

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031759.D
 Acq On : 29 Sep 2022 04:53
 Operator : JC/MD
 Sample : N4850-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14B-SP-2-GR

Quant Time: Sep 29 06:26:07 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X092622W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 27 01:44:18 2022
 Response via : Initial Calibration

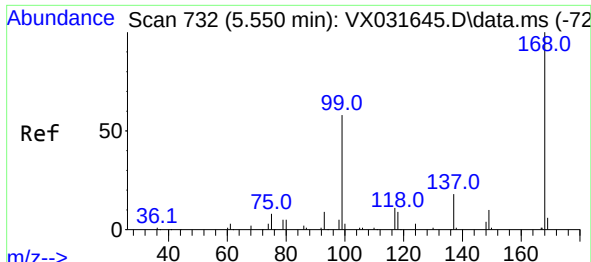
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	5.550	168	132283	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	224910	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	252338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	135974	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	140434	50.019	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.040%			
35) Dibromofluoromethane	5.385	113	117918	44.002	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.000%			
50) Toluene-d8	8.653	98	471292	48.509	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.020%			
62) 4-Bromofluorobenzene	11.079	95	160144	44.973	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 89.940%			
Target Compounds						
					Qvalue	
3) Chloromethane	1.288	50	217	Below Cal	#	41
5) Bromomethane	1.611	94	527	Below Cal	#	79
6) Chloroethane	1.666	64	479	Below Cal		98
11) Tert butyl alcohol	2.952	59	2491	Below Cal	#	73
13) Acrolein	2.294	56	26	Below Cal	#	15
16) Acetone	2.392	43	13268	1.514	ug/l	94
18) Methyl Acetate	2.709	43	1507	0.597	ug/l	95
20) Methylene Chloride	2.788	84	6678	2.141	ug/l	92
25) 2-Butanone	4.580	43	1842	1.374	ug/l	93
29) Tetrahydrofuran	5.013	42	302	0.359	ug/l #	72
31) Cyclohexane	5.550	56	2730	1.023	ug/l #	22
36) 1,1-Dichloropropene	5.543	75	10146	3.297	ug/l #	51
37) Ethyl Acetate	4.720	43	13170	4.243	ug/l	97
38) Carbon Tetrachloride	5.550	117	13757	3.966	ug/l #	18
40) Benzene	6.043	78	2723	0.288	ug/l	100
43) Isopropyl Acetate	6.342	43	56733	11.612	ug/l #	94
48) Methyl methacrylate	7.799	41	43689	20.333	ug/l #	46
51) 4-Methyl-2-Pentanone	8.549	43	42403	13.711	ug/l #	53
53) t-1,3-Dichloropropene	8.957	75	238	1.944	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	21169	6.127	ug/l #	61
56) Ethyl methacrylate	9.244	69	701	0.202	ug/l #	1
57) 1,3-Dichloropropane	9.482	76	1927	0.449	ug/l #	43
59) 2-Hexanone	9.482	43	20876	9.047	ug/l #	55
76) 1,2,3-Trichloropropane	11.079	75	83492	33.870	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	83492	111.246	ug/l #	11

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

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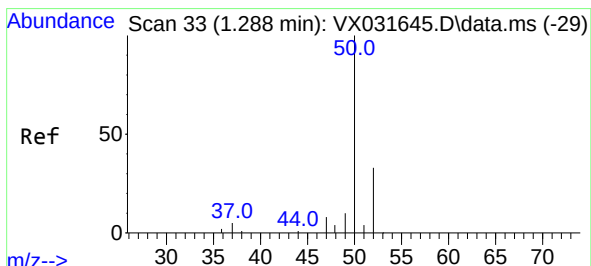
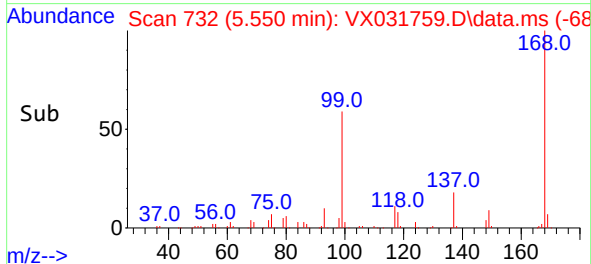
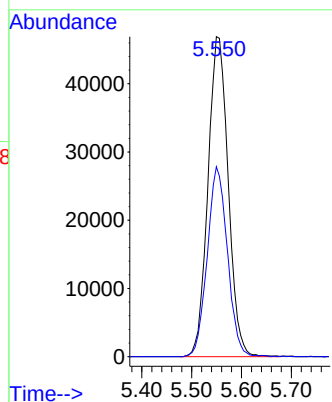
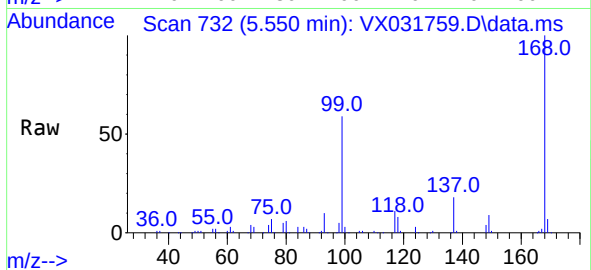




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

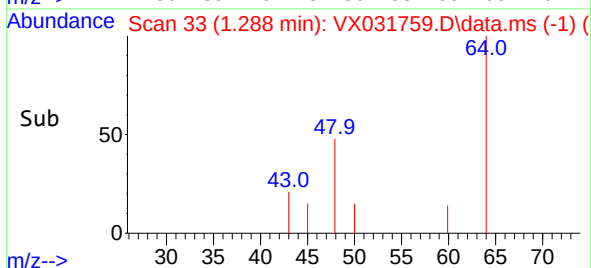
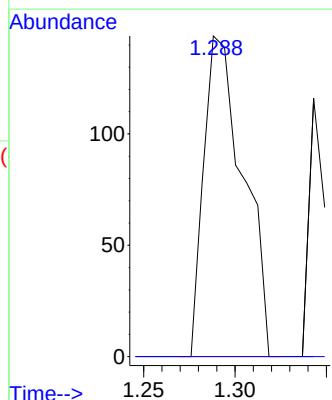
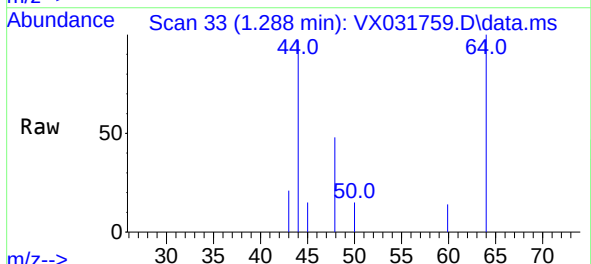
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

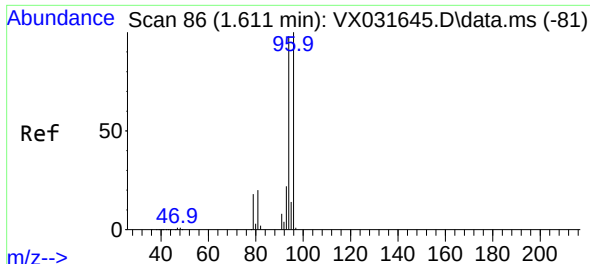
Tgt Ion:168 Resp: 132283
Ion Ratio Lower Upper
168 100
99 59.4 48.8 73.2



#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 50 Resp: 217
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#

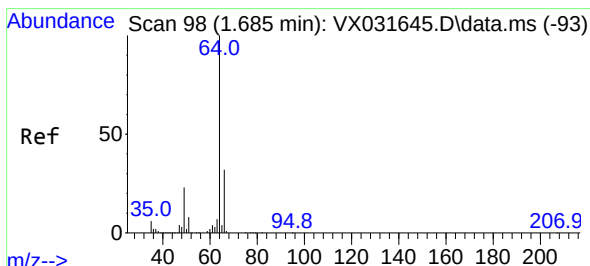
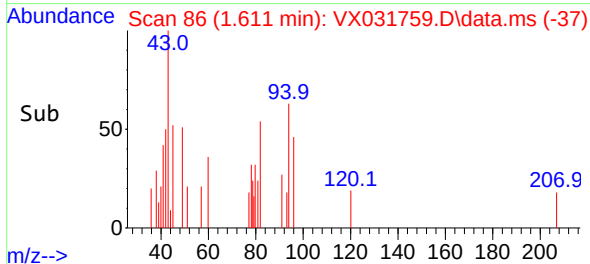
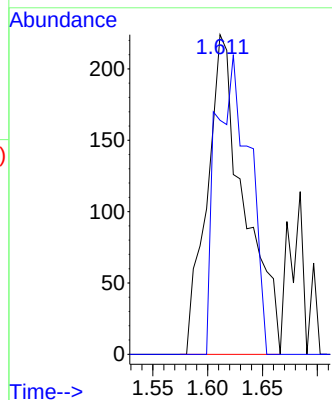
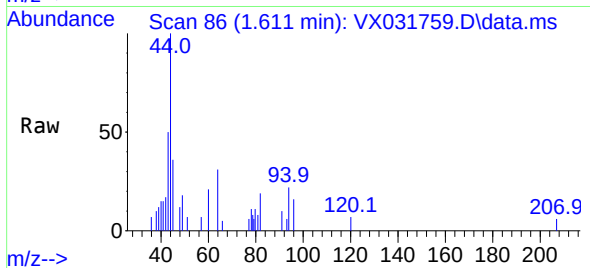




#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 81
Delta R.T. 0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

