

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032322\
 Data File : VX027673.D
 Acq On : 23 Mar 2022 17:24
 Operator : JC/MD
 Sample : N1905-16
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14A-1A-1

Quant Time: Mar 23 18:38:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X031722W.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 15:02:59 2022
 Response via : Initial Calibration

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

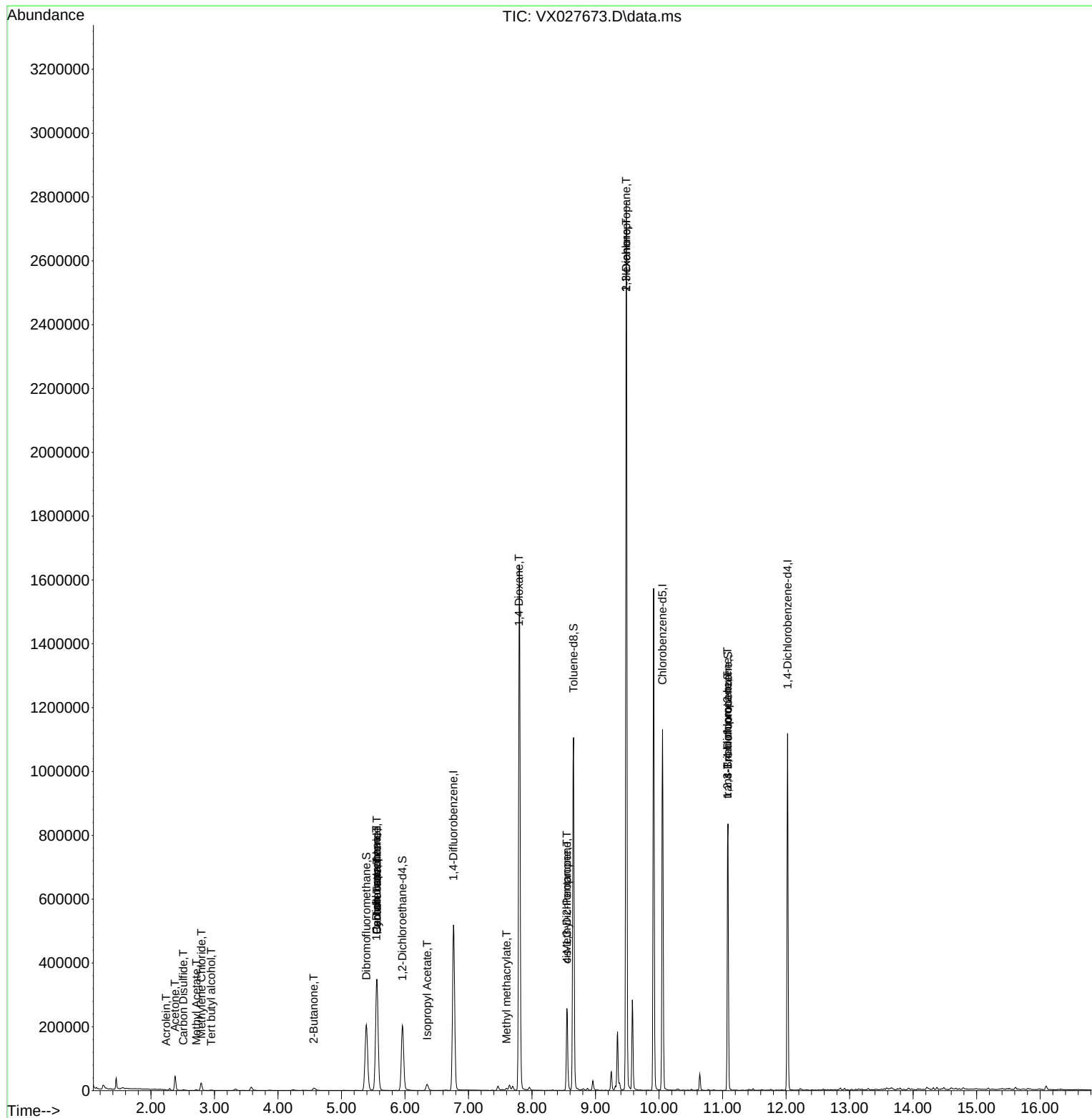
Internal Standards						
1) Pentafluorobenzene	5.556	168	344857	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	557530	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	541118	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	230727	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	201926	47.531	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	95.060%
35) Dibromofluoromethane	5.391	113	182974	51.010	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.020%
50) Toluene-d8	8.653	98	670911	49.427	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.860%
62) 4-Bromofluorobenzene	11.085	95	233004	46.702	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	93.400%
Target Compounds						
					Qvalue	
5) Bromomethane	1.611	94	548	Below Cal		88
11) Tert butyl alcohol	2.947	59	862	1.065 ug/l	#	72
13) Acrolein	2.239	56	336	0.535 ug/l	#	15
16) Acetone	2.380	43	45964	26.544 ug/l		99
17) Carbon Disulfide	2.508	76	2524	0.310 ug/l		95
18) Methyl Acetate	2.715	43	2762	0.666 ug/l		97
20) Methylene Chloride	2.794	84	11500	3.089 ug/l		99
25) 2-Butanone	4.562	43	13740	5.274 ug/l		90
31) Cyclohexane	5.556	56	5798	1.099 ug/l	#	12
36) 1,1-Dichloropropene	5.550	75	24160	4.929 ug/l	#	50
38) Carbon Tetrachloride	5.556	117	33900	6.045 ug/l	#	15
43) Isopropyl Acetate	6.348	43	25077	3.190 ug/l		97
48) Methyl methacrylate	7.598	41	7174	1.844 ug/l	#	7
49) 1,4-Dioxane	7.793	88	282	2.822 ug/l	#	1
51) 4-Methyl-2-Pentanone	8.549	43	85738	17.085 ug/l	#	45
54) cis-1,3-Dichloropropene	8.549	75	43183	7.503 ug/l	#	71
57) 1,3-Dichloropropane	9.482	76	26829	4.307 ug/l	#	42
59) 2-Hexanone	9.482	43	311945	80.711 ug/l	#	44
76) 1,2,3-Trichloropropane	11.079	75	103656	21.479 ug/l	#	38
81) trans-1,4-Dichloro-2-b...	11.079	75	103656	65.231 ug/l	#	15

