

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX092822\
 Data File : VX031757.D
 Acq On : 29 Sep 2022 04:06
 Operator : JC/MD
 Sample : N4812-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 46 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-3

Quant Time: Sep 29 06:25:37 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)

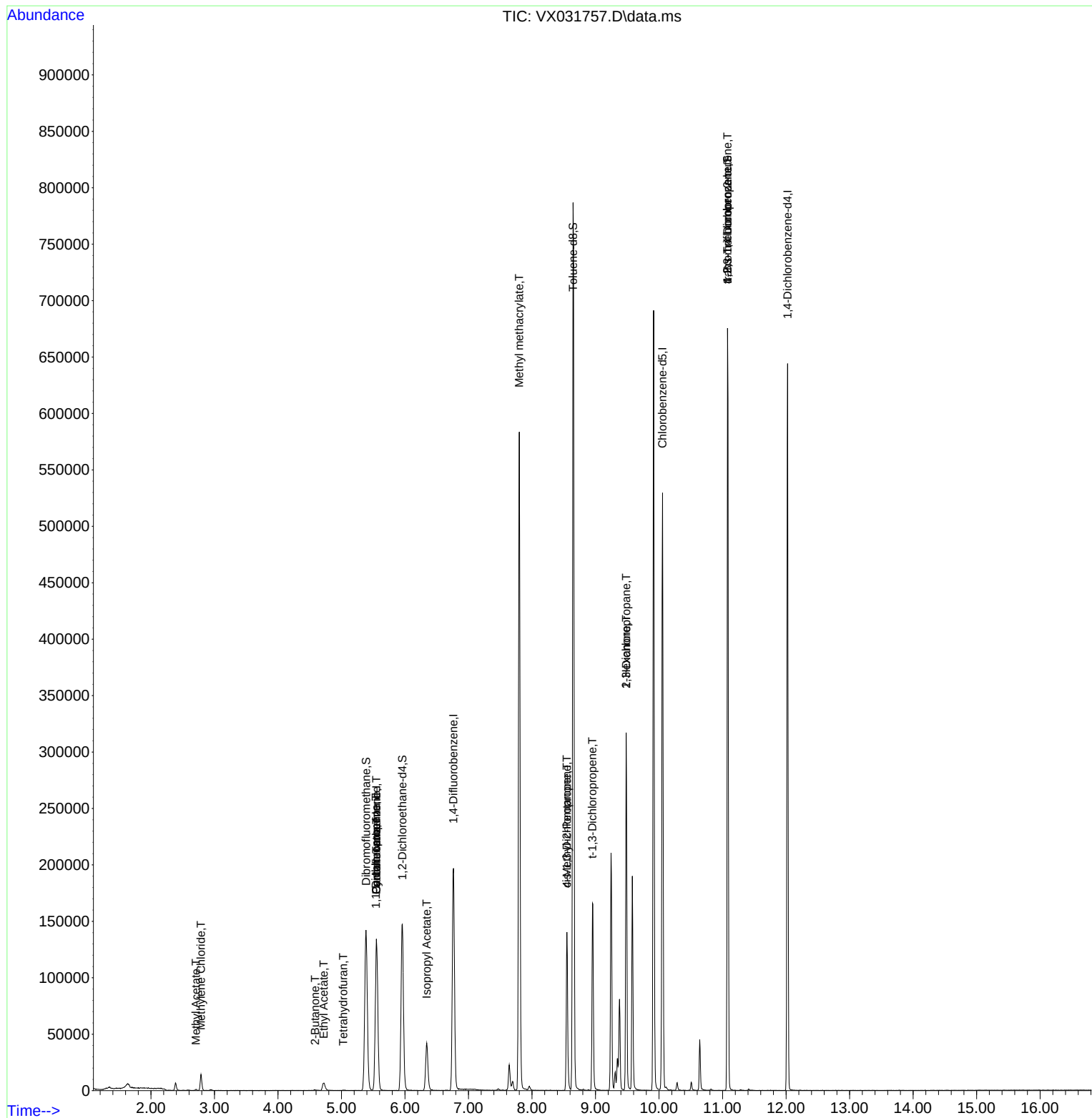
Internal Standards						
1) Pentafluorobenzene	5.550	168	123506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	207550	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	239890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	131435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	143120	54.599	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.200%			
35) Dibromofluoromethane	5.385	113	119842	48.460	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.920%			
50) Toluene-d8	8.647	98	478693	53.392	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.780%			
62) 4-Bromofluorobenzene	11.079	95	169113	51.464	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 102.920%			
Target Compounds					Qvalue	
3) Chloromethane	1.288	50	80	Below Cal	#	41
5) Bromomethane	1.618	94	332	Below Cal		100
6) Chloroethane	1.715	64	127	Below Cal	#	43
8) Diethyl Ether	2.008	74	22	Below Cal	#	1
11) Tert butyl alcohol	2.941	59	425	Below Cal	#	73
16) Acetone	2.386	43	7527	Below Cal		90
17) Carbon Disulfide	2.514	76	180	Below Cal	#	75
18) Methyl Acetate	2.709	43	1233	0.523	ug/l	100
20) Methylene Chloride	2.788	84	6379	2.231	ug/l #	84
25) 2-Butanone	4.587	43	836	0.668	ug/l #	70
29) Tetrahydrofuran	5.026	42	164	0.209	ug/l #	32
31) Cyclohexane	5.550	56	2909	1.167	ug/l #	24
36) 1,1-Dichloropropene	5.544	75	9561	3.366	ug/l #	52
37) Ethyl Acetate	4.721	43	11404	3.981	ug/l #	93
38) Carbon Tetrachloride	5.550	117	13100	4.093	ug/l #	17
43) Isopropyl Acetate	6.342	43	54123	12.004	ug/l #	94
48) Methyl methacrylate	7.799	41	48906	24.664	ug/l #	47
49) 1,4-Dioxane	7.806	88	61	Below Cal	#	1
51) 4-Methyl-2-Pentanone	8.549	43	45855	16.068	ug/l #	50
53) t-1,3-Dichloropropene	8.952	75	453	2.008	ug/l #	44
54) cis-1,3-Dichloropropene	8.549	75	23215	7.281	ug/l #	58
57) 1,3-Dichloropropane	9.482	76	2775	0.700	ug/l #	43
59) 2-Hexanone	9.482	43	32901	15.452	ug/l #	56
76) 1,2,3-Trichloropropane	11.079	75	87753	36.828	ug/l #	37
81) trans-1,4-Dichloro-2-b...	11.079	75	87753	120.694	ug/l #	11

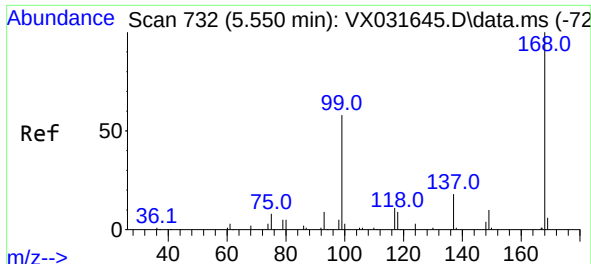
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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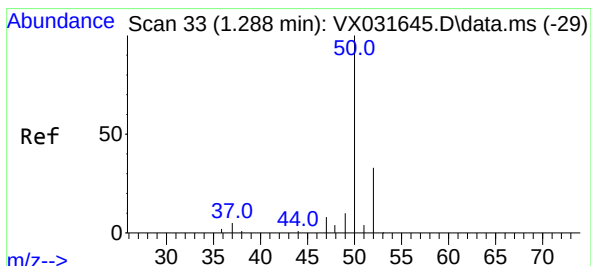
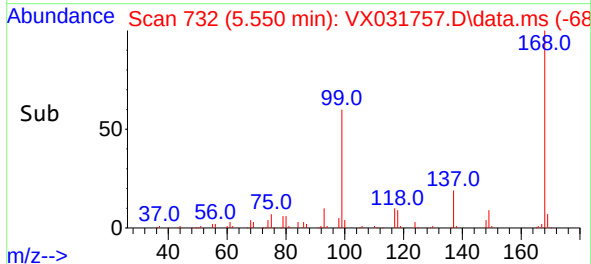
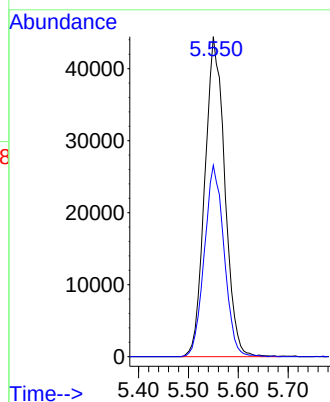
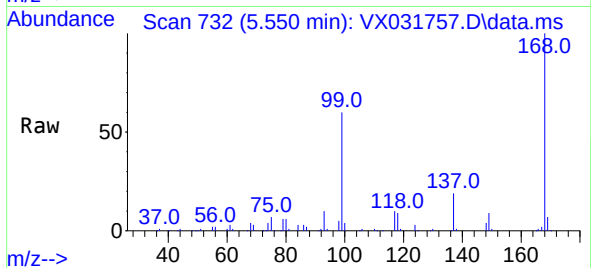




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.006 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

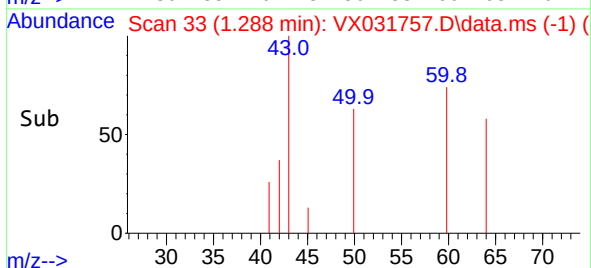
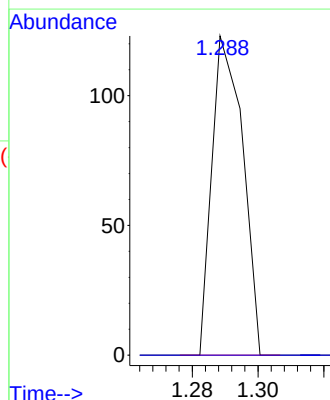
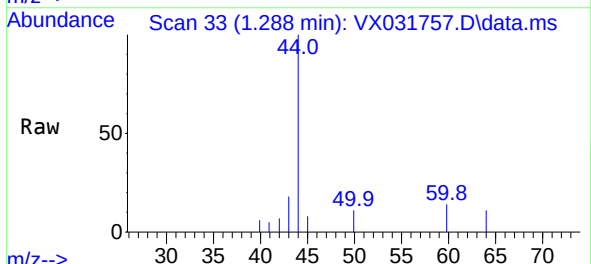
Instrument :
MSVOA_X
ClientSampleId :
WC-3

