

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091922\
 Data File : VY010561.D
 Acq On : 19 Sep 2022 19:11
 Operator : KP/MD
 Sample : N4641-03
 Misc : 5.93g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A6-13-18

Quant Time: Sep 20 01:05:48 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)

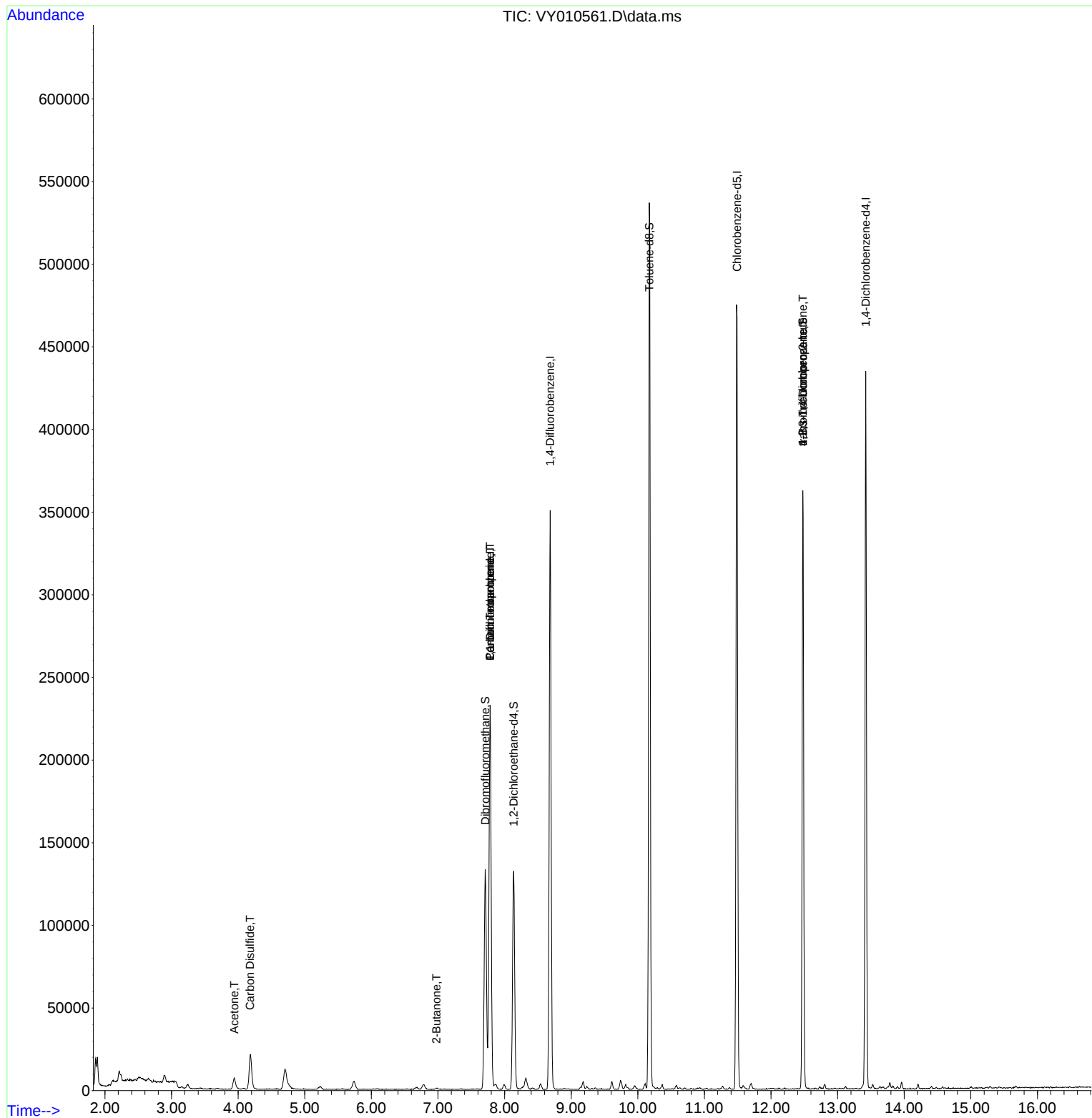
Internal Standards						
1) Pentafluorobenzene	7.783	168	180021	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	300776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	269775	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	109205	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	103401	60.052	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.100%			
35) Dibromofluoromethane	7.710	113	93851	48.892	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.780%			
50) Toluene-d8	10.173	98	354801	50.012	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.020%			
62) 4-Bromofluorobenzene	12.477	95	109405	41.071	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.140%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	52	Below Cal	#	43
3) Chloromethane	2.107	50	731	Below Cal	#	82
4) Vinyl Chloride	2.296	62	25	Below Cal	#	43
5) Bromomethane	2.656	94	654	Below Cal	#	76
11) Tert butyl alcohol	4.954	59	196	Below Cal	#	77
16) Acetone	3.942	43	11335	32.281	ug/l #	84
17) Carbon Disulfide	4.180	76	42571	13.759	ug/l	98
18) Methyl Acetate	4.466	43	313	Below Cal		98
20) Methylene Chloride	4.704	84	8757	Below Cal	#	77
25) 2-Butanone	6.978	43	1025	1.866	ug/l #	54
31) Cyclohexane	7.783	56	4855	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	12872	6.018	ug/l #	51
38) Carbon Tetrachloride	7.783	117	17270	7.023	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	55989	53.717	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	55989	119.437	ug/l #	7

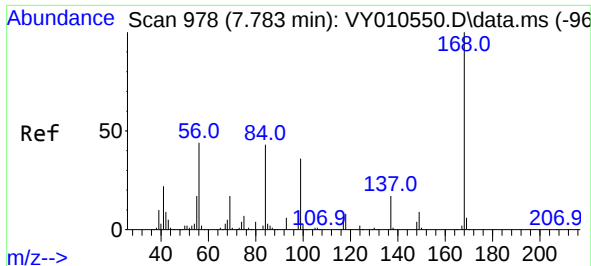
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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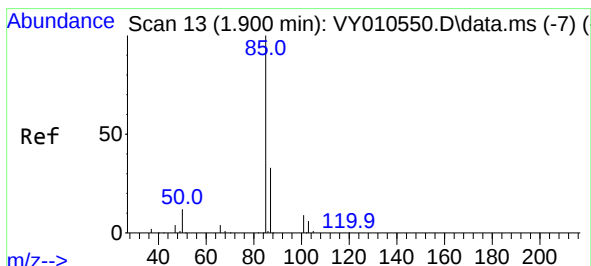
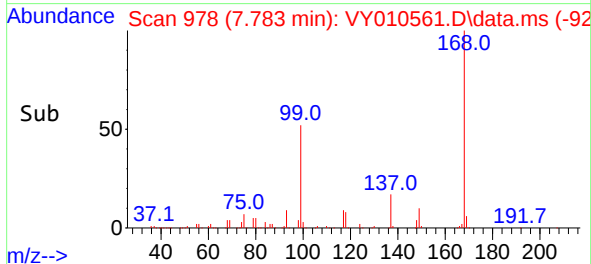
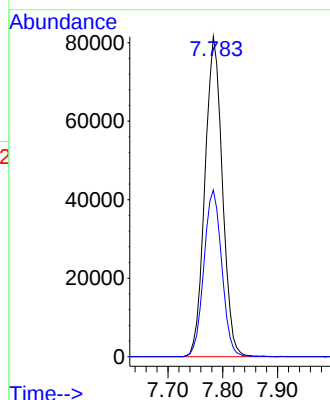
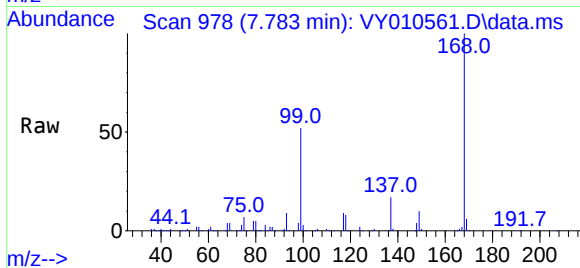




