

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100622\
 Data File : VY010846.D
 Acq On : 06 Oct 2022 15:45
 Operator : KP/MD
 Sample : N5004-19
 Misc : 6.34g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 D22019-18

Quant Time: Oct 07 02:29:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

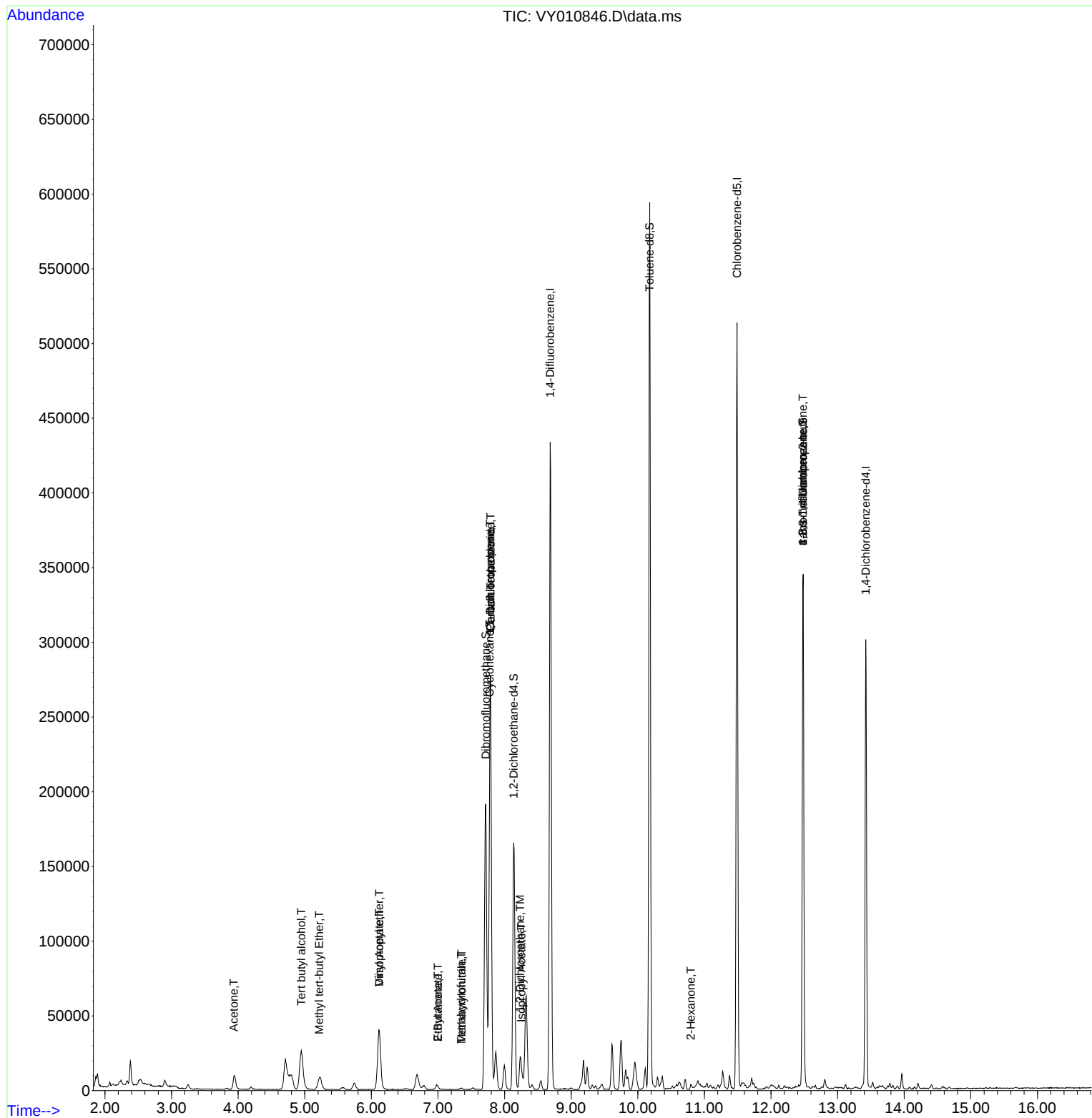
Internal Standards						
1) Pentafluorobenzene	7.789	168	211301	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	370730	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	270876	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	79106	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	128238	59.874	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.740%			
35) Dibromofluoromethane	7.716	113	135788	55.178	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.360%			
50) Toluene-d8	10.179	98	381393	45.317	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 90.640%			
62) 4-Bromofluorobenzene	12.477	95	103421	29.981	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 59.960%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	48158	258.760	ug/l #	93
13) Acrolein	3.924	56	51	Below Cal	#	14
16) Acetone	3.936	43	16084	29.568	ug/l	95
19) Methyl tert-butyl Ether	5.216	73	7834	1.498	ug/l #	22
22) Diisopropyl ether	6.118	45	50421	7.688	ug/l #	93
23) Vinyl Acetate	6.118	43	28669	7.216	ug/l #	75
25) 2-Butanone	6.996	43	4073	5.208	ug/l #	90
29) Tetrahydrofuran	7.350	42	751	1.633	ug/l #	68
31) Cyclohexane	7.777	56	8039	2.097	ug/l #	59
36) 1,1-Dichloropropene	7.783	75	16431	4.625	ug/l #	51
37) Ethyl Acetate	6.996	43	4073	2.336	ug/l #	72
38) Carbon Tetrachloride	7.789	117	21066	5.693	ug/l #	16
41) Methacrylonitrile	7.356	41	433	2.983	ug/l #	61
42) 1,2-Dichloroethane	8.234	62	6728	2.325	ug/l	92
43) Isopropyl Acetate	8.252	43	4927	1.561	ug/l #	57
59) 2-Hexanone	10.794	43	1399	1.170	ug/l #	28
76) 1,2,3-Trichloropropane	12.477	75	53299	66.532	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	53299	138.980	ug/l #	7

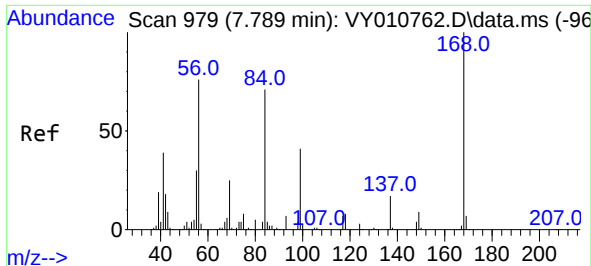
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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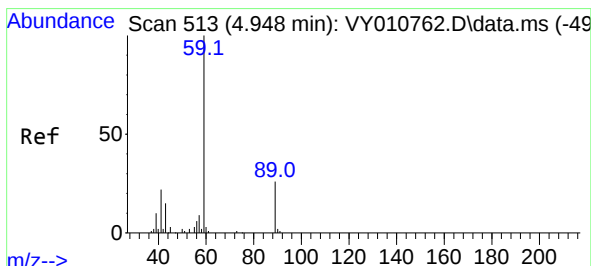
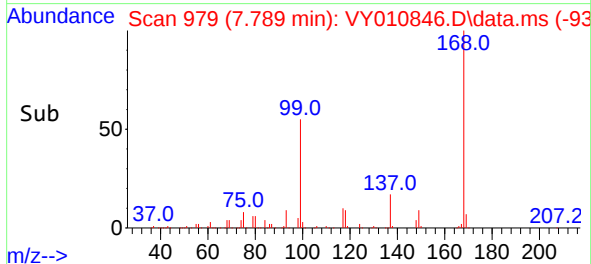
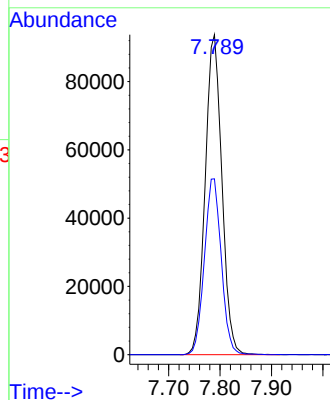
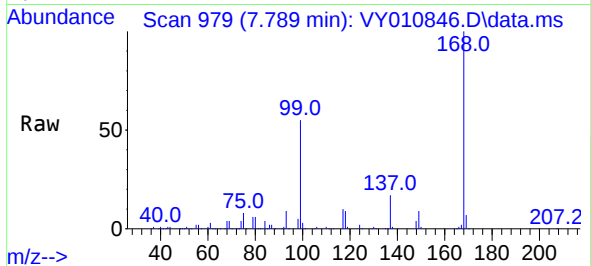