Tgt Ion:168 Resp: 123506
Ion Ratio Lower Upper
168 100
99 59.8 48.8 73.2

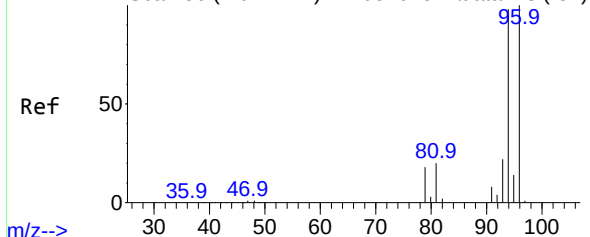


#3
Chloromethane
Concen: Below Cal
RT: 1.288 min Scan# 33
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 50 Resp: 80
Ion Ratio Lower Upper
50 100
52 0.0 26.9 40.3#



Abundance Scan 86 (1.611 min): VX031645.D\data.ms (-81)



#5

Bromomethane

Concen: Below Cal

RT: 1.618 min Scan# 81

Delta R.T. 0.007 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

Instrument :

MSVOA_X

ClientSampleId :

WC-3

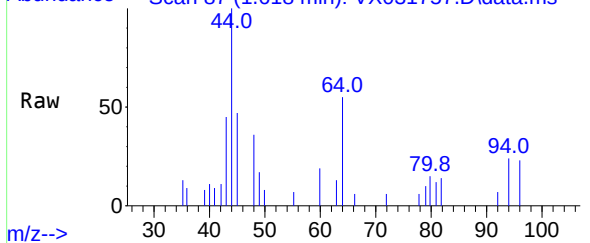
Tgt Ion: 94 Resp: 332

Ion Ratio Lower Upper

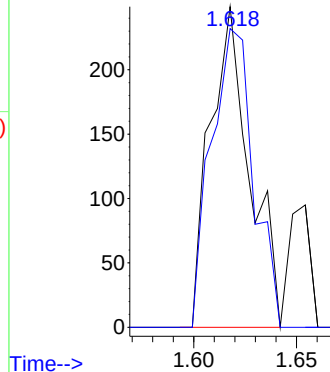
94 100

96 93.2 74.4 111.6

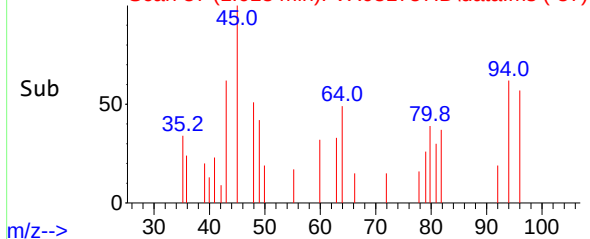
Abundance Scan 87 (1.618 min): VX031757.D\data.ms



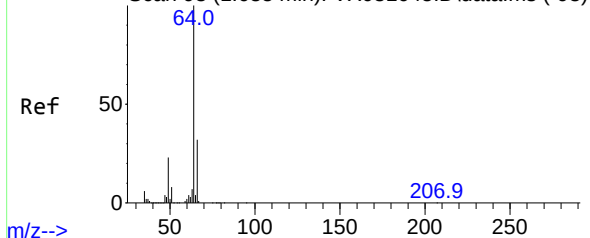
Abundance



Abundance Scan 87 (1.618 min): VX031757.D\data.ms (-37)



Abundance Scan 98 (1.685 min): VX031645.D\data.ms (-93)



#6

Chloroethane

Concen: Below Cal

RT: 1.715 min Scan# 103

Delta R.T. 0.030 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

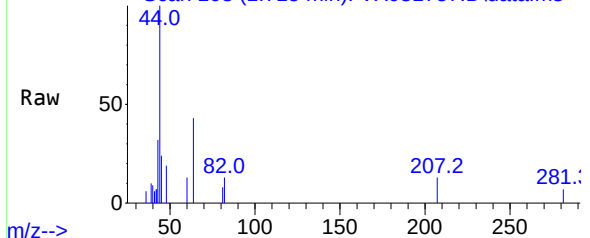
Tgt Ion: 64 Resp: 127

Ion Ratio Lower Upper

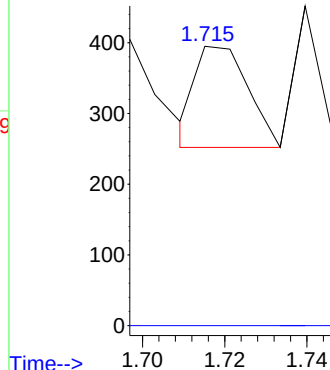
64 100

66 0.0 25.0 37.4#

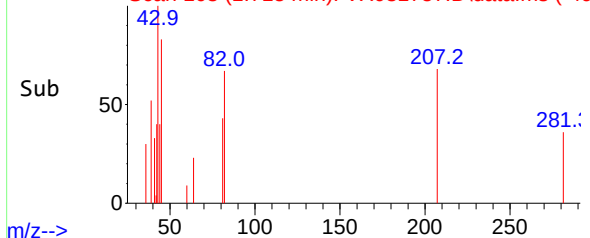
Abundance Scan 103 (1.715 min): VX031757.D\data.ms

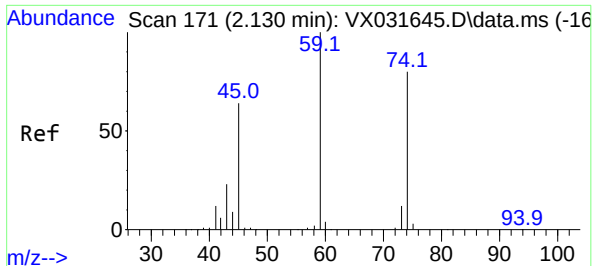


Abundance



Abundance Scan 103 (1.715 min): VX031757.D\data.ms (-49)

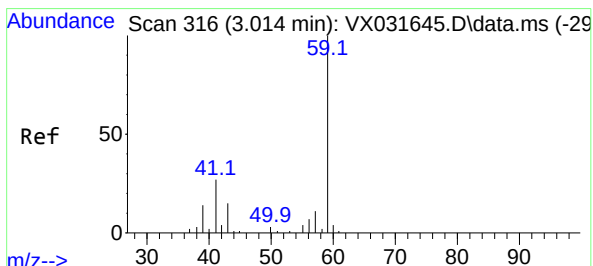
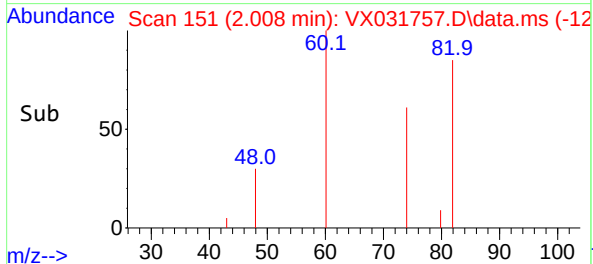
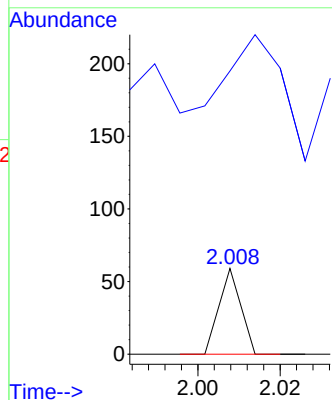
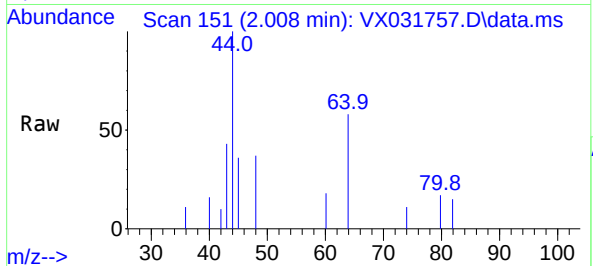




#8
Diethyl Ether
Concen: Below Cal
RT: 2.008 min Scan# 11
Delta R.T. -0.128 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

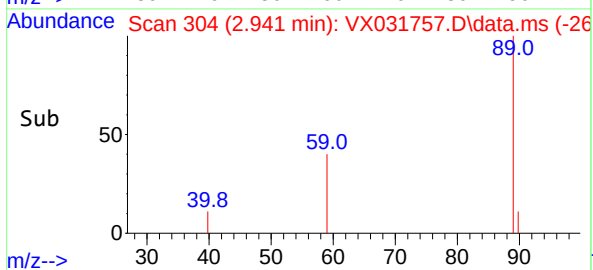
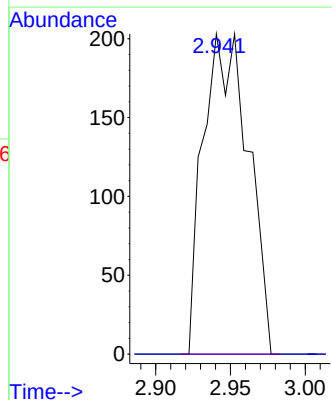
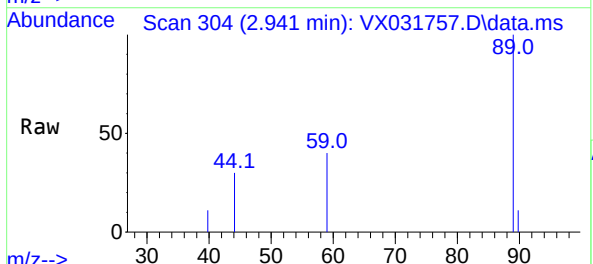
Instrument :
MSVOA_X
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WC-3

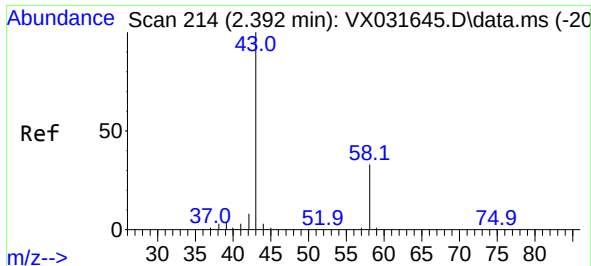
Tgt Ion: 74 Resp: 22
Ion Ratio Lower Upper
74 100
45 722.7 48.5 145.6#



