

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092122\
 Data File : VY010592.D
 Acq On : 21 Sep 2022 11:48
 Operator : KP/MD
 Sample : VY0921SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 15:34:16 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)

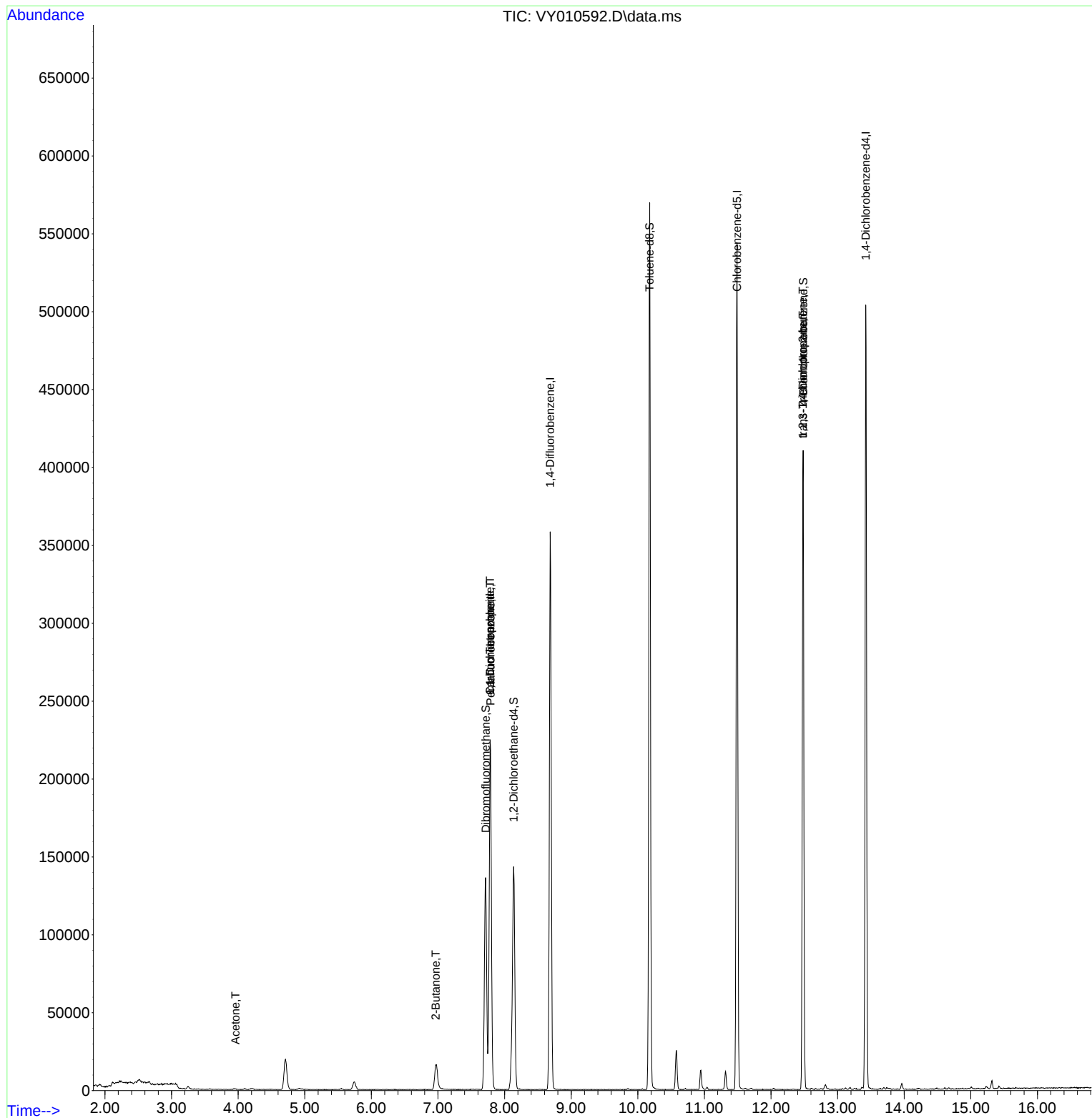
Internal Standards						
1) Pentafluorobenzene	7.789	168	176023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	309493	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	291186	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131559	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	104148	61.860	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.720%	
35) Dibromofluoromethane	7.716	113	96305	48.757	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 97.520%	
50) Toluene-d8	10.179	98	369636	50.596	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 101.200%	
62) 4-Bromofluorobenzene	12.483	95	122677	45.013	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 90.020%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.900	85	386	Below Cal		89
3) Chloromethane	2.113	50	700	Below Cal		98
4) Vinyl Chloride	2.412	62	19	Below Cal	#	43
5) Bromomethane	2.656	94	403	Below Cal		87
11) Tert butyl alcohol	4.930	59	862	Below Cal	#	77
16) Acetone	3.960	43	834	2.429 ug/l	#	81
17) Carbon Disulfide	4.180	76	82	Below Cal	#	75
18) Methyl Acetate	4.479	43	165	Below Cal	#	56
20) Methylene Chloride	4.710	84	14988	Below Cal	#	83
25) 2-Butanone	6.966	43	915	1.704 ug/l	#	54
31) Cyclohexane	7.783	56	3619	Below Cal	#	11
36) 1,1-Dichloropropene	7.783	75	13334	6.059 ug/l	#	50
38) Carbon Tetrachloride	7.783	117	17054	6.739 ug/l	#	15
76) 1,2,3-Trichloropropane	12.477	75	63263	50.383 ug/l	#	100
81) trans-1,4-Dichloro-2-b...	12.477	75	63263	112.023 ug/l	#	7

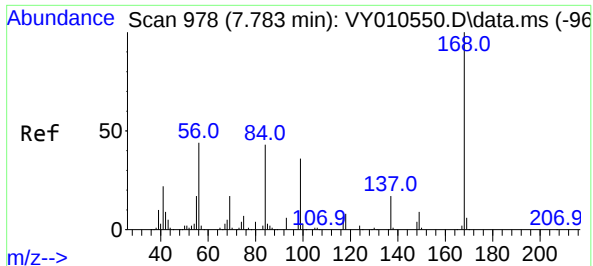
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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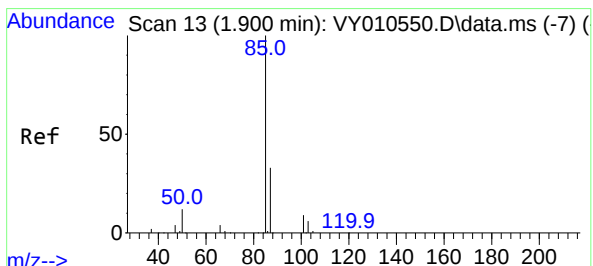
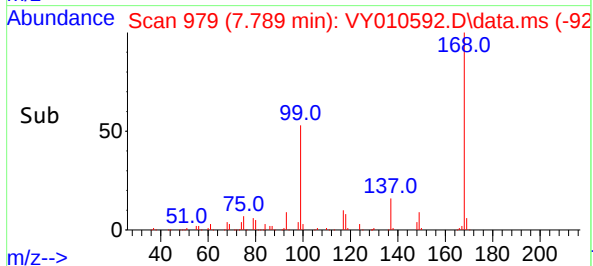
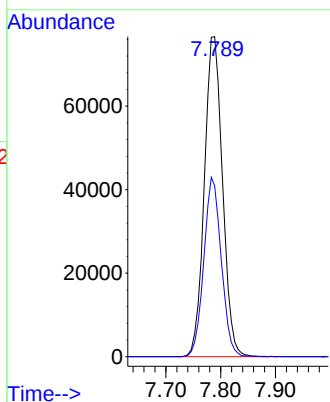
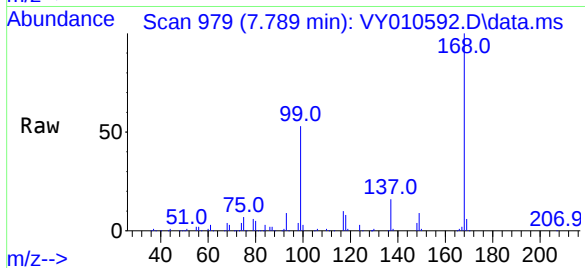




