

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010602.D
 Acq On : 21 Sep 2022 16:31
 Operator : KP/MD
 Sample : N4697-05
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 22 06:10:34 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	20922	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	35086	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	32304	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	11947	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	10113	50.536	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.080%
35) Dibromofluoromethane	7.710	113	8209	36.661	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	73.320%
50) Toluene-d8	10.179	98	31934	39.301	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	78.600%
62) 4-Bromofluorobenzene	12.477	95	8847	27.595	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	55.200%

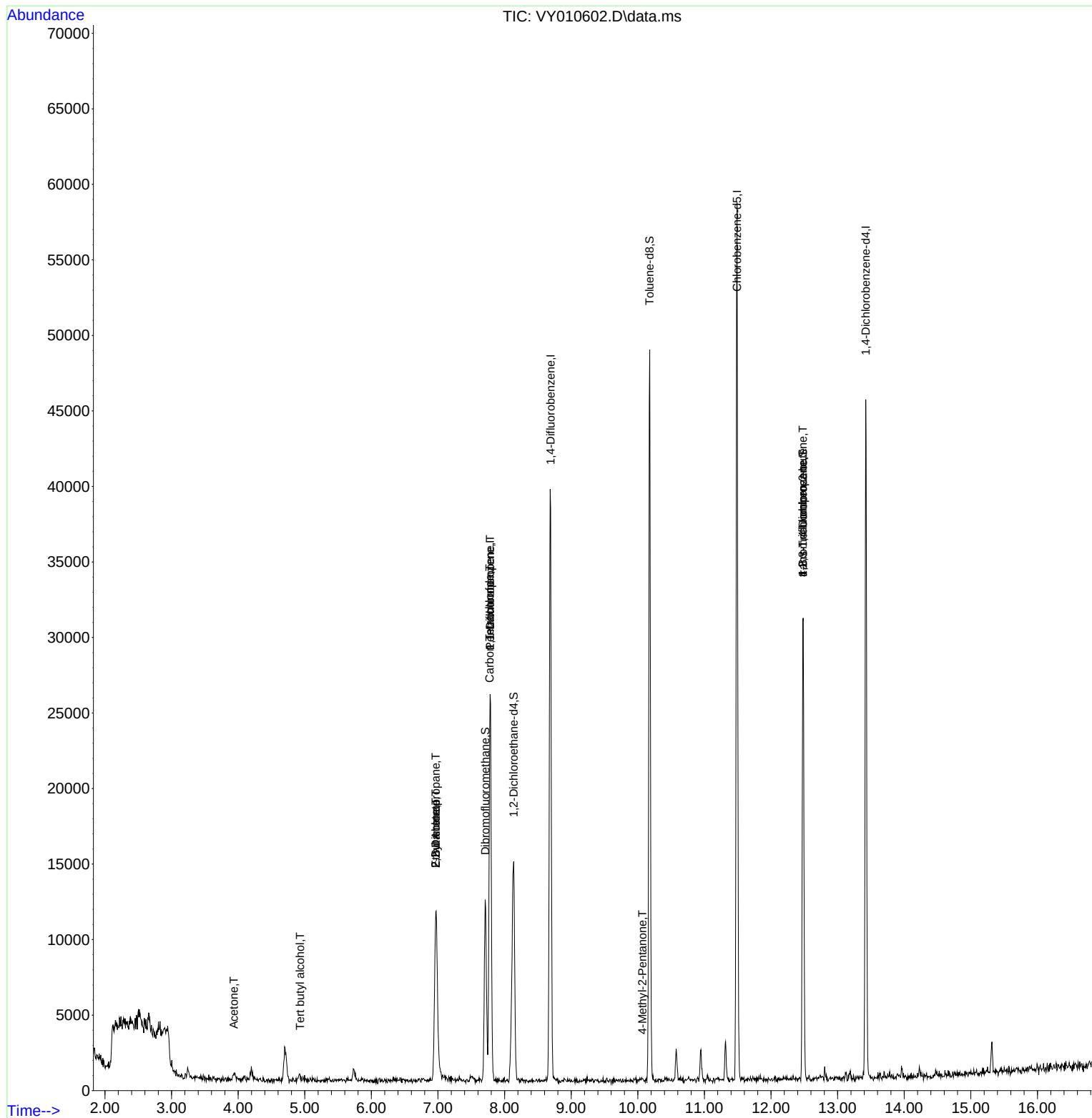
Target Compounds			Qvalue			
2) Dichlorodifluoromethane	1.906	85	82	Below Cal	#	43
3) Chloromethane	2.113	50	286	Below Cal	#	56
4) Vinyl Chloride	2.241	62	22	Below Cal	#	43
5) Bromomethane	2.656	94	359	Below Cal		84
11) Tert butyl alcohol	4.930	59	310	6.435	ug/l #	77
16) Acetone	3.936	43	881	21.589	ug/l	98
18) Methyl Acetate	4.204	43	217	Below Cal	#	56
20) Methylene Chloride	4.710	84	1633	Below Cal	#	58
25) 2-Butanone	6.966	43	646	10.121	ug/l #	54
26) 2,2-Dichloropropane	6.966	77	1000	3.295	ug/l #	55
31) Cyclohexane	7.777	56	256	Below Cal	#	52
36) 1,1-Dichloropropene	7.783	75	1616	6.477	ug/l #	46
37) Ethyl Acetate	6.966	43	646	4.483	ug/l #	36
38) Carbon Tetrachloride	7.777	117	1947	6.787	ug/l #	11
51) 4-Methyl-2-Pentanone	10.069	43	203	1.361	ug/l #	40
76) 1,2,3-Trichloropropane	12.477	75	4737	41.543	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	4737	92.368	ug/l #	7

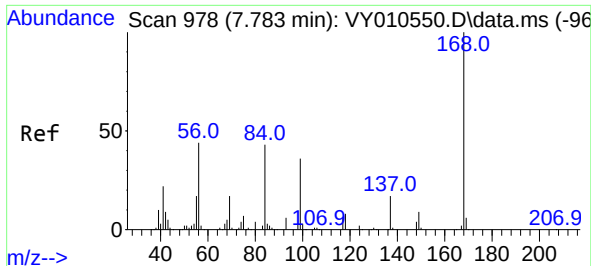
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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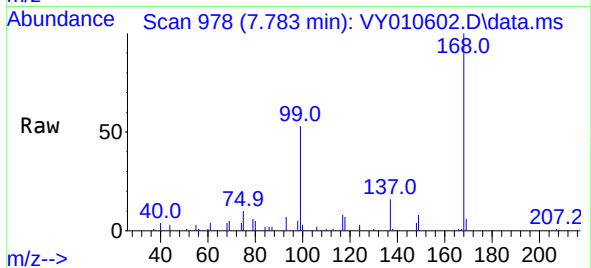
Quant Time: Sep 22 06:10:34 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
Quant Title : SW846 8260
QLast Update : Tue Sep 20 01:02:44 2022
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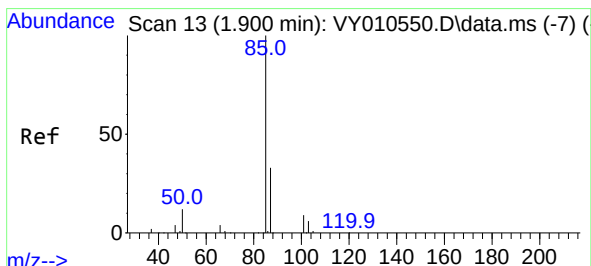
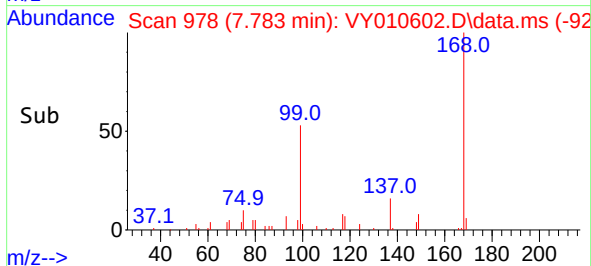
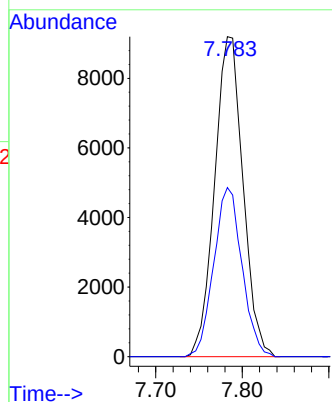