#11
Tert butyl alcohol
Concen: Below Cal
RT: 2.941 min Scan# 304
Delta R.T. -0.048 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 59 Resp: 425
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

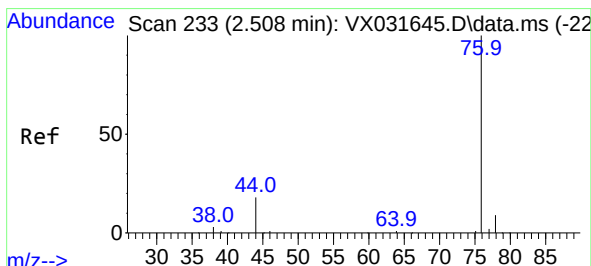
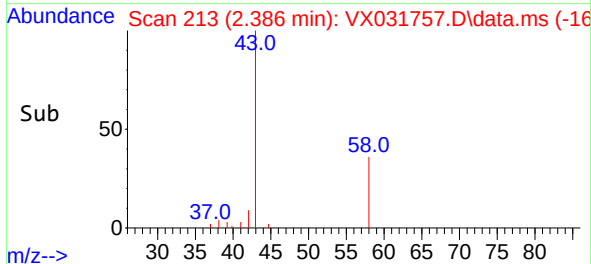
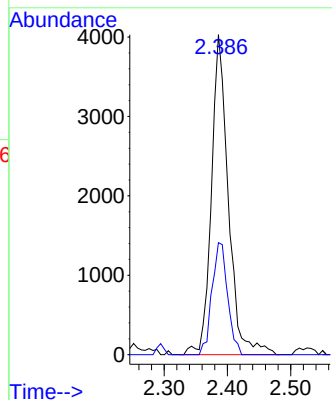
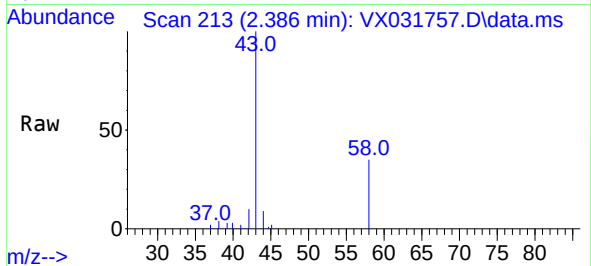




#16
Acetone
Concen: Below Cal
RT: 2.386 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

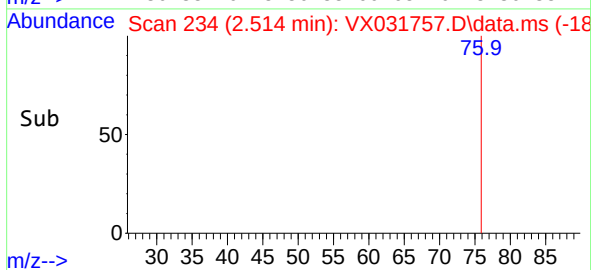
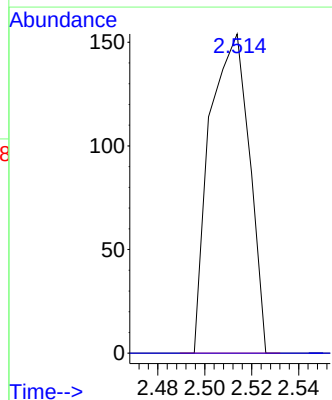
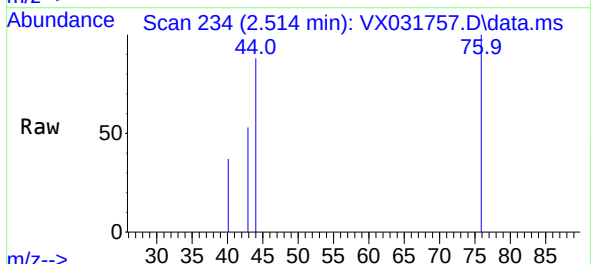
Instrument :
MSVOA_X
ClientSampleId :
WC-3

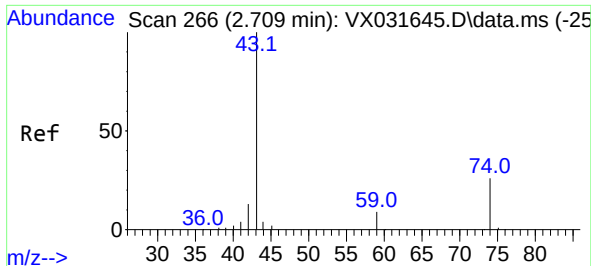
Tgt Ion: 43 Resp: 7527
Ion Ratio Lower Upper
43 100
58 35.0 23.8 35.8



#17
Carbon Disulfide
Concen: Below Cal
RT: 2.514 min Scan# 234
Delta R.T. -0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 76 Resp: 180
Ion Ratio Lower Upper
76 100
78 0.0 7.2 10.8#

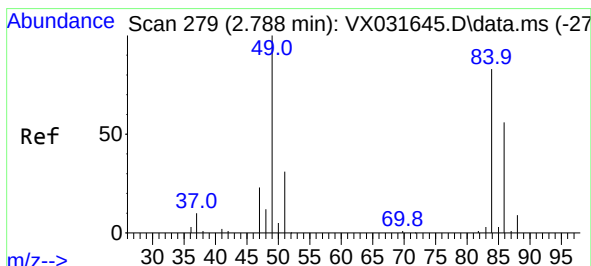
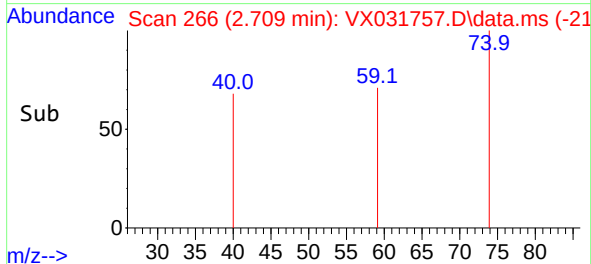
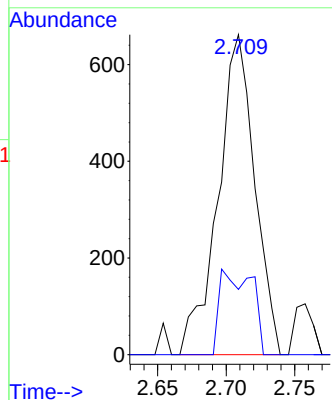
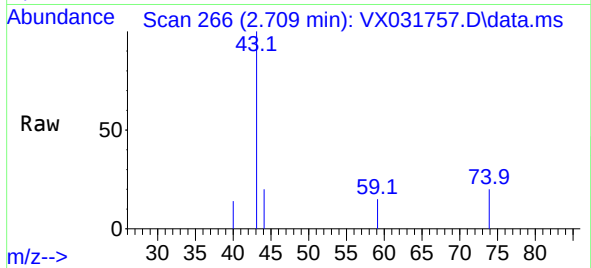




#18
Methyl Acetate
Concen: 0.523 ug/l
RT: 2.709 min Scan# 266
Delta R.T. -0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

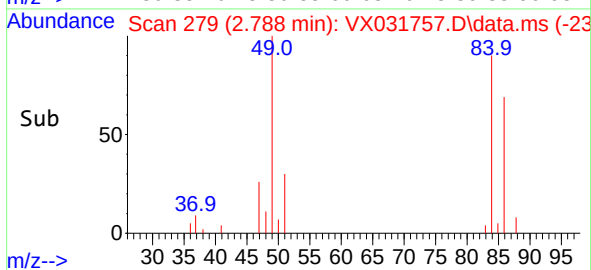
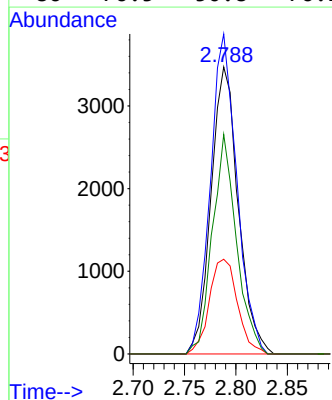
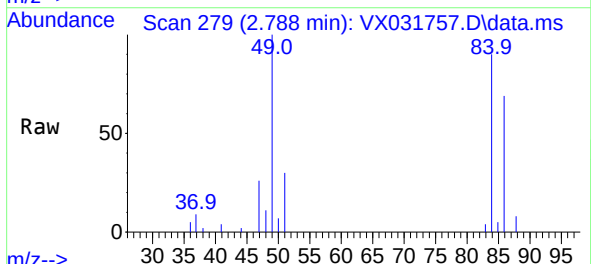
Instrument :
MSVOA_X
ClientSampleId :
WC-3

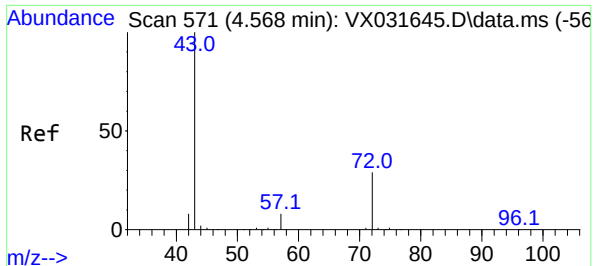
Tgt Ion: 43 Resp: 1233
Ion Ratio Lower Upper
43 100
74 23.3 18.6 27.8



#20
Methylene Chloride
Concen: 2.231 ug/l
RT: 2.788 min Scan# 279
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 84 Resp: 6379
Ion Ratio Lower Upper
84 100
49 111.5 105.9 158.9
51 33.0 32.2 48.2
86 76.5 50.8 76.2#