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

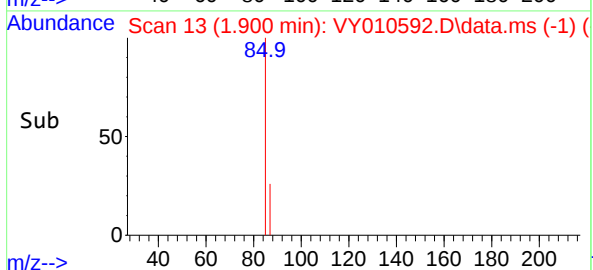
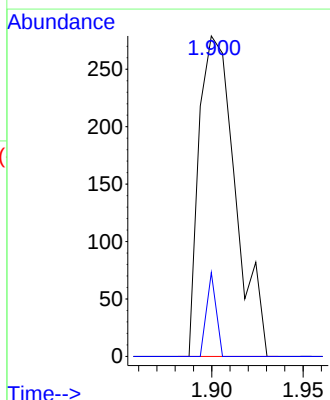
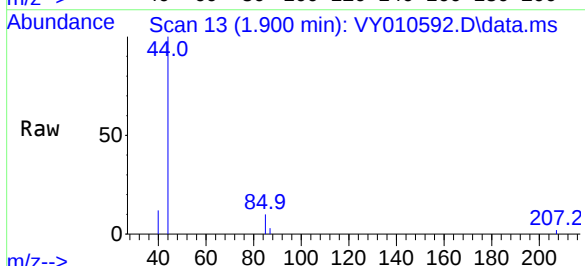
Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:168 Resp: 176023
Ion Ratio Lower Upper
168 100
99 53.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Tgt Ion: 85 Resp: 386
Ion Ratio Lower Upper
85 100
87 26.2 16.1 48.2

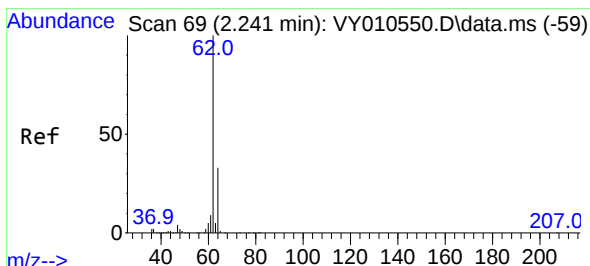
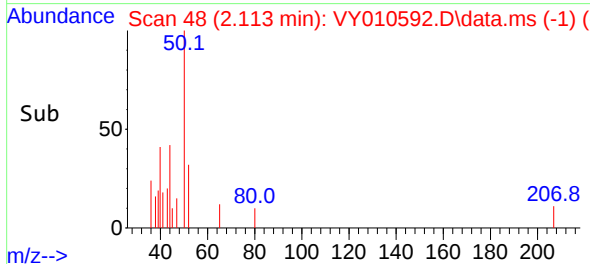
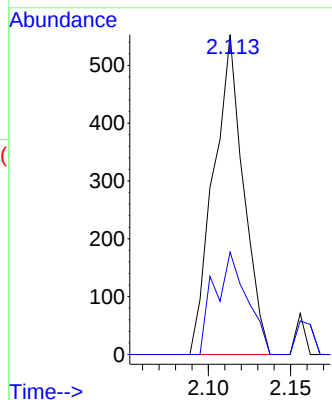
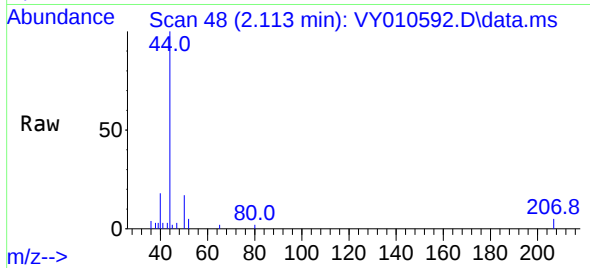




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

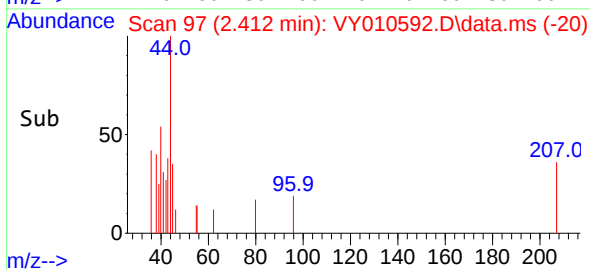
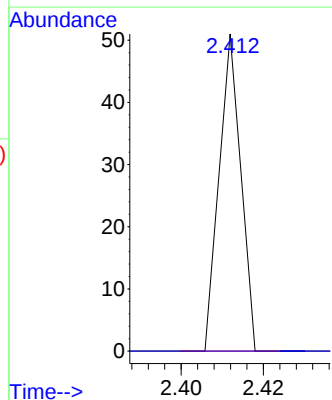
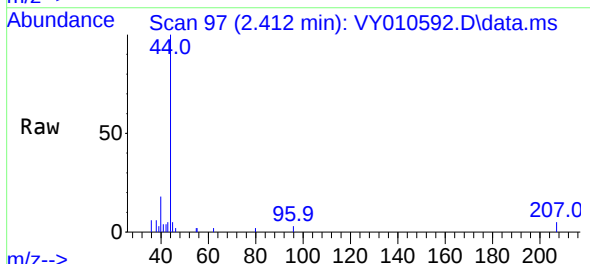
Instrument :
MSVOA_Y
ClientSampleId :

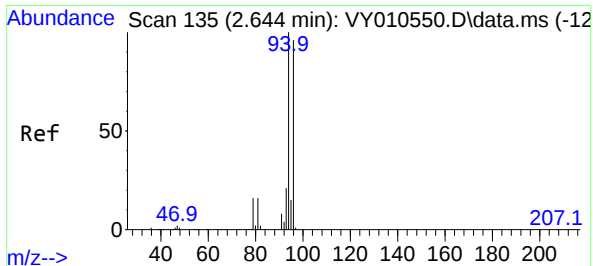
Tgt Ion: 50 Resp: 700
Ion Ratio Lower Upper
50 100
52 32.0 24.6 37.0