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

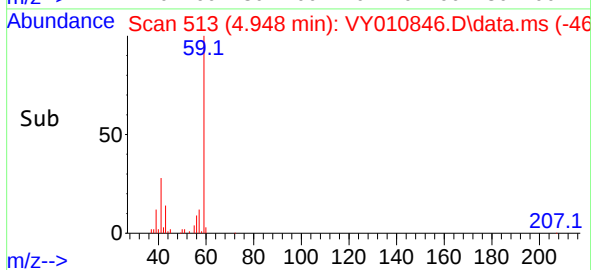
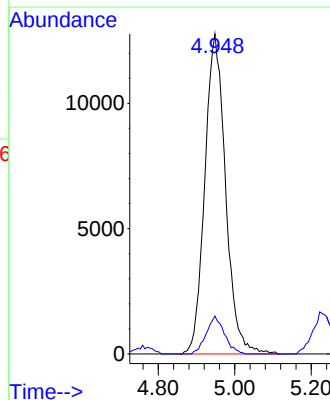
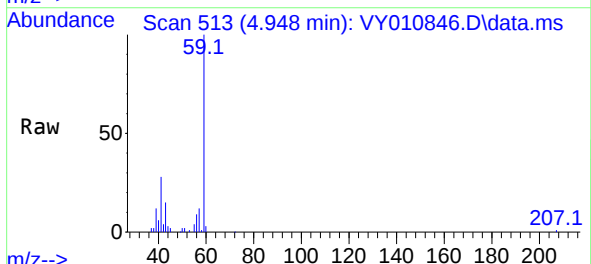
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

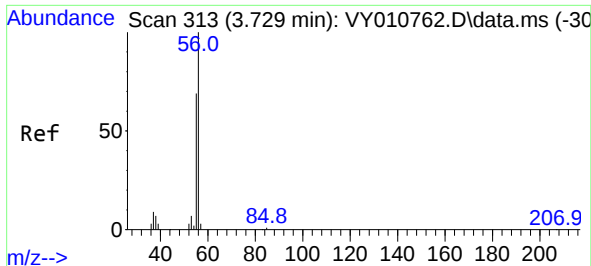
Tgt Ion:168 Resp: 211301
Ion Ratio Lower Upper
168 100
99 55.0 46.9 70.3



#11
Tert butyl alcohol
Concen: 258.760 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 59 Resp: 48158
Ion Ratio Lower Upper
59 100
57 10.4 6.4 9.6#

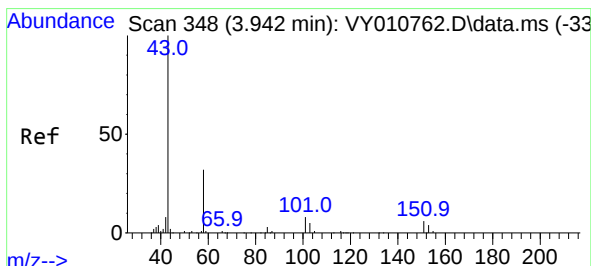
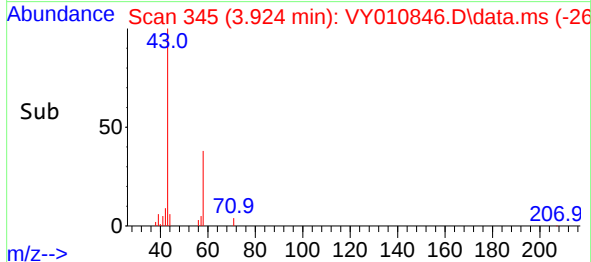
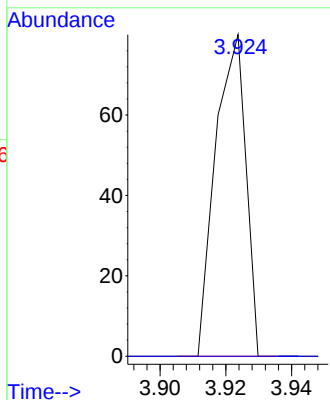
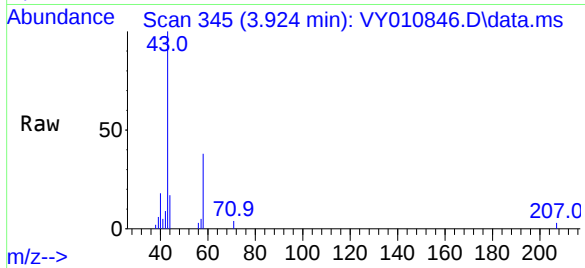




#13
Acrolein
Concen: Below Cal
RT: 3.924 min Scan# 34
Delta R.T. 0.195 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

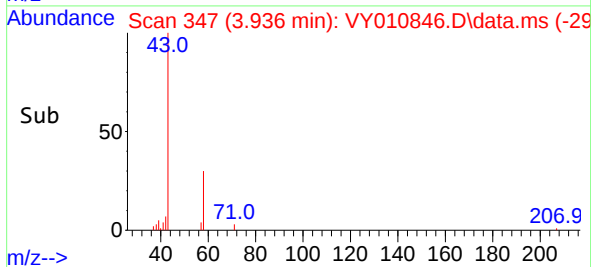
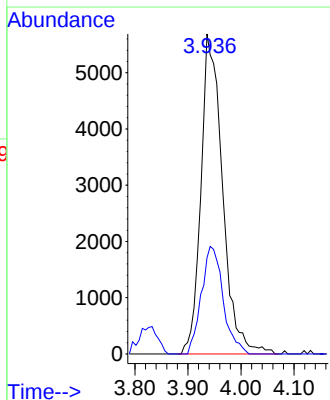
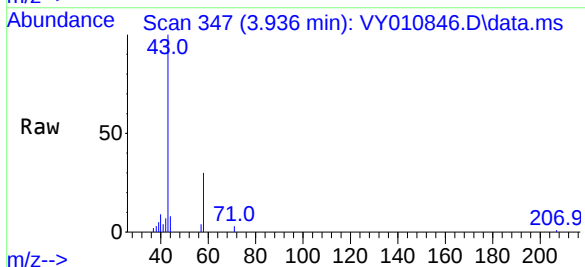
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

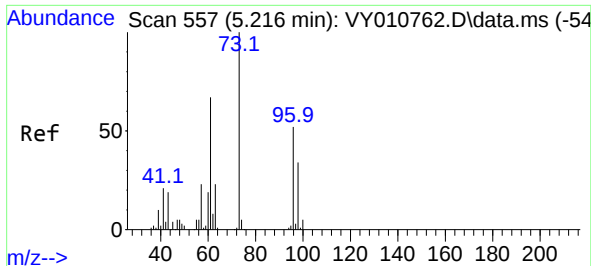
Tgt Ion: 56 Resp: 51
Ion Ratio Lower Upper
56 100
55 0.0 57.6 86.4#



#16
Acetone
Concen: 29.568 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.006 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 43 Resp: 16084
Ion Ratio Lower Upper
43 100
58 30.0 22.0 33.0