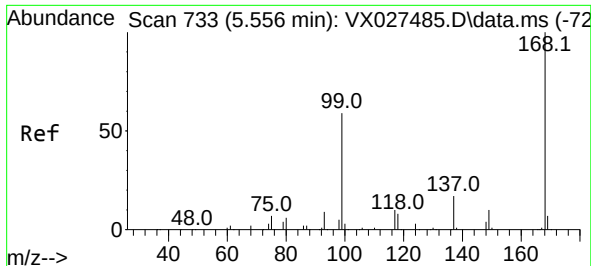
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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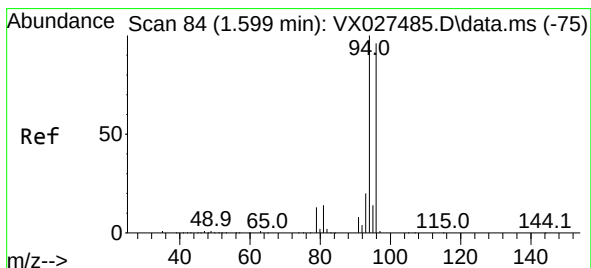
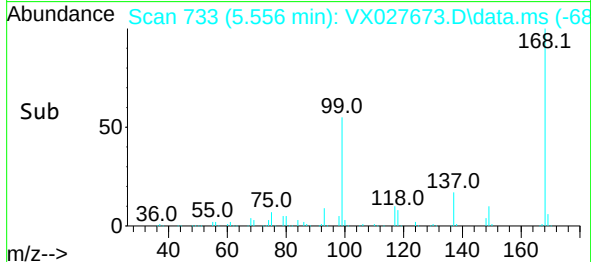
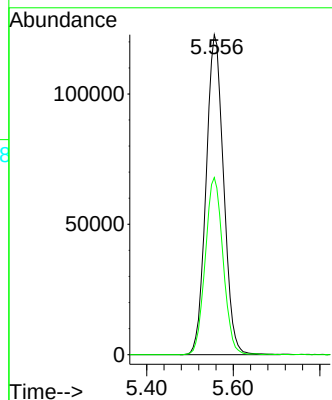
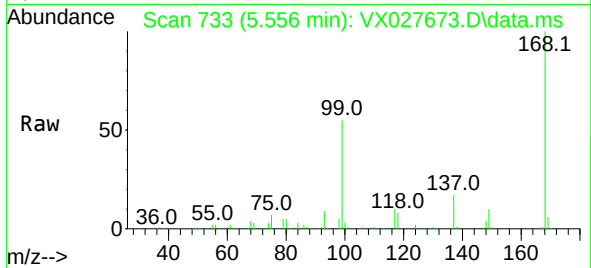




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

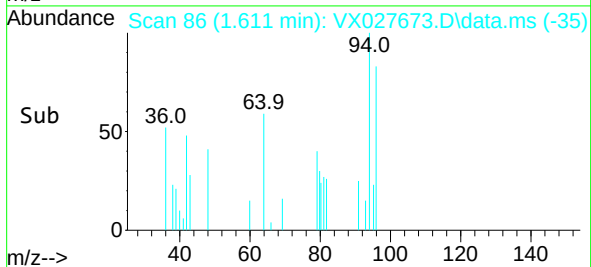
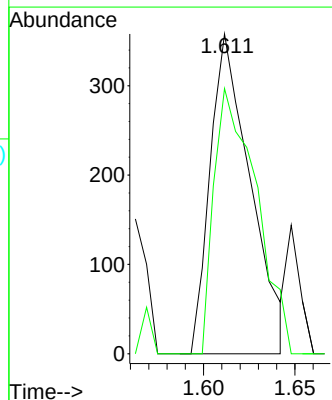
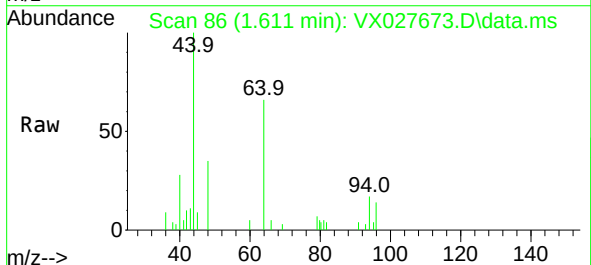
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