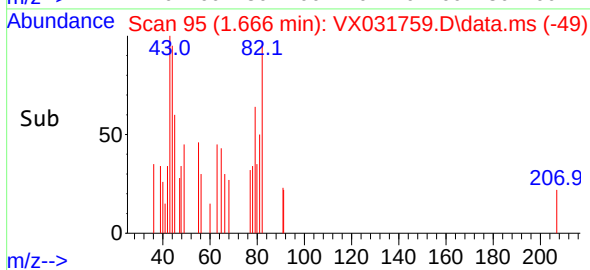
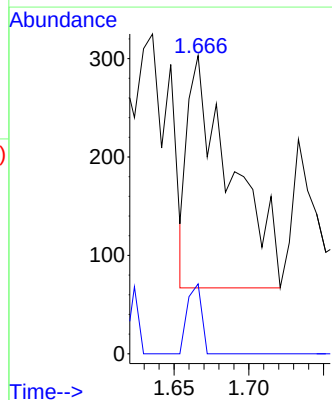
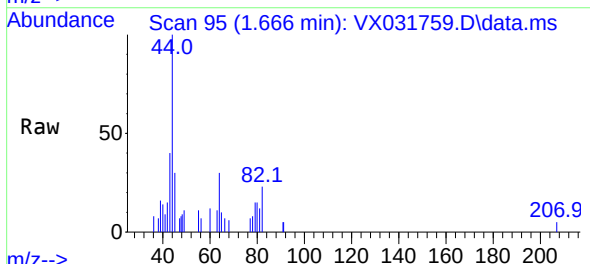
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

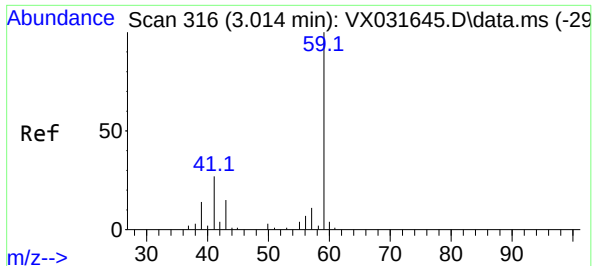
Tgt Ion: 94 Resp: 527
Ion Ratio Lower Upper
94 100
96 73.2 74.4 111.6#



#6
Chloroethane
Concen: Below Cal
RT: 1.666 min Scan# 95
Delta R.T. -0.019 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 64 Resp: 479
Ion Ratio Lower Upper
64 100
66 30.1 25.0 37.4





#11

Tert butyl alcohol

Concen: Below Cal

RT: 2.952 min Scan# 30

Delta R.T. -0.037 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

Instrument :

MSVOA_X

ClientSampleId :

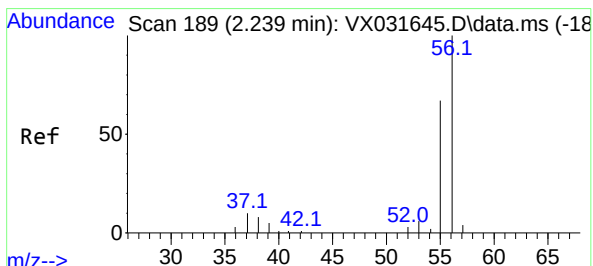
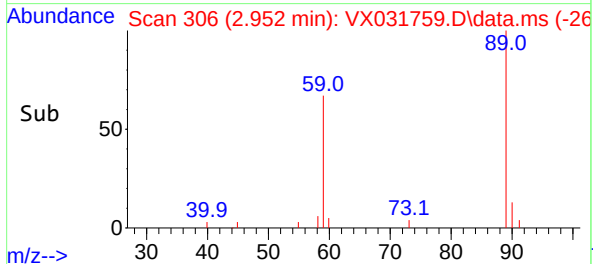
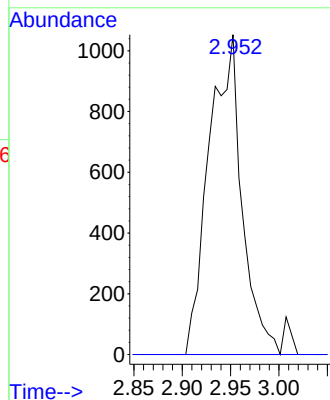
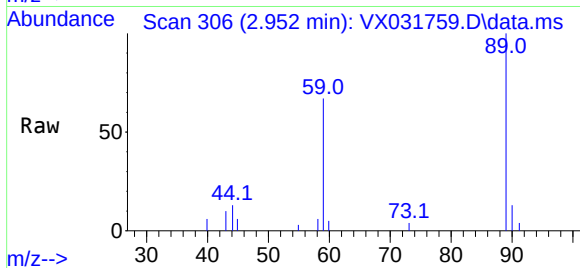
WC-14B-SP-2-GR

Tgt Ion: 59 Resp: 2491

Ion Ratio Lower Upper

59 100

57 0.0 8.2 12.2#



#13

Acrolein

Concen: Below Cal

RT: 2.294 min Scan# 198

Delta R.T. 0.055 min

Lab File: VX031759.D

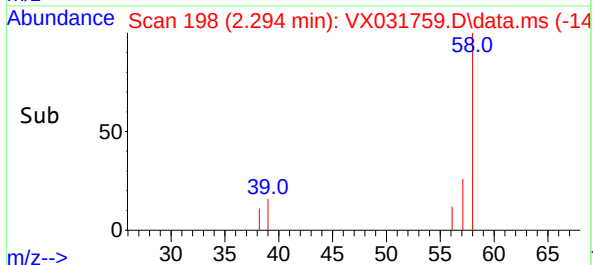
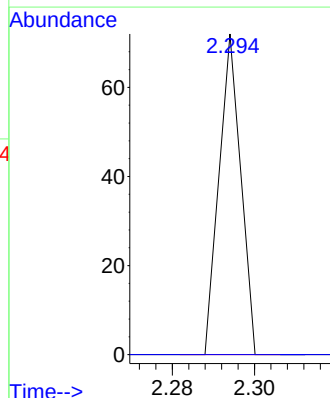
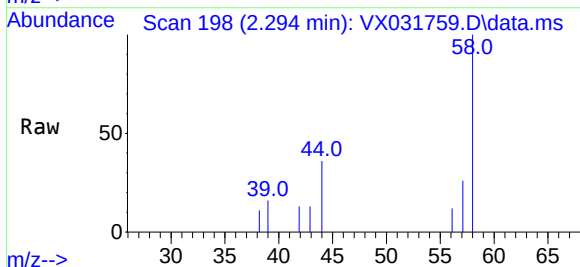
Acq: 29 Sep 2022 04:53

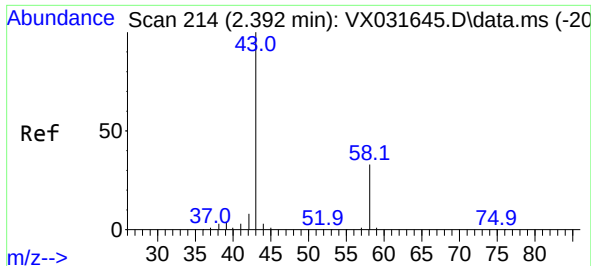
Tgt Ion: 56 Resp: 26

Ion Ratio Lower Upper

56 100

55 0.0 56.0 84.0#

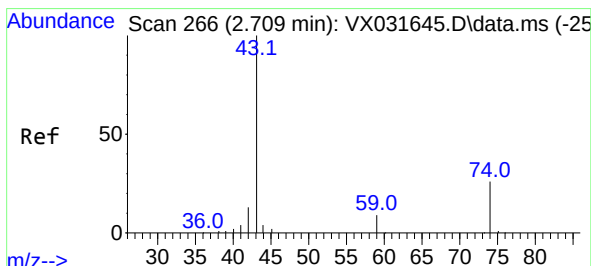
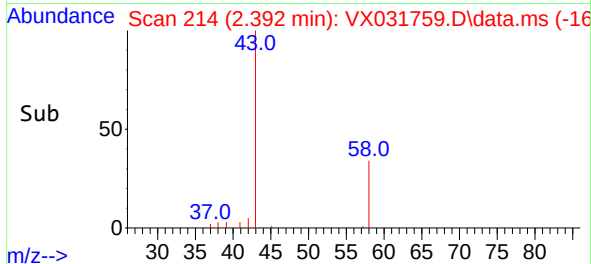
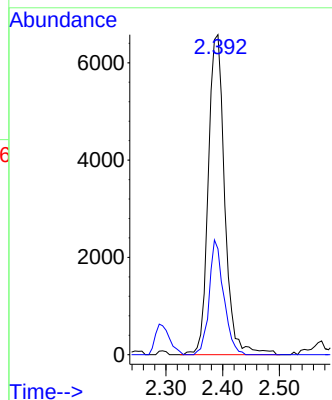
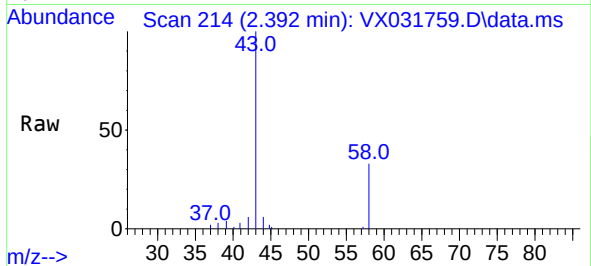




#16
Acetone
Concen: 1.514 ug/l
RT: 2.392 min Scan# 214
Delta R.T. 0.006 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