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.412 min Scan# 97
Delta R.T. 0.171 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Tgt Ion: 62 Resp: 19
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

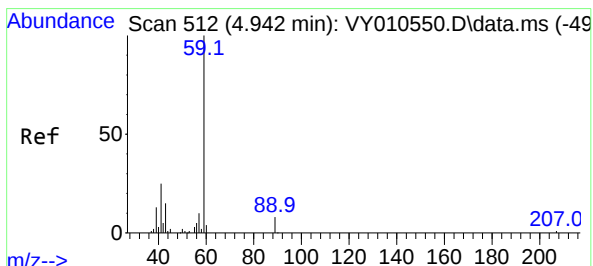
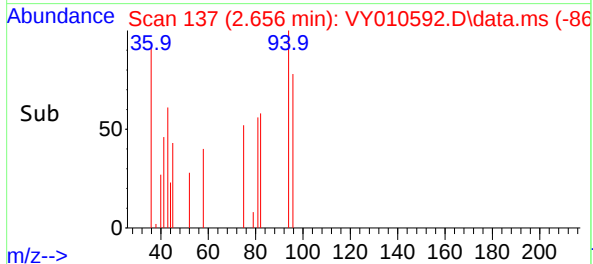
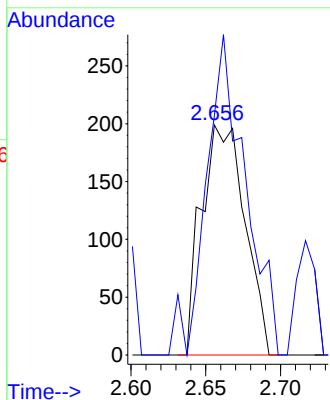
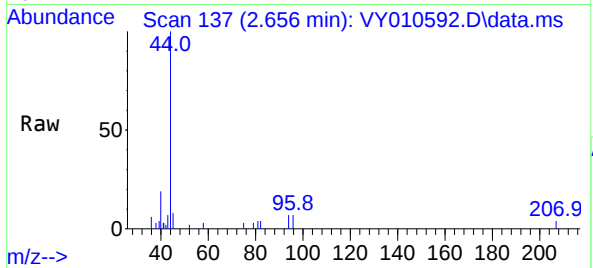




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

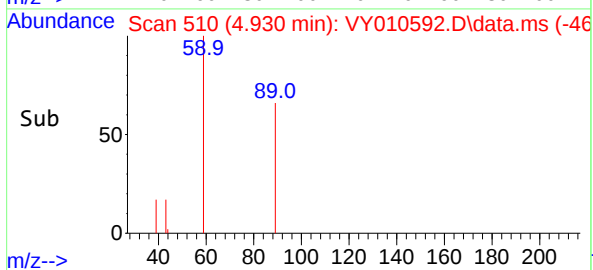
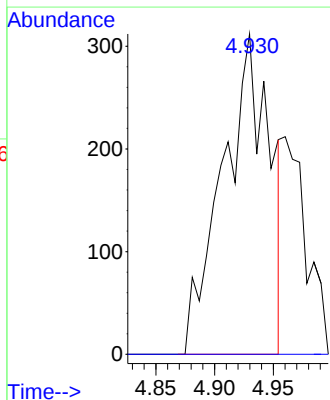
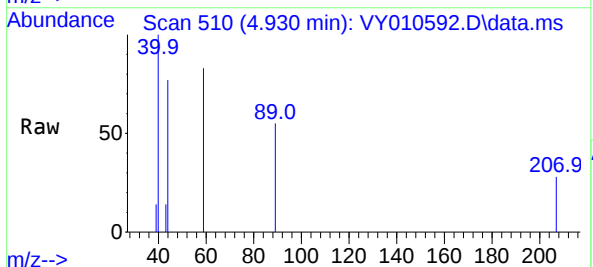
Instrument :
MSVOA_Y
ClientSampleId :

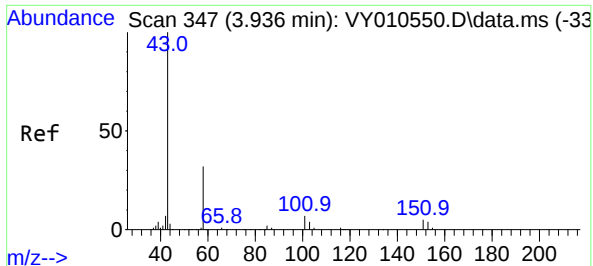
Tgt Ion: 94 Resp: 403
Ion Ratio Lower Upper
94 100
96 104.0 73.5 110.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Tgt Ion: 59 Resp: 862
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

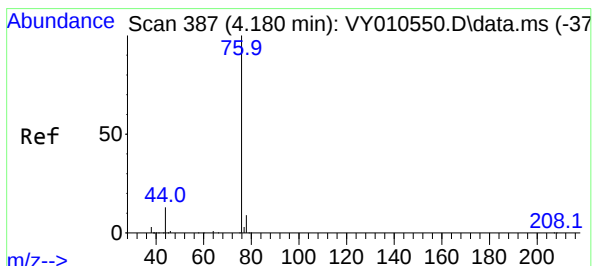
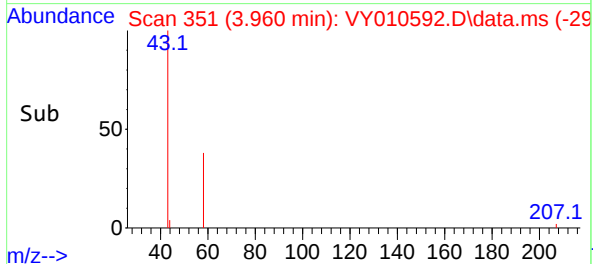
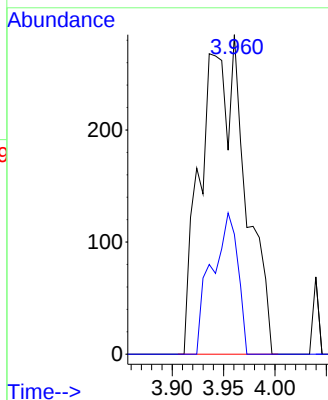
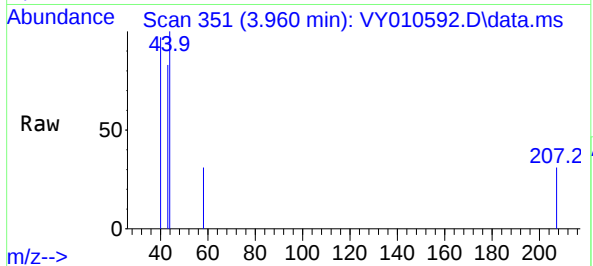




#16
Acetone
Concen: 2.429 ug/l
RT: 3.960 min Scan# 31
Delta R.T. 0.024 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