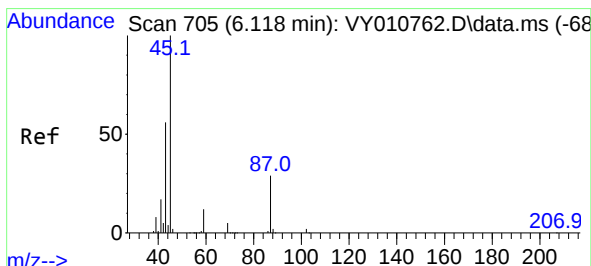
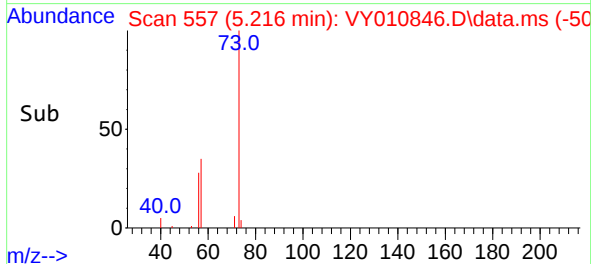
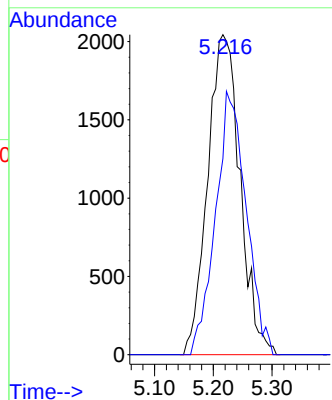
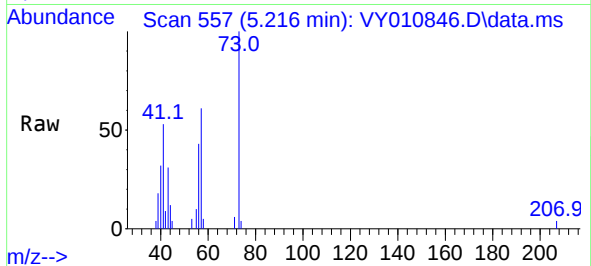




#19
Methyl tert-butyl Ether
Concen: 1.498 ug/l
RT: 5.216 min Scan# 51
Delta R.T. 0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

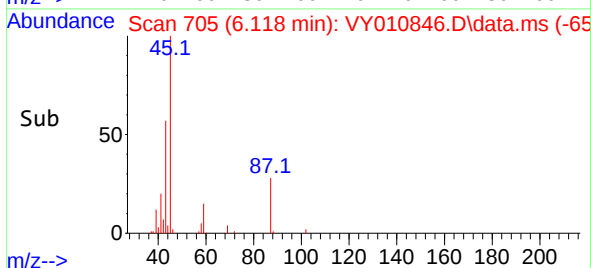
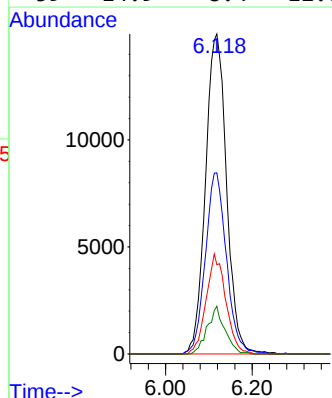
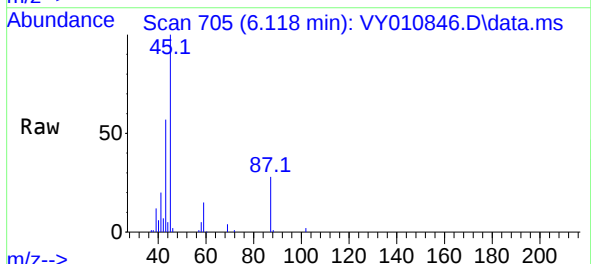
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

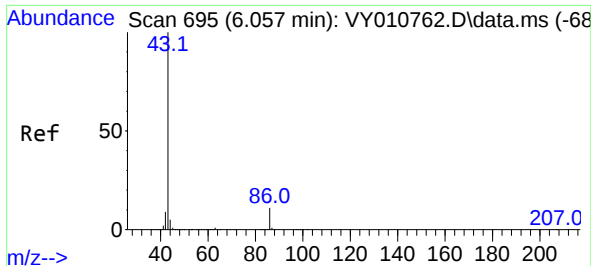
Tgt Ion: 73 Resp: 7834
Ion Ratio Lower Upper
73 100
57 61.3 18.6 27.8#



#22
Diisopropyl ether
Concen: 7.688 ug/l
RT: 6.118 min Scan# 705
Delta R.T. 0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 45 Resp: 50421
Ion Ratio Lower Upper
45 100
43 56.6 49.3 73.9
87 27.9 19.2 28.8
59 14.9 8.4 12.6#

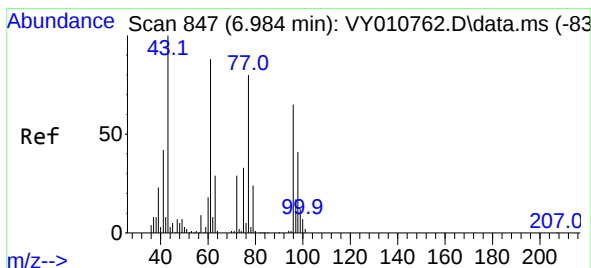
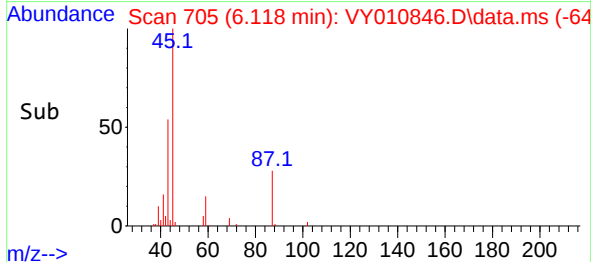
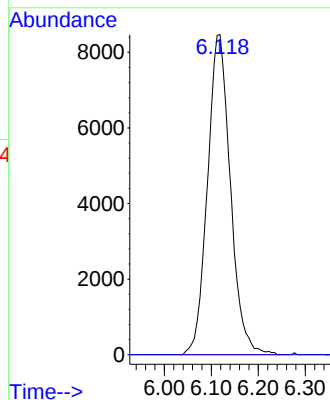
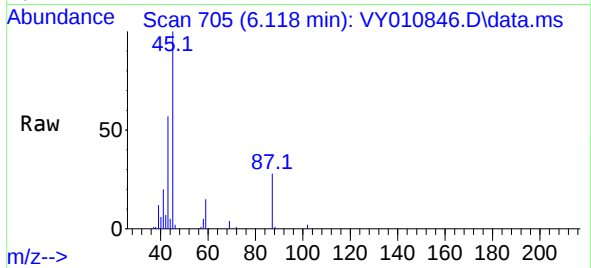




#23
 Vinyl Acetate
 Concen: 7.216 ug/l
 RT: 6.118 min Scan# 705
 Delta R.T. 0.061 min
 Lab File: VY010846.D
 Acq: 06 Oct 2022 15:45

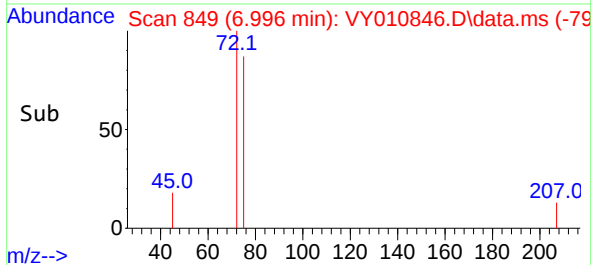
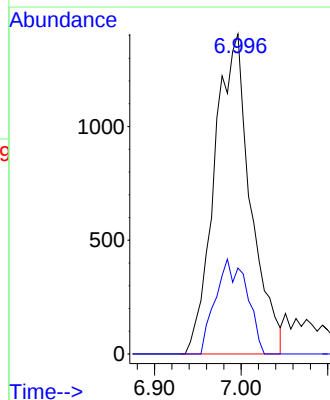
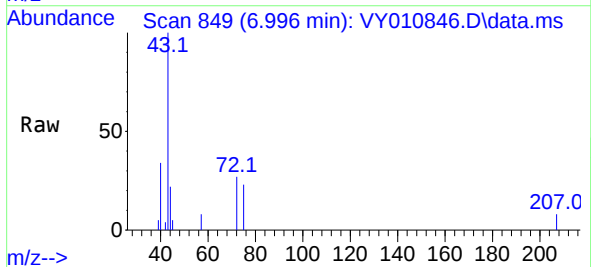
Instrument :
 MSVOA_Y
 ClientSampleId :
 D22019-18