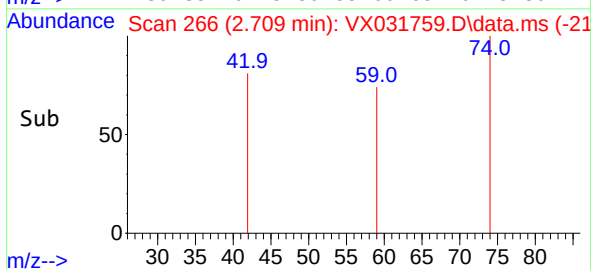
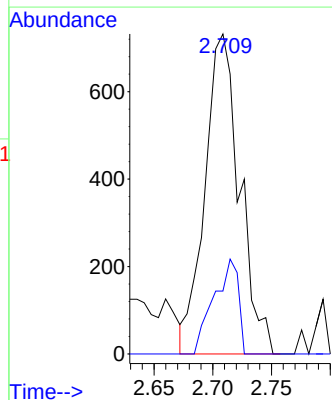
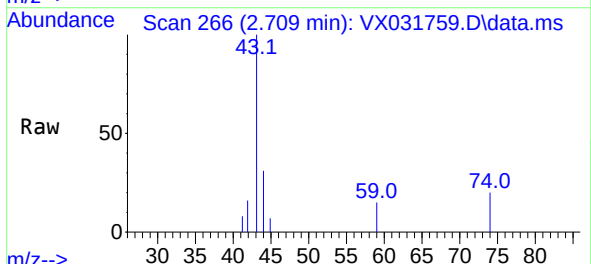
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

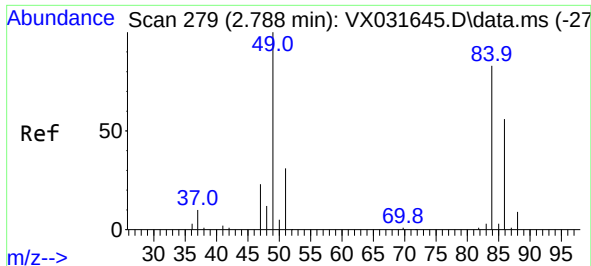
Tgt Ion: 43 Resp: 13268
Ion Ratio Lower Upper
43 100
58 33.0 23.8 35.8



#18
Methyl Acetate
Concen: 0.597 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
74 20.9 18.6 27.8



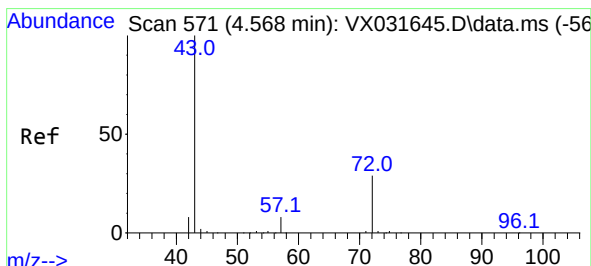
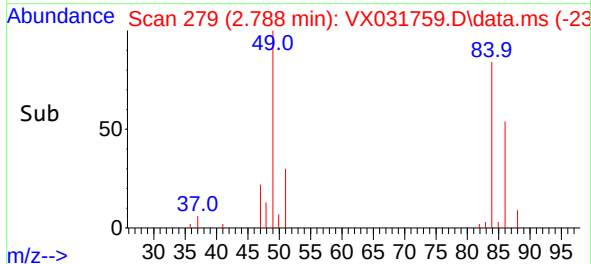
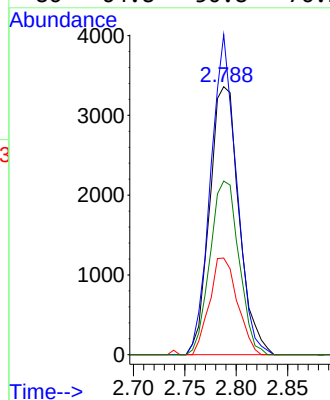
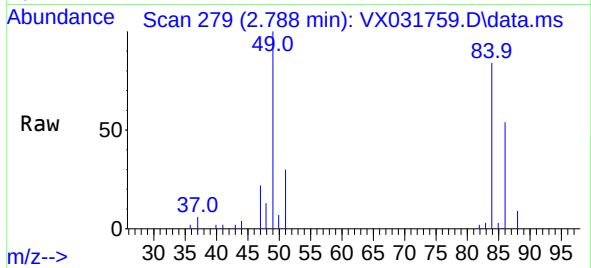


#20
Methylene Chloride
Concen: 2.141 ug/l
RT: 2.788 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

Tgt Ion: 84 Resp: 6678

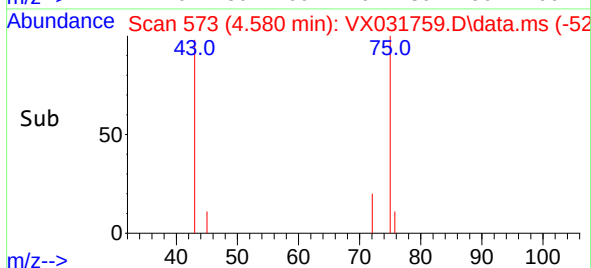
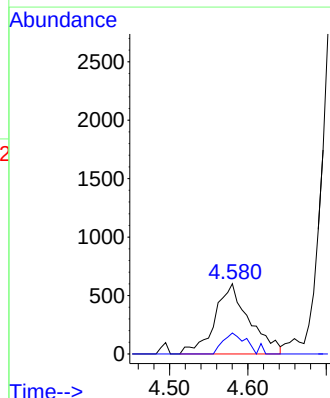
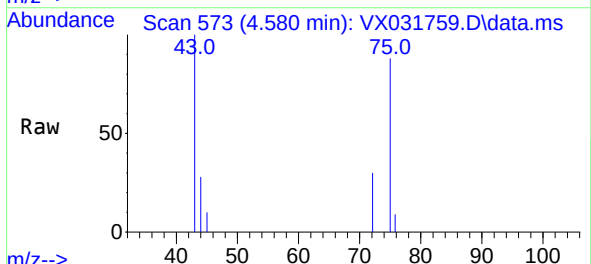
Ion	Ratio	Lower	Upper
84	100		
49	119.4	105.9	158.9
51	36.1	32.2	48.2
86	64.8	50.8	76.2

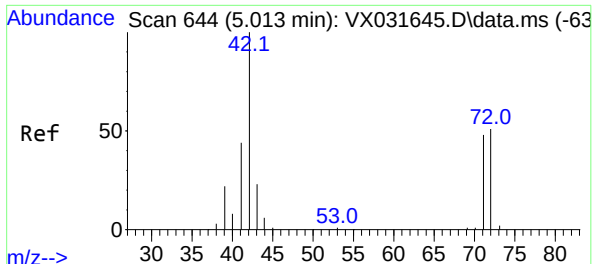


#25
2-Butanone
Concen: 1.374 ug/l
RT: 4.580 min Scan# 573
Delta R.T. 0.018 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 43 Resp: 1842

Ion	Ratio	Lower	Upper
43	100		
72	29.8	21.1	31.7





#29

Tetrahydrofuran

Concen: 0.359 ug/l

RT: 5.013 min Scan# 64

Delta R.T. 0.000 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

Instrument :

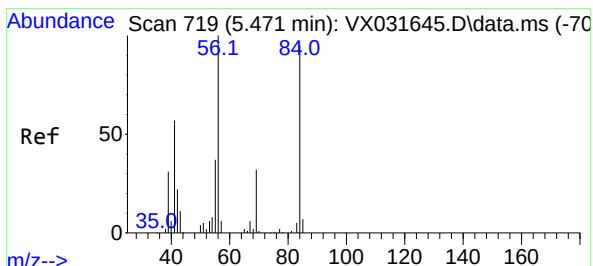
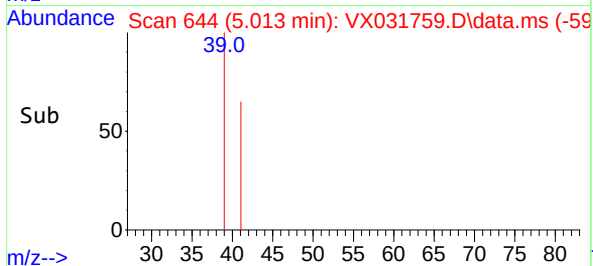
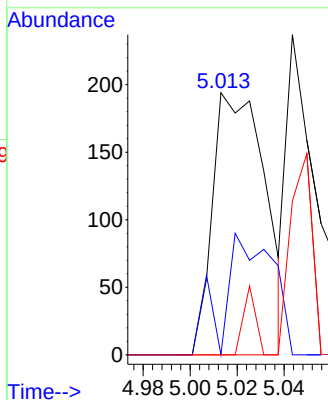
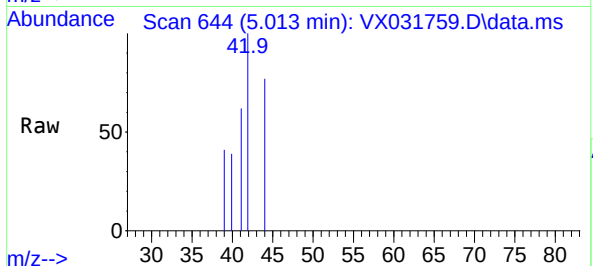
MSVOA_X

ClientSampleId :

WC-14B-SP-2-GR

Tgt Ion: 42 Resp: 302

Ion	Ratio	Lower	Upper
42	100		
72	44.0	36.4	54.6
71	6.3	33.5	50.3#



#31

Cyclohexane

Concen: 1.023 ug/l

RT: 5.550 min Scan# 732

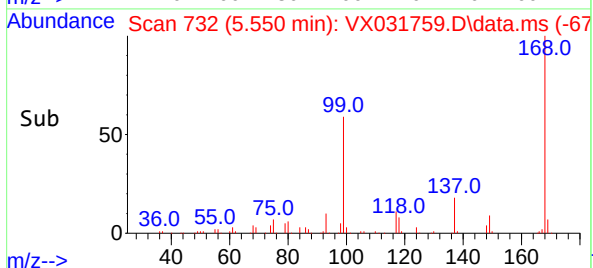
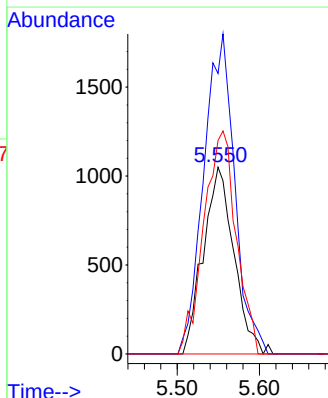
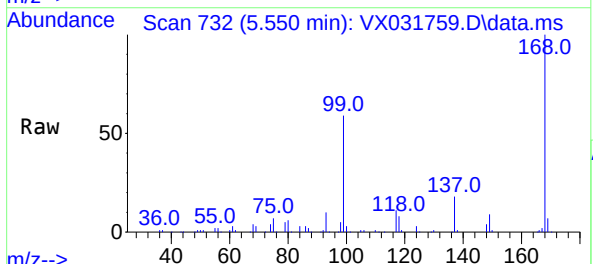
Delta R.T. 0.079 min