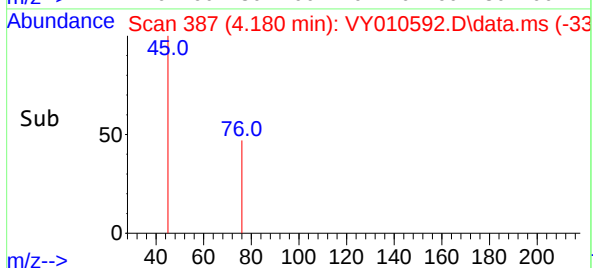
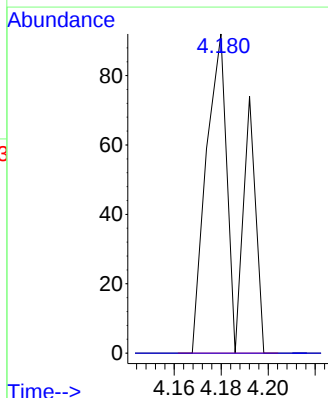
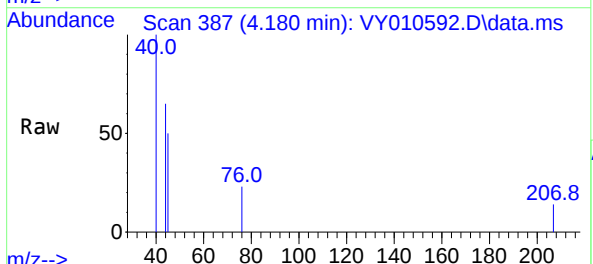
Instrument :
MSVOA_Y
ClientSampleId :

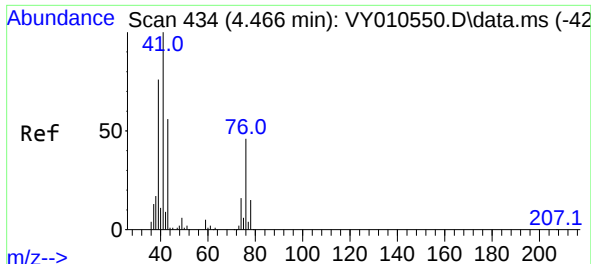
Tgt Ion: 43 Resp: 834
Ion Ratio Lower Upper
43 100
58 37.5 22.0 33.0#



#17
Carbon Disulfide
Concen: Below Cal
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Tgt Ion: 76 Resp: 82
Ion Ratio Lower Upper
76 100
78 0.0 7.4 11.0#

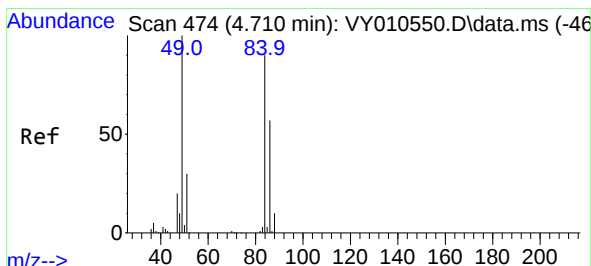
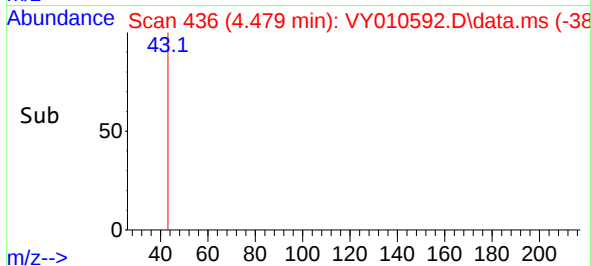
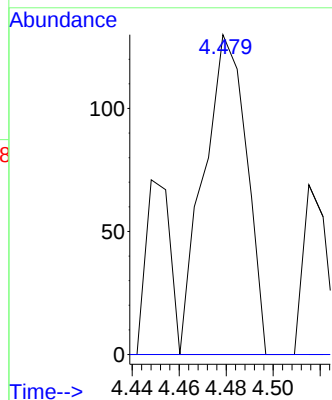
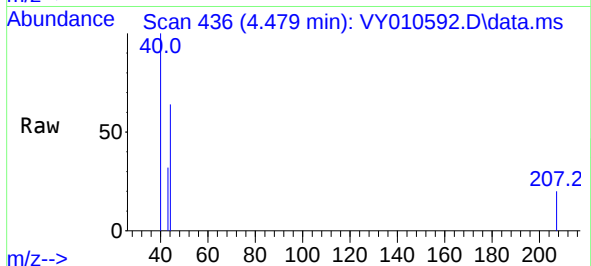




#18
Methyl Acetate
Concen: Below Cal
RT: 4.479 min Scan# 41
Delta R.T. 0.013 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

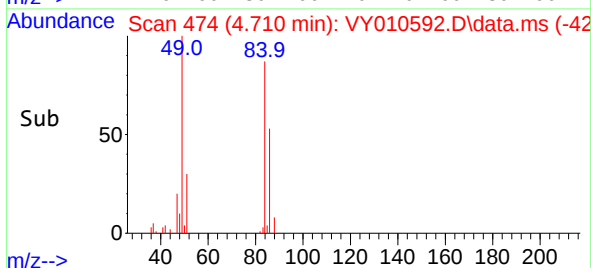
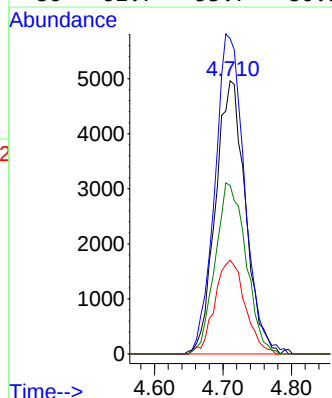
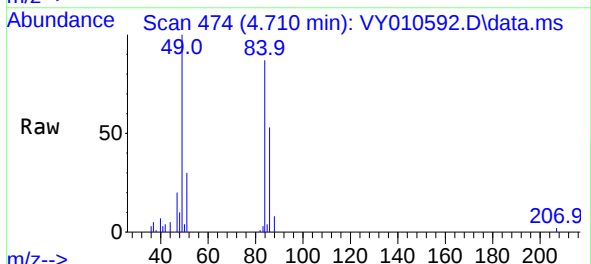
Instrument :
MSVOA_Y
ClientSampleId :

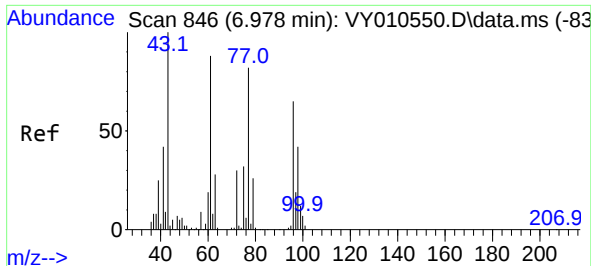
Tgt Ion: 43 Resp: 165
Ion Ratio Lower Upper
43 100
74 0.0 16.6 24.8#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 474
Delta R.T. 0.000 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Tgt Ion: 84 Resp: 14988
Ion Ratio Lower Upper
84 100
49 115.4 114.4 171.6
51 34.3 35.3 52.9#
86 61.7 53.7 80.5