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

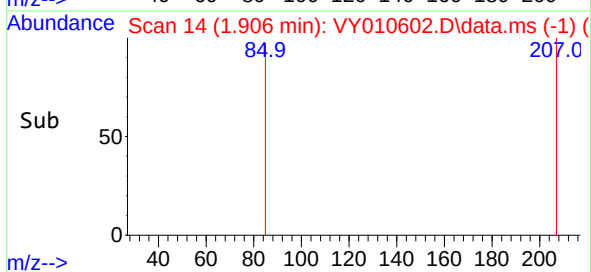
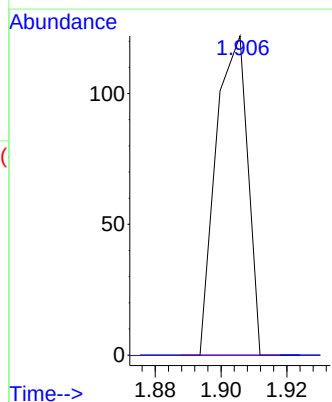
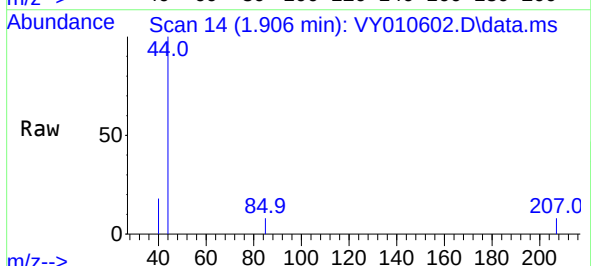


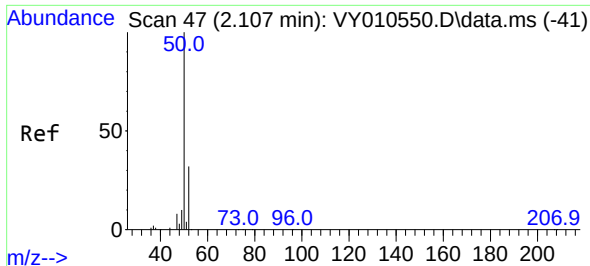
Tgt Ion:168 Resp: 20922
Ion Ratio Lower Upper
168 100
99 52.9 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.906 min Scan# 14
Delta R.T. 0.006 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 85 Resp: 82
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

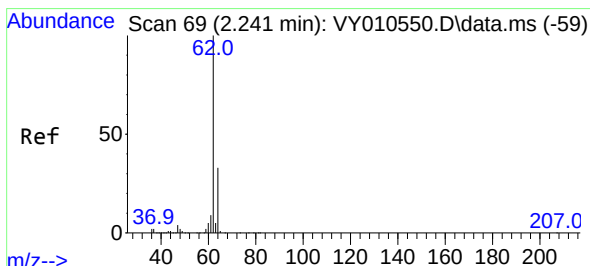
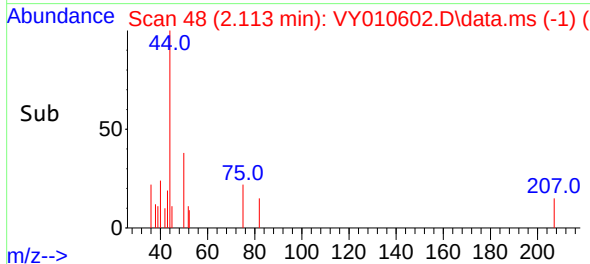
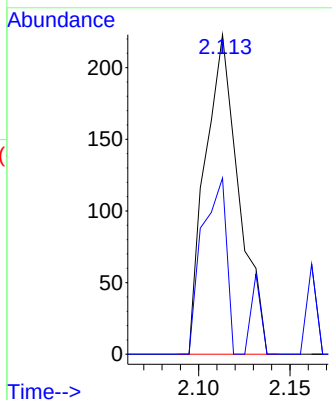
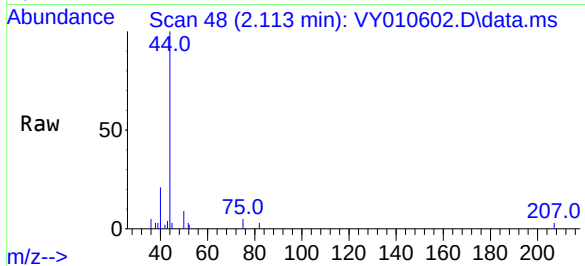




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

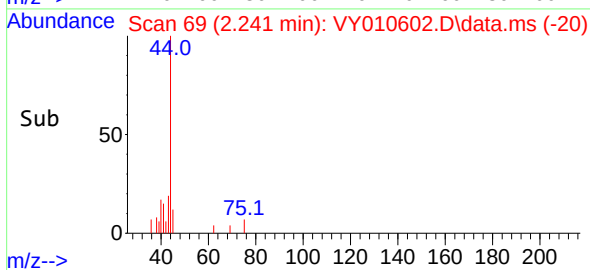
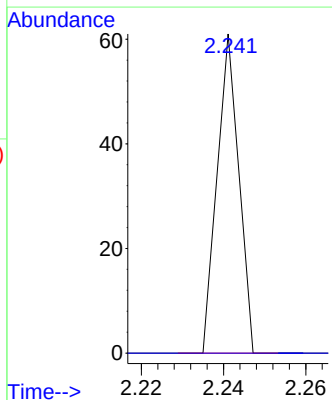
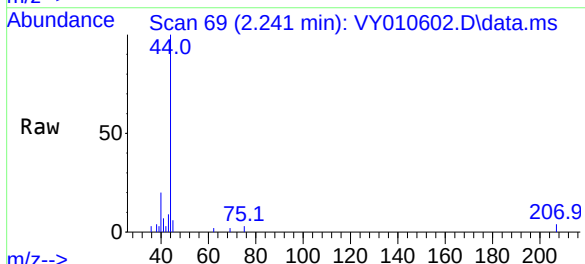
Instrument :
MSVOA_Y
ClientSampleId :