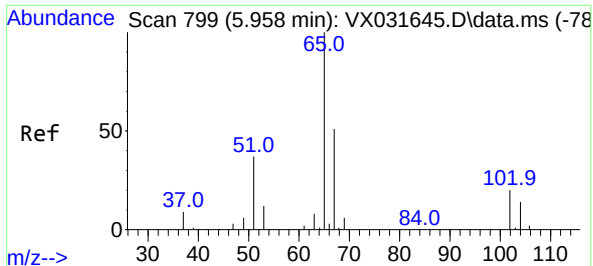
Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

Tgt Ion: 56 Resp: 2730

Ion	Ratio	Lower	Upper
56	100		
69	150.2	25.1	37.7#
84	114.3	70.2	105.4#





#33

1,2-Dichloroethane-d4

Concen: 50.019 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

Instrument :

MSVOA_X

ClientSampleId :

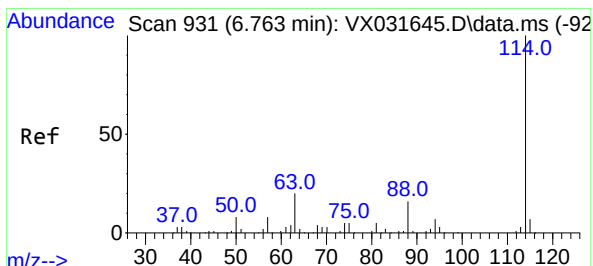
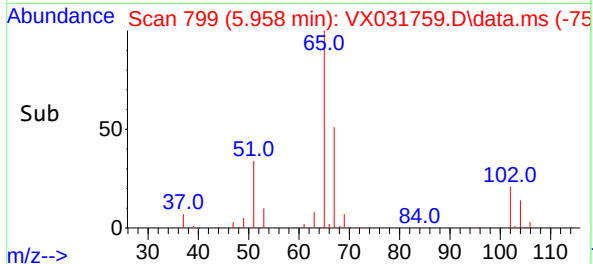
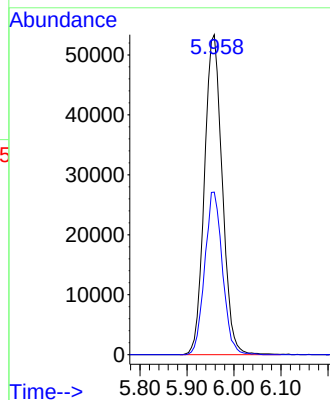
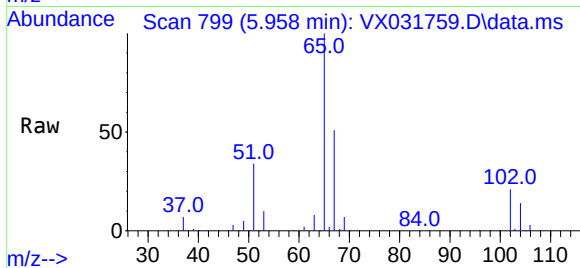
WC-14B-SP-2-GR

Tgt Ion: 65 Resp: 140434

Ion Ratio Lower Upper

65 100

67 50.4 0.0 102.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. -0.000 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

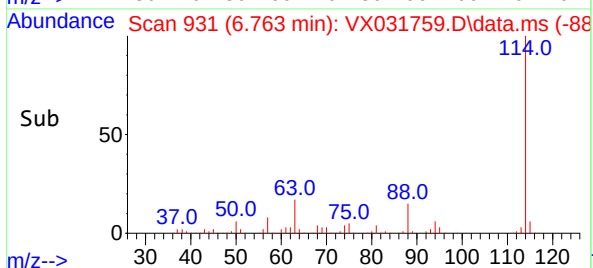
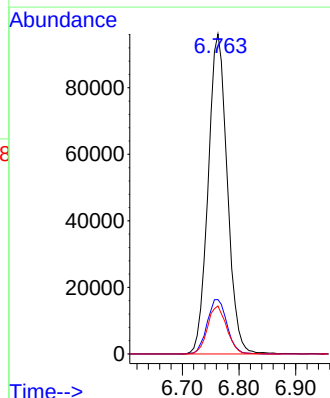
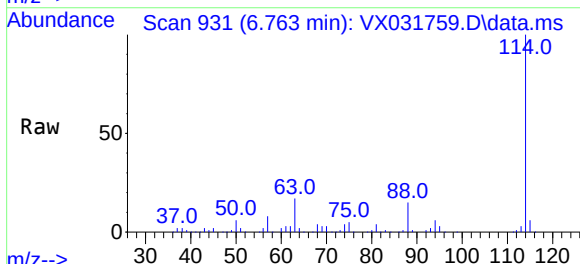
Tgt Ion: 114 Resp: 224910

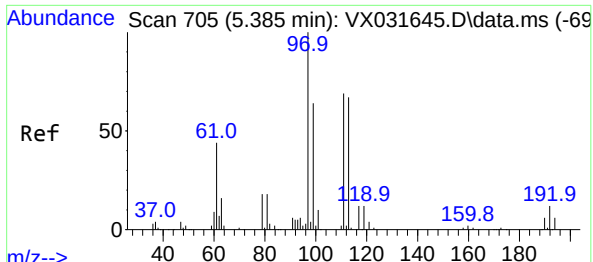
Ion Ratio Lower Upper

114 100

63 17.0 0.0 42.6

88 15.0 0.0 33.0





#35

Dibromofluoromethane

Concen: 44.002 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX031759.D

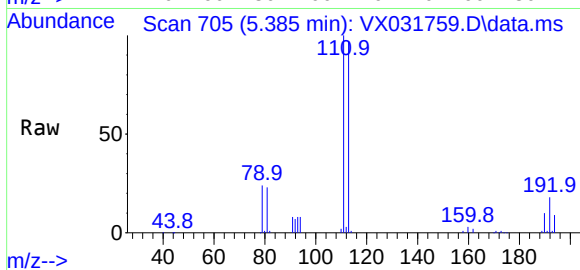
Acq: 29 Sep 2022 04:53

Instrument :

MSVOA_X

ClientSampleId :

WC-14B-SP-2-GR



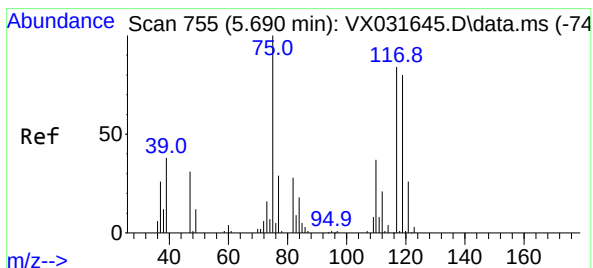
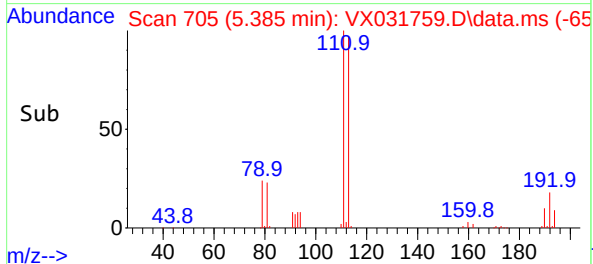
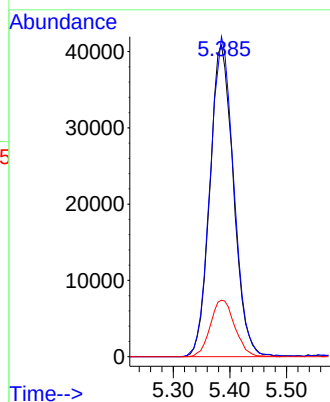
Tgt Ion:113 Resp: 117918

Ion Ratio Lower Upper

113 100

111 102.6 82.4 123.6

192 18.8 14.1 21.1



#36

1,1-Dichloropropene

Concen: 3.297 ug/l

RT: 5.543 min Scan# 731

Delta R.T. -0.147 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

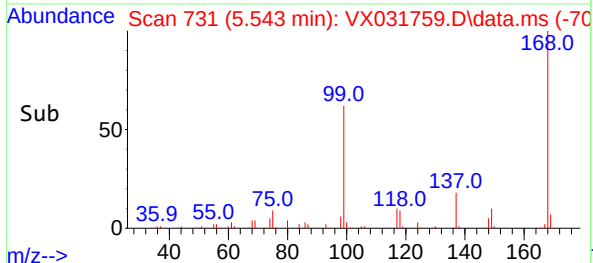
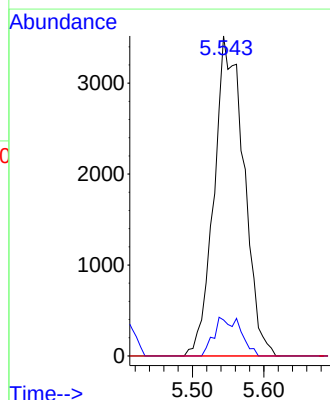
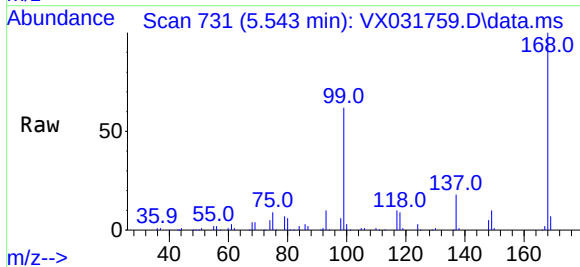
Tgt Ion: 75 Resp: 10146