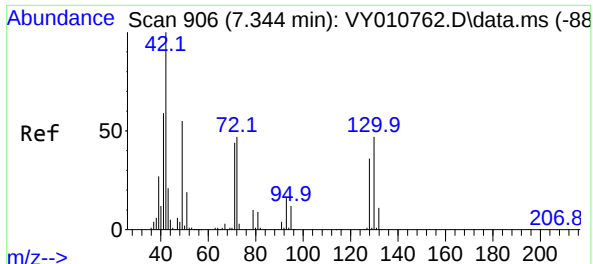
Tgt Ion: 43 Resp: 28669
 Ion Ratio Lower Upper
 43 100
 86 0.0 7.1 10.7#



#25
 2-Butanone
 Concen: 5.208 ug/l
 RT: 6.996 min Scan# 849
 Delta R.T. 0.012 min
 Lab File: VY010846.D
 Acq: 06 Oct 2022 15:45

Tgt Ion: 43 Resp: 4073
 Ion Ratio Lower Upper
 43 100
 72 26.9 17.7 26.5#





#29

Tetrahydrofuran

Concen: 1.633 ug/l

RT: 7.350 min Scan# 906

Delta R.T. 0.006 min

Lab File: VY010846.D

Acq: 06 Oct 2022 15:45

Instrument :

MSVOA_Y

ClientSampleId :

D22019-18

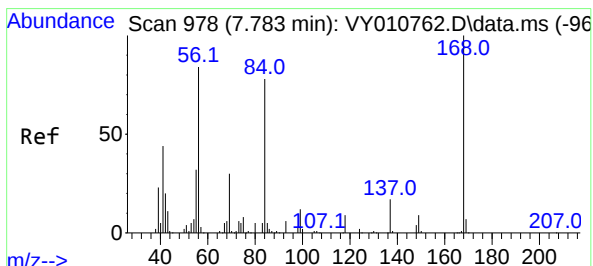
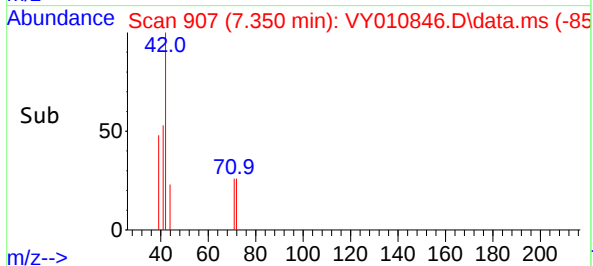
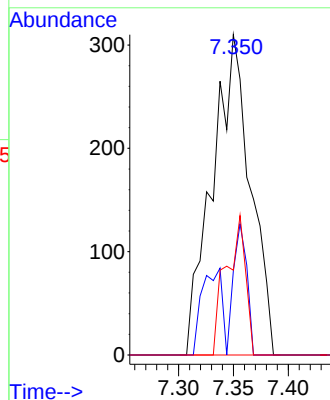
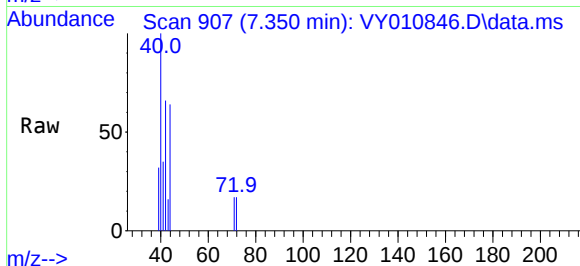
Tgt Ion: 42 Resp: 751

Ion Ratio Lower Upper

42 100

72 14.4 30.3 45.5#

71 22.1 29.0 43.4#



#31

Cyclohexane

Concen: 2.097 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.006 min

Lab File: VY010846.D

Acq: 06 Oct 2022 15:45

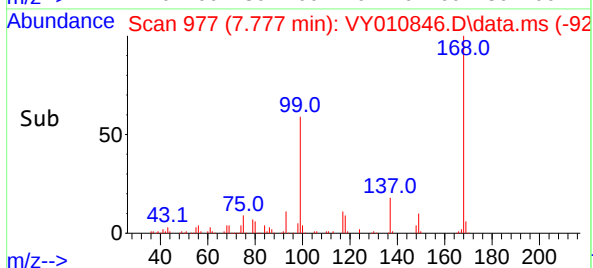
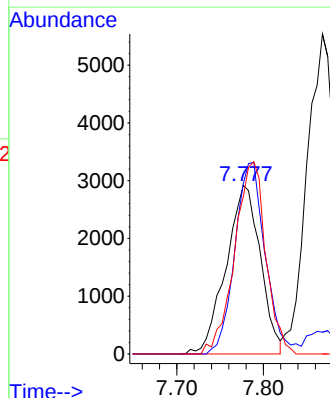
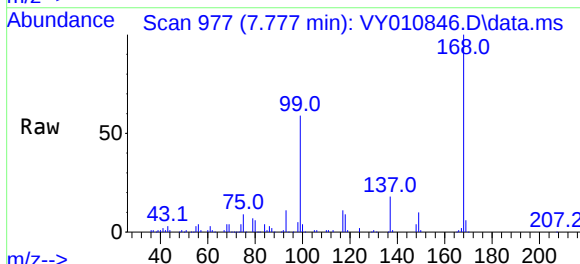
Tgt Ion: 56 Resp: 8039

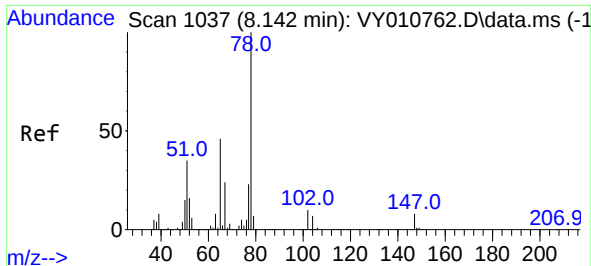
Ion Ratio Lower Upper

56 100

69 100.9 26.7 40.1#

84 93.0 67.2 100.8





#33

1,2-Dichloroethane-d4

Concen: 59.874 ug/l

RT: 8.136 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY010846.D

Acq: 06 Oct 2022 15:45

Instrument :

MSVOA_Y

ClientSampleId :

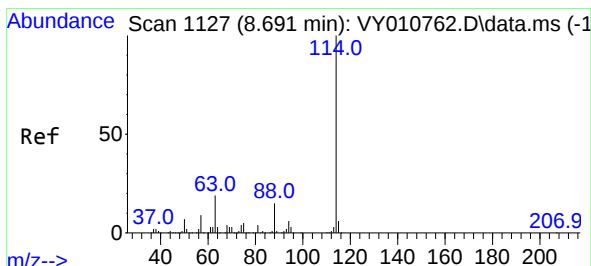
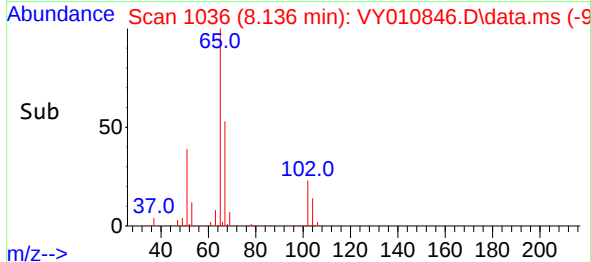
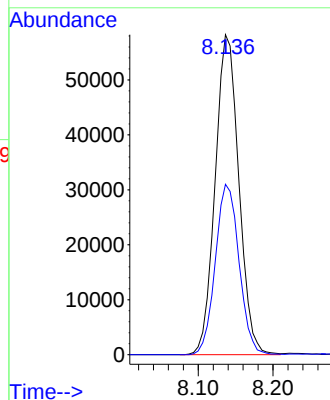
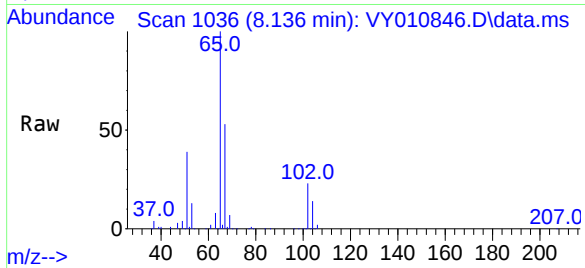
D22019-18