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

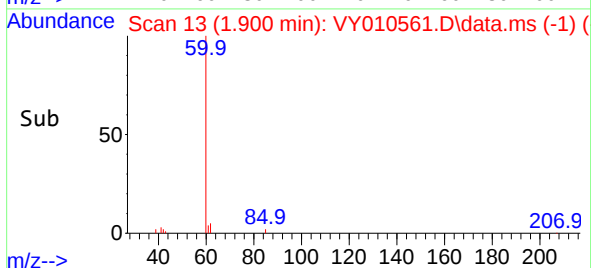
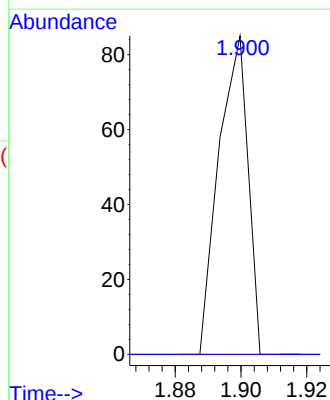
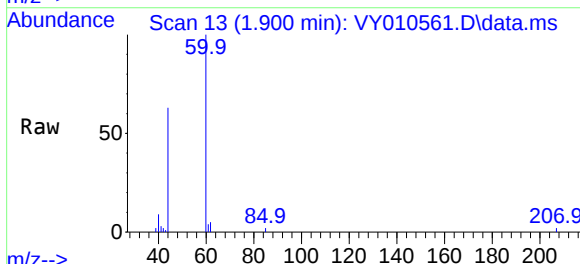
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

Tgt Ion:168 Resp: 180021
Ion Ratio Lower Upper
168 100
99 52.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 85 Resp: 52
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

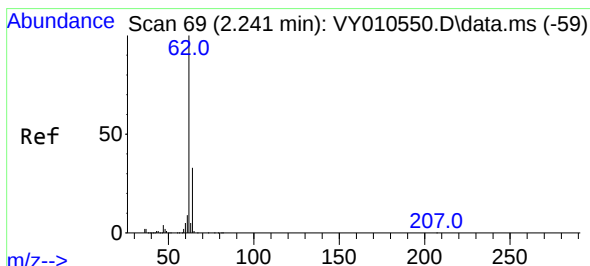
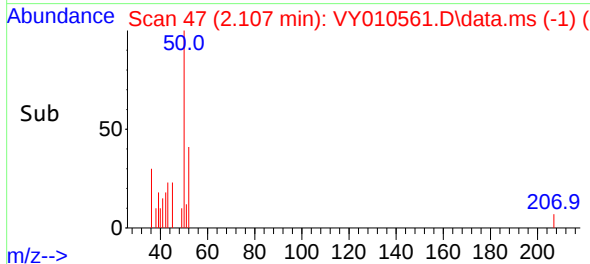
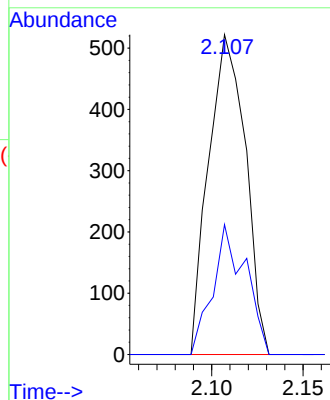
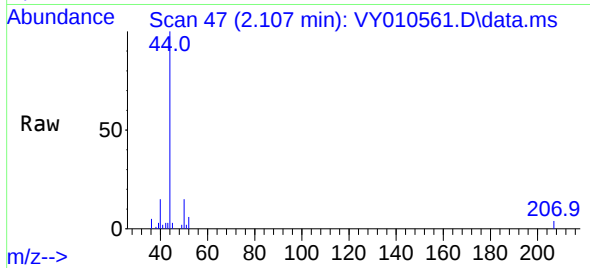




#3
Chloromethane
Concen: Below Cal
RT: 2.107 min Scan# 41
Delta R.T. -0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

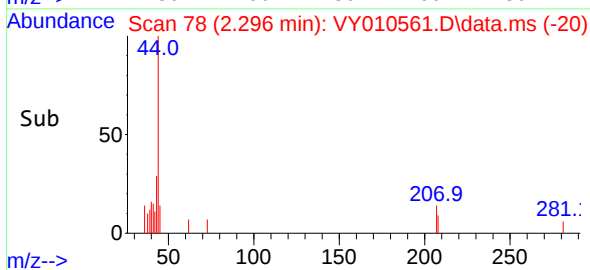
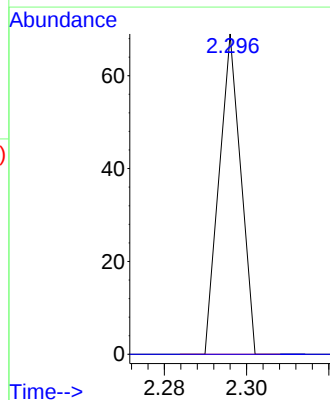
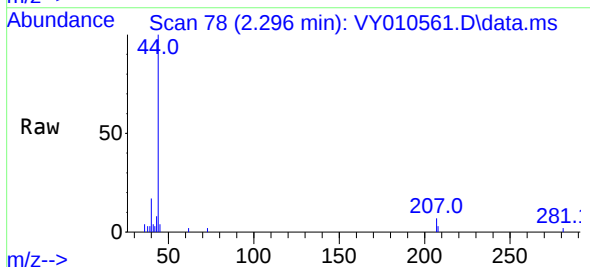
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

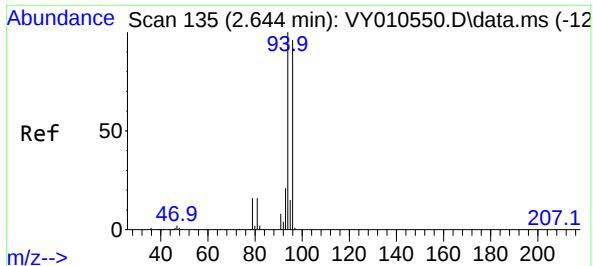
Tgt Ion: 50 Resp: 731
Ion Ratio Lower Upper
50 100
52 40.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.296 min Scan# 78
Delta R.T. 0.055 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 62 Resp: 25
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