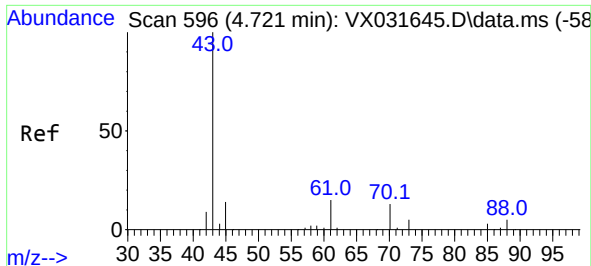
Ion Ratio Lower Upper

75 100

110 10.8 17.5 52.5#

77 0.0 24.9 37.3#





#37

Ethyl Acetate

Concen: 4.243 ug/l

RT: 4.720 min Scan# 596

Delta R.T. -0.001 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

Instrument :

MSVOA_X

ClientSampleId :

WC-14B-SP-2-GR

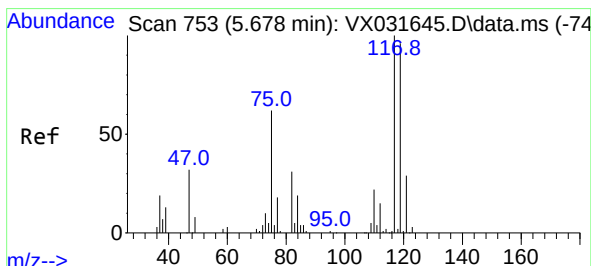
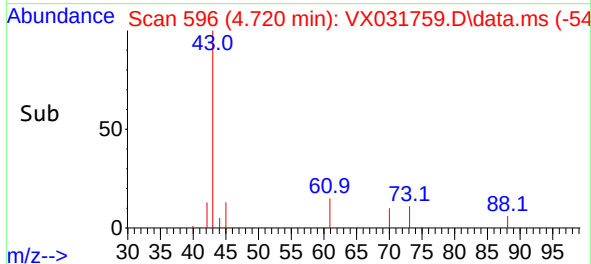
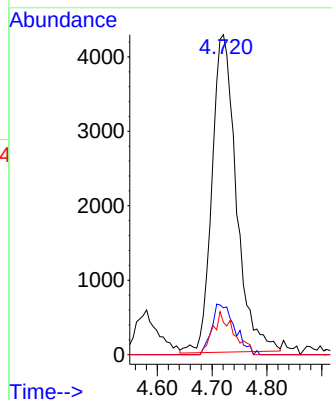
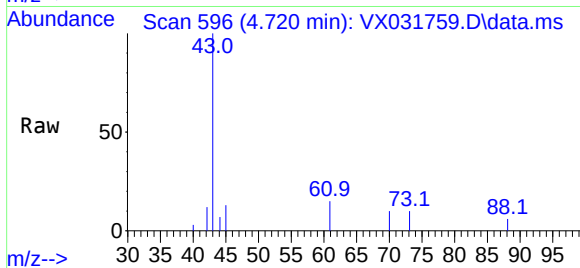
Tgt Ion: 43 Resp: 13170

Ion Ratio Lower Upper

43 100

61 15.1 11.1 16.7

70 11.6 8.6 13.0



#38

Carbon Tetrachloride

Concen: 3.966 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.128 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

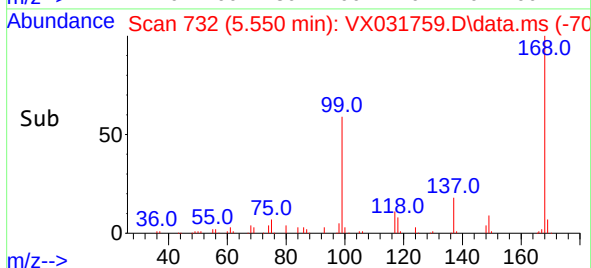
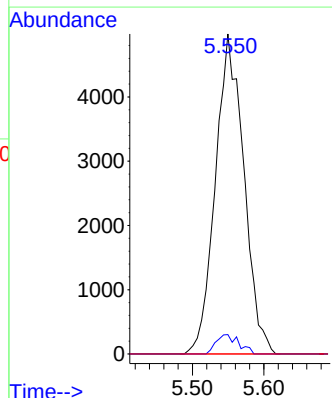
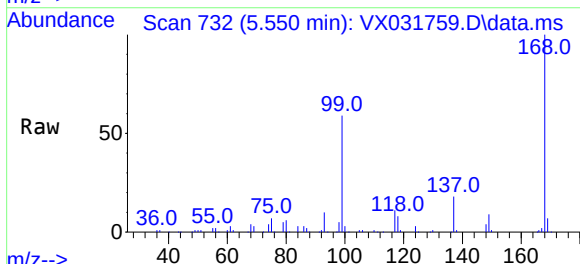
Tgt Ion: 117 Resp: 13757

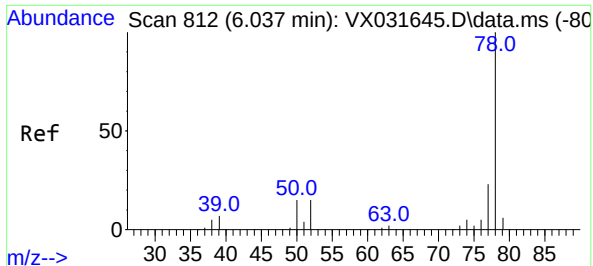
Ion Ratio Lower Upper

117 100

119 6.1 74.6 112.0#

121 0.0 25.3 37.9#

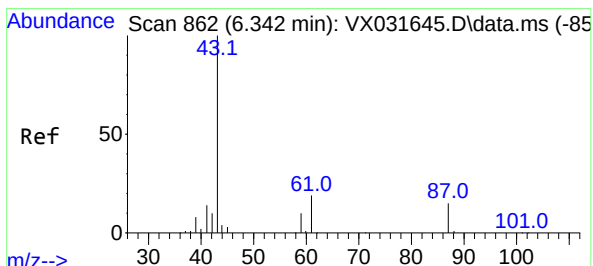
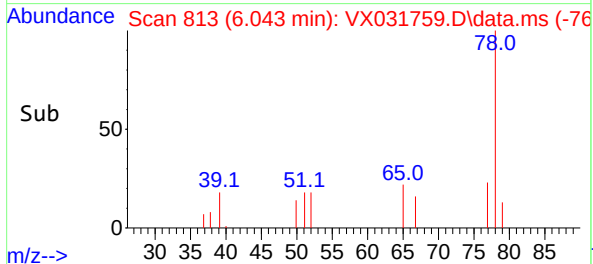
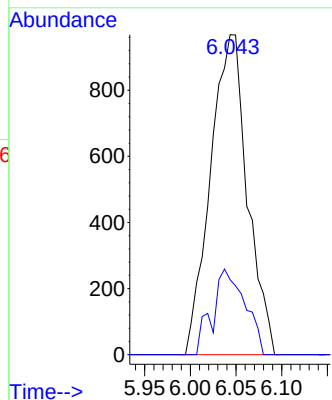
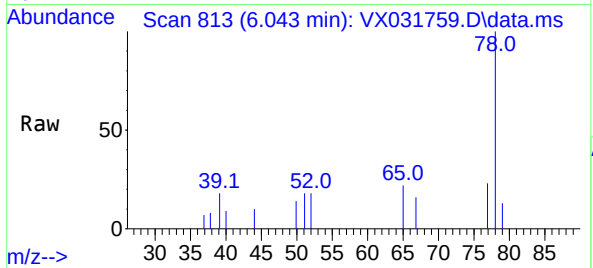




#40
Benzene
Concen: 0.288 ug/l
RT: 6.043 min Scan# 812
Delta R.T. -0.001 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

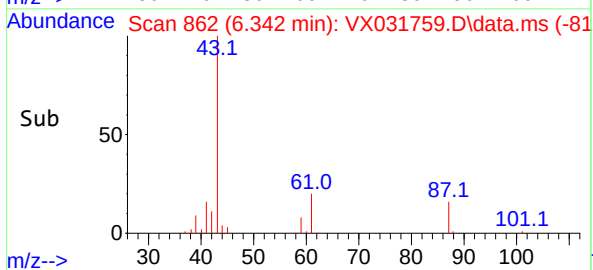
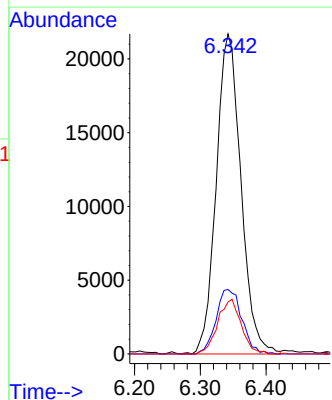
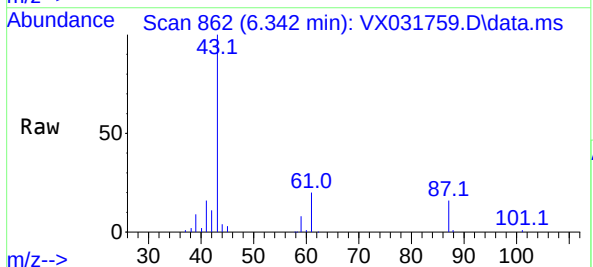
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