#25

2-Butanone

Concen: 1.704 ug/l

RT: 6.966 min Scan# 84

Delta R.T. -0.012 min

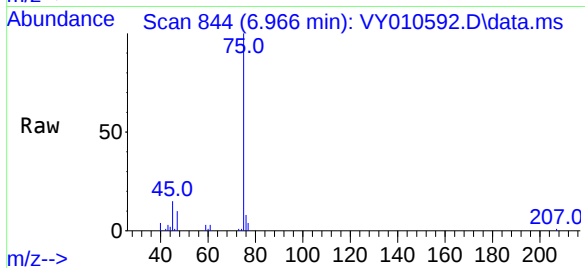
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Acq: 21 Sep 2022 11:48

Instrument :

MSVOA_Y

ClientSampleId :

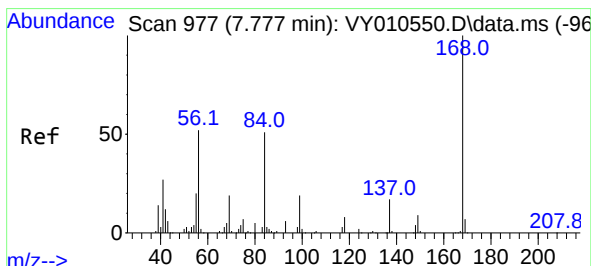
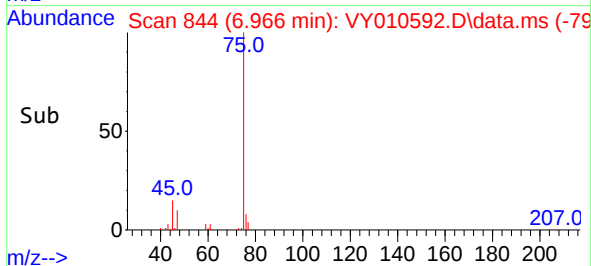
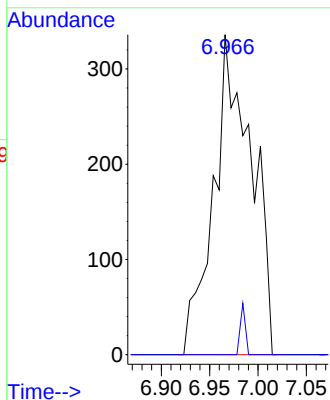


Tgt Ion: 43 Resp: 915

Ion Ratio Lower Upper

43 100

72 0.0 17.7 26.5#



#31

Cyclohexane

Concen: Below Cal

RT: 7.783 min Scan# 978

Delta R.T. 0.006 min

Lab File: VY010592.D

Acq: 21 Sep 2022 11:48

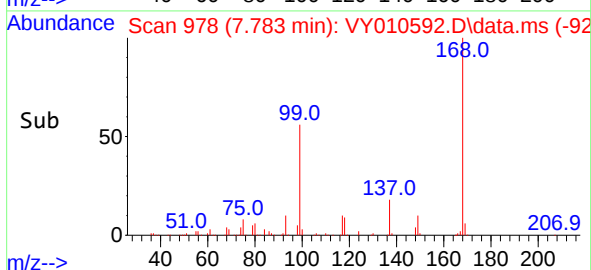
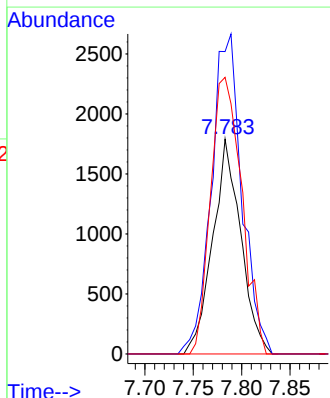
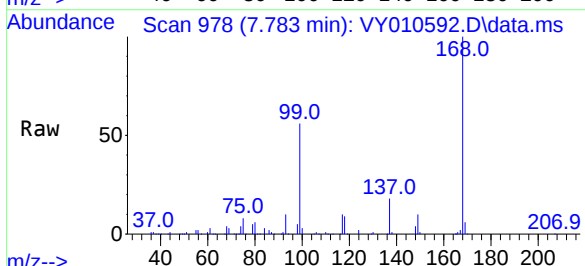
Tgt Ion: 56 Resp: 3619

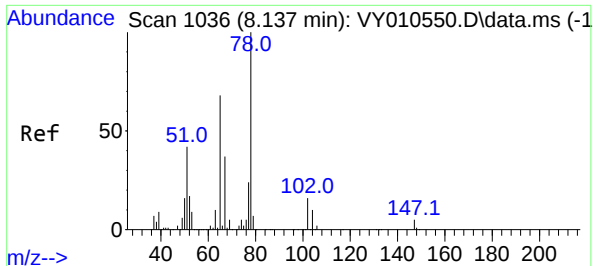
Ion Ratio Lower Upper

56 100

69 140.8 26.7 40.1#

84 128.7 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 61.860 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010592.D

Acq: 21 Sep 2022 11:48

Instrument :

MSVOA_Y

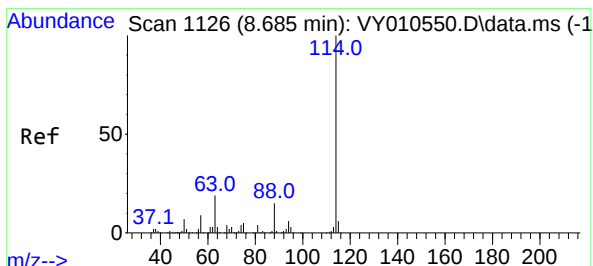
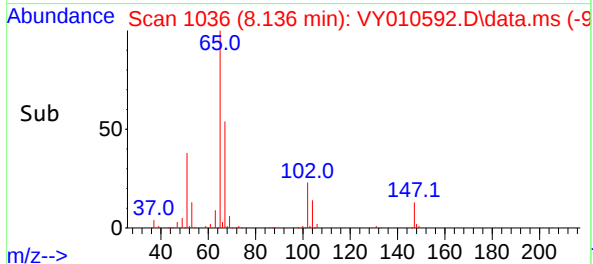
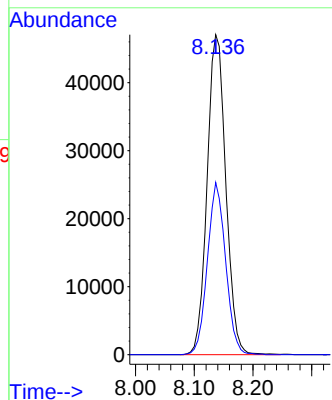
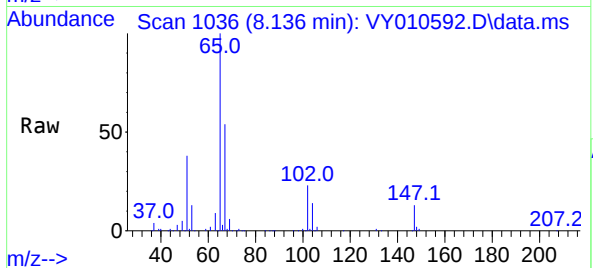
ClientSampleId :