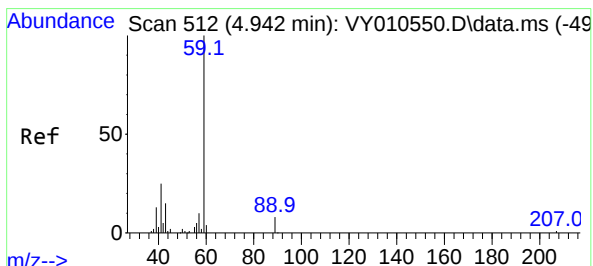
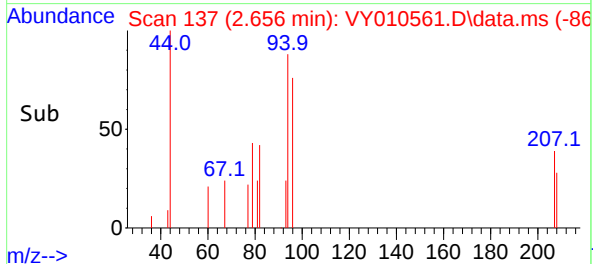
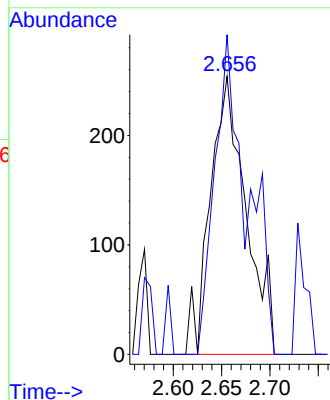
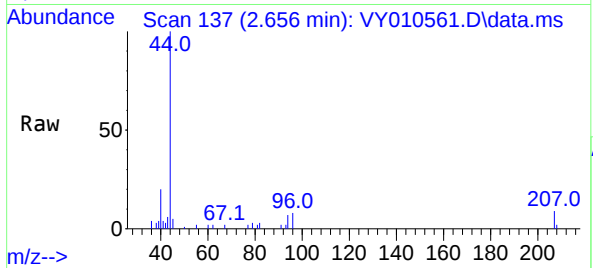




#5
Bromomethane
Concen: Below Cal
RT: 2.656 min Scan# 11
Delta R.T. 0.012 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

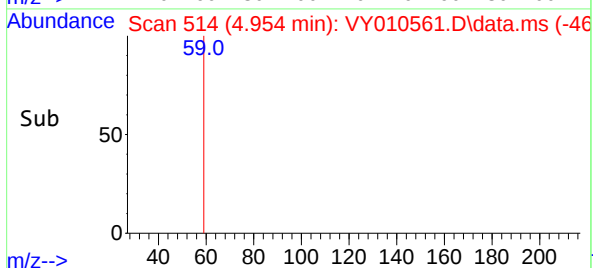
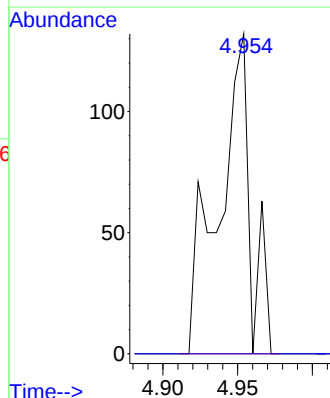
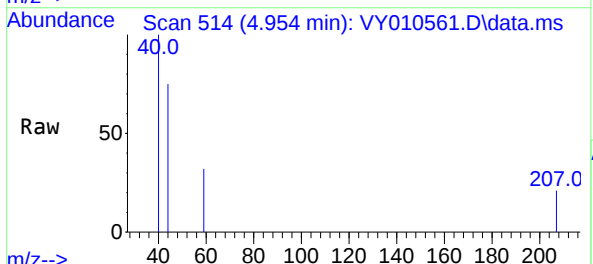
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

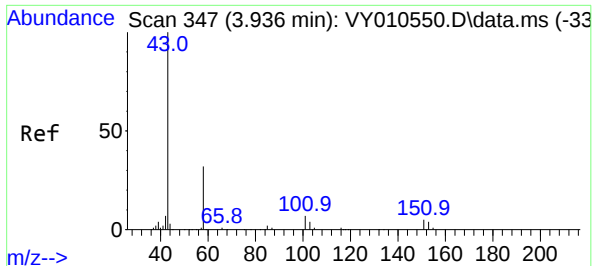
Tgt Ion: 94 Resp: 654
Ion Ratio Lower Upper
94 100
96 115.0 73.5 110.3#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 59 Resp: 196
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#

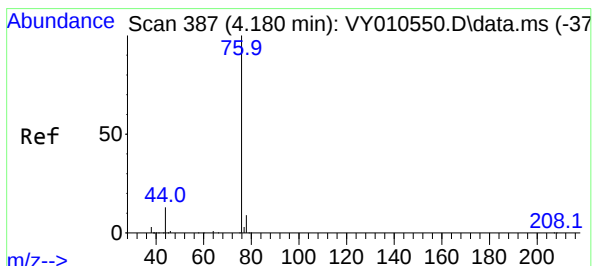
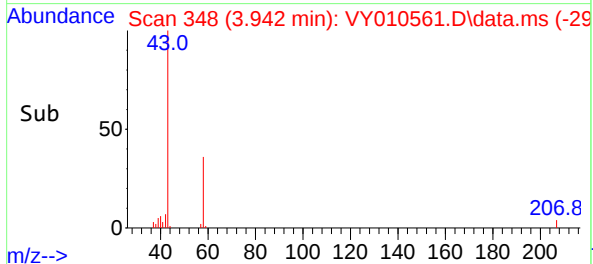
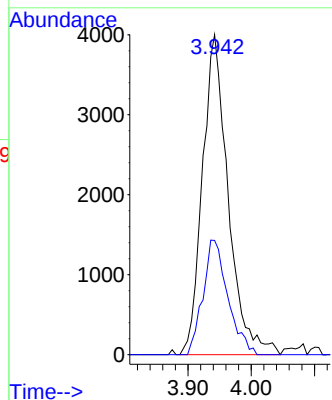
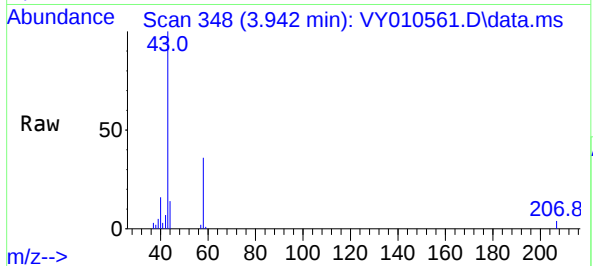




#16
Acetone
Concen: 32.281 ug/l
RT: 3.942 min Scan# 347
Delta R.T. 0.006 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