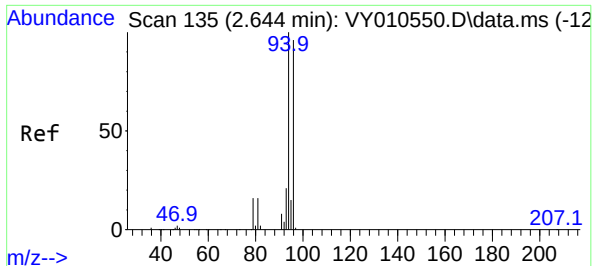
Tgt Ion: 50 Resp: 286
Ion Ratio Lower Upper
50 100
52 55.2 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.241 min Scan# 69
Delta R.T. 0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 62 Resp: 22
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

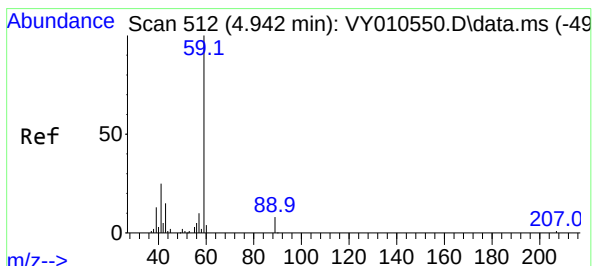
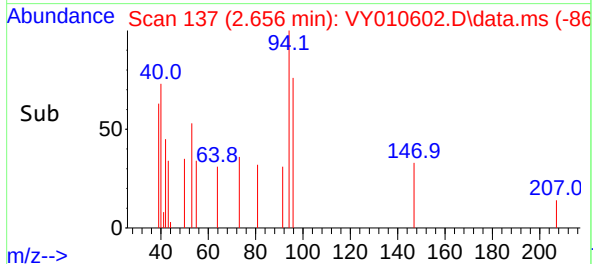
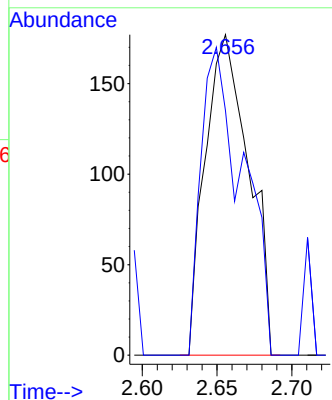
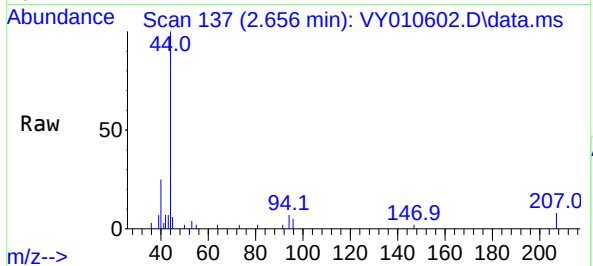




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

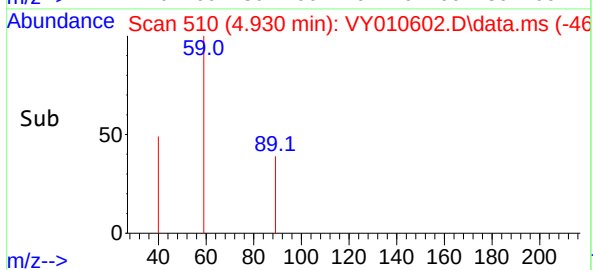
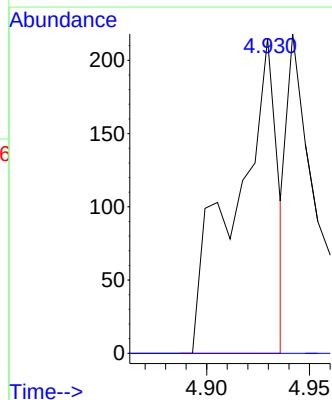
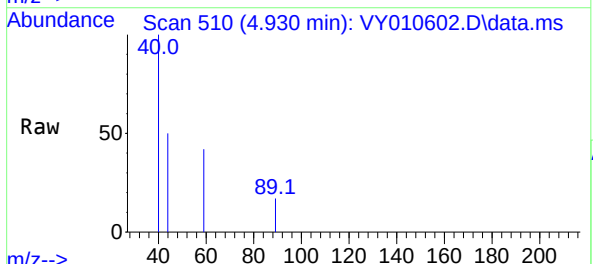
Instrument :
MSVOA_Y
ClientSampleId :

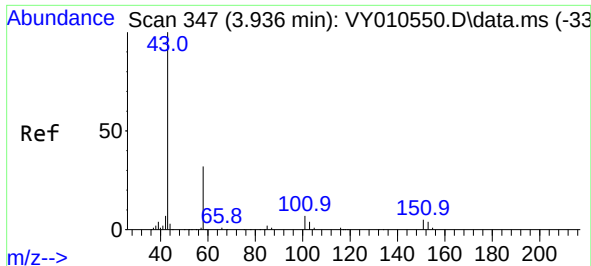
Tgt Ion: 94 Resp: 359
Ion Ratio Lower Upper
94 100
96 76.3 73.5 110.3



#11
Tert butyl alcohol
Concen: 6.435 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 59 Resp: 310
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

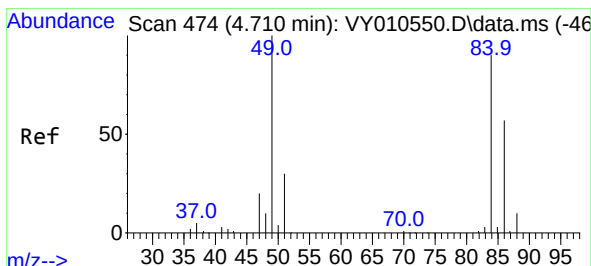
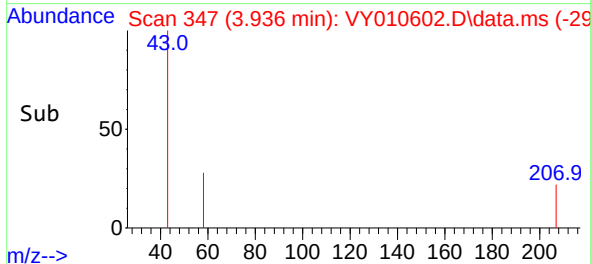
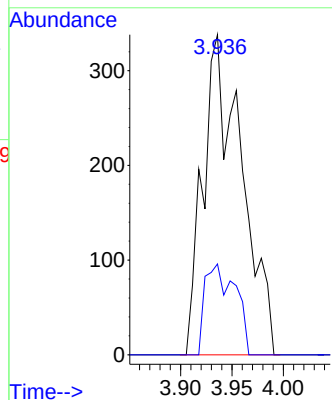
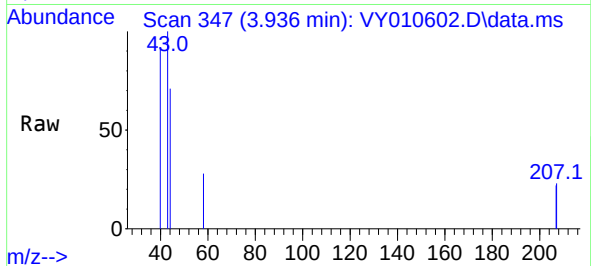