Tgt Ion: 65 Resp: 104148

Ion Ratio Lower Upper

65 100

67 52.4 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: VY010592.D

Acq: 21 Sep 2022 11:48

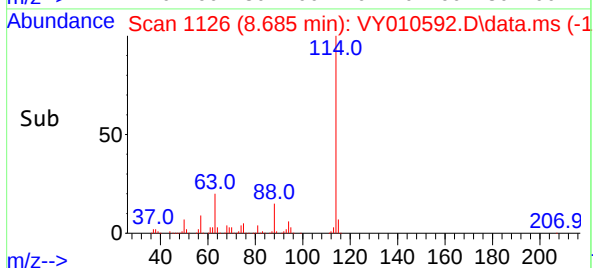
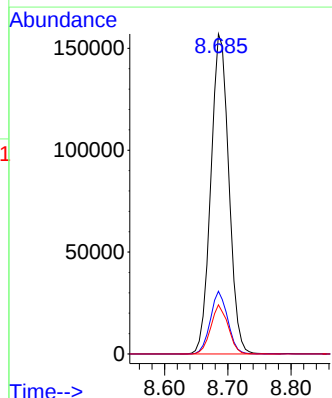
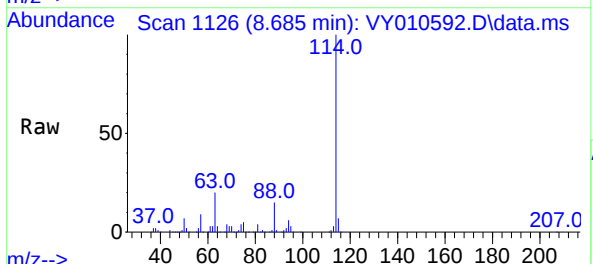
Tgt Ion: 114 Resp: 309493

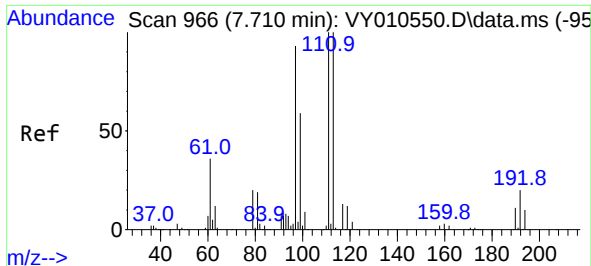
Ion Ratio Lower Upper

114 100

63 19.6 0.0 43.2

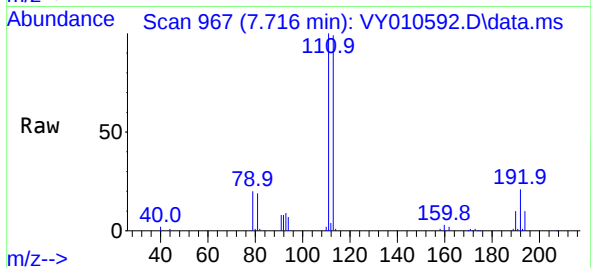
88 15.3 0.0 31.8



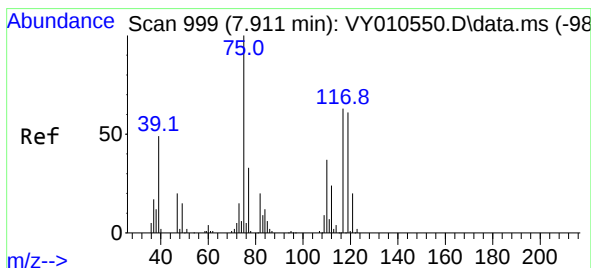
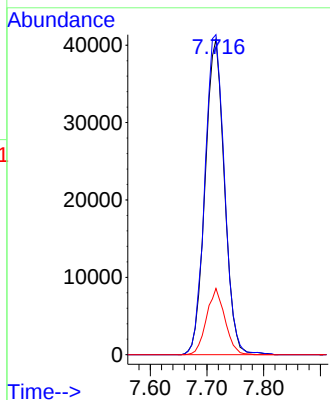
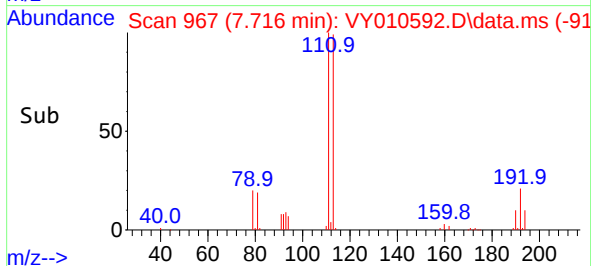


#35
Dibromofluoromethane
Concen: 48.757 ug/l
RT: 7.716 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Instrument :
MSVOA_Y
ClientSampleId :

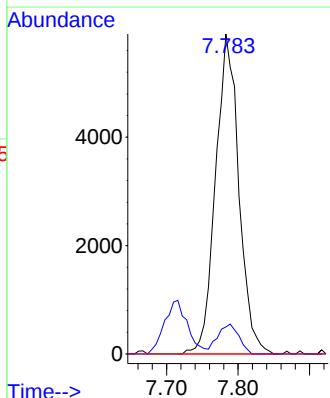
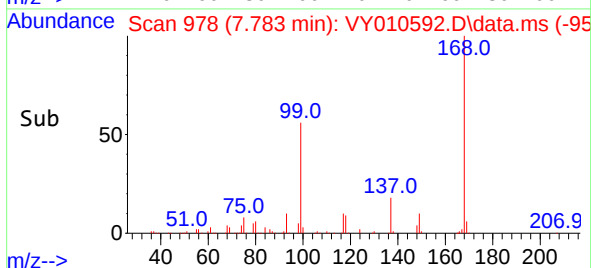
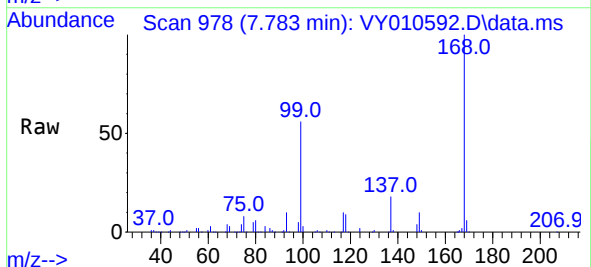


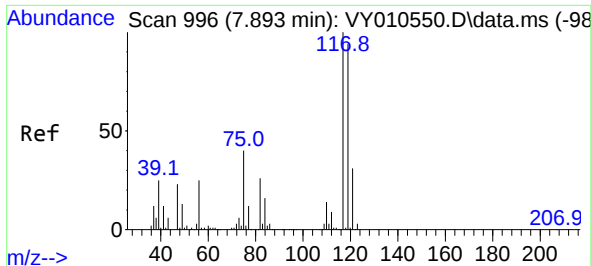
Tgt Ion: 113 Resp: 96305
Ion Ratio Lower Upper
113 100
111 103.0 82.6 124.0
192 20.0 17.6 26.4



#36
1,1-Dichloropropene
Concen: 6.059 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