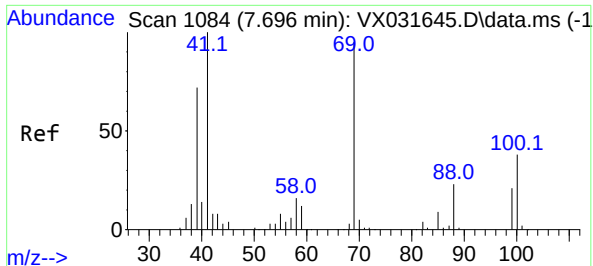
Tgt Ion: 78 Resp: 2723
Ion Ratio Lower Upper
78 100
77 23.5 18.7 28.1



#43
Isopropyl Acetate
Concen: 11.612 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 43 Resp: 56733
Ion Ratio Lower Upper
43 100
61 21.0 15.3 22.9
87 16.2 10.6 15.8

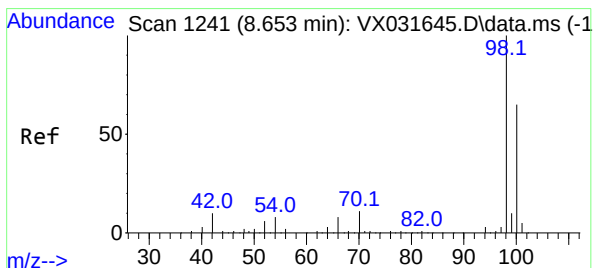
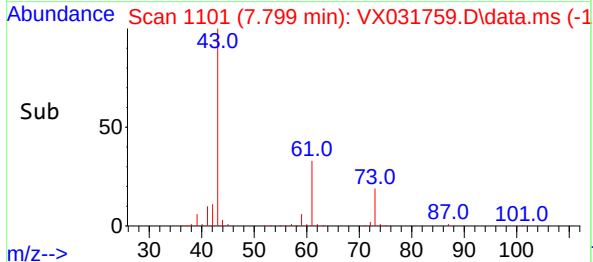
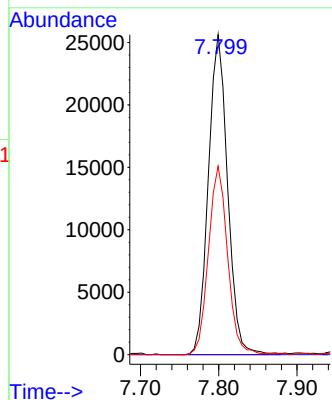
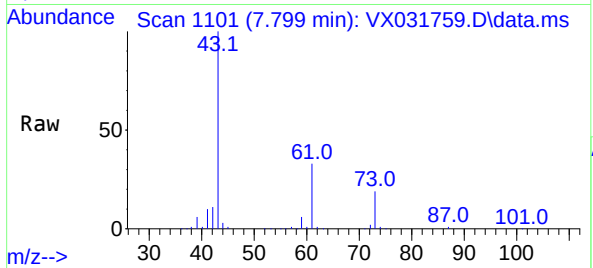




#48
Methyl methacrylate
Concen: 20.333 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

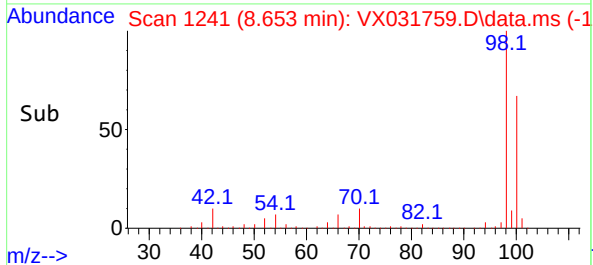
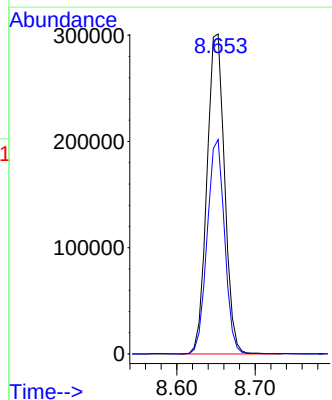
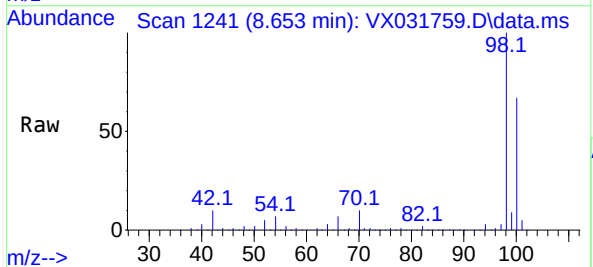
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

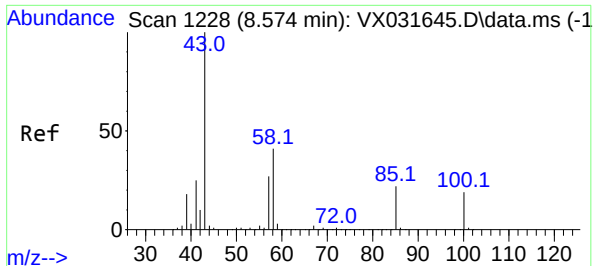
Tgt Ion: 41 Resp: 43689
Ion Ratio Lower Upper
41 100
69 0.0 64.6 96.8#
39 58.6 51.4 77.0



#50
Toluene-d8
Concen: 48.509 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. -0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 98 Resp: 471292
Ion Ratio Lower Upper
98 100
100 66.1 52.5 78.7





#51

4-Methyl-2-Pentanone

Concen: 13.711 ug/l

RT: 8.549 min Scan# 11

Delta R.T. -0.031 min

Lab File: VX031759.D

Acq: 29 Sep 2022 04:53

Instrument :

MSVOA_X

ClientSampleId :

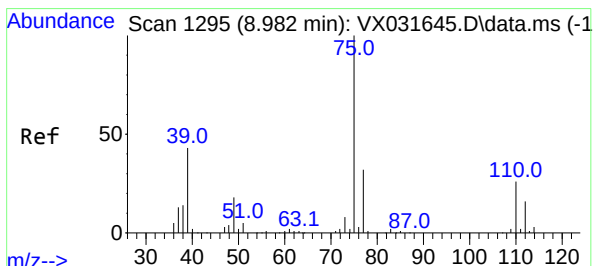
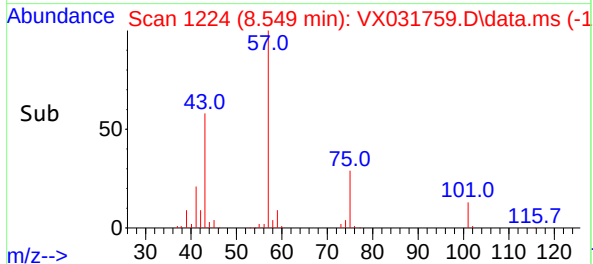
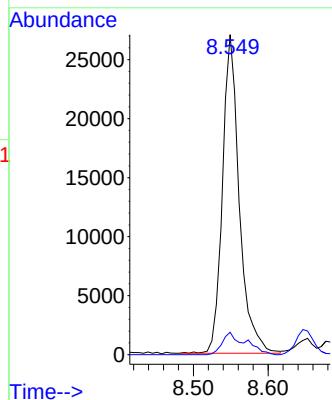
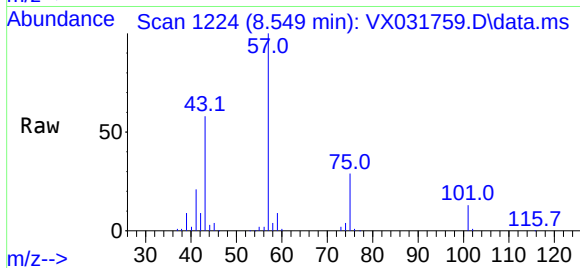
WC-14B-SP-2-GR

Tgt Ion: 43 Resp: 42403

Ion Ratio Lower Upper

43 100

58 9.7 30.6 46.0#



#53

t-1,3-Dichloropropene

Concen: 1.944 ug/l

RT: 8.957 min Scan# 1291

Delta R.T. -0.025 min

Lab File: VX031759.D

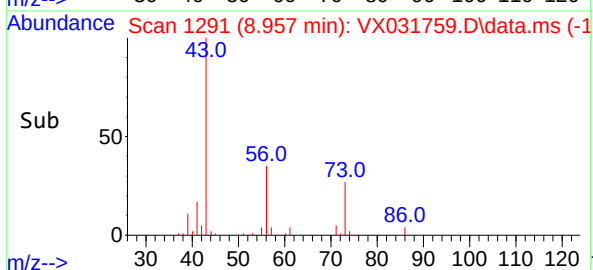
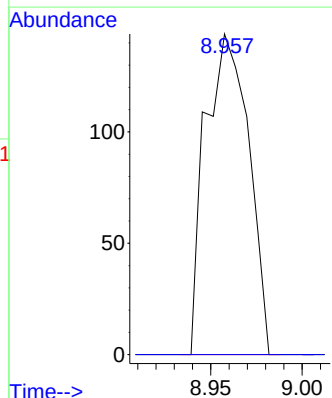
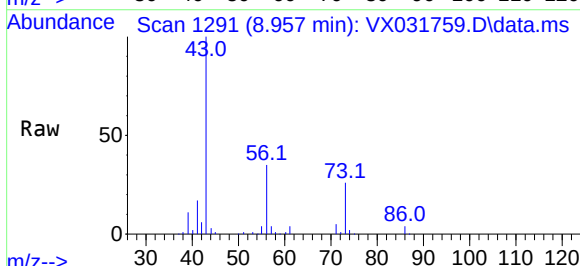
Acq: 29 Sep 2022 04:53