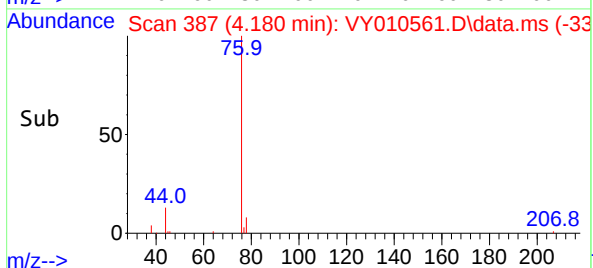
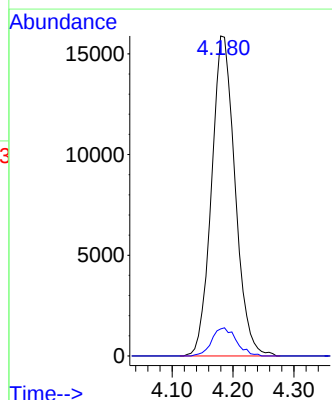
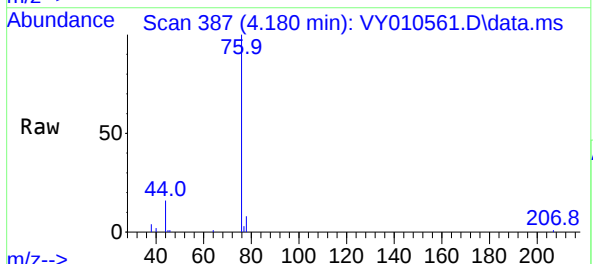
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

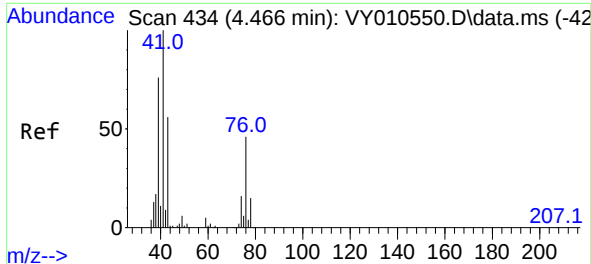
Tgt Ion: 43 Resp: 11335
Ion Ratio Lower Upper
43 100
58 35.7 22.0 33.0#



#17
Carbon Disulfide
Concen: 13.759 ug/l
RT: 4.180 min Scan# 387
Delta R.T. -0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 76 Resp: 42571
Ion Ratio Lower Upper
76 100
78 8.4 7.4 11.0





#18

Methyl Acetate

Concen: Below Cal

RT: 4.466 min Scan# 41

Delta R.T. 0.000 min

Lab File: VY010561.D

Acq: 19 Sep 2022 19:11

Instrument :

MSVOA_Y

ClientSampleId :

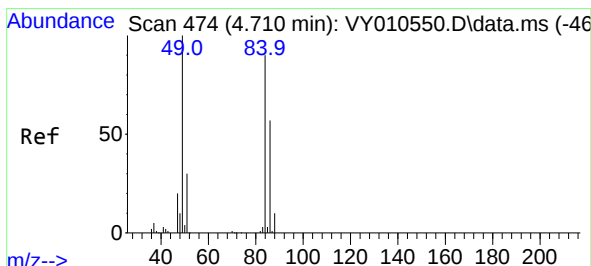
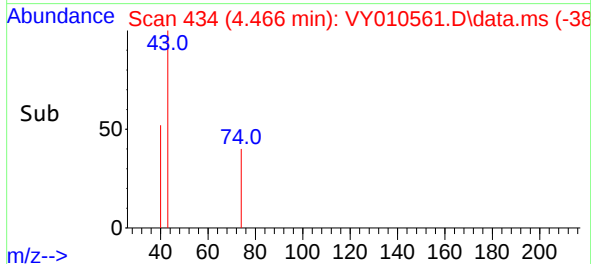
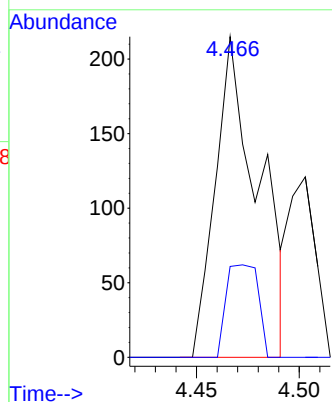
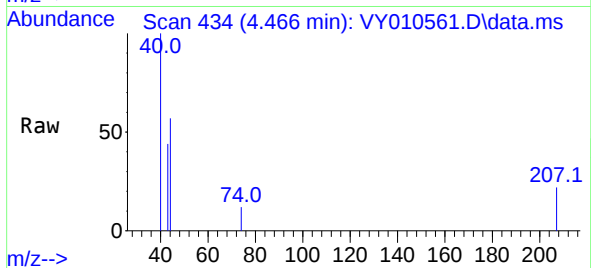
A6-13-18

Tgt Ion: 43 Resp: 313

Ion Ratio Lower Upper

43 100

74 21.4 16.6 24.8



#20

Methylene Chloride

Concen: Below Cal

RT: 4.704 min Scan# 473

Delta R.T. -0.006 min

Lab File: VY010561.D

Acq: 19 Sep 2022 19:11

Tgt Ion: 84 Resp: 8757

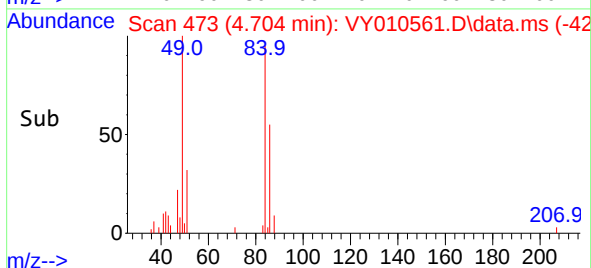
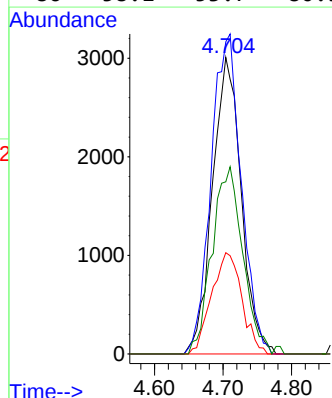
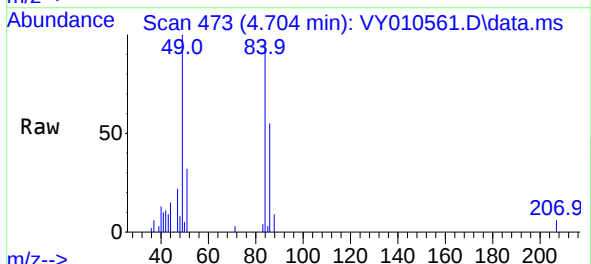
Ion Ratio Lower Upper

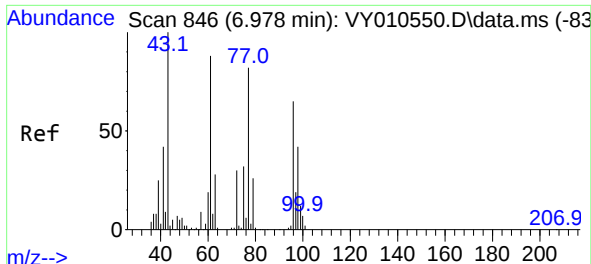
84 100

49 105.3 114.4 171.6#

51 34.2 35.3 52.9#

86 58.1 53.7 80.5





#25

2-Butanone

Concen: 1.866 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010561.D

Acq: 19 Sep 2022 19:11

Instrument :