Tgt Ion: 65 Resp: 128238

Ion Ratio Lower Upper

65 100

67 53.4 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY010846.D

Acq: 06 Oct 2022 15:45

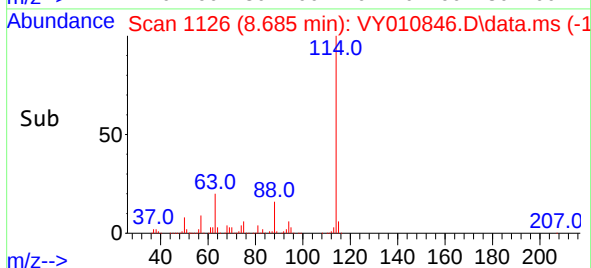
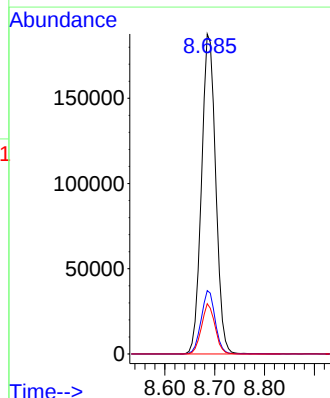
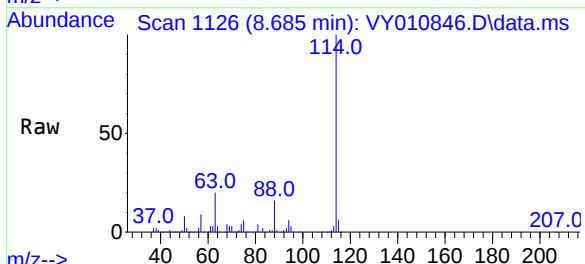
Tgt Ion: 114 Resp: 370730

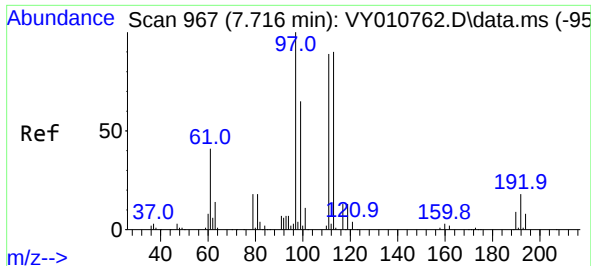
Ion Ratio Lower Upper

114 100

63 19.8 0.0 43.2

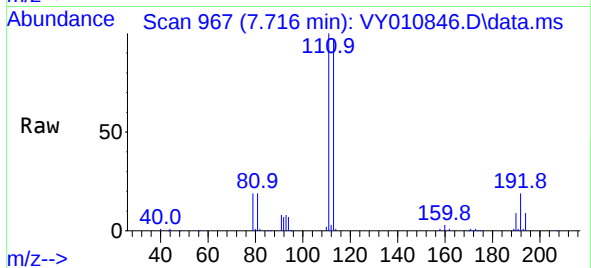
88 15.7 0.0 31.8



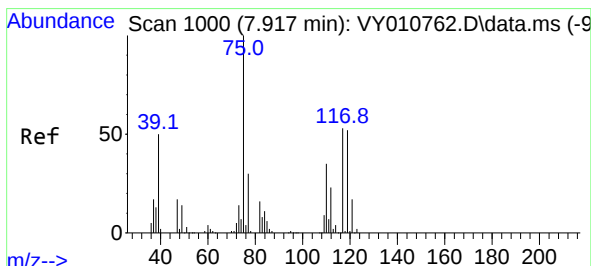
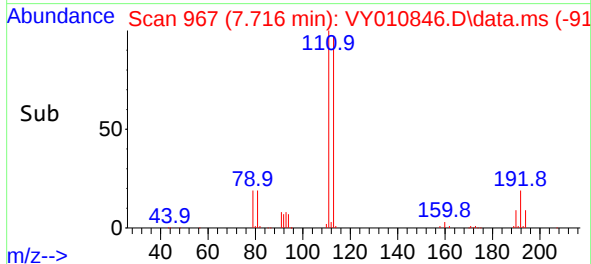
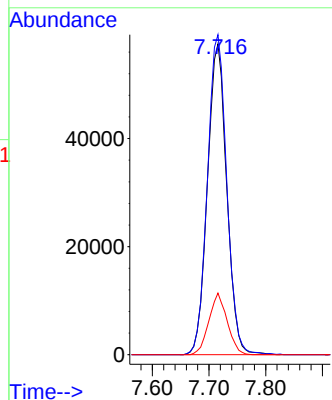


#35
Dibromofluoromethane
Concen: 55.178 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Instrument :
MSVOA_Y
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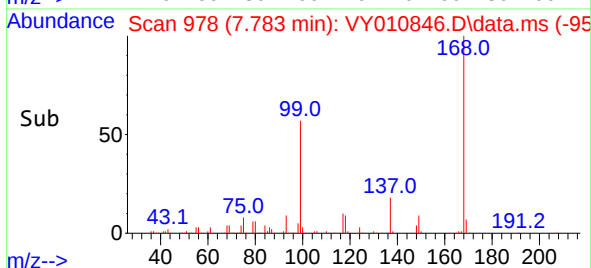
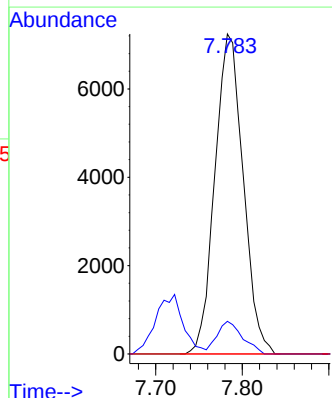
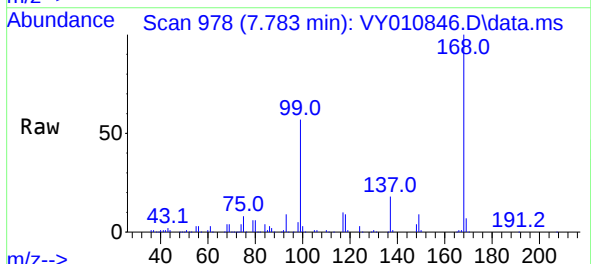


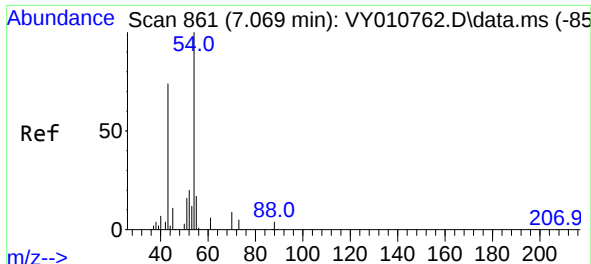
Tgt Ion:113 Resp: 135788
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 18.8 17.6 26.4



#36
1,1-Dichloropropene
Concen: 4.625 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.134 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 75 Resp: 16431
Ion Ratio Lower Upper
75 100
110 9.1 17.1 51.2#
77 0.0 24.4 36.6#

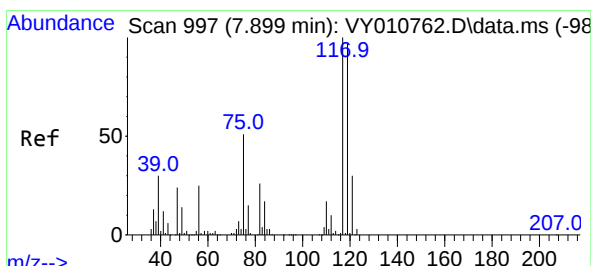
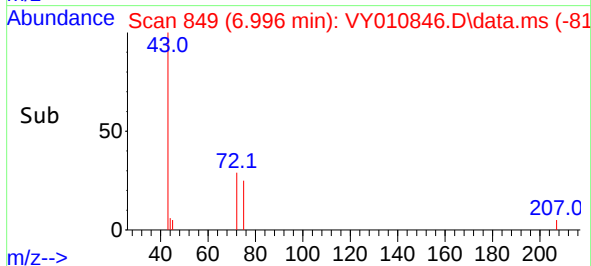
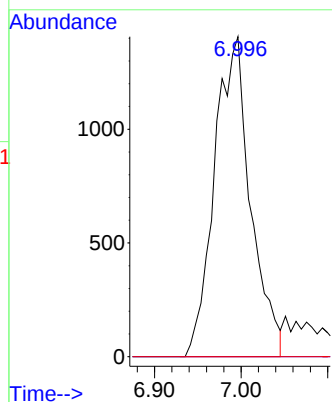
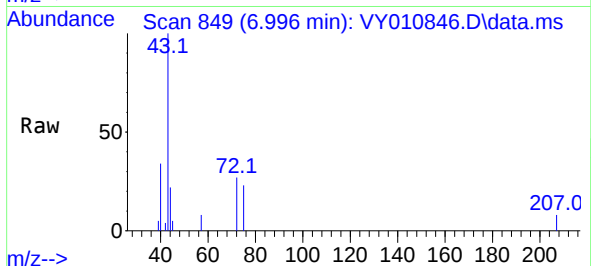