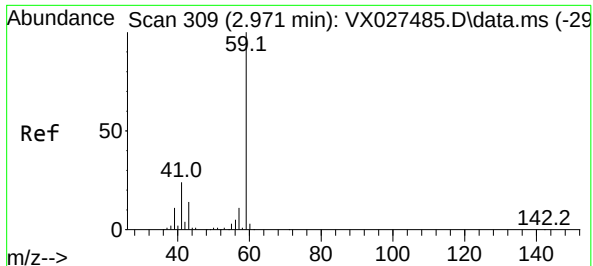
Tgt Ion:168 Resp: 344857
Ion Ratio Lower Upper
168 100
99 55.3 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.611 min Scan# 86
Delta R.T. 0.012 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 94 Resp: 548
Ion Ratio Lower Upper
94 100
96 83.0 75.3 112.9





#11

Tert butyl alcohol

Concen: 1.065 ug/l

RT: 2.947 min Scan# 309

Delta R.T. -0.024 min

Lab File: VX027673.D

Acq: 23 Mar 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

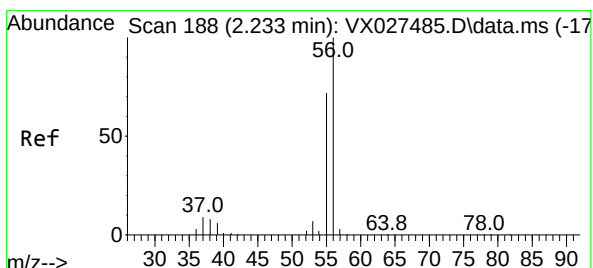
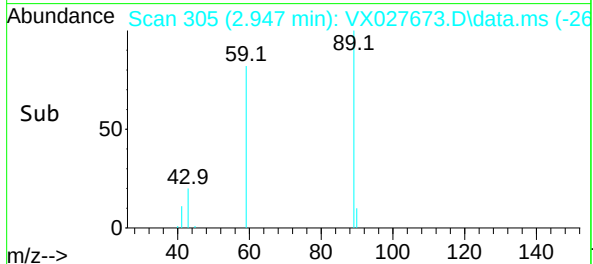
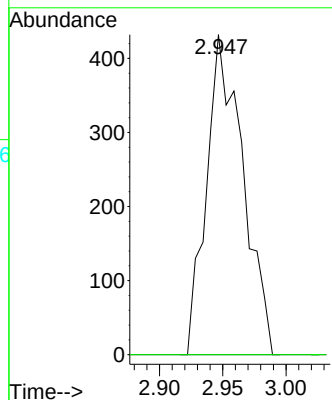
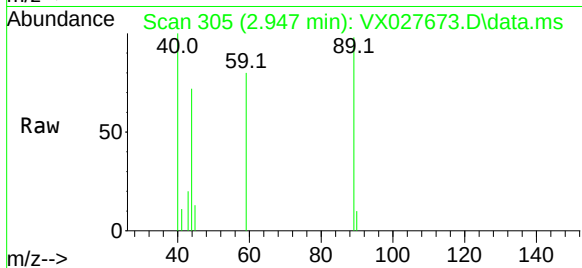
WC-14A-1A-1

Tgt Ion: 59 Resp: 862

Ion Ratio Lower Upper

59 100

57 0.0 8.3 12.5#



#13

Acrolein

Concen: 0.535 ug/l

RT: 2.239 min Scan# 189

Delta R.T. 0.006 min

Lab File: VX027673.D

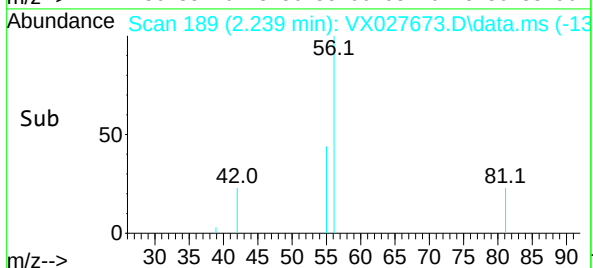
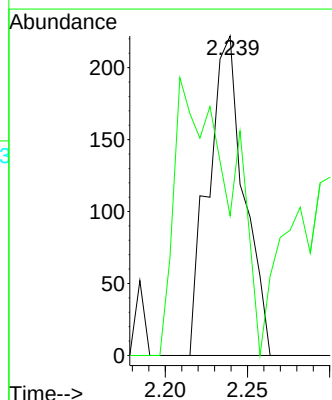
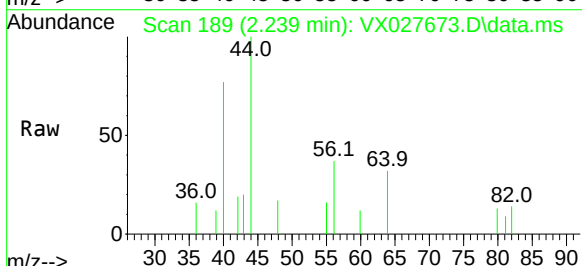
Acq: 23 Mar 2022 17:24