MSVOA_Y

ClientSampleId :

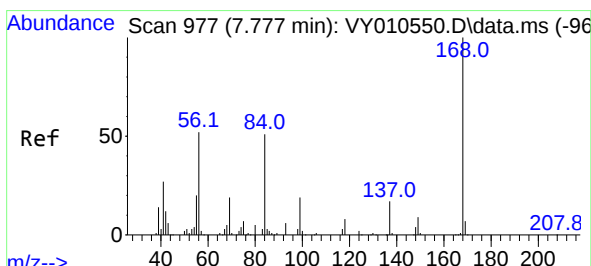
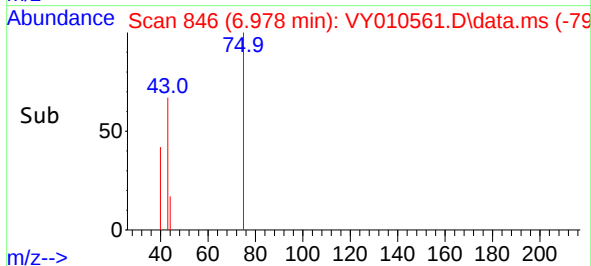
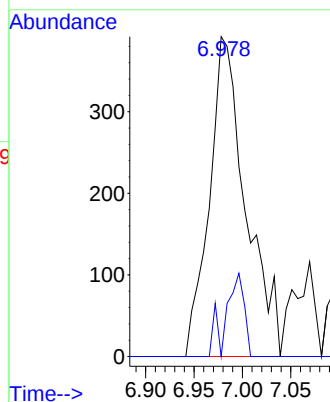
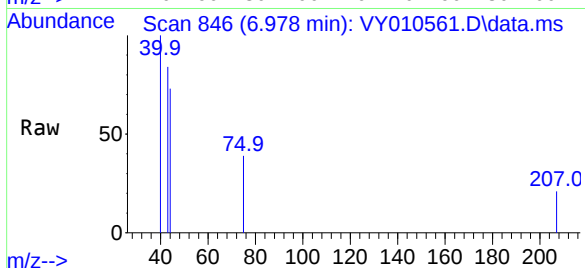
A6-13-18

Tgt Ion: 43 Resp: 1025

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: VY010561.D

Acq: 19 Sep 2022 19:11

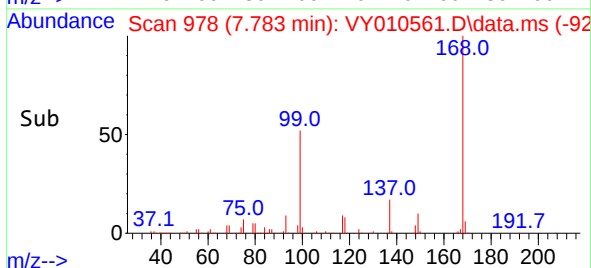
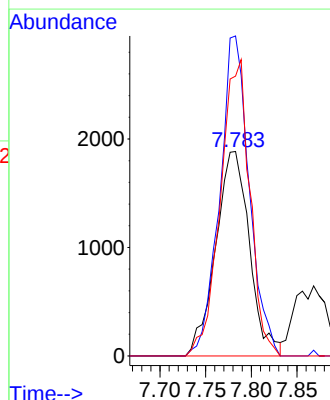
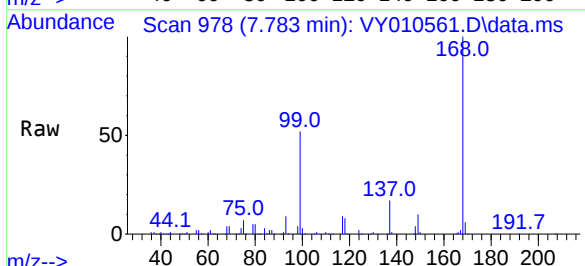
Tgt Ion: 56 Resp: 4855

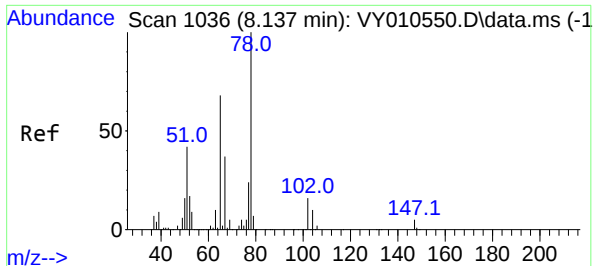
Ion Ratio Lower Upper

56 100

69 156.5 26.7 40.1#

84 136.9 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 60.052 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.001 min

Lab File: VY010561.D

Acq: 19 Sep 2022 19:11

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MSVOA_Y

ClientSampleId :

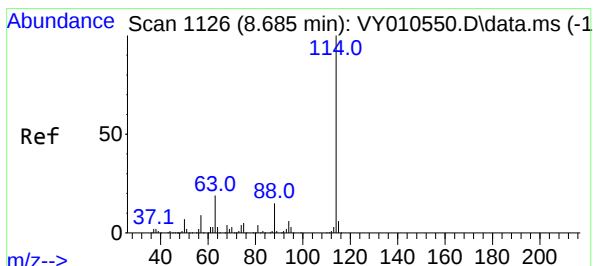
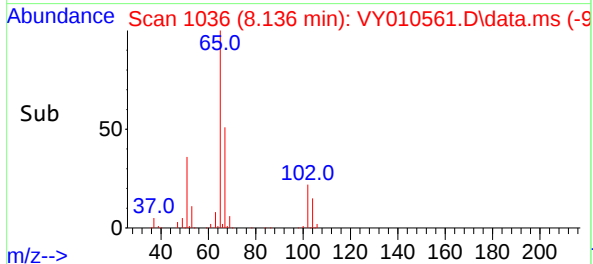
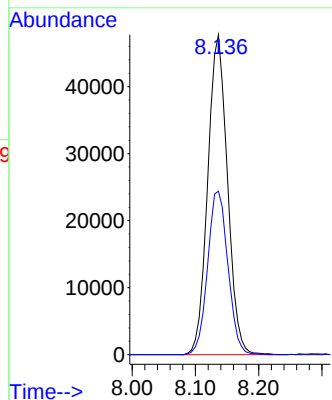
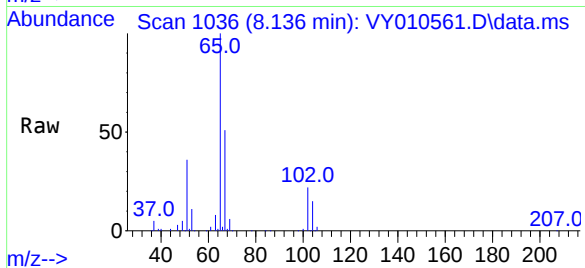
A6-13-18