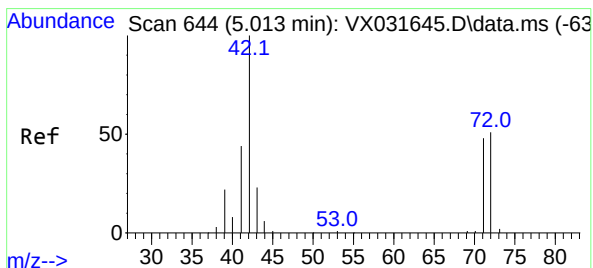
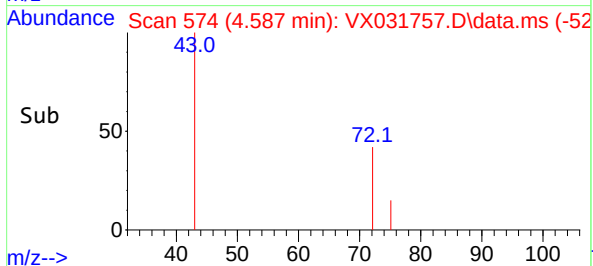
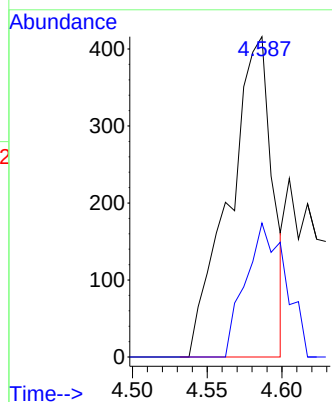
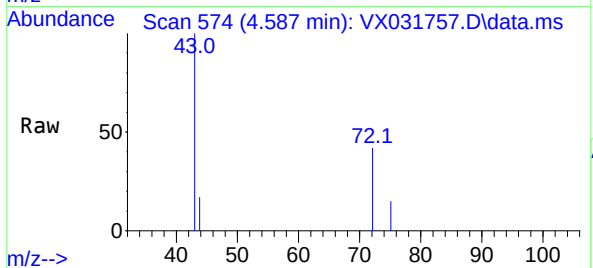




#25
2-Butanone
Concen: 0.668 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

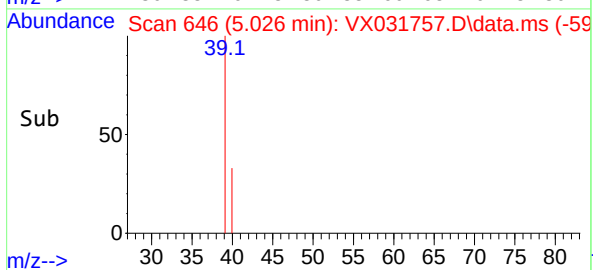
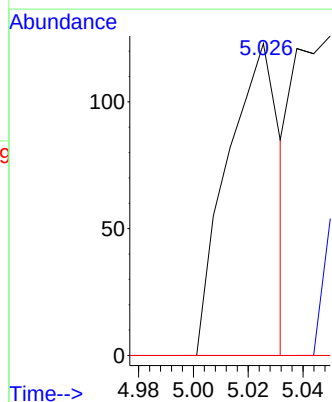
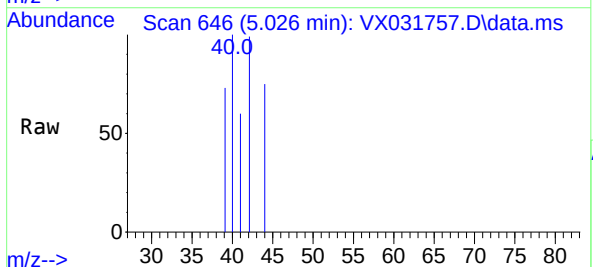
Instrument :
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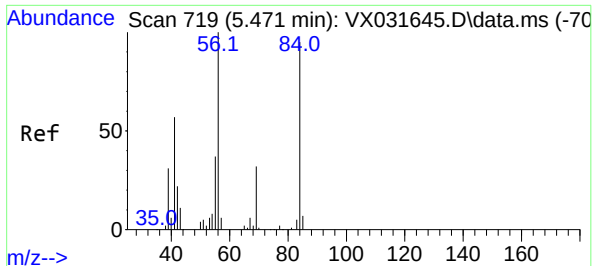
Tgt Ion: 43 Resp: 836
Ion Ratio Lower Upper
43 100
72 41.8 21.1 31.7#



#29
Tetrahydrofuran
Concen: 0.209 ug/l
RT: 5.026 min Scan# 646
Delta R.T. 0.013 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 42 Resp: 164
Ion Ratio Lower Upper
42 100
72 0.0 36.4 54.6#
71 0.0 33.5 50.3#

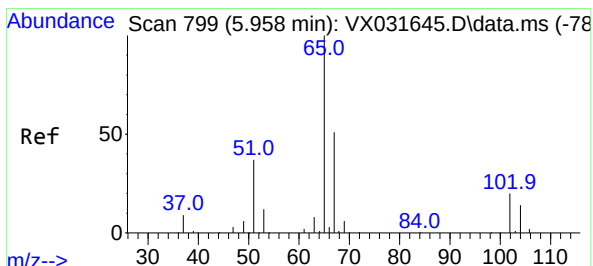
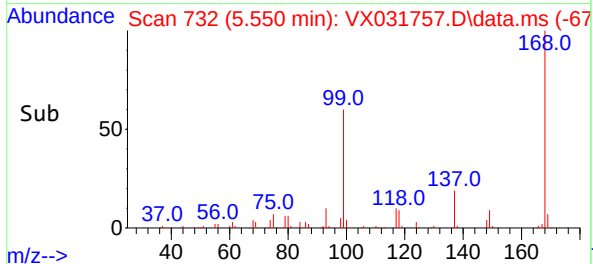
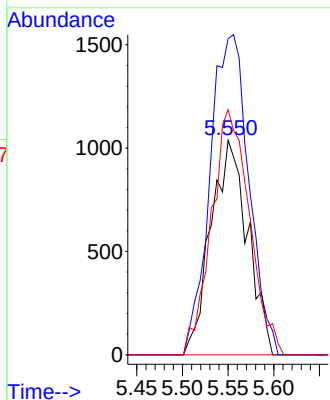
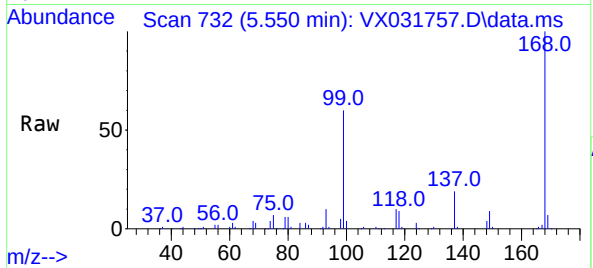




#31
Cyclohexane
Concen: 1.167 ug/l
RT: 5.550 min Scan# 719
Delta R.T. 0.079 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

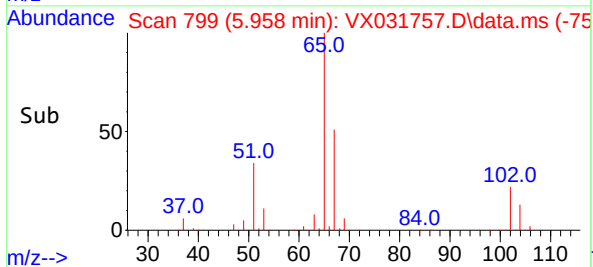
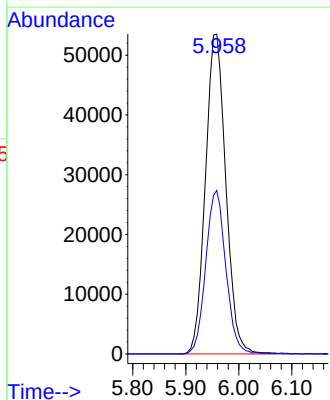
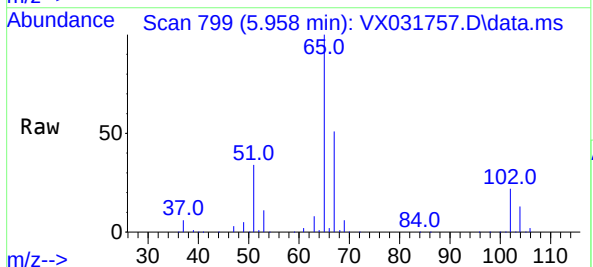
Instrument :
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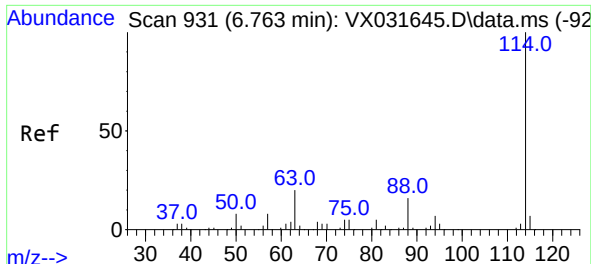
Tgt Ion: 56 Resp: 2909
Ion Ratio Lower Upper
56 100
69 147.4 25.1 37.7#
84 114.3 70.2 105.4#



#33
1,2-Dichloroethane-d4
Concen: 54.599 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 65 Resp: 143120
Ion Ratio Lower Upper
65 100
67 50.3 0.0 102.4

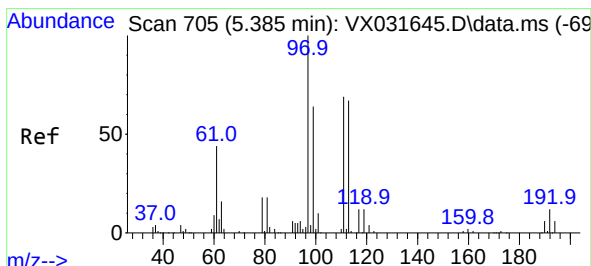
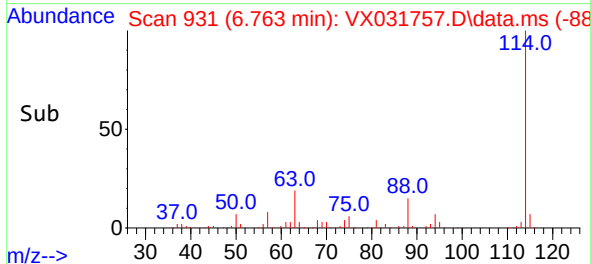
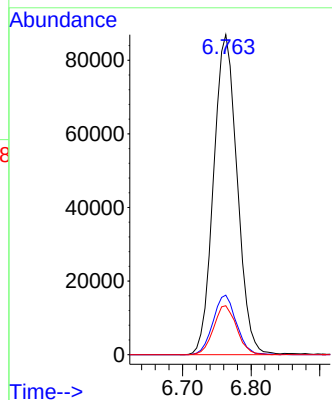
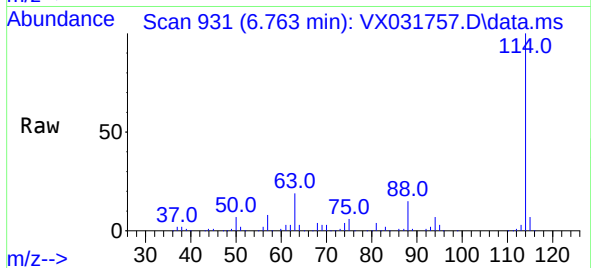