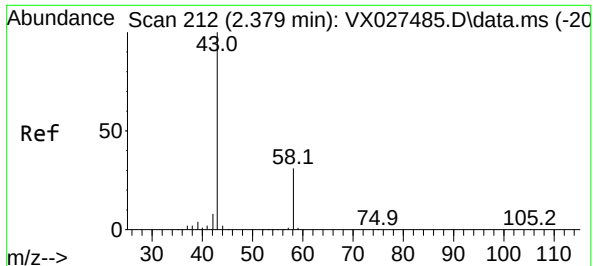
Tgt Ion: 56 Resp: 336

Ion Ratio Lower Upper

56 100

55 0.0 55.0 82.6#

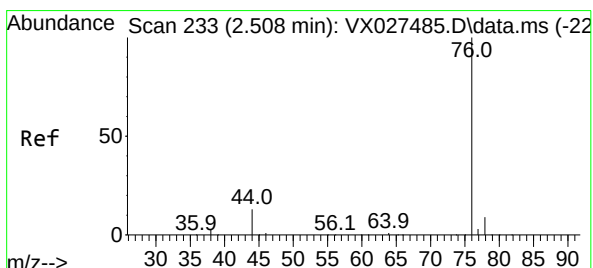
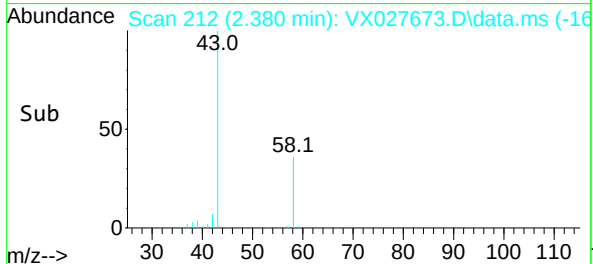
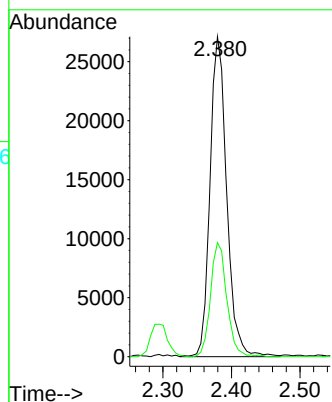
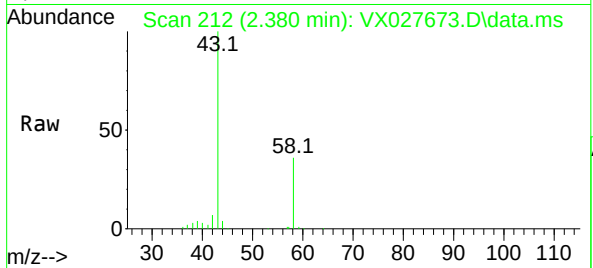




#16
Acetone
Concen: 26.544 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

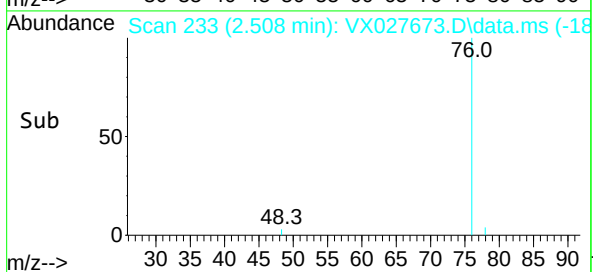
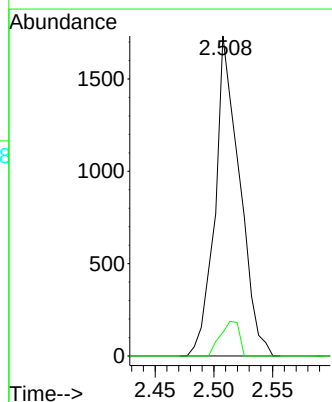
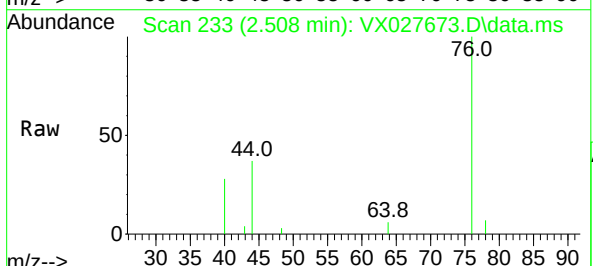
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

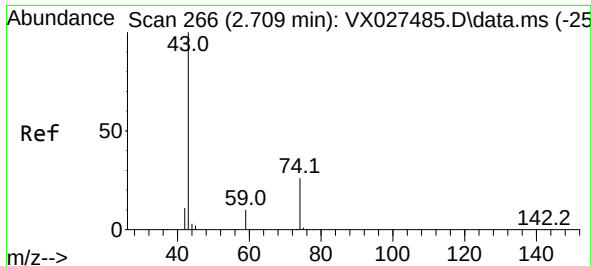
Tgt Ion: 43 Resp: 45964
Ion Ratio Lower Upper
43 100
58 35.7 28.8 43.2