Tgt Ion: 65 Resp: 103401

Ion Ratio Lower Upper

65 100

67 52.6 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: VY010561.D

Acq: 19 Sep 2022 19:11

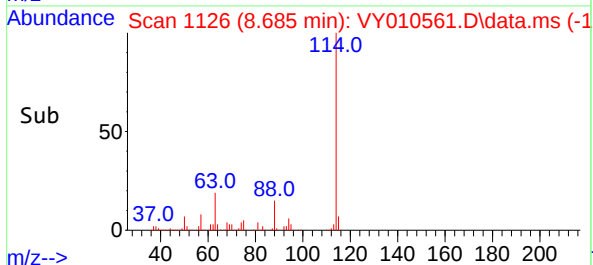
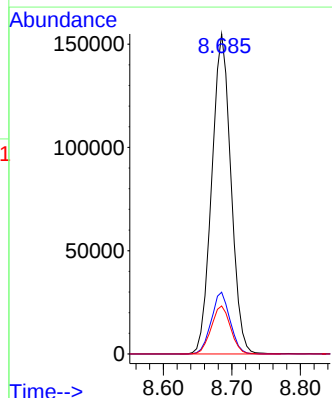
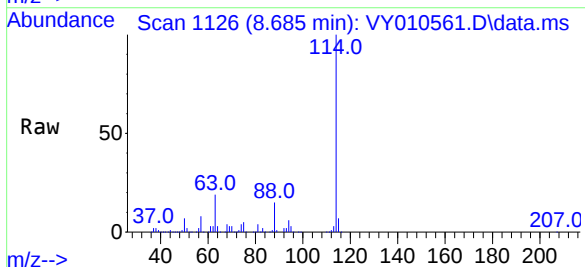
Tgt Ion: 114 Resp: 300776

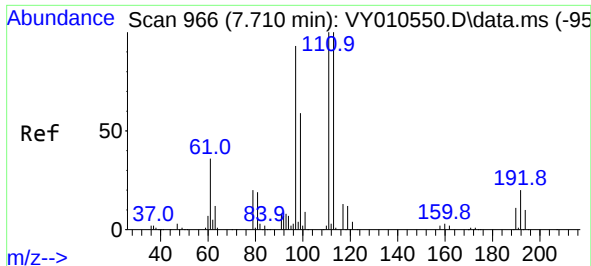
Ion Ratio Lower Upper

114 100

63 19.3 0.0 43.2

88 15.0 0.0 31.8

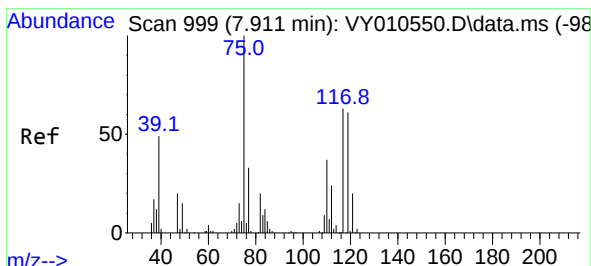
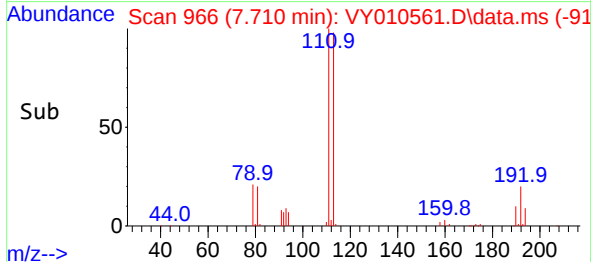
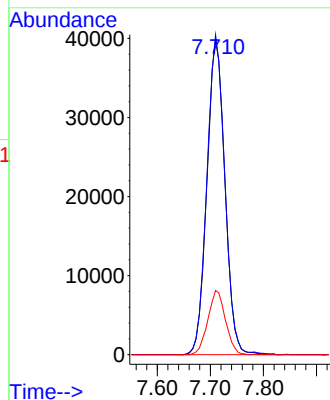
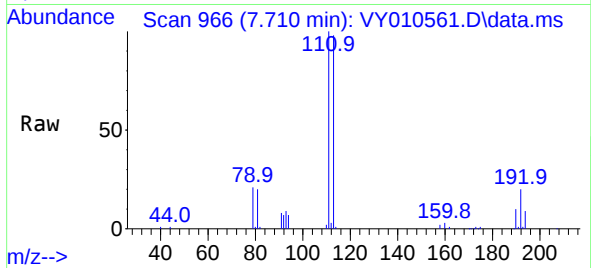




#35
Dibromofluoromethane
Concen: 48.892 ug/l
RT: 7.710 min Scan# 90
Delta R.T. -0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

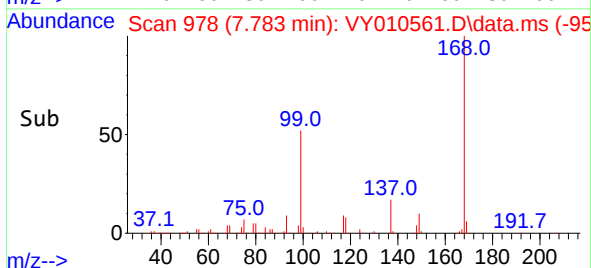
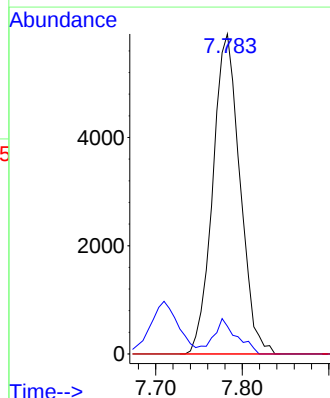
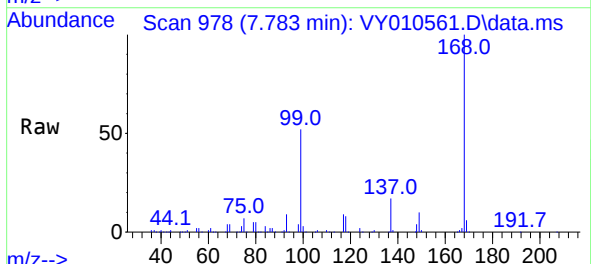
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

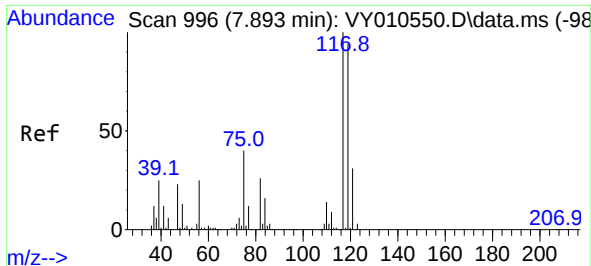
Tgt Ion:	113	Resp:	93851
Ion	Ratio	Lower	Upper
113	100		
111	101.4	82.6	124.0
192	20.0	17.6	26.4



#36
1,1-Dichloropropene
Concen: 6.018 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.128 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