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

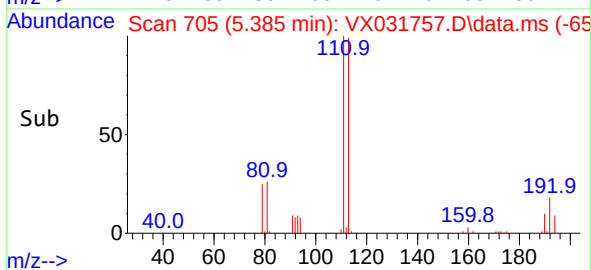
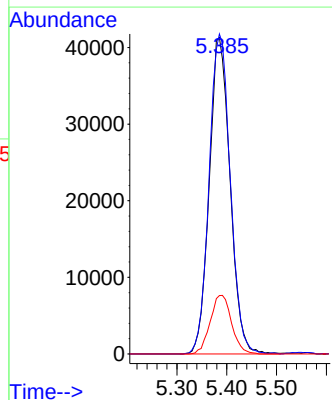
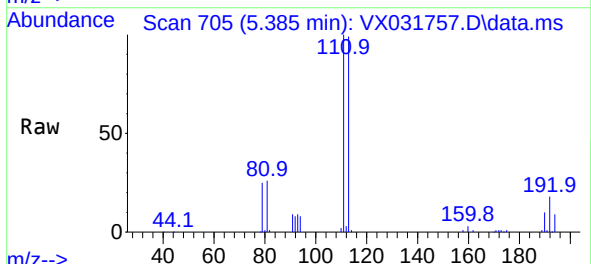
Instrument :
MSVOA_X
ClientSampleId :
WC-3

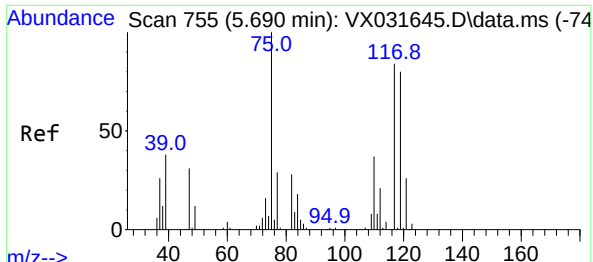
Tgt Ion:114 Resp: 207550
Ion Ratio Lower Upper
114 100
63 18.6 0.0 42.6
88 15.3 0.0 33.0



#35
Dibromofluoromethane
Concen: 48.460 ug/l
RT: 5.385 min Scan# 705
Delta R.T. -0.006 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion:113 Resp: 119842
Ion Ratio Lower Upper
113 100
111 102.6 82.4 123.6
192 19.0 14.1 21.1





#36

1,1-Dichloropropene

Concen: 3.366 ug/l

RT: 5.544 min Scan# 71

Delta R.T. -0.146 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

Instrument :

MSVOA_X

ClientSampleId :

WC-3

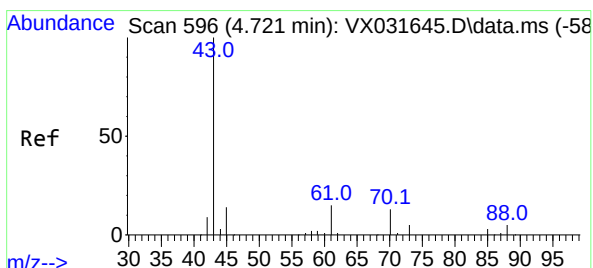
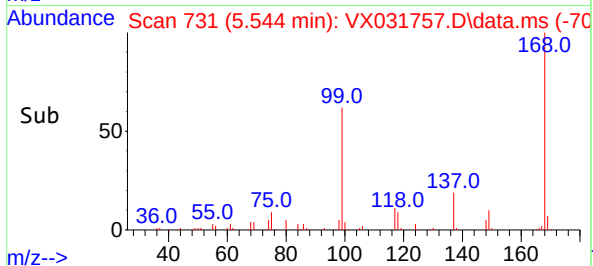
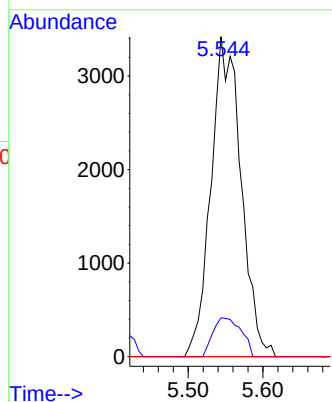
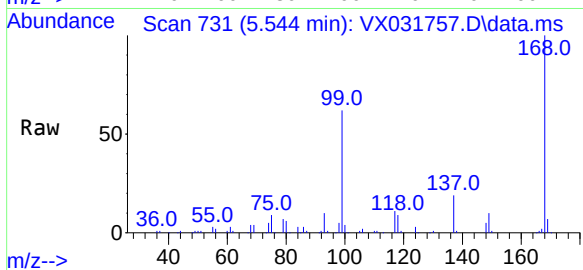
Tgt Ion: 75 Resp: 9561

Ion Ratio Lower Upper

75 100

110 11.4 17.5 52.5#

77 0.0 24.9 37.3#



#37

Ethyl Acetate

Concen: 3.981 ug/l

RT: 4.721 min Scan# 596

Delta R.T. -0.000 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

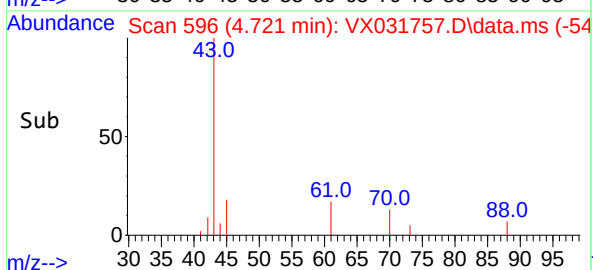
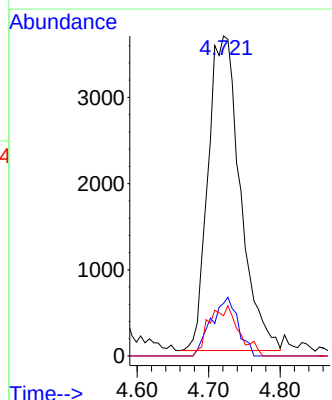
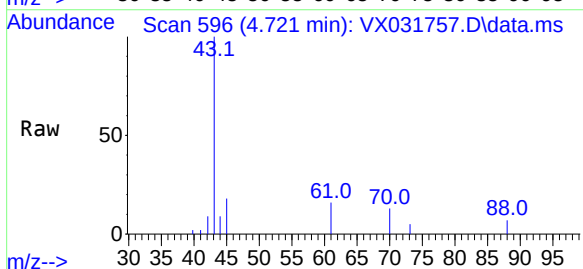
Tgt Ion: 43 Resp: 11404

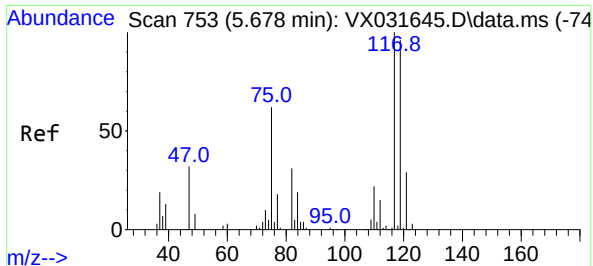
Ion Ratio Lower Upper

43 100

61 15.4 11.1 16.7

70 14.8 8.6 13.0#

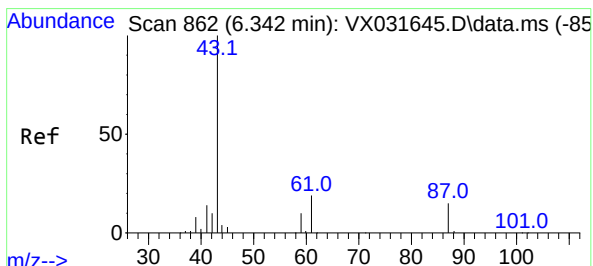
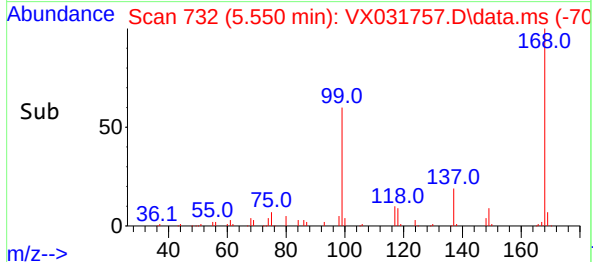
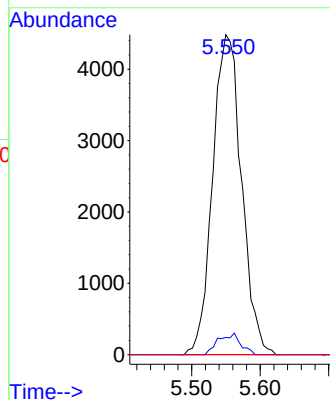
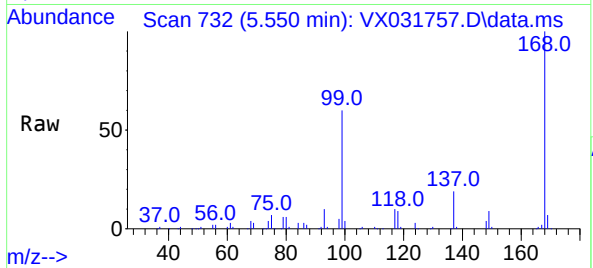




#38
Carbon Tetrachloride
Concen: 4.093 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.128 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