#16
Acetone
Concen: 21.589 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

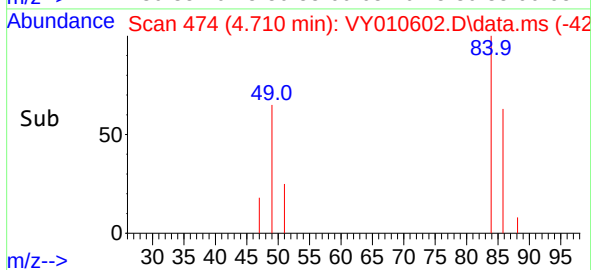
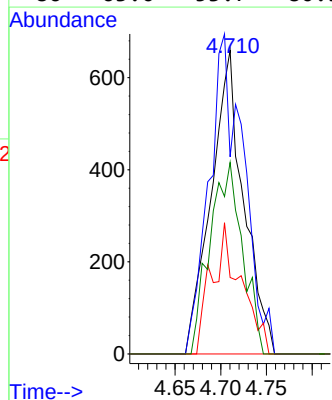
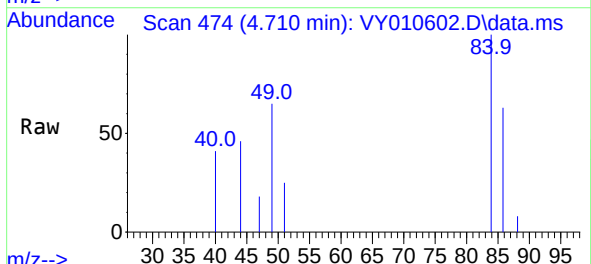
Instrument :
MSVOA_Y
ClientSampleId :

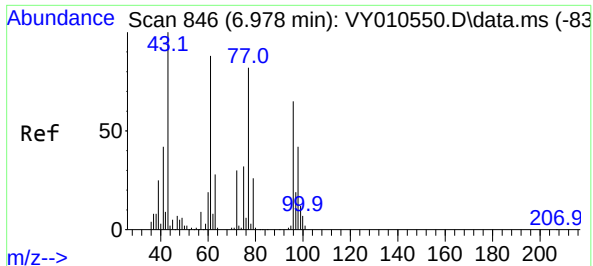
Tgt Ion: 43 Resp: 881
Ion Ratio Lower Upper
43 100
58 28.4 22.0 33.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 84 Resp: 1633
Ion Ratio Lower Upper
84 100
49 64.8 114.4 171.6#
51 25.2 35.3 52.9#
86 63.0 53.7 80.5





#25

2-Butanone

Concen: 10.121 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.012 min

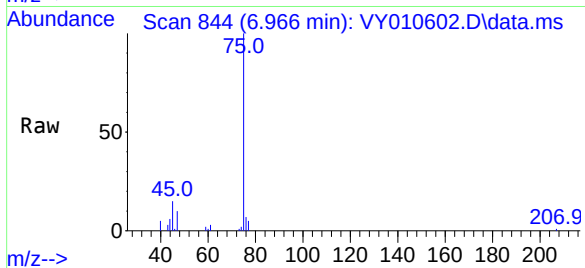
Lab File: VY010602.D

Acq: 21 Sep 2022 16:31

Instrument :

MSVOA_Y

ClientSampleId :

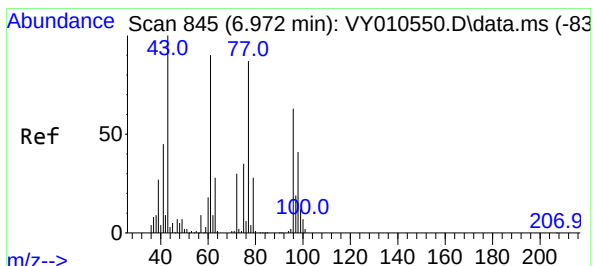
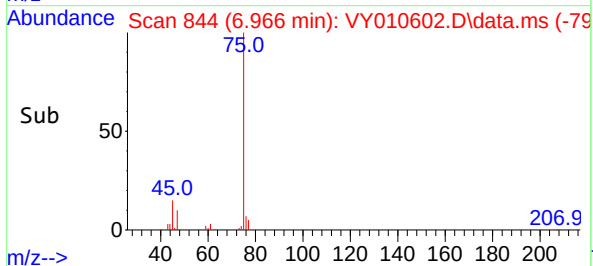
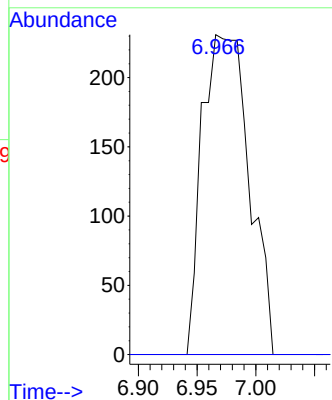


Tgt Ion: 43 Resp: 646

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#26

2,2-Dichloropropane

Concen: 3.295 ug/l

RT: 6.966 min Scan# 844

Delta R.T. -0.006 min

Lab File: VY010602.D

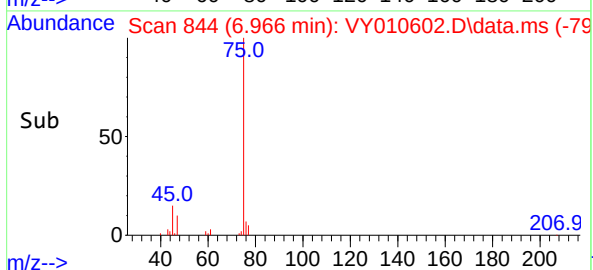
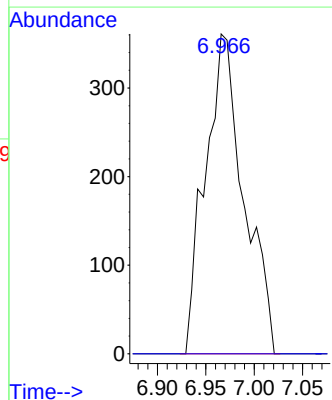
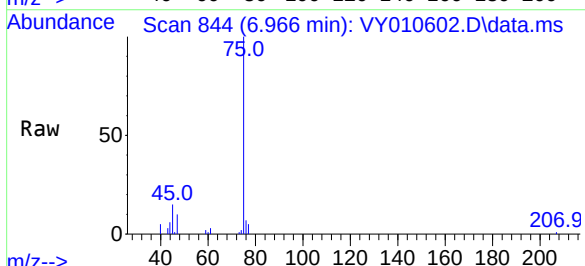
Acq: 21 Sep 2022 16:31