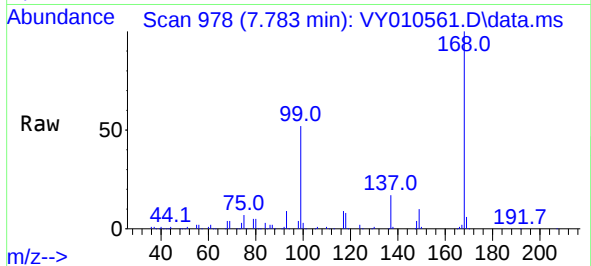
Tgt Ion:	75	Resp:	12872
Ion	Ratio	Lower	Upper
75	100		
110	9.6	17.1	51.2#
77	0.0	24.4	36.6#



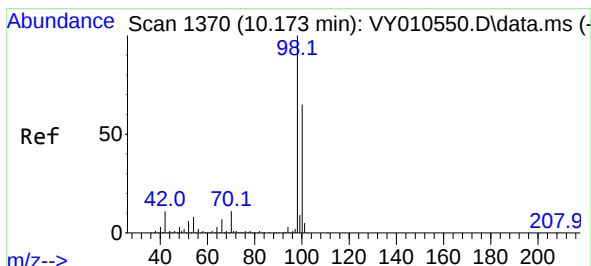
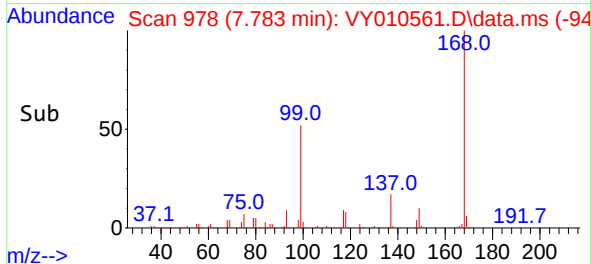
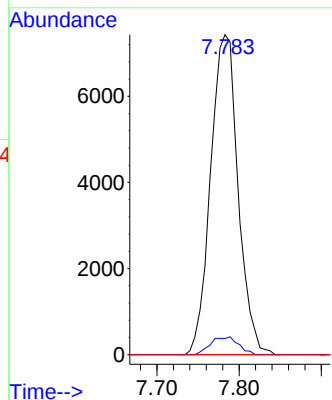


#38
Carbon Tetrachloride
Concen: 7.023 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

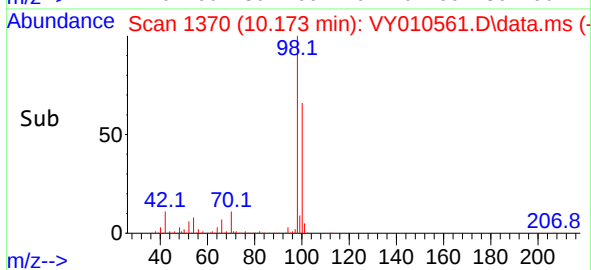
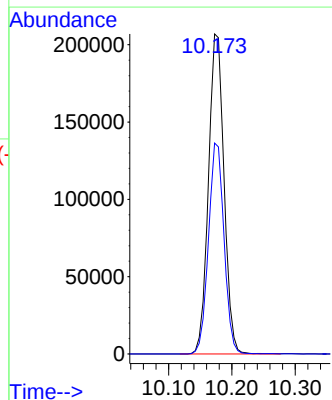
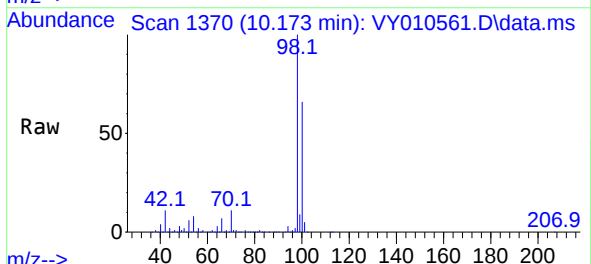


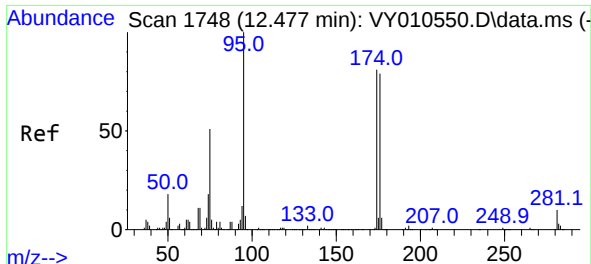
Tgt Ion:117 Resp: 17270
Ion Ratio Lower Upper
117 100
119 5.0 77.9 116.9#
121 0.0 24.8 37.2#



#50
Toluene-d8
Concen: 50.012 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. -0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 98 Resp: 354801
Ion Ratio Lower Upper
98 100
100 65.8 50.2 75.2

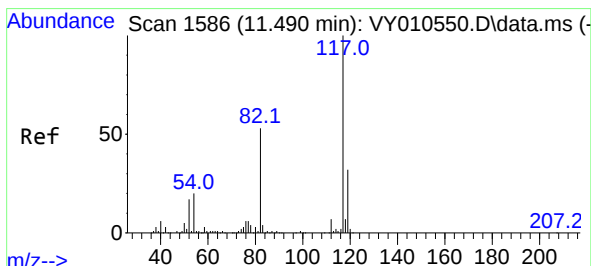
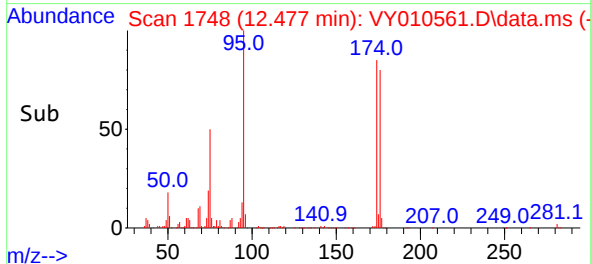
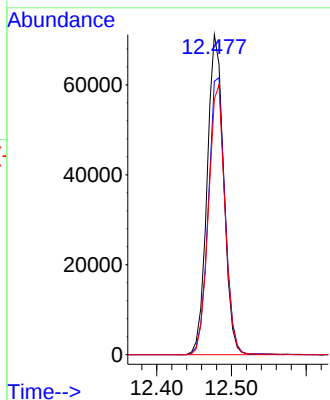
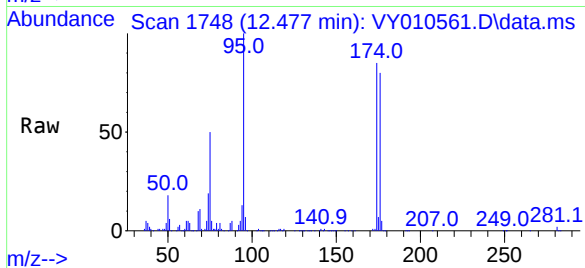




#62
4-Bromofluorobenzene
Concen: 41.071 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