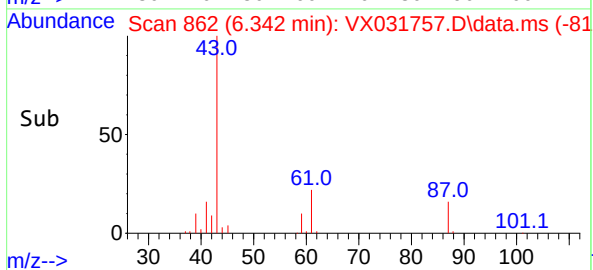
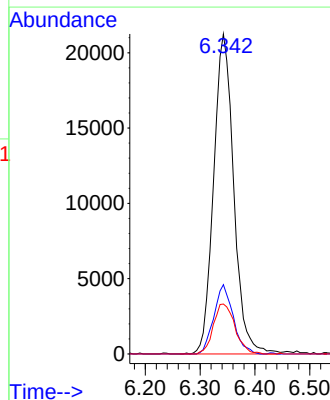
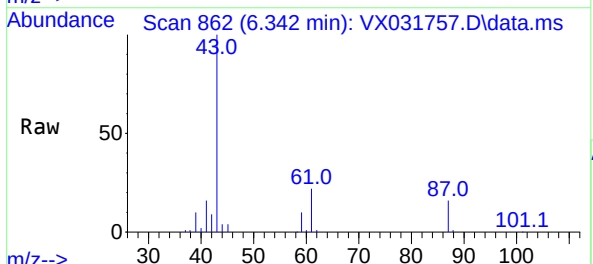
Instrument :
MSVOA_X
ClientSampleId :
WC-3

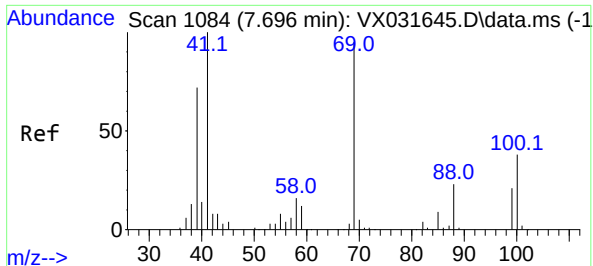
Tgt Ion:117 Resp: 13100
Ion Ratio Lower Upper
117 100
119 5.4 74.6 112.0#
121 0.0 25.3 37.9#



#43
Isopropyl Acetate
Concen: 12.004 ug/l
RT: 6.342 min Scan# 862
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 43 Resp: 54123
Ion Ratio Lower Upper
43 100
61 20.8 15.3 22.9
87 16.8 10.6 15.8#

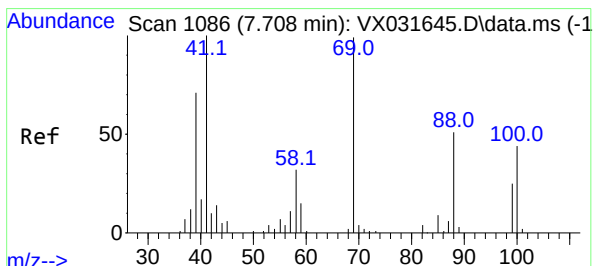
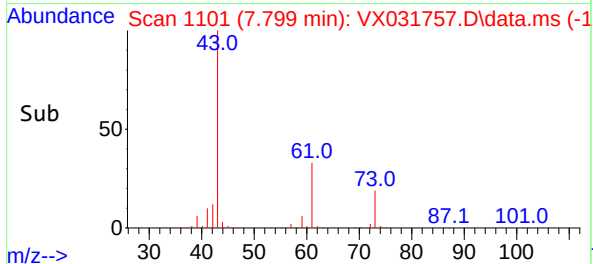
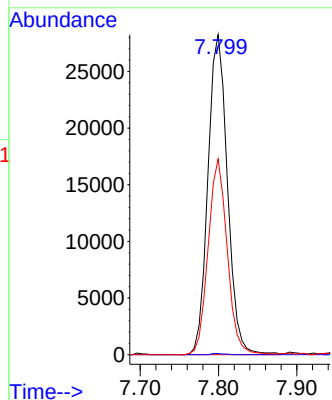
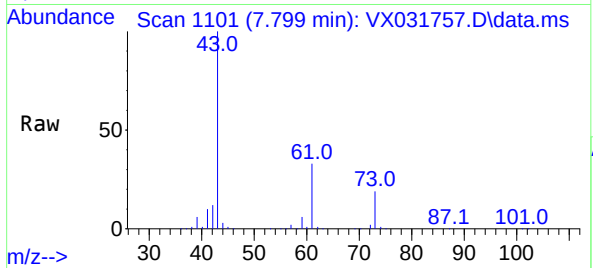




#48
Methyl methacrylate
Concen: 24.664 ug/l
RT: 7.799 min Scan# 1101
Delta R.T. 0.103 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

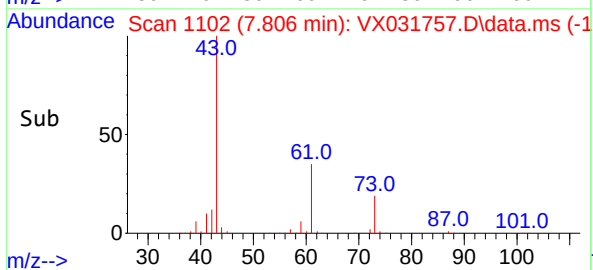
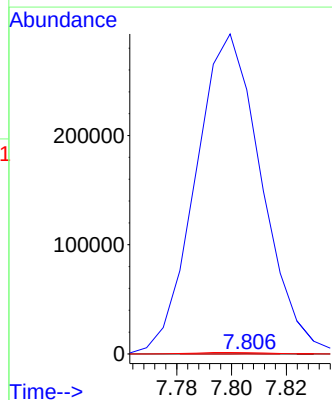
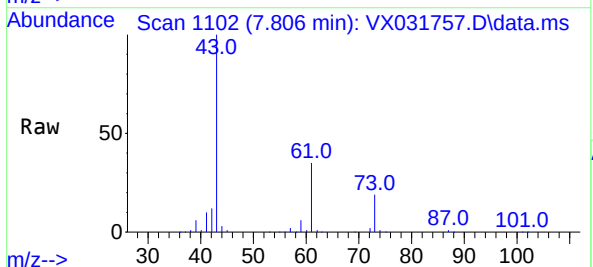
Instrument :
MSVOA_X
ClientSampleId :
WC-3

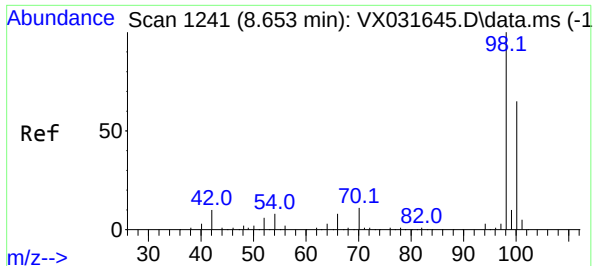
Tgt Ion: 41 Resp: 48906
Ion Ratio Lower Upper
41 100
69 0.2 64.6 96.8#
39 59.8 51.4 77.0



#49
1,4-Dioxane
Concen: Below Cal
RT: 7.806 min Scan# 1102
Delta R.T. 0.122 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 88 Resp: 61
Ion Ratio Lower Upper
88 100
43 814200.0 27.1 40.7#
58 4024.6 53.9 80.9#





#50

Toluene-d8

Concen: 53.392 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

Instrument :

MSVOA_X

ClientSampleId :

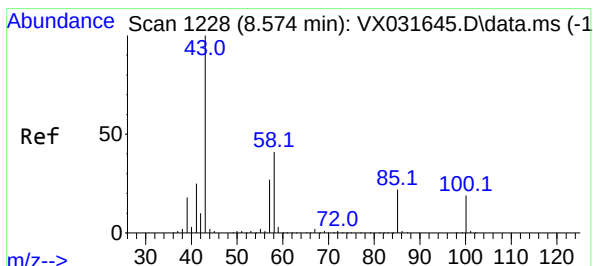
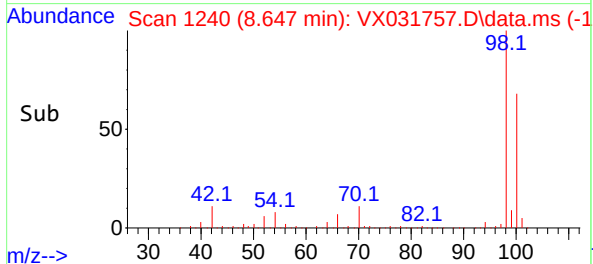
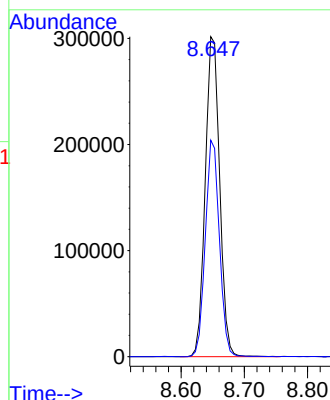
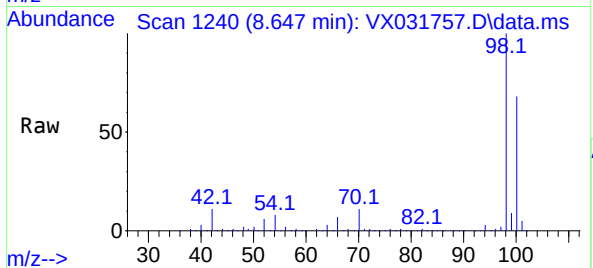
WC-3