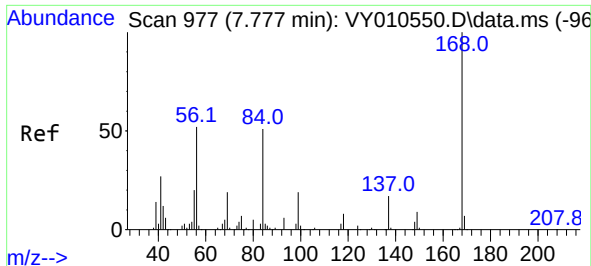
Tgt Ion: 77 Resp: 1000

Ion Ratio Lower Upper

77 100

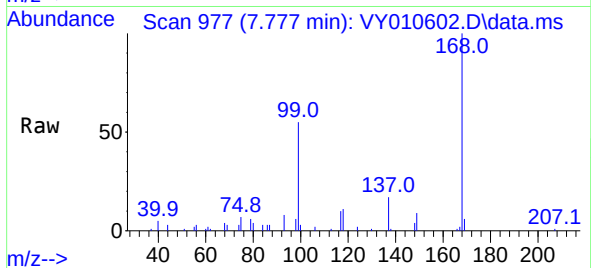
97 0.0 10.4 31.4#



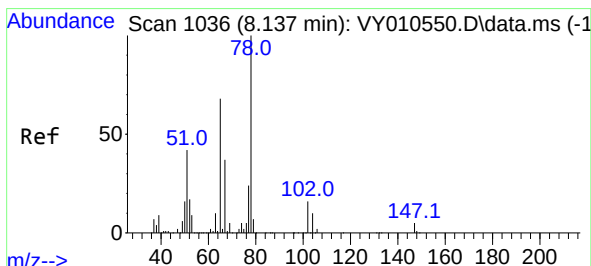
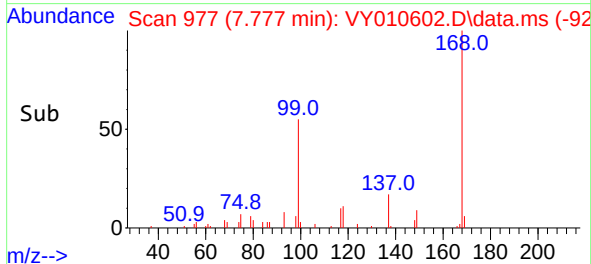
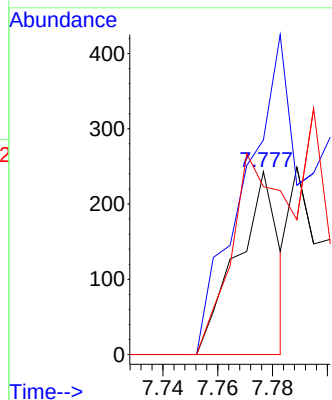


#31
Cyclohexane
Concen: Below Cal
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

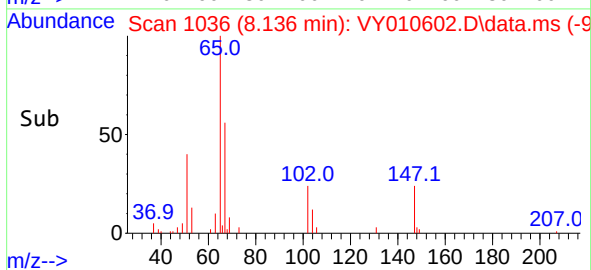
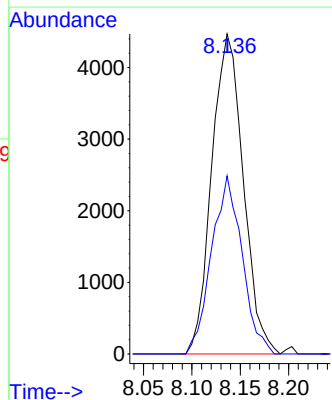
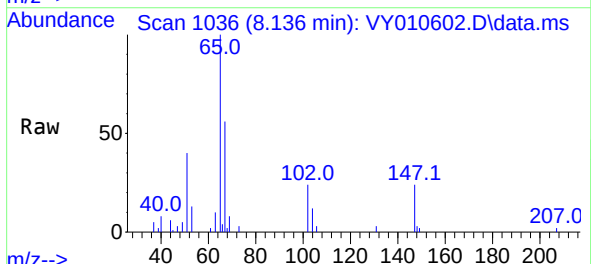


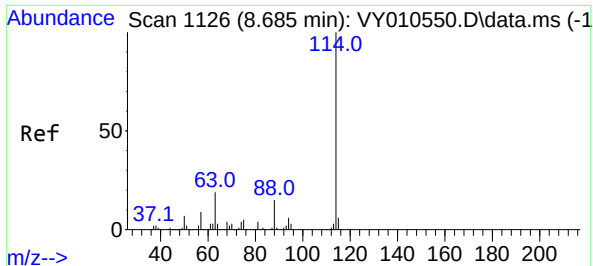
Tgt Ion: 56 Resp: 256
Ion Ratio Lower Upper
56 100
69 117.3 26.7 40.1#
84 91.8 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 50.536 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 65 Resp: 10113
Ion Ratio Lower Upper
65 100
67 53.9 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY010602.D

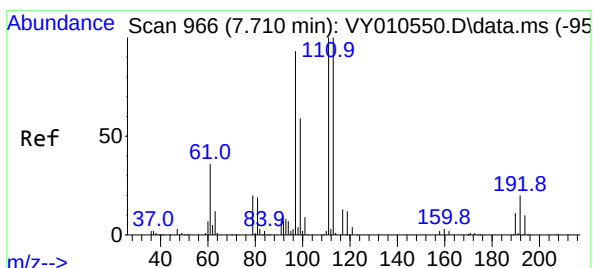
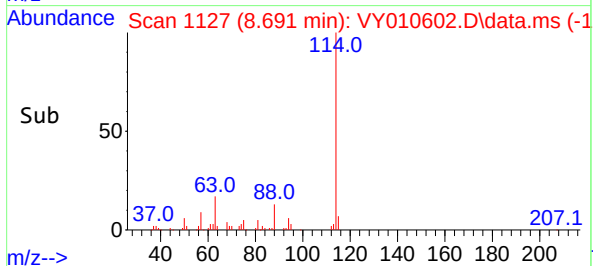
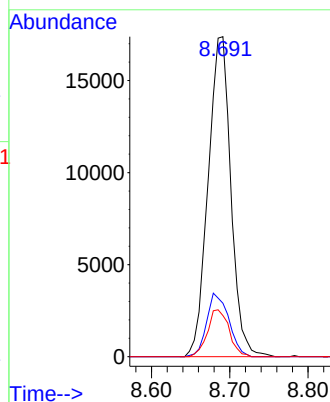
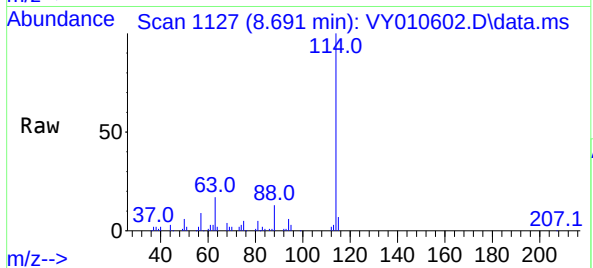
Acq: 21 Sep 2022 16:31

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:	114	Resp:	35086
Ion	Ratio	Lower	Upper
114	100		
63	16.7	0.0	43.2
88	12.9	0.0	31.8



#35

Dibromofluoromethane

Concen: 36.661 ug/l

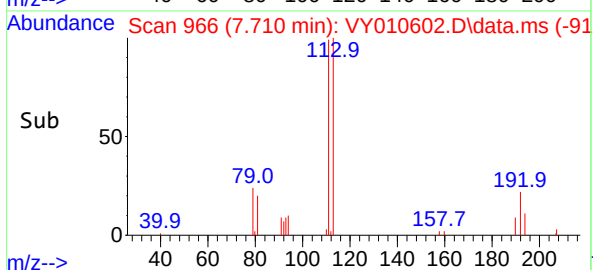
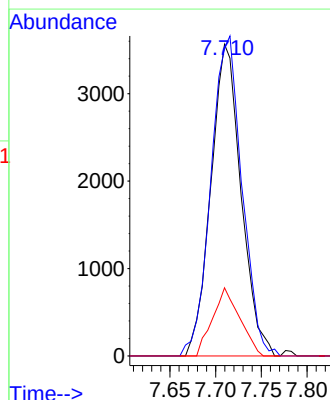
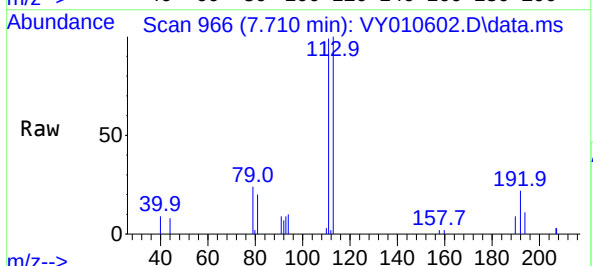
RT: 7.710 min Scan# 966