#37
Ethyl Acetate
Concen: 2.336 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.073 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

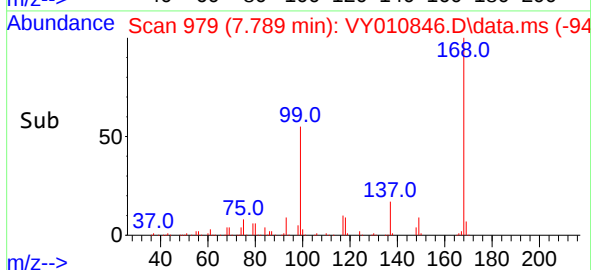
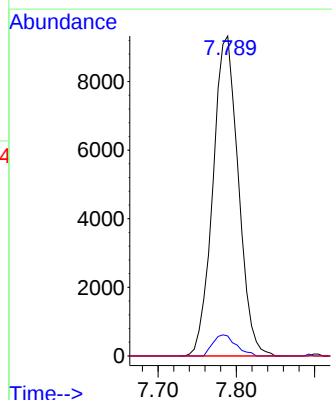
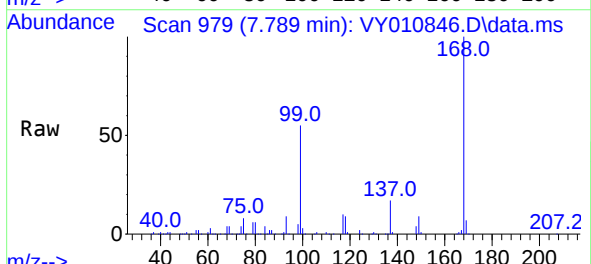
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

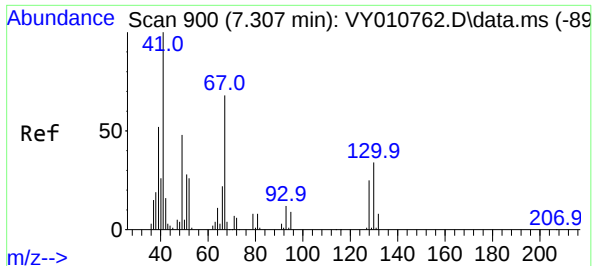
Tgt Ion: 43 Resp: 4073
Ion Ratio Lower Upper
43 100
61 0.0 9.7 14.5#
70 0.0 7.1 10.7#



#38
Carbon Tetrachloride
Concen: 5.693 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 117 Resp: 21066
Ion Ratio Lower Upper
117 100
119 6.2 77.9 116.9#
121 0.0 24.8 37.2#

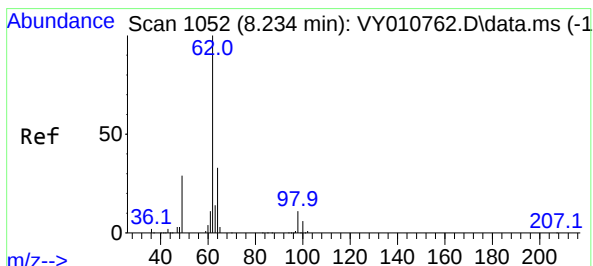
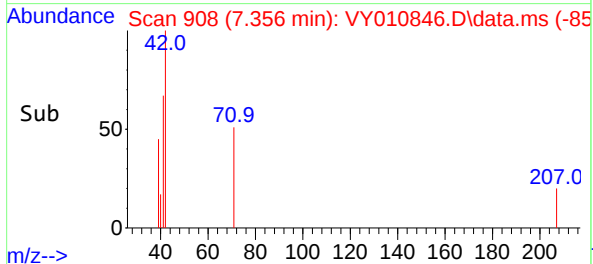
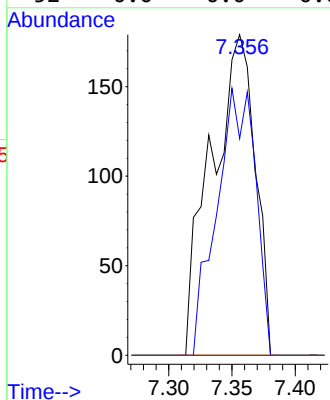
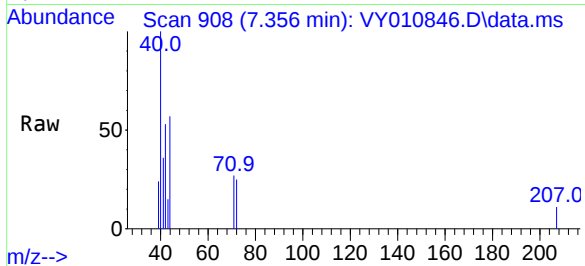




#41
Methacrylonitrile
Concen: 2.983 ug/l
RT: 7.356 min Scan# 901
Delta R.T. 0.049 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

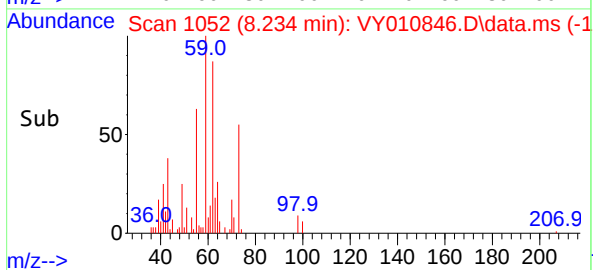
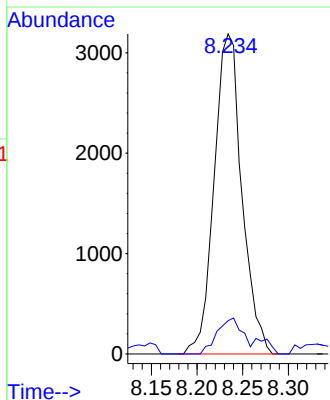
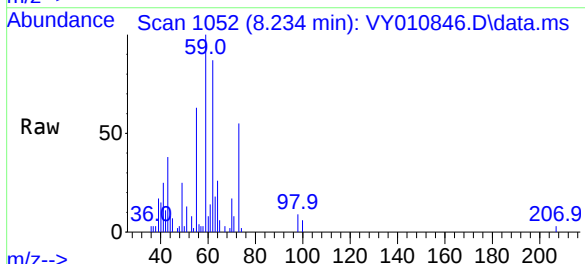
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

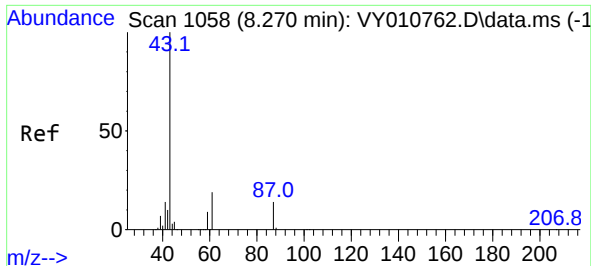
Tgt Ion: 41 Resp: 433
Ion Ratio Lower Upper
41 100
39 73.2 92.9 139.3#
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 2.325 ug/l
RT: 8.234 min Scan# 1052
Delta R.T. -0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 62 Resp: 6728
Ion Ratio Lower Upper
62 100
98 10.2 0.0 14.8