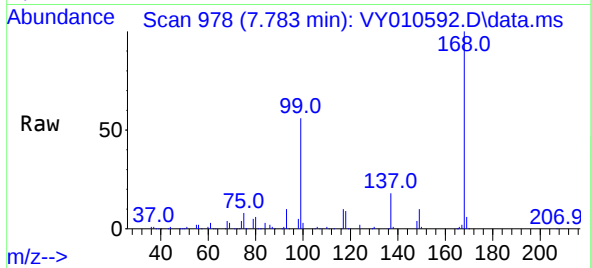
Tgt Ion: 75 Resp: 13334
Ion Ratio Lower Upper
75 100
110 8.4 17.1 51.2#
77 0.0 24.4 36.6#



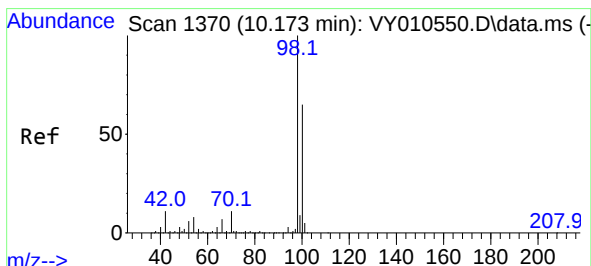
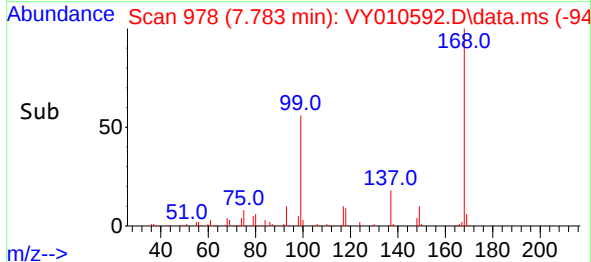
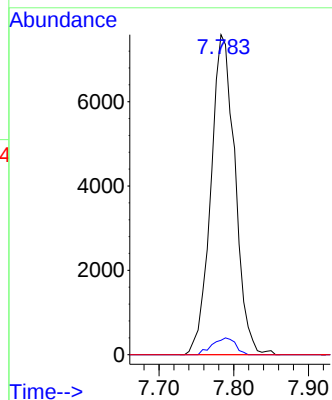


#38
Carbon Tetrachloride
Concen: 6.739 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Instrument :
MSVOA_Y
ClientSampleId :

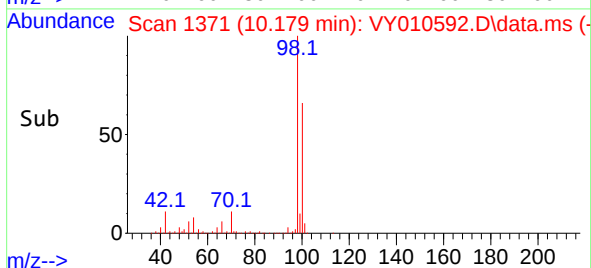
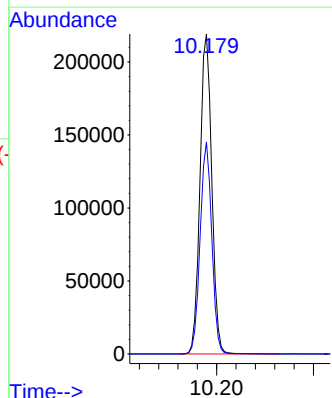
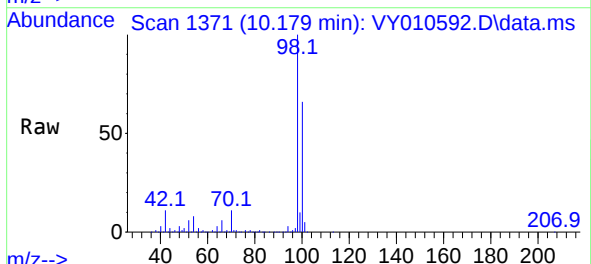


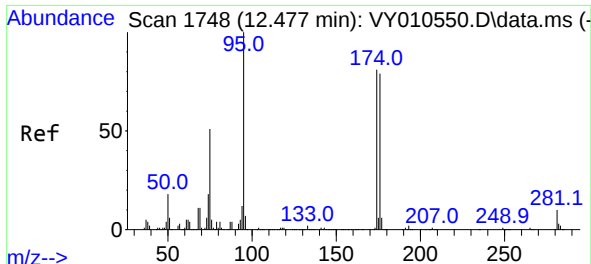
Tgt Ion:117 Resp: 17054
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.596 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Tgt Ion: 98 Resp: 369636
Ion Ratio Lower Upper
98 100
100 65.4 50.2 75.2

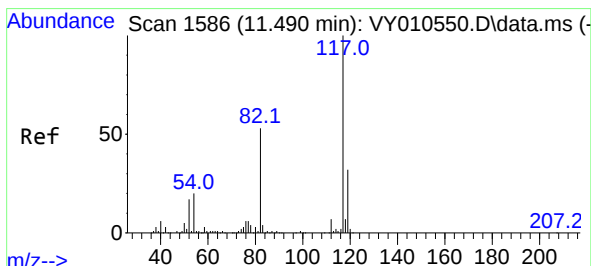
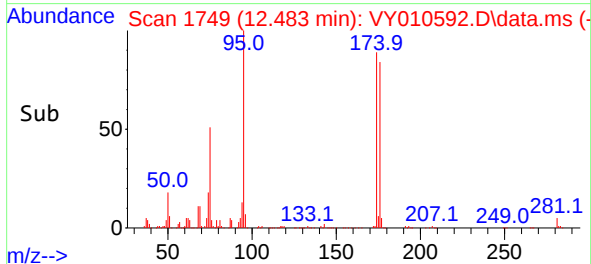
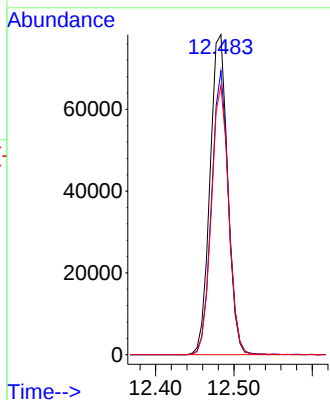
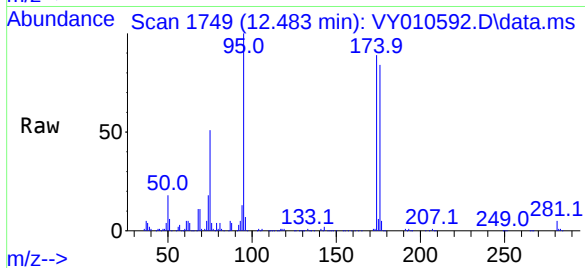




#62
4-Bromofluorobenzene
Concen: 45.013 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