#17
Carbon Disulfide
Concen: 0.310 ug/l
RT: 2.508 min Scan# 233
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 76 Resp: 2524
Ion Ratio Lower Upper
76 100
78 7.3 7.2 10.8

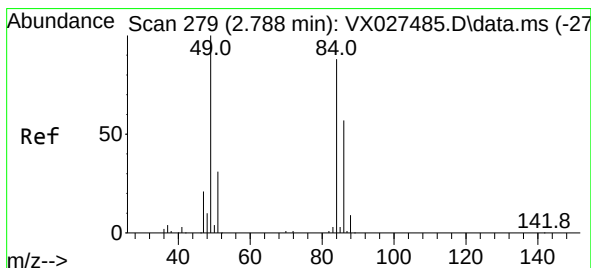
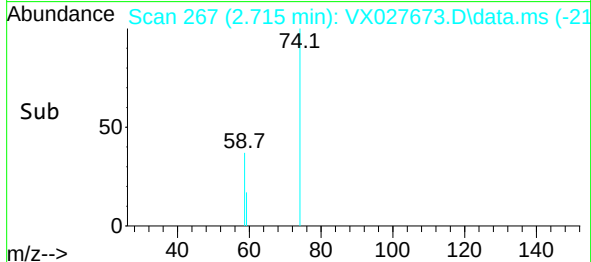
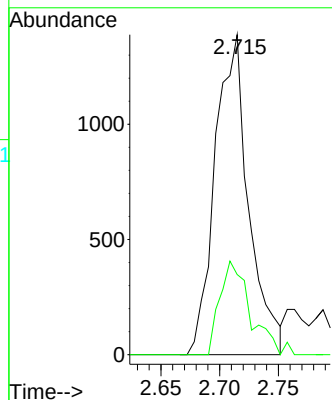
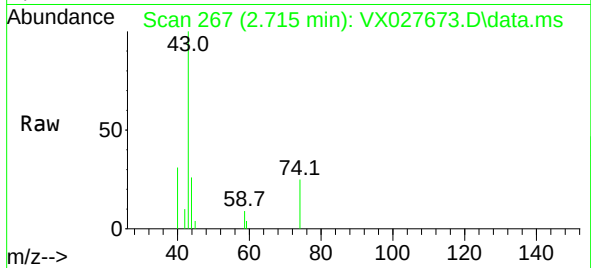




#18
Methyl Acetate
Concen: 0.666 ug/l
RT: 2.715 min Scan# 20
Delta R.T. 0.006 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

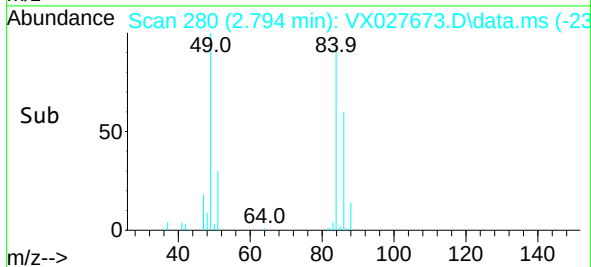
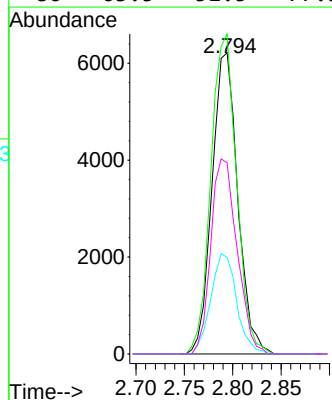
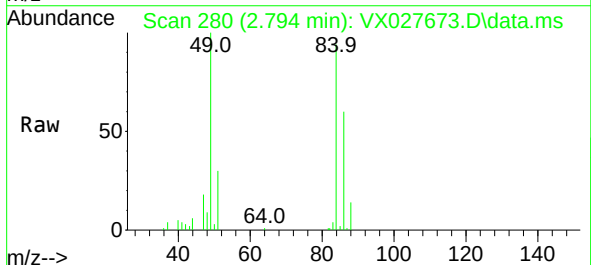
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

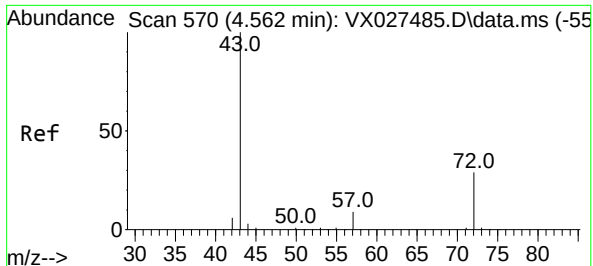
Tgt Ion: 43 Resp: 2762
Ion Ratio Lower Upper
43 100
74 26.9 22.8 34.2



#20
Methylene Chloride
Concen: 3.089 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 84 Resp: 11500
Ion Ratio Lower Upper
84 100
49 106.2 85.5 128.3
51 32.1 26.6 39.8
86 63.5 51.5 77.3





