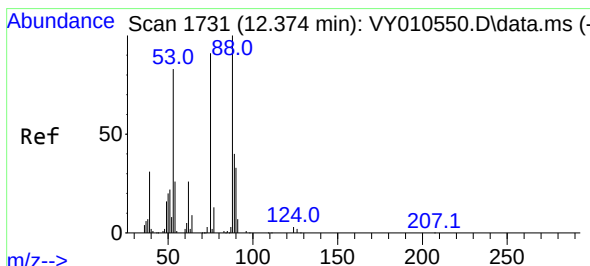
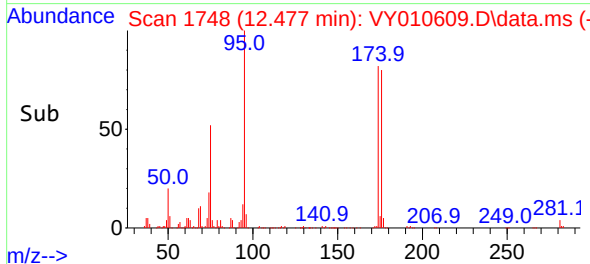
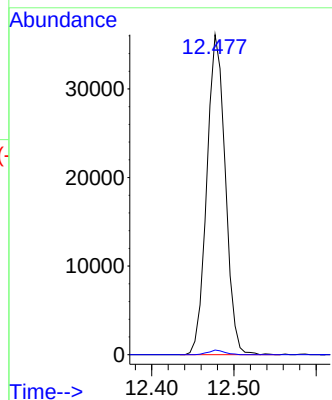
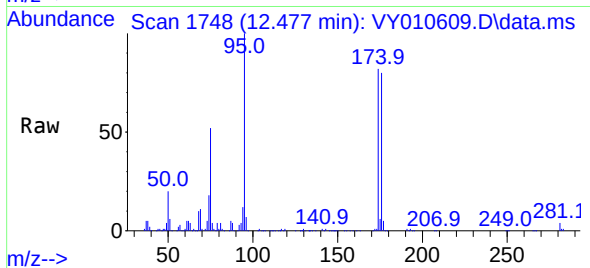




#76
1,2,3-Trichloropropane
Concen: 37.047 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 56422
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 82.372 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010609.D
Acq: 21 Sep 2022 19:15

Tgt Ion: 75 Resp: 56422
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