Tgt Ion: 98 Resp: 478693

Ion Ratio Lower Upper

98 100

100 66.2 52.5 78.7



#51

4-Methyl-2-Pentanone

Concen: 16.068 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. -0.031 min

Lab File: VX031757.D

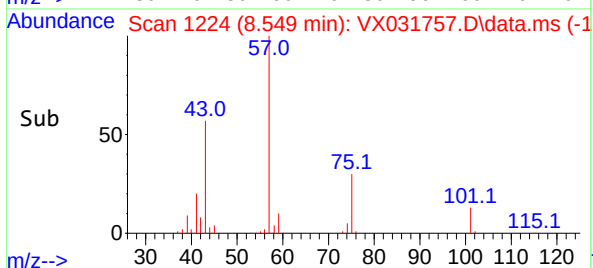
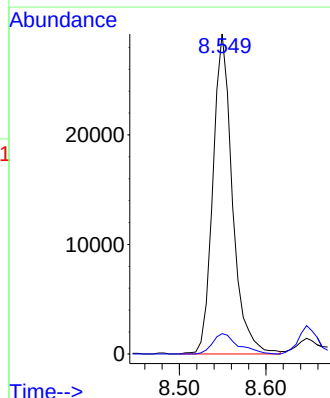
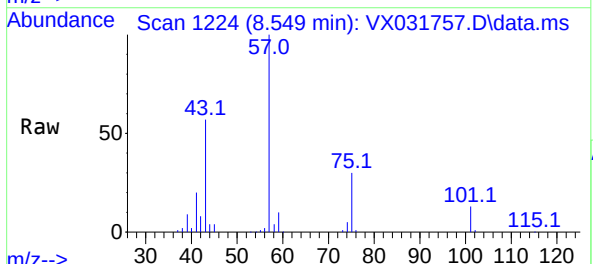
Acq: 29 Sep 2022 04:06

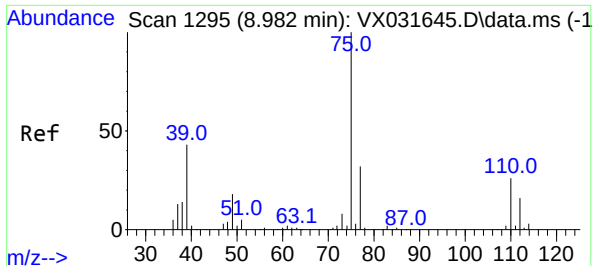
Tgt Ion: 43 Resp: 45855

Ion Ratio Lower Upper

43 100

58 8.2 30.6 46.0#





#53

t-1,3-Dichloropropene

Concen: 2.008 ug/l

RT: 8.952 min Scan# 11

Delta R.T. -0.030 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

Instrument :

MSVOA_X

ClientSampleId :

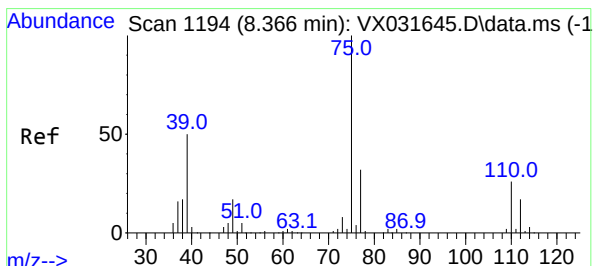
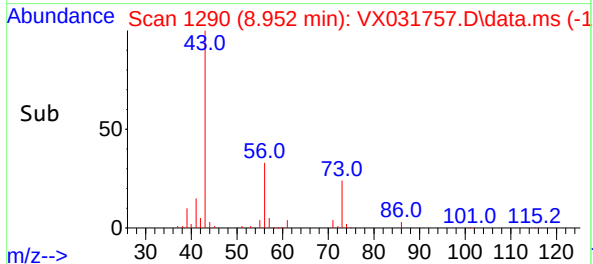
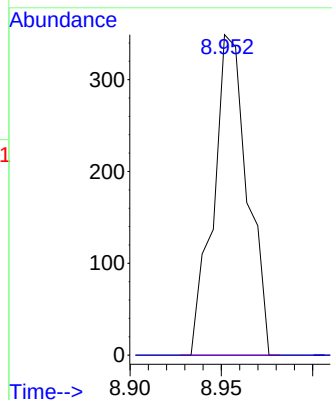
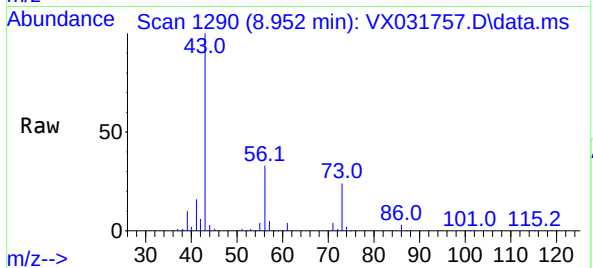
WC-3

Tgt Ion: 75 Resp: 453

Ion Ratio Lower Upper

75 100

77 0.0 24.8 37.2#



#54

cis-1,3-Dichloropropene

Concen: 7.281 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.183 min

Lab File: VX031757.D

Acq: 29 Sep 2022 04:06

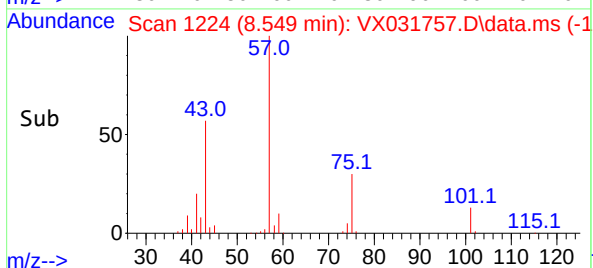
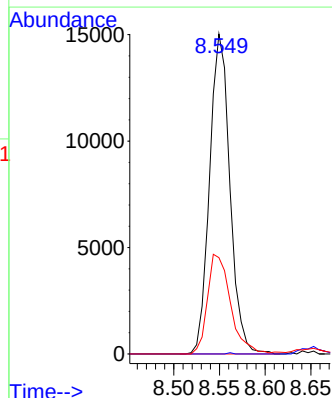
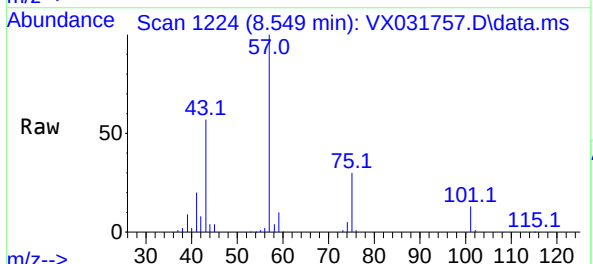
Tgt Ion: 75 Resp: 23215

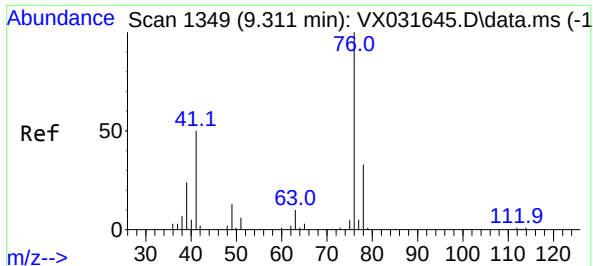
Ion Ratio Lower Upper

75 100

77 0.0 24.4 36.6#

39 30.1 43.7 65.5#

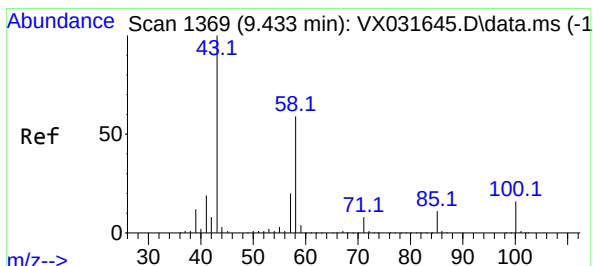
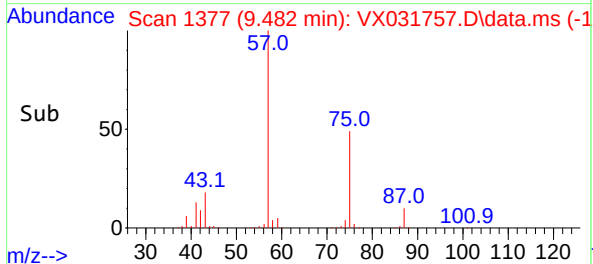
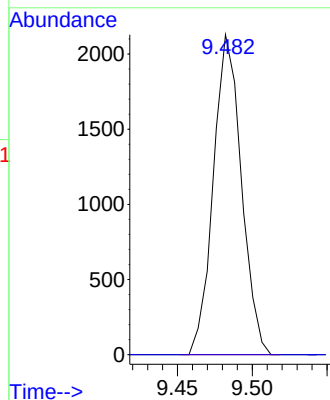
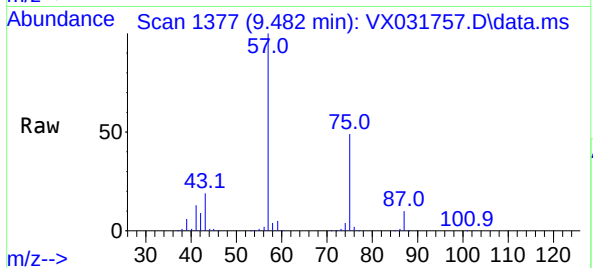




#57
1,3-Dichloropropane
Concen: 0.700 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

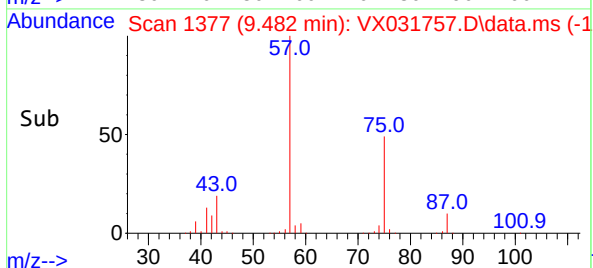
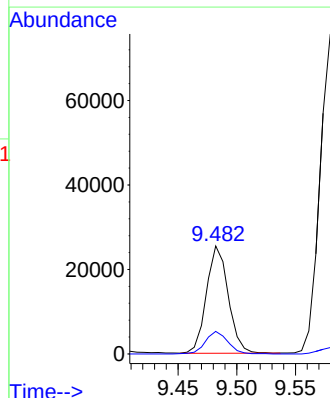
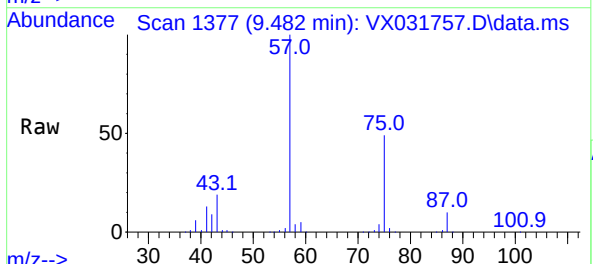
Instrument :
MSVOA_X
ClientSampleId :
WC-3