#25

2-Butanone

Concen: 5.274 ug/l

RT: 4.562 min Scan# 51

Delta R.T. 0.000 min

Lab File: VX027673.D

Acq: 23 Mar 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

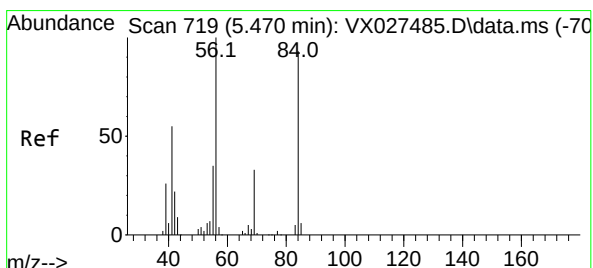
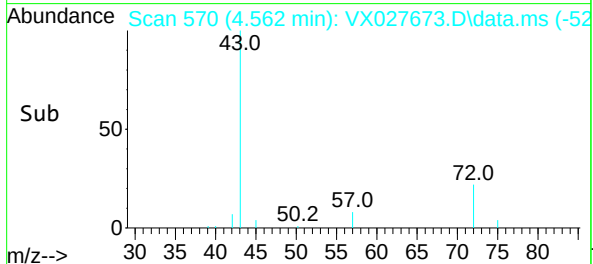
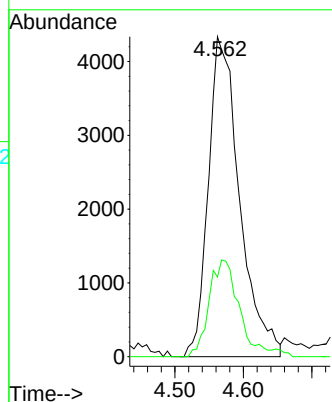
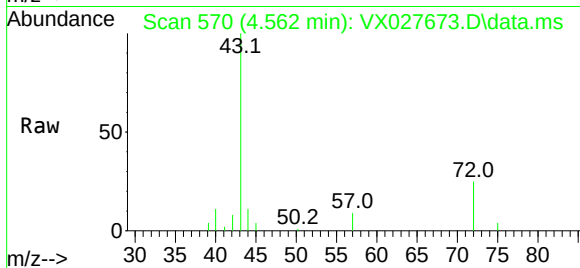
WC-14A-1A-1

Tgt Ion: 43 Resp: 13740

Ion Ratio Lower Upper

43 100

72 24.9 24.4 36.6



#31

Cyclohexane

Concen: 1.099 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027673.D

Acq: 23 Mar 2022 17:24

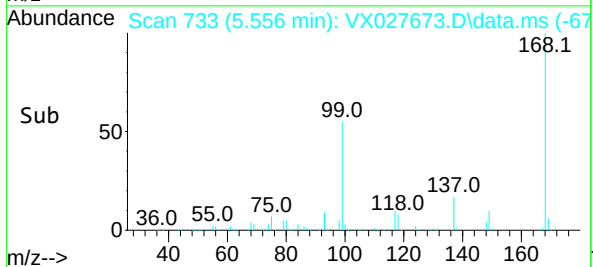
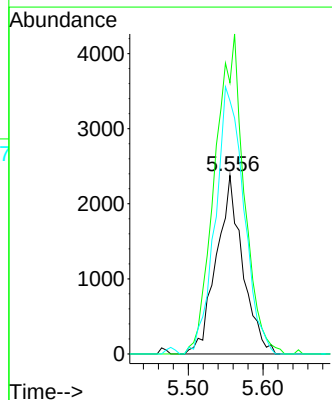
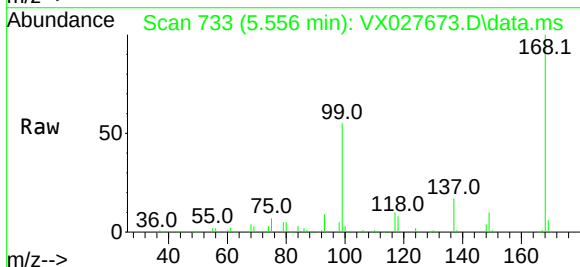
Tgt Ion: 56 Resp: 5798

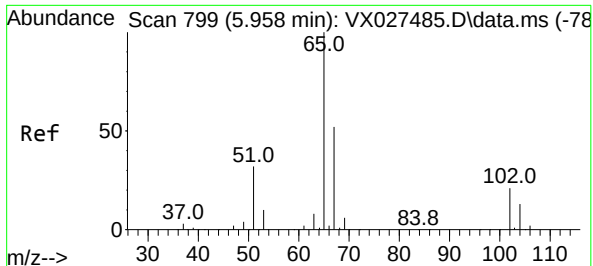
Ion Ratio Lower Upper

56 100

69 152.0 26.7 40.1#

84 141.8 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 47.531 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027673.D

Acq: 23 Mar 2022 17:24

Instrument :

MSVOA_X

ClientSampleId :