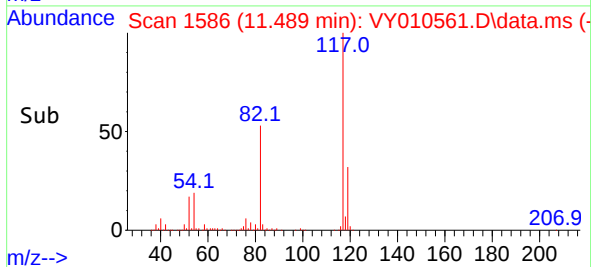
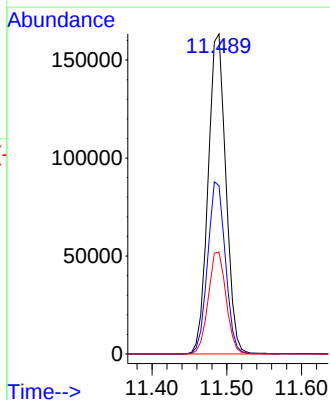
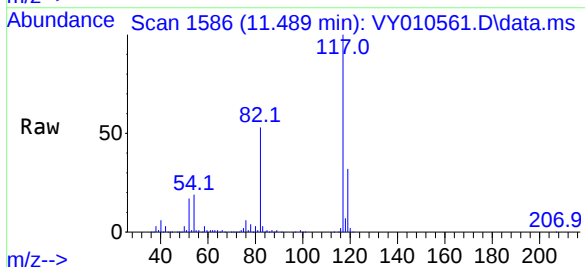
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

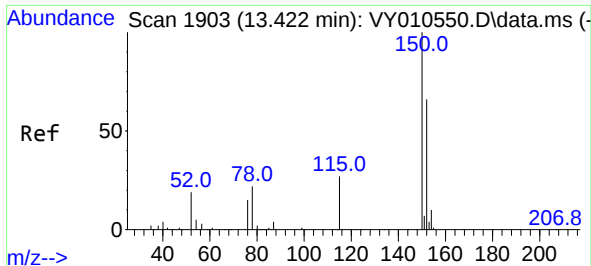
Tgt Ion: 95 Resp: 109405
Ion Ratio Lower Upper
95 100
174 87.5 0.0 177.0
176 83.7 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 117 Resp: 269775
Ion Ratio Lower Upper
117 100
82 52.6 43.0 64.4
119 31.9 25.4 38.0

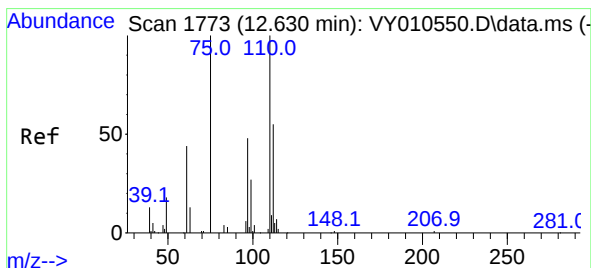
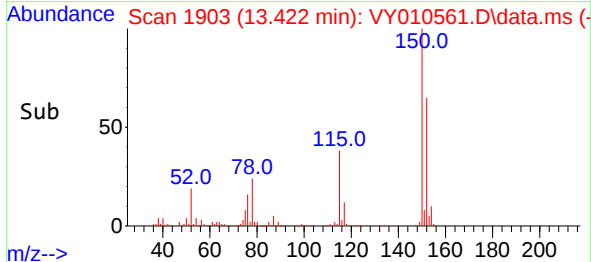
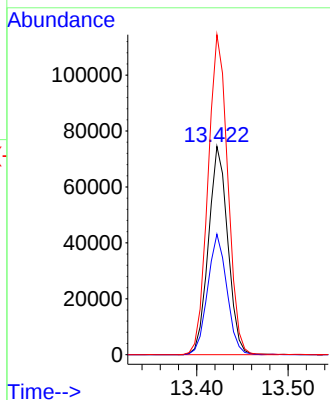
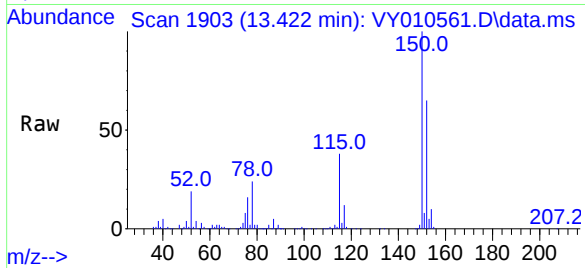




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

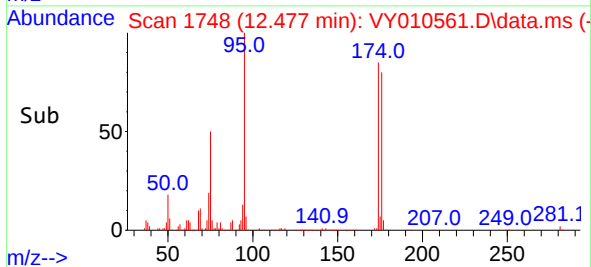
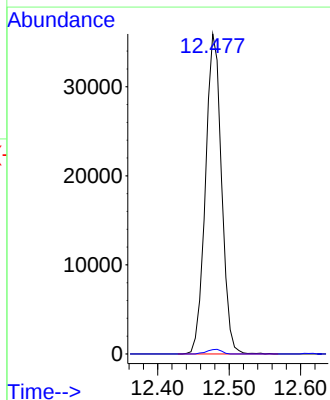
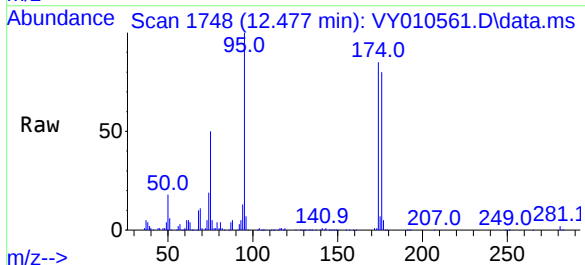
Instrument :
MSVOA_Y
ClientSampleId :
A6-13-18

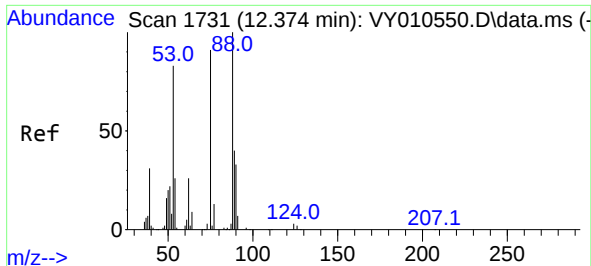
Tgt Ion:152 Resp: 109205
Ion Ratio Lower Upper
152 100
115 57.6 28.2 84.7
150 157.4 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 53.717 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010561.D
Acq: 19 Sep 2022 19:11

Tgt Ion: 75 Resp: 55989
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 119.437 ug/l
 RT: 12.477 min Scan# 11
 Delta R.T. 0.103 min
 Lab File: VY010561.D
 Acq: 19 Sep 2022 19:11

Instrument :
 MSVOA_Y
 ClientSampleId :
 A6-13-18

Tgt Ion: 75 Resp: 55989
 Ion Ratio Lower Upper
 75 100
 53 0.0 85.3 127.9#
 89 0.0 37.0 55.4#