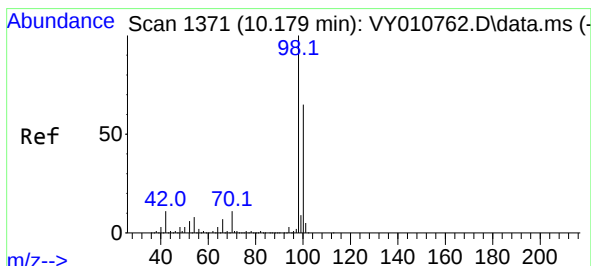
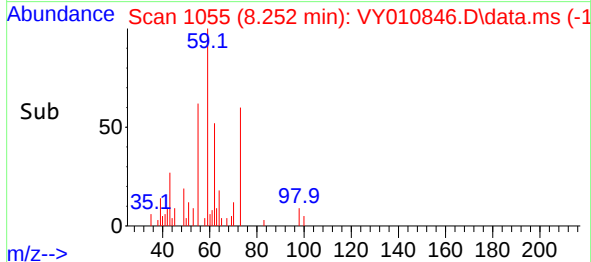
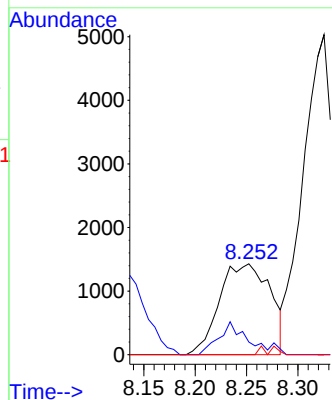
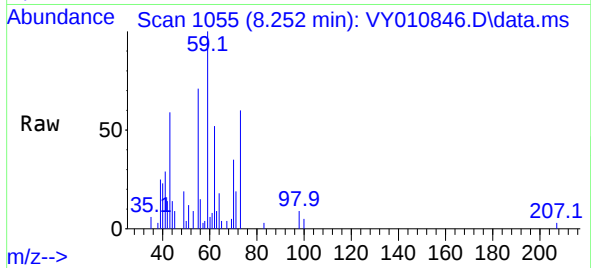




#43
Isopropyl Acetate
Concen: 1.561 ug/l
RT: 8.252 min Scan# 1055
Delta R.T. -0.018 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

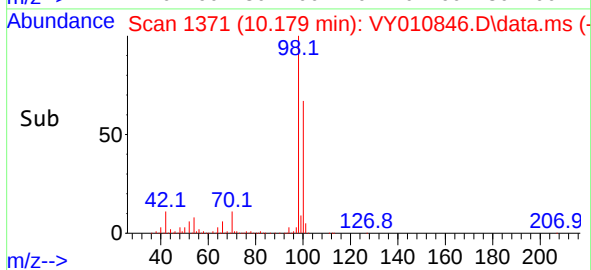
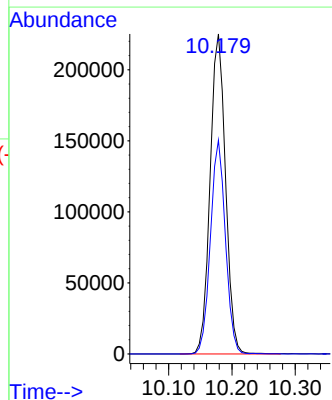
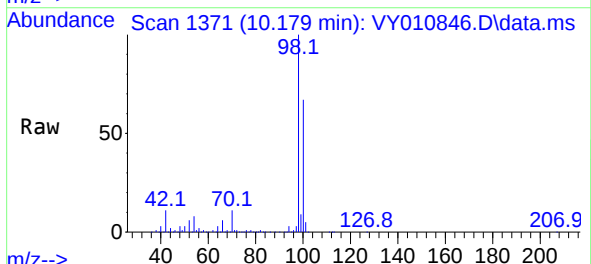
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

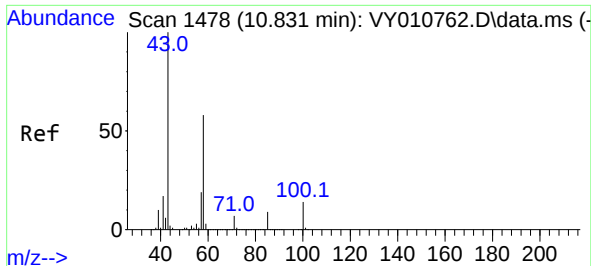
Tgt Ion: 43 Resp: 4927
Ion Ratio Lower Upper
43 100
61 0.0 20.2 30.2#
87 1.0 8.9 13.3#



#50
Toluene-d8
Concen: 45.317 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 98 Resp: 381393
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2

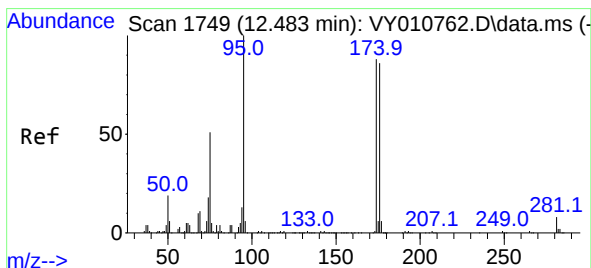
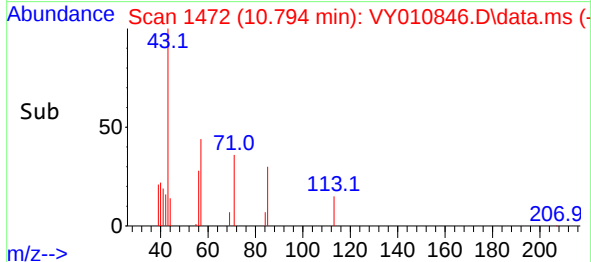
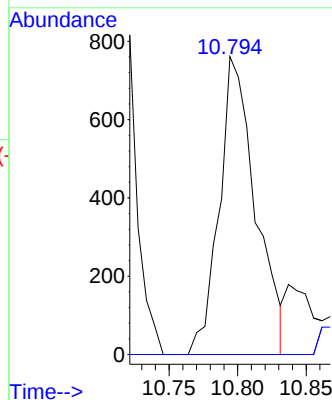
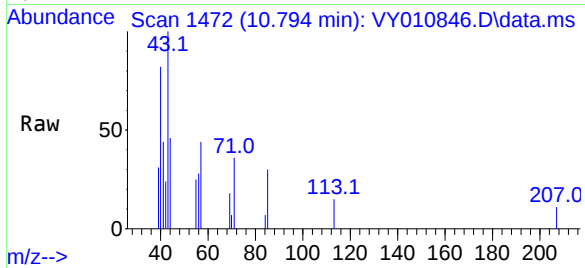




#59
2-Hexanone
Concen: 1.170 ug/l
RT: 10.794 min Scan# 1478
Delta R.T. -0.037 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

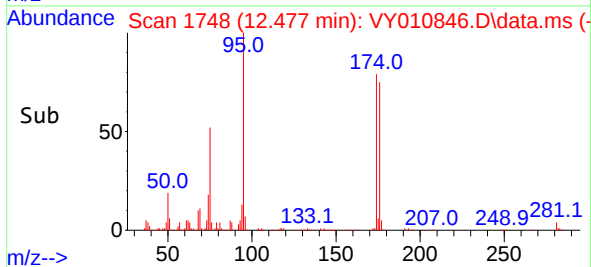
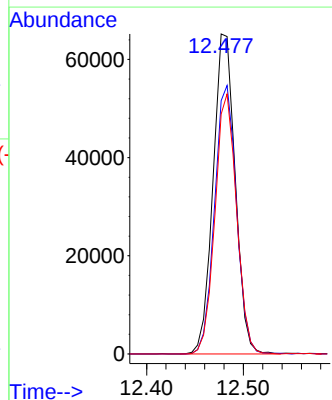
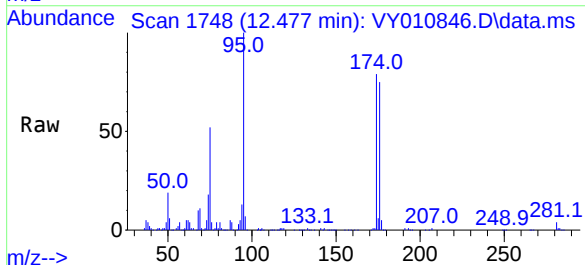
Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