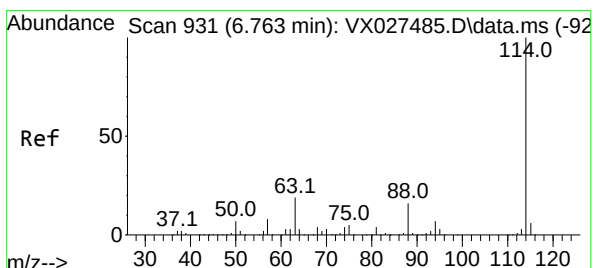
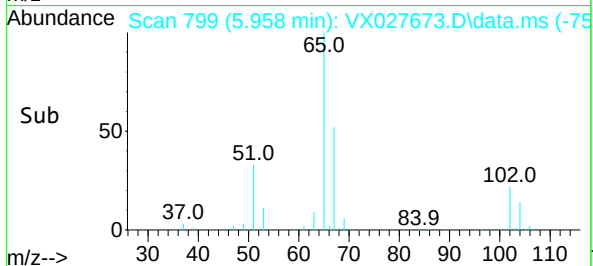
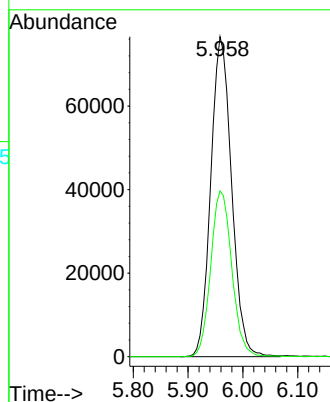
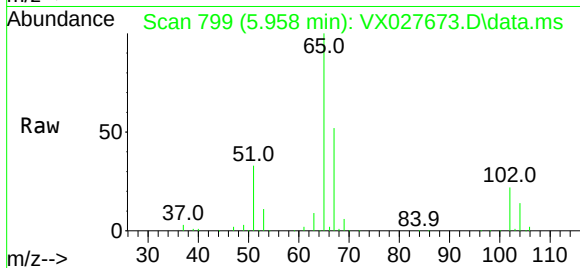
WC-14A-1A-1

Tgt Ion: 65 Resp: 201926

Ion Ratio Lower Upper

65 100

67 52.5 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 931

Delta R.T. 0.000 min

Lab File: VX027673.D

Acq: 23 Mar 2022 17:24

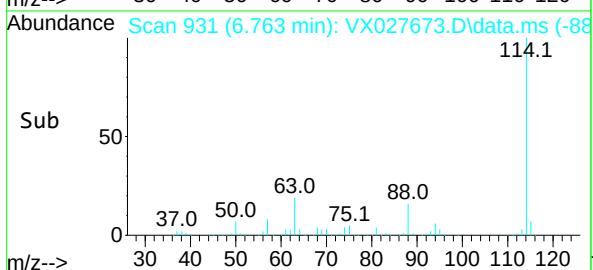
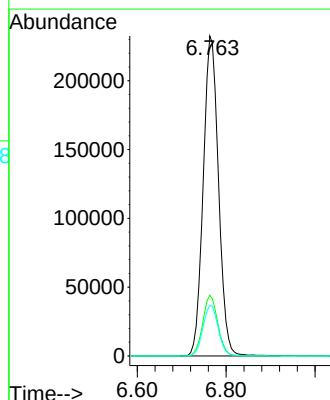
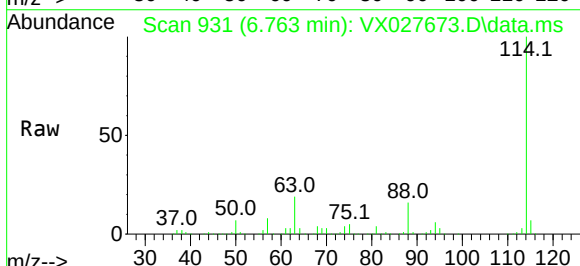
Tgt Ion: 114 Resp: 557530