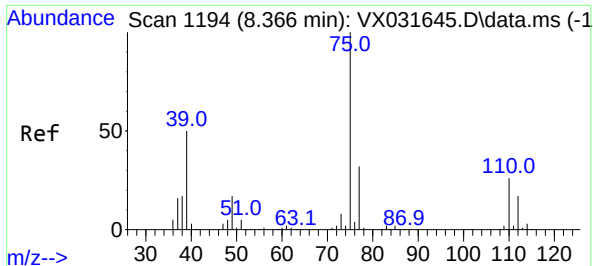
Tgt Ion: 75 Resp: 238

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#

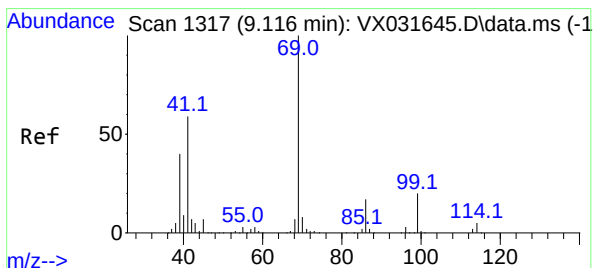
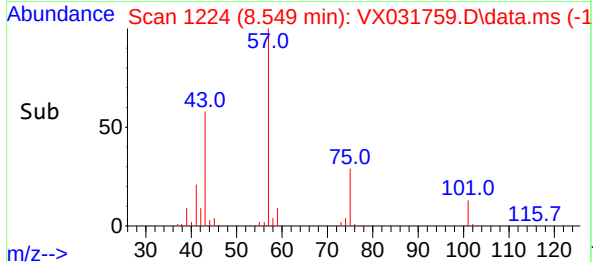
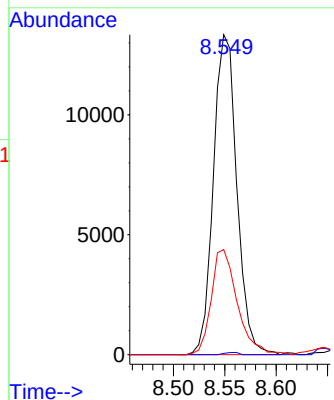
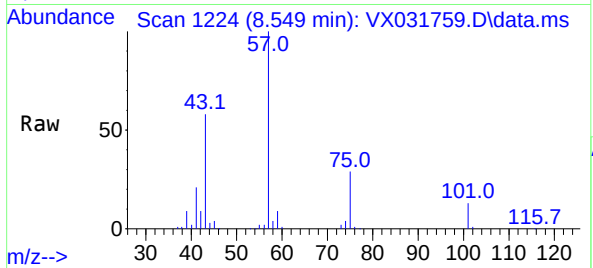




#54
cis-1,3-Dichloropropene
Concen: 6.127 ug/l
RT: 8.549 min Scan# 1194
Delta R.T. 0.183 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

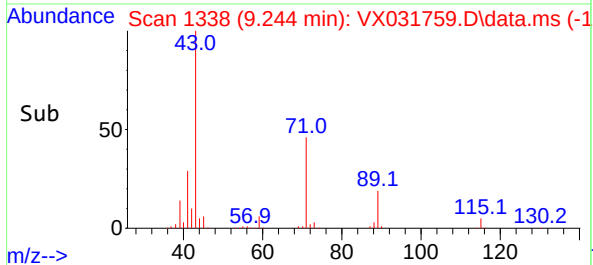
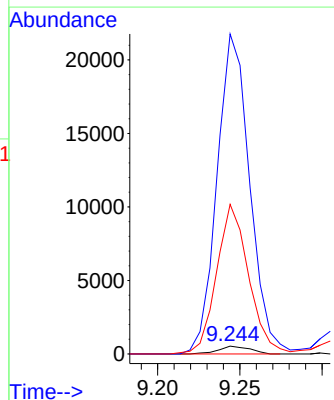
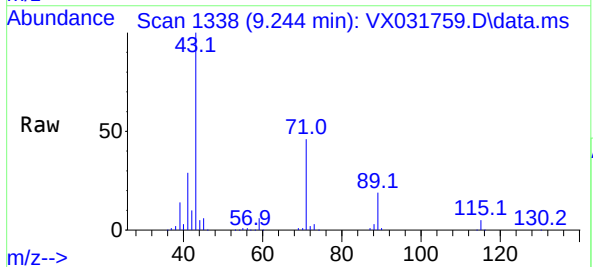
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

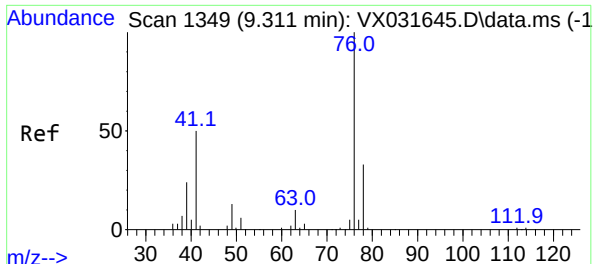
Tgt Ion: 75 Resp: 21169
Ion Ratio Lower Upper
75 100
77 0.4 24.4 36.6#
39 32.8 43.7 65.5#



#56
Ethyl methacrylate
Concen: 0.202 ug/l
RT: 9.244 min Scan# 1338
Delta R.T. 0.128 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 69 Resp: 701
Ion Ratio Lower Upper
69 100
41 4299.0 54.2 81.4#
39 1968.3 34.2 51.2#

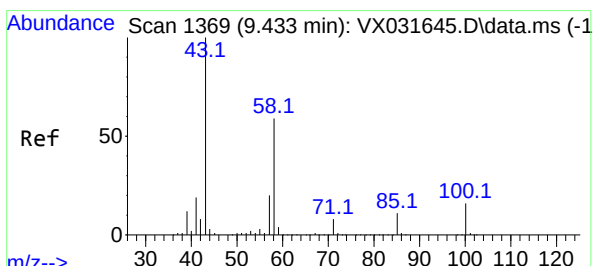
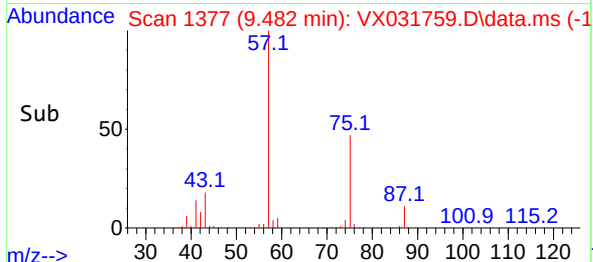
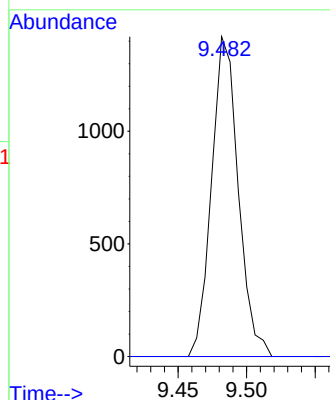
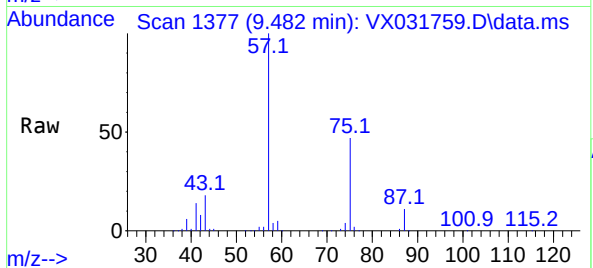




#57
1,3-Dichloropropane
Concen: 0.449 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

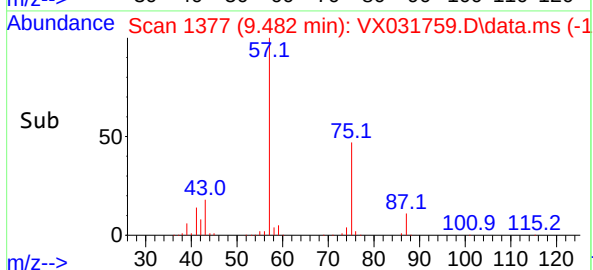
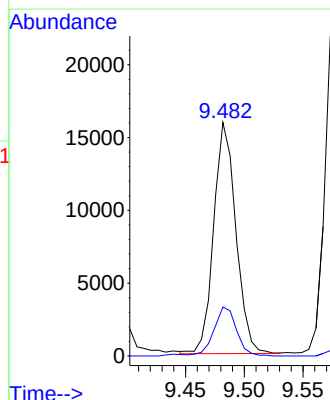
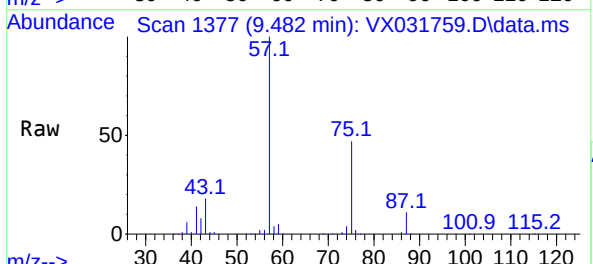
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

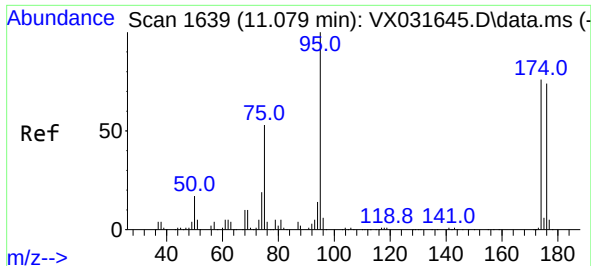
Tgt Ion: 76 Resp: 1927
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 9.047 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 43 Resp: 20876
Ion Ratio Lower Upper
43 100
58 21.5 26.7 80.0#