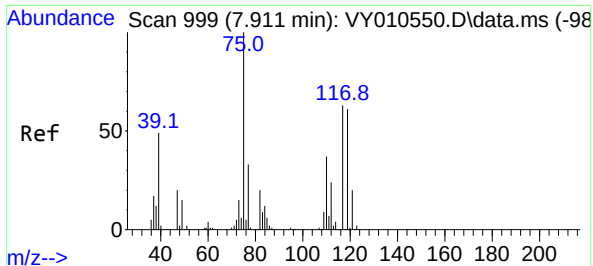
Delta R.T. -0.000 min

Lab File: VY010602.D

Acq: 21 Sep 2022 16:31

Tgt Ion:	113	Resp:	8209
Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.6	124.0
192	19.7	17.6	26.4





#36

1,1-Dichloropropene

Concen: 6.477 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010602.D

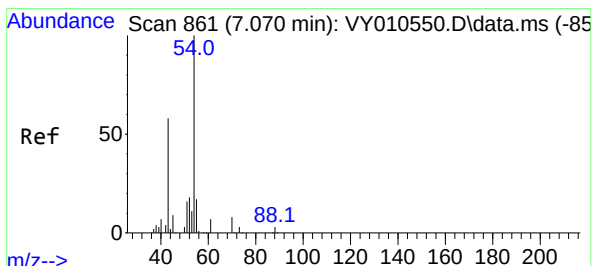
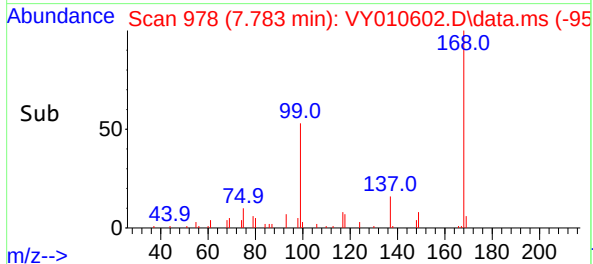
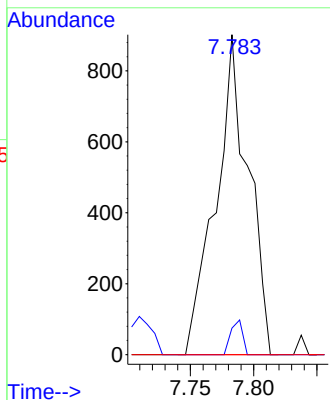
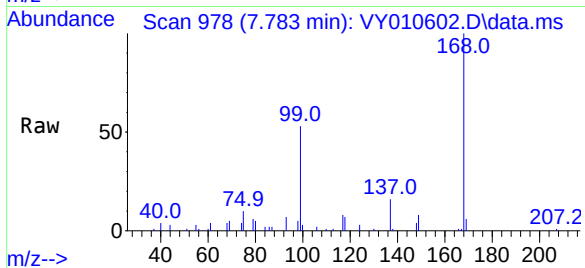
Acq: 21 Sep 2022 16:31

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion: 75	Resp:	1616
Ion	Ratio	Lower Upper
75	100	
110	3.9	17.1 51.2#
77	0.0	24.4 36.6#



#37

Ethyl Acetate

Concen: 4.483 ug/l

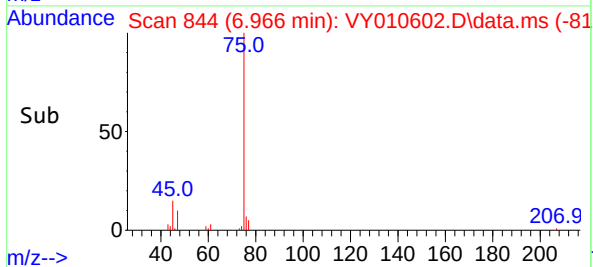
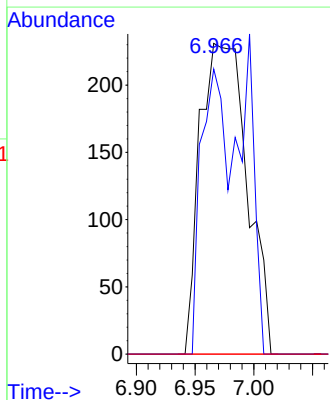
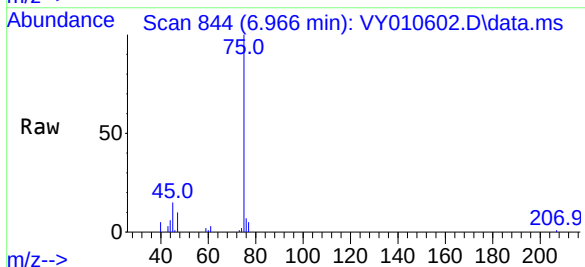
RT: 6.966 min Scan# 844

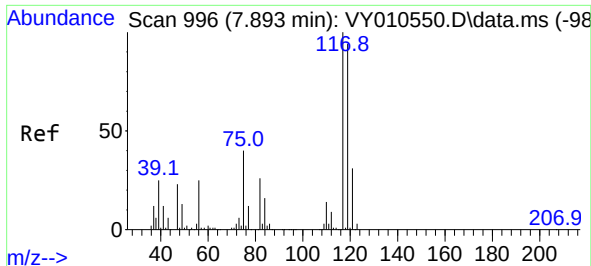
Delta R.T. -0.104 min

Lab File: VY010602.D

Acq: 21 Sep 2022 16:31

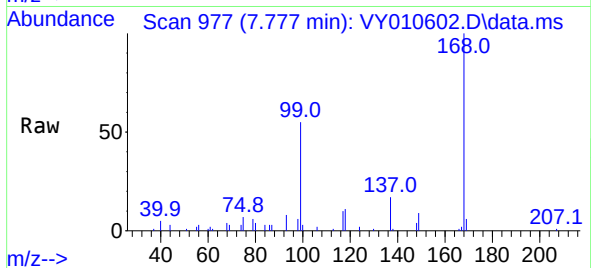
Tgt Ion: 43	Resp:	646
Ion	Ratio	Lower Upper
43	100	
61	48.3	9.7 14.5#
70	0.0	7.1 10.7#