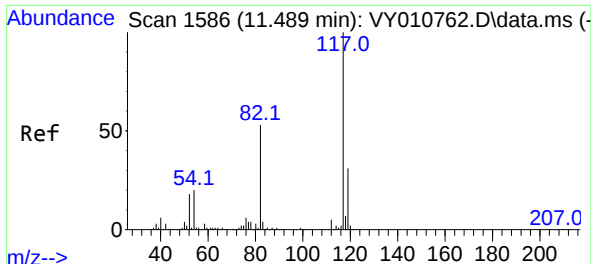
Tgt Ion: 43 Resp: 1399
Ion Ratio Lower Upper
43 100
58 0.0 24.4 73.4#



#62
4-Bromofluorobenzene
Concen: 29.981 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

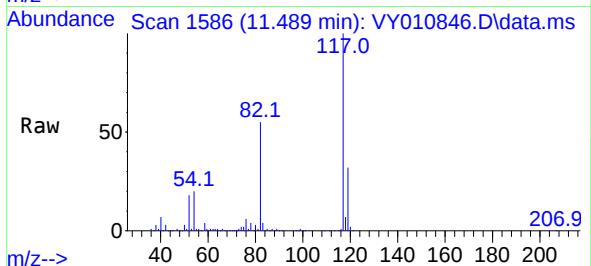
Tgt Ion: 95 Resp: 103421
Ion Ratio Lower Upper
95 100
174 82.9 0.0 177.0
176 79.2 0.0 175.8



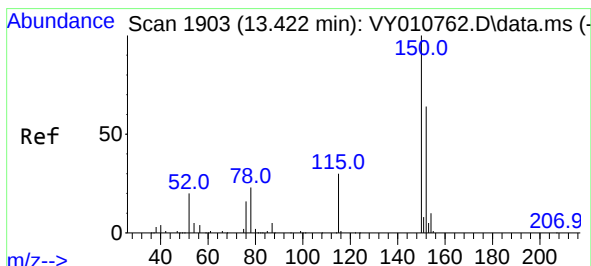
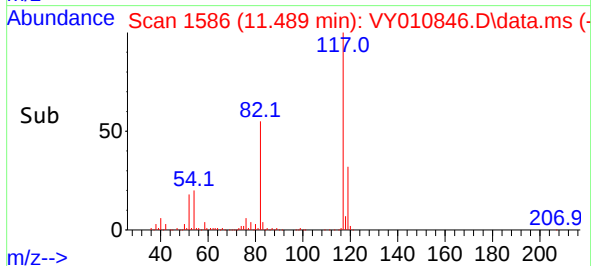
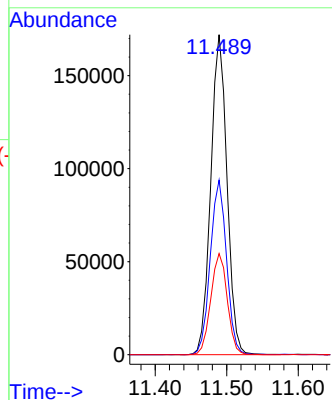


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. 0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

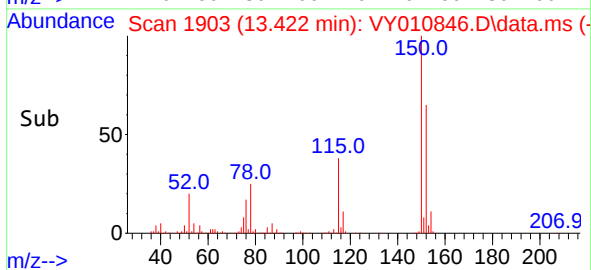
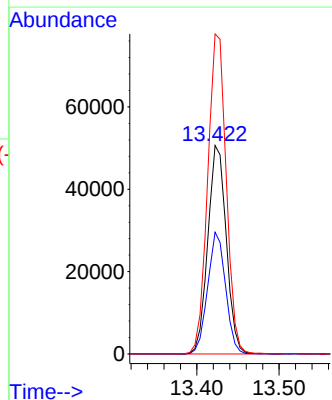
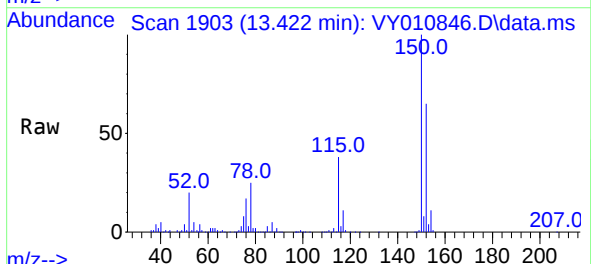


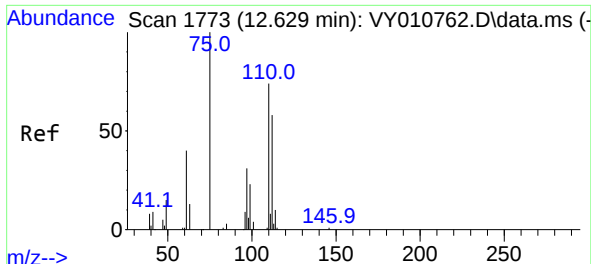
Tgt Ion:117 Resp: 270876
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 31.6 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion:152 Resp: 79106
Ion Ratio Lower Upper
152 100
115 56.7 28.2 84.7
150 154.3 0.0 347.6

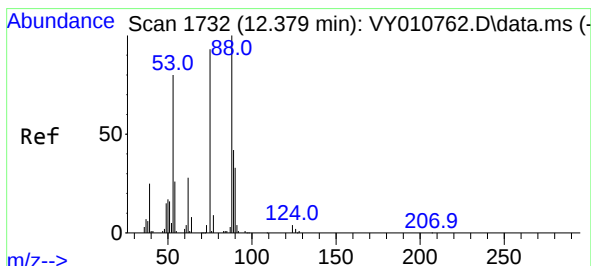
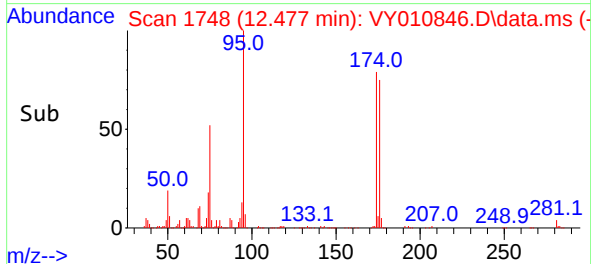
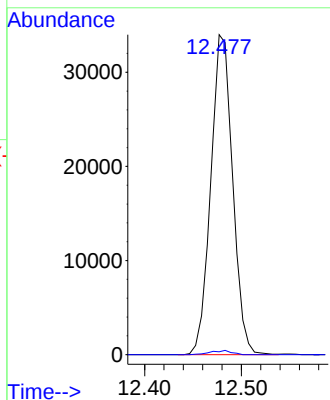
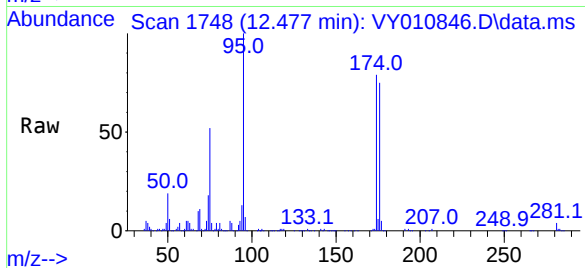




#76
1,2,3-Trichloropropane
Concen: 66.532 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Instrument :
MSVOA_Y
ClientSampleId :
D22019-18

Tgt Ion: 75 Resp: 53299
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 138.980 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.098 min
Lab File: VY010846.D
Acq: 06 Oct 2022 15:45

Tgt Ion: 75 Resp: 53299
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.2 37.0 55.4#