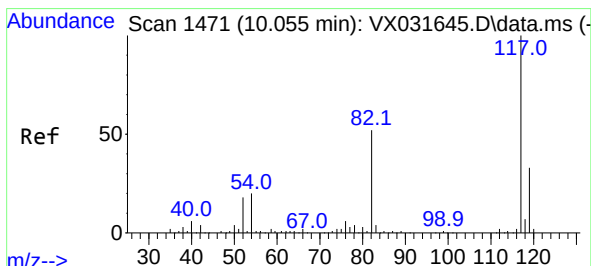
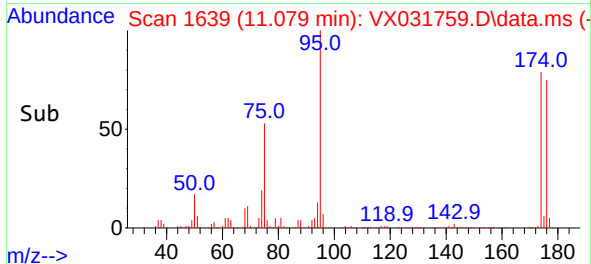
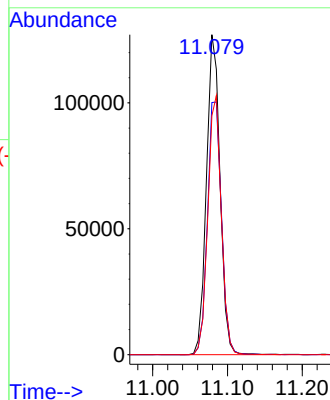
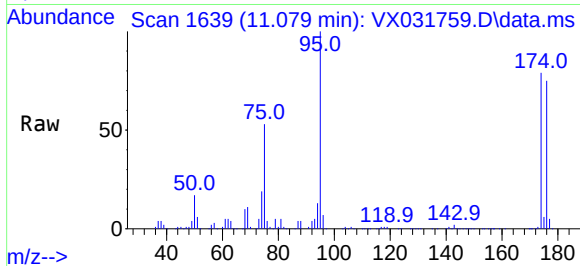




#62
4-Bromofluorobenzene
Concen: 44.973 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

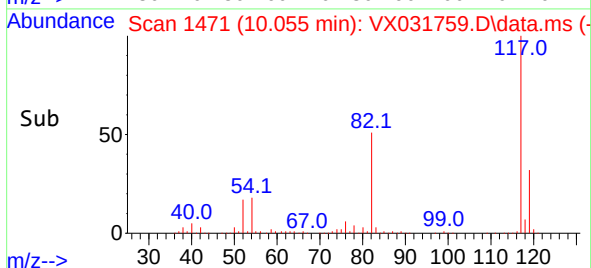
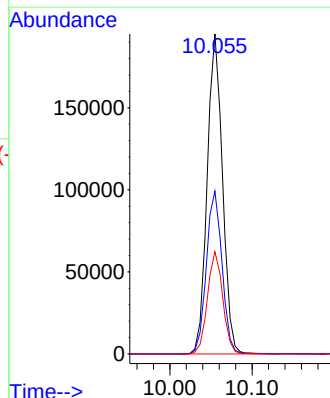
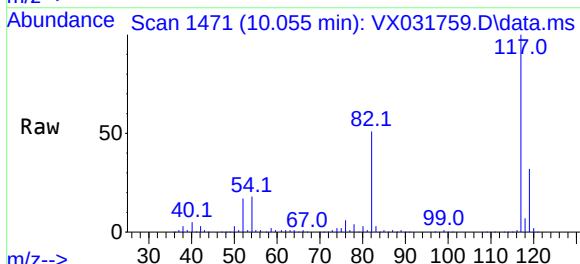
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

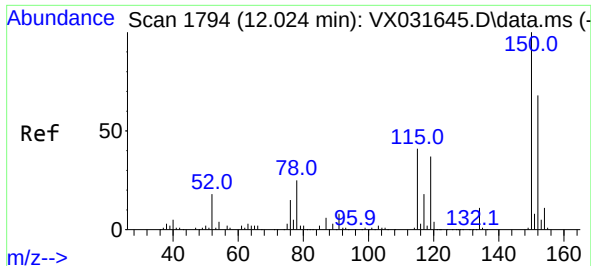
Tgt Ion: 95 Resp: 160144
Ion Ratio Lower Upper
95 100
174 81.9 0.0 153.2
176 80.3 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

Tgt Ion: 117 Resp: 252338
Ion Ratio Lower Upper
117 100
82 50.9 46.8 70.2
119 31.9 26.4 39.6

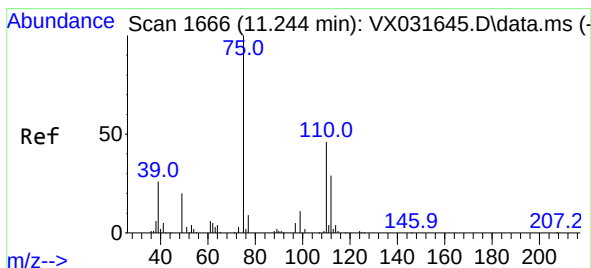
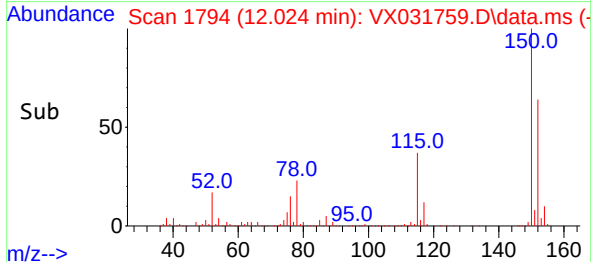
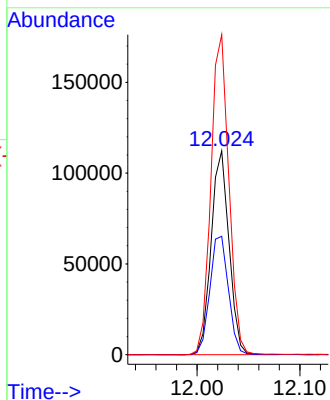
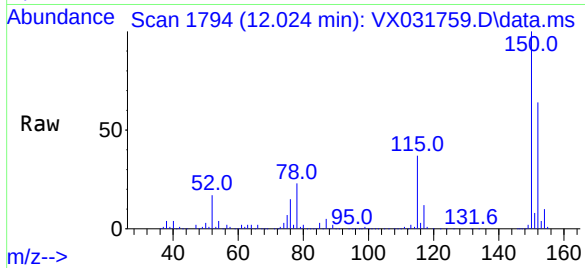




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

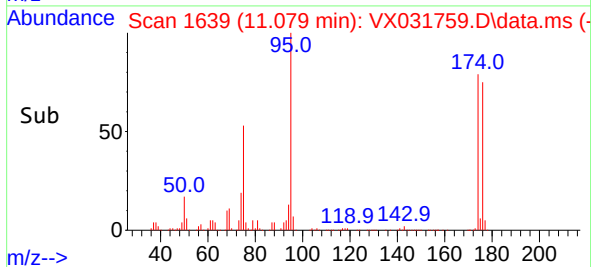
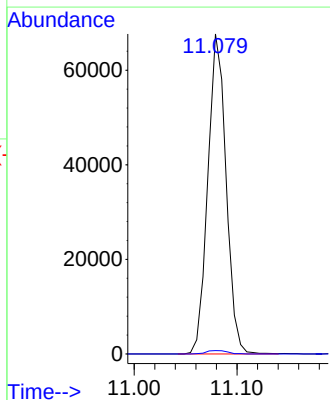
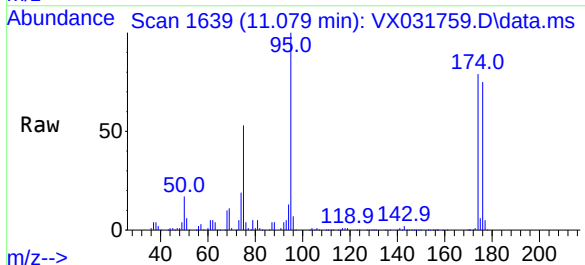
Instrument :
MSVOA_X
ClientSampleId :
WC-14B-SP-2-GR

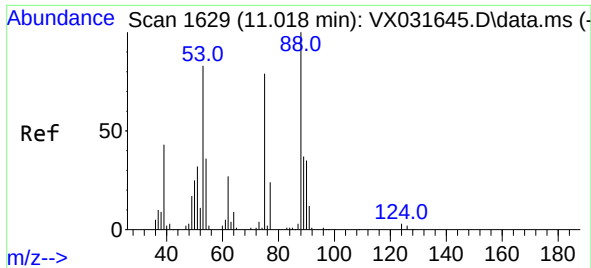
Tgt Ion:152 Resp: 135974
Ion Ratio Lower Upper
152 100
115 60.6 43.4 130.1
150 157.5 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 33.870 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031759.D
Acq: 29 Sep 2022 04:53

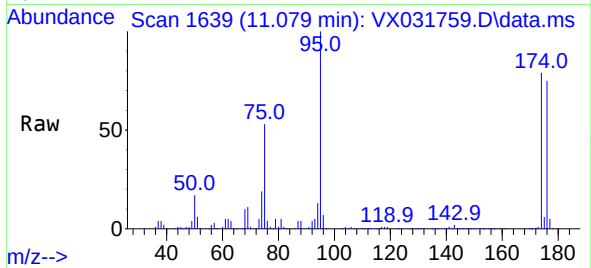
Tgt Ion: 75 Resp: 83492
Ion Ratio Lower Upper
75 100
77 1.2 20.3 60.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.246 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX031759.D
 Acq: 29 Sep 2022 04:53

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14B-SP-2-GR



Tgt Ion: 75 Resp: 83492
 Ion Ratio Lower Upper
 75 100
 53 0.0 77.6 116.4#
 89 0.0 37.4 56.0#