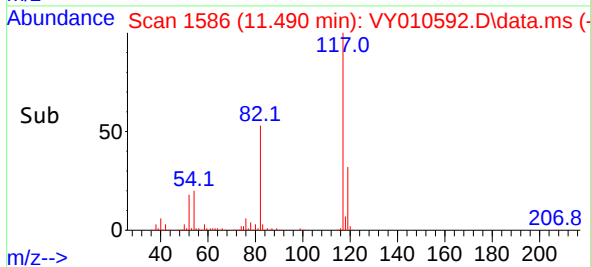
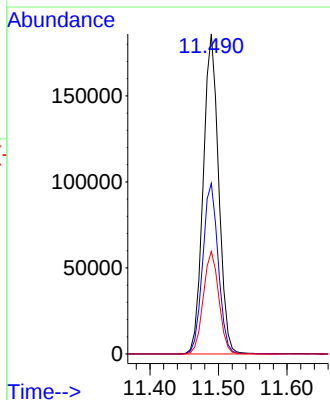
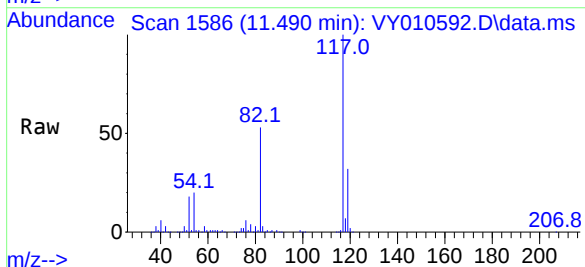
Instrument :
MSVOA_Y
ClientSampleId :

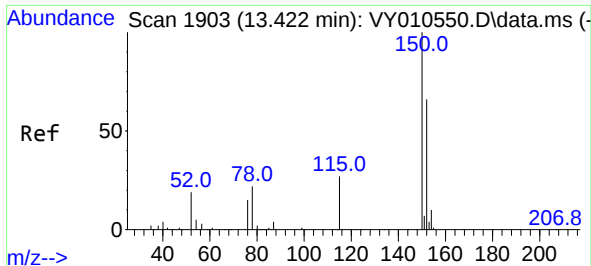
Tgt Ion: 95 Resp: 122677
Ion Ratio Lower Upper
95 100
174 85.1 0.0 177.0
176 82.4 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

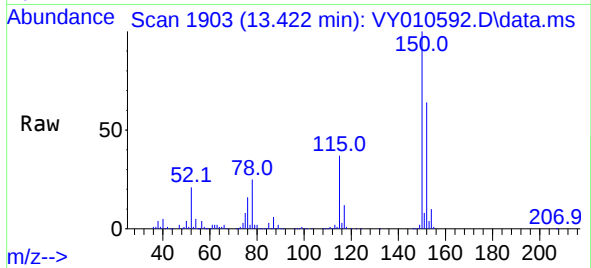
Tgt Ion: 117 Resp: 291186
Ion Ratio Lower Upper
117 100
82 53.3 43.0 64.4
119 32.1 25.4 38.0



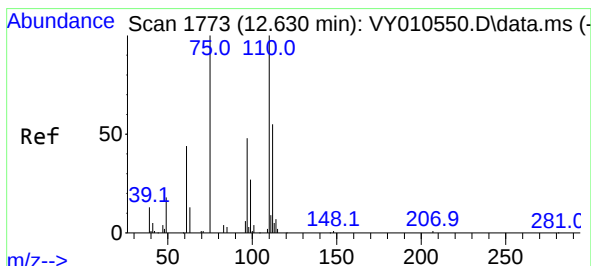
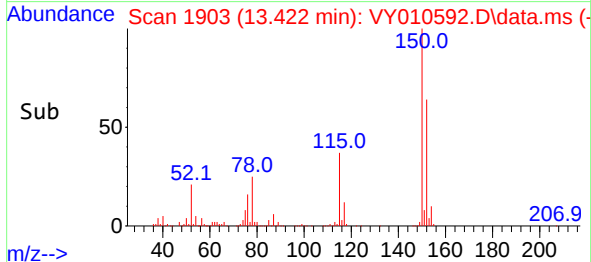
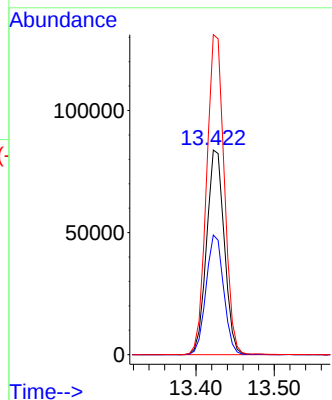


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Instrument :
MSVOA_Y
ClientSampleId :

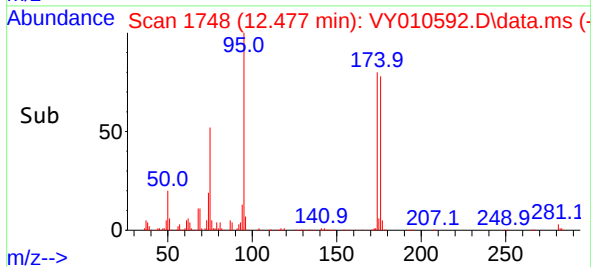
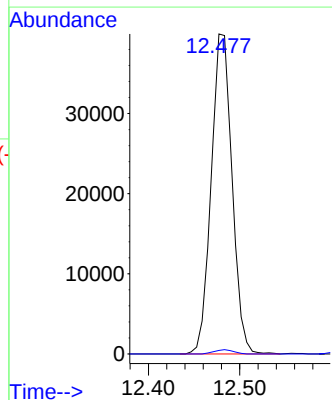
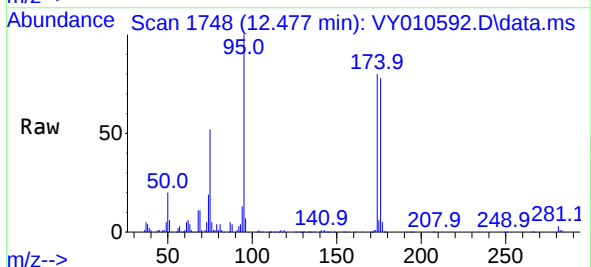


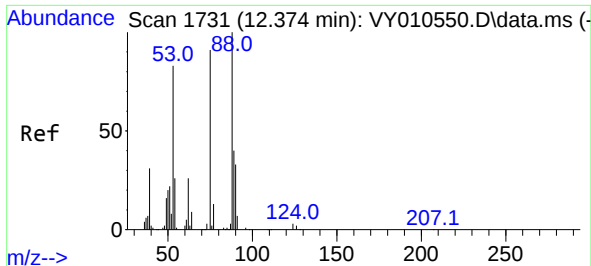
Tgt Ion:152 Resp: 131559
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.7
150 155.7 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 50.383 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

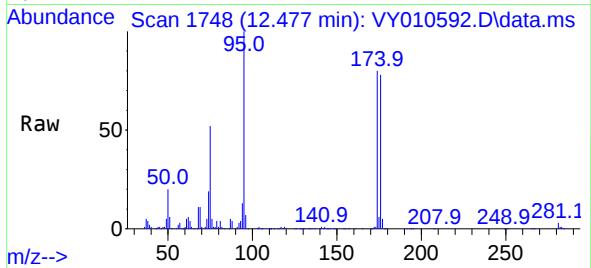
Tgt Ion: 75 Resp: 63263
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#





#81
trans-1,4-Dichloro-2-butene
Concen: 112.023 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.103 min
Lab File: VY010592.D
Acq: 21 Sep 2022 11:48

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 75 Resp: 63263
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.0 37.0 55.4#