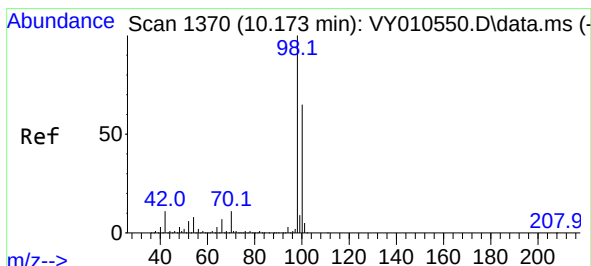
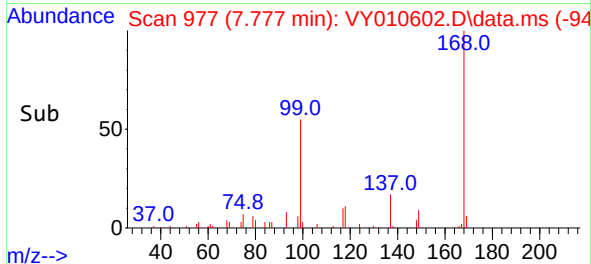
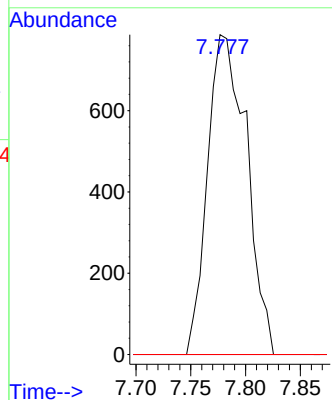


#38
Carbon Tetrachloride
Concen: 6.787 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

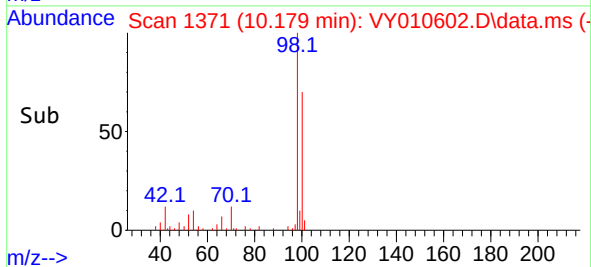
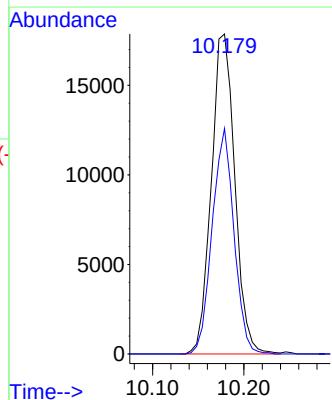
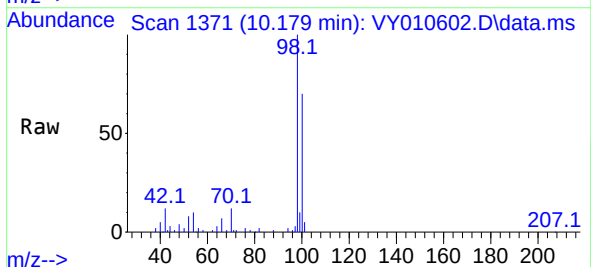


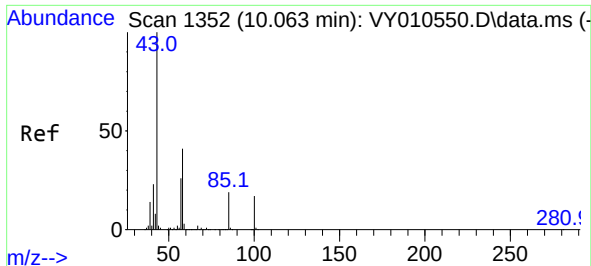
Tgt Ion:117 Resp: 1947
Ion Ratio Lower Upper
117 100
119 0.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 39.301 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 98 Resp: 31934
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

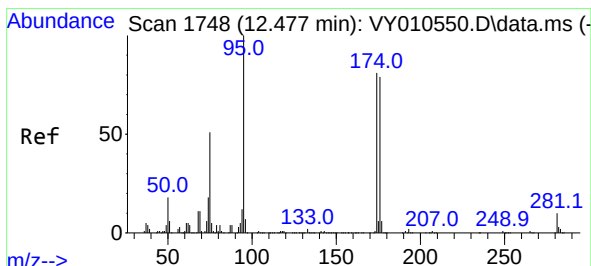
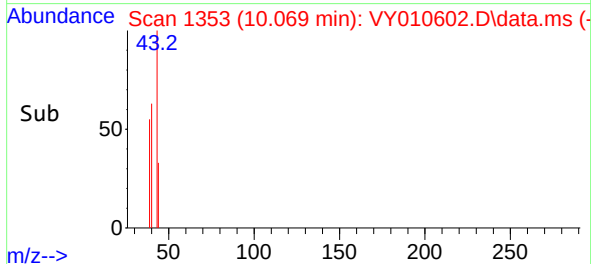
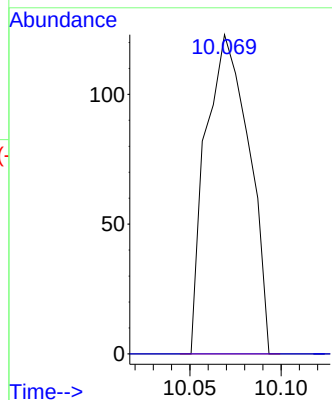
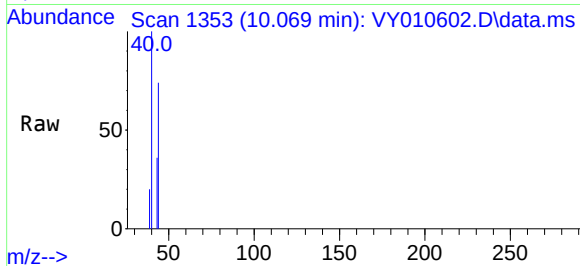




#51
4-Methyl-2-Pentanone
Concen: 1.361 ug/l
RT: 10.069 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

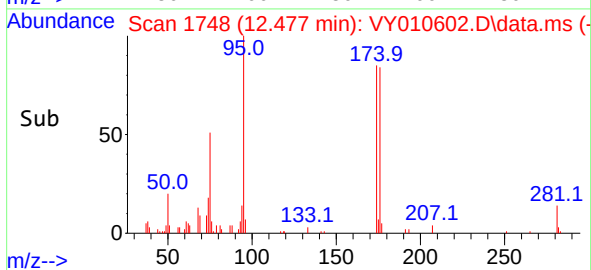
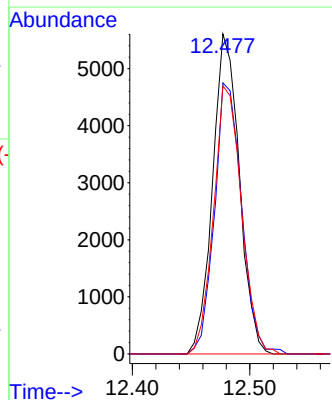
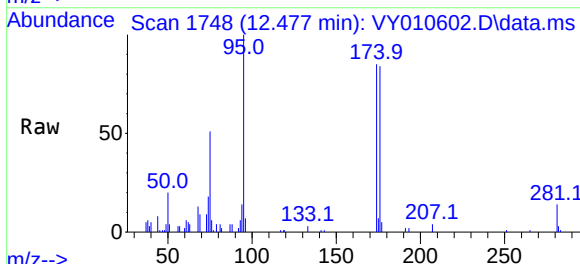
Instrument :
MSVOA_Y
ClientSampleId :