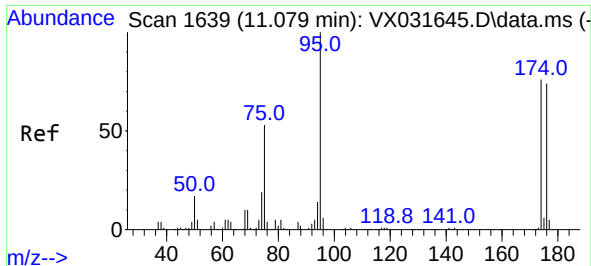
Tgt Ion: 76 Resp: 2775
Ion Ratio Lower Upper
76 100
78 0.0 25.5 38.3#



#59
2-Hexanone
Concen: 15.452 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 43 Resp: 32901
Ion Ratio Lower Upper
43 100
58 21.7 26.7 80.0#

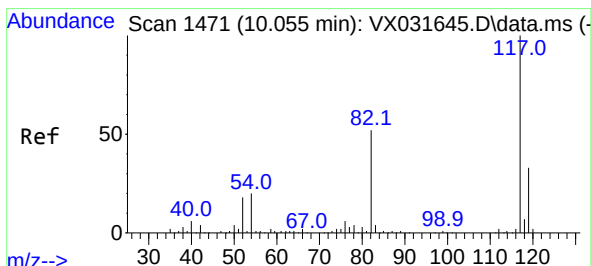
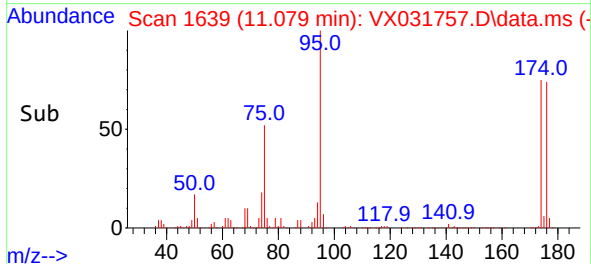
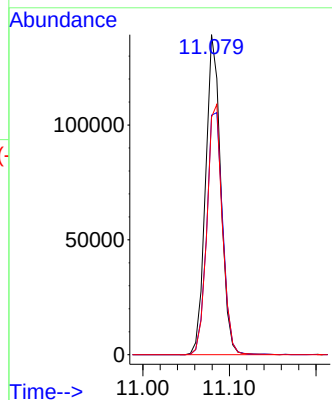
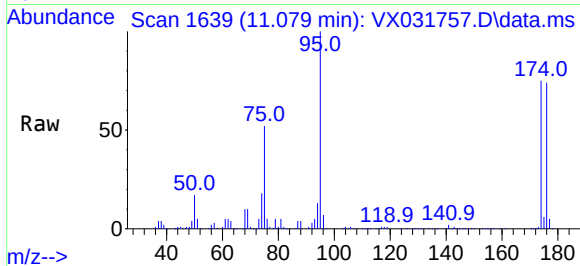




#62
4-Bromofluorobenzene
Concen: 51.464 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

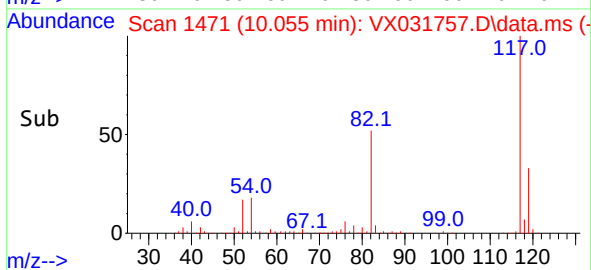
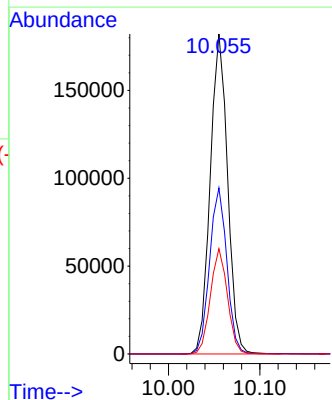
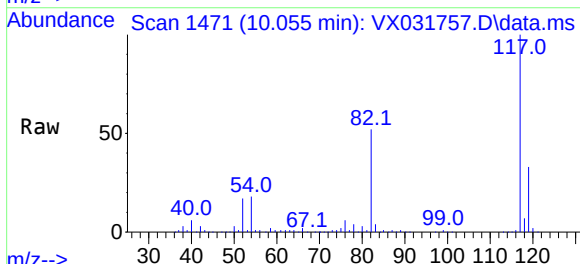
Instrument :
MSVOA_X
ClientSampleId :
WC-3

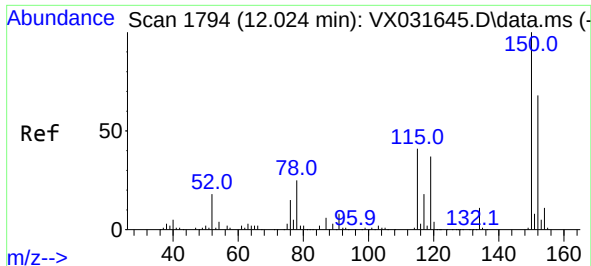
Tgt Ion: 95 Resp: 169113
Ion Ratio Lower Upper
95 100
174 79.9 0.0 153.2
176 79.4 0.0 144.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 117 Resp: 239890
Ion Ratio Lower Upper
117 100
82 51.9 46.8 70.2
119 32.9 26.4 39.6

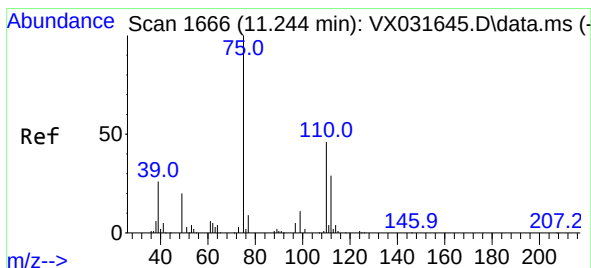
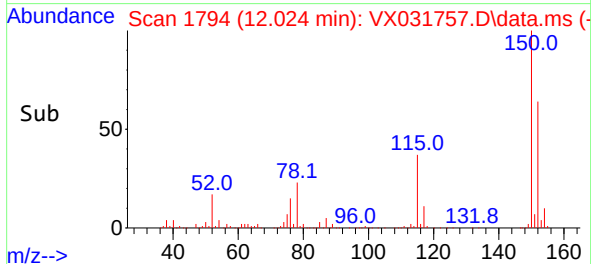
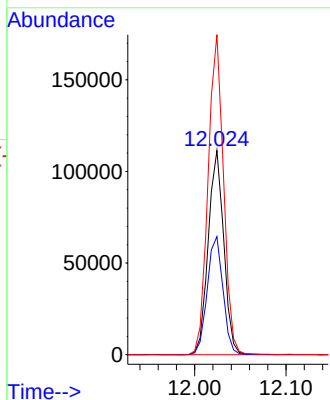
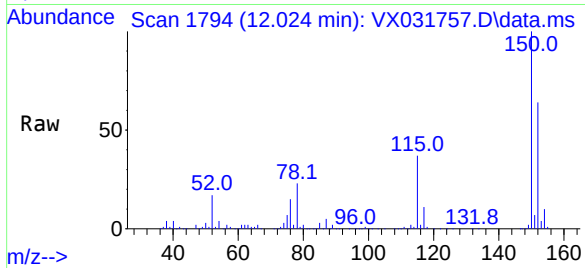




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

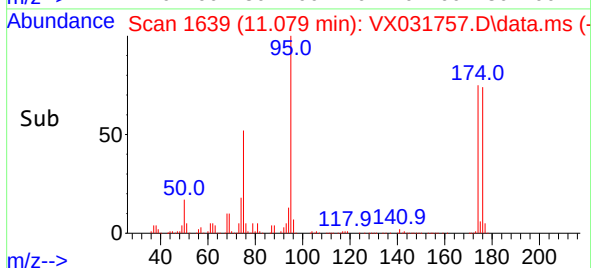
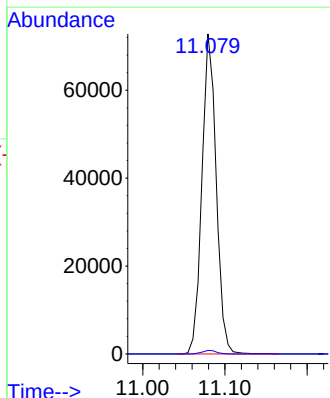
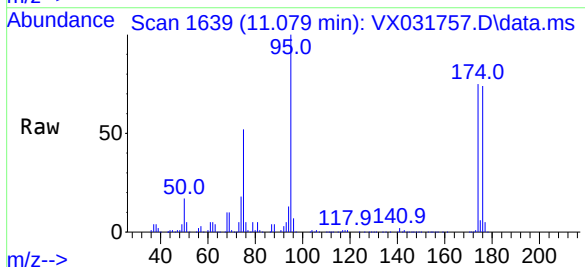
Instrument :
MSVOA_X
ClientSampleId :
WC-3

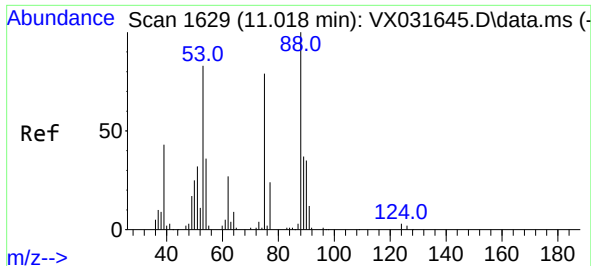
Tgt Ion:152 Resp: 131435
Ion Ratio Lower Upper
152 100
115 58.9 43.4 130.1
150 155.6 0.0 346.8



#76
1,2,3-Trichloropropane
Concen: 36.828 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.159 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Tgt Ion: 75 Resp: 87753
Ion Ratio Lower Upper
75 100
77 1.1 20.3 60.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 120.694 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX031757.D
Acq: 29 Sep 2022 04:06

Instrument :
MSVOA_X
ClientSampleId :
WC-3

Tgt Ion: 75 Resp: 87753
Ion Ratio Lower Upper
75 100
53 0.0 77.6 116.4#
89 0.0 37.4 56.0#