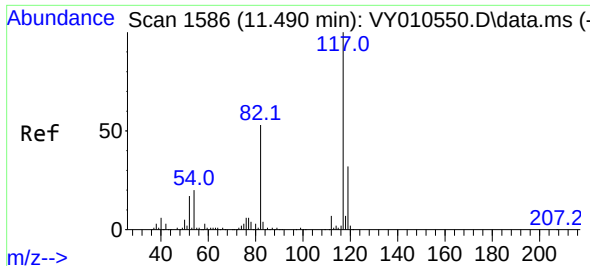
Tgt Ion: 43 Resp: 203
Ion Ratio Lower Upper
43 100
58 0.0 28.1 42.1#



#62
4-Bromofluorobenzene
Concen: 27.595 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

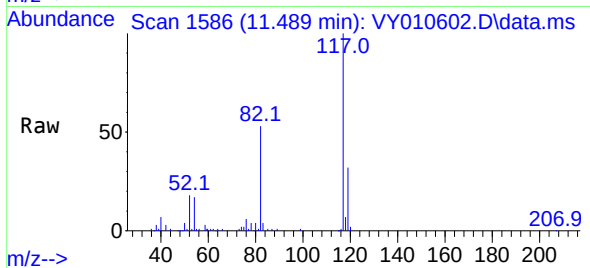
Tgt Ion: 95 Resp: 8847
Ion Ratio Lower Upper
95 100
174 86.2 0.0 177.0
176 87.5 0.0 175.8



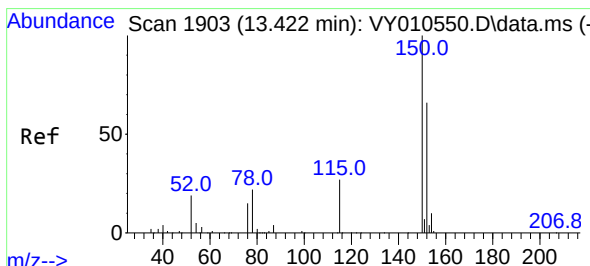
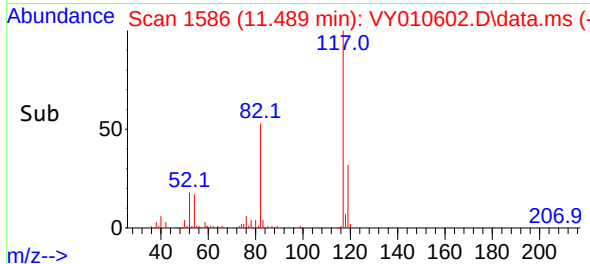
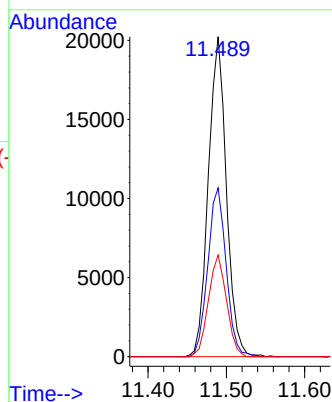


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.001 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

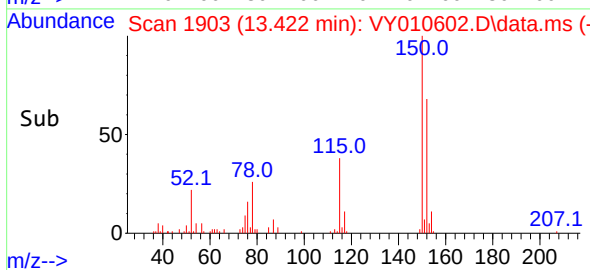
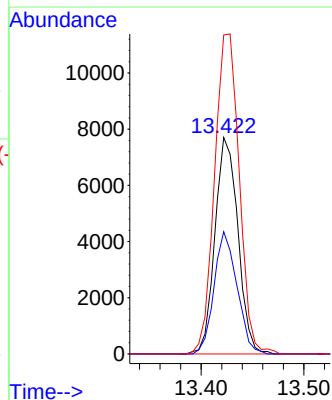
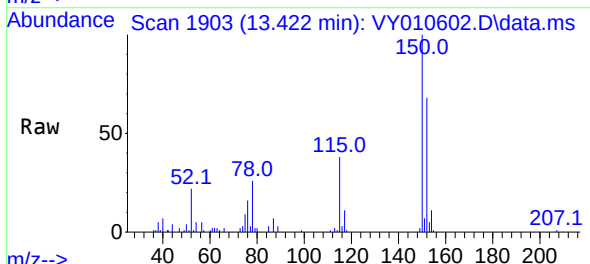


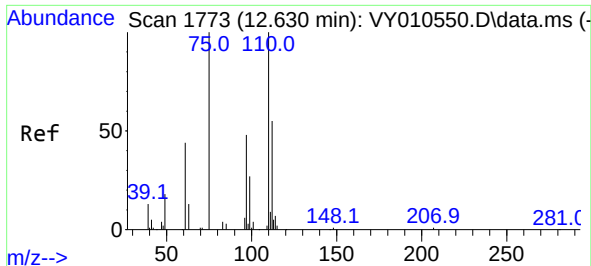
Tgt Ion:117 Resp: 32304
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion:152 Resp: 11947
Ion Ratio Lower Upper
152 100
115 56.3 28.2 84.7
150 158.7 0.0 347.6

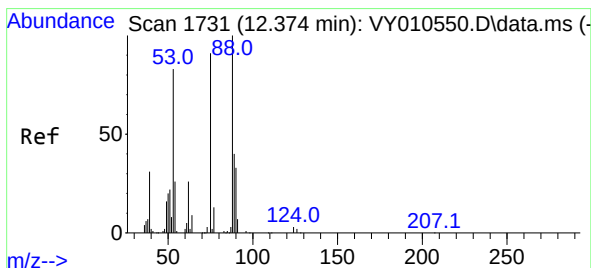
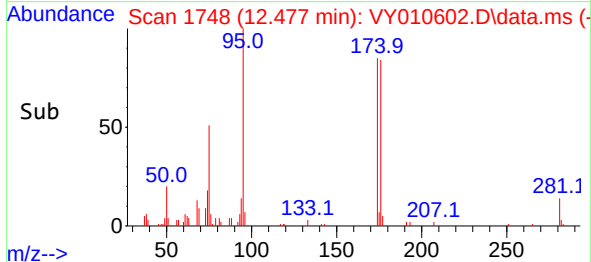
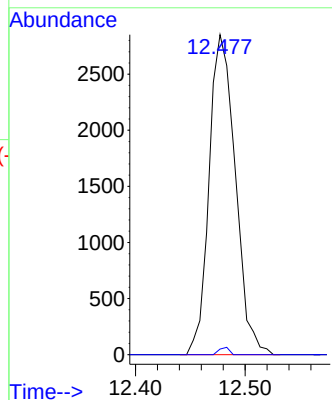
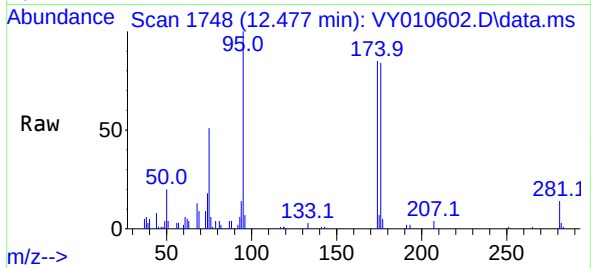




#76
1,2,3-Trichloropropane
Concen: 41.543 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 4737
Ion Ratio Lower Upper
75 100
77 0.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 92.368 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010602.D
Acq: 21 Sep 2022 16:31

Tgt Ion: 75 Resp: 4737
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