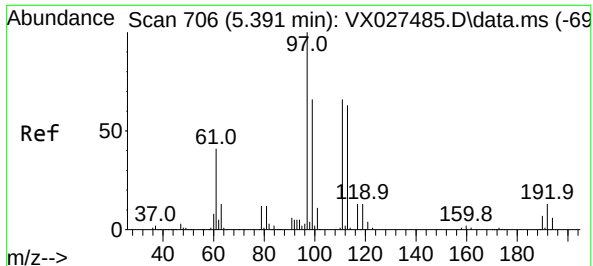
Ion Ratio Lower Upper

114 100

63 19.0 0.0 36.8

88 15.7 0.0 32.4

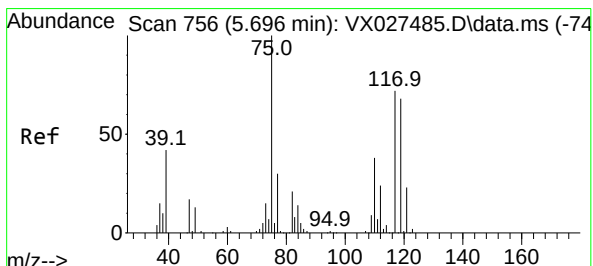
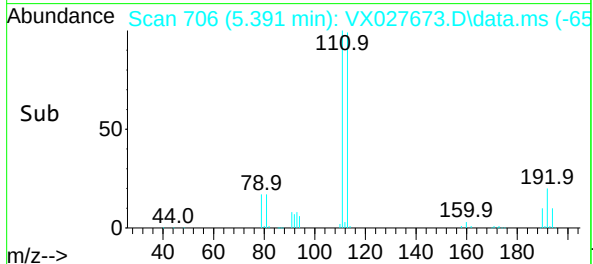
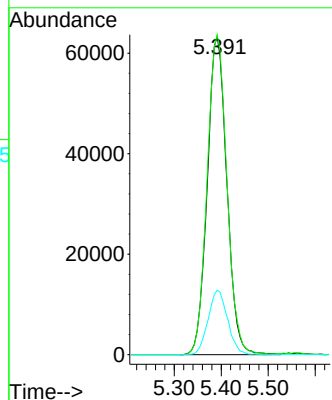
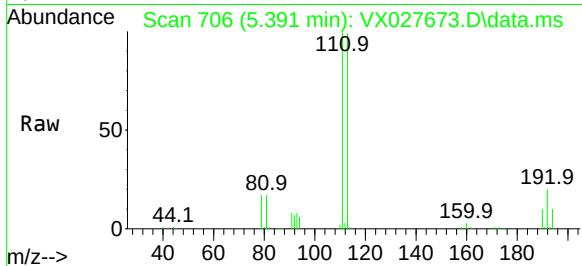




#35
Dibromofluoromethane
Concen: 51.010 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

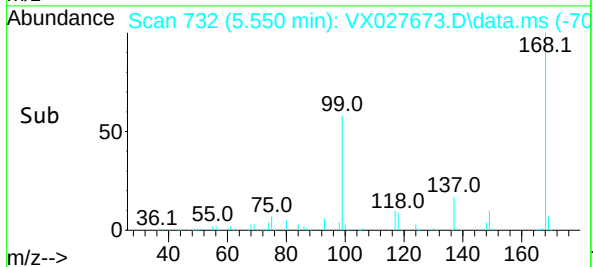
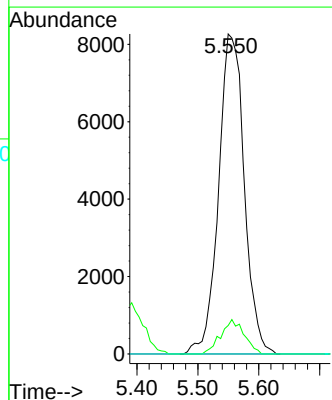
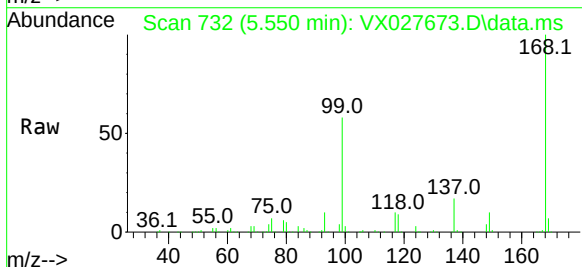
Instrument :
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WC-14A-1A-1

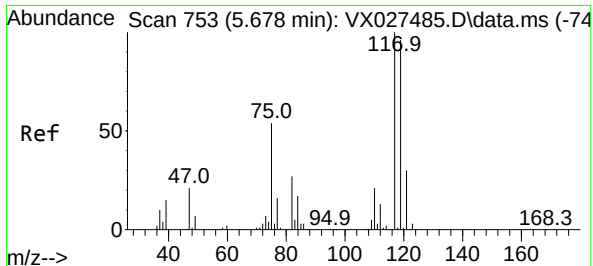
Tgt Ion:113 Resp: 182974
Ion Ratio Lower Upper
113 100
111 101.7 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.929 ug/l
RT: 5.550 min Scan# 732
Delta R.T. -0.146 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 75 Resp: 24160
Ion Ratio Lower Upper
75 100
110 9.8 18.3 54.8#
77 0.0 24.8 37.2#

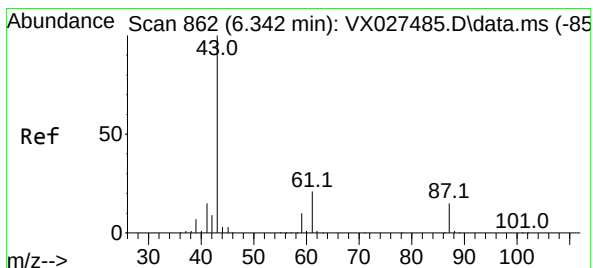
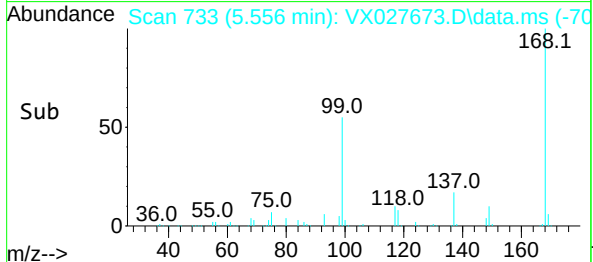
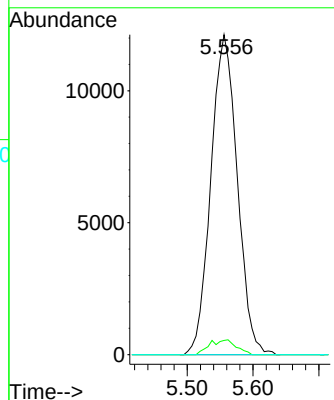
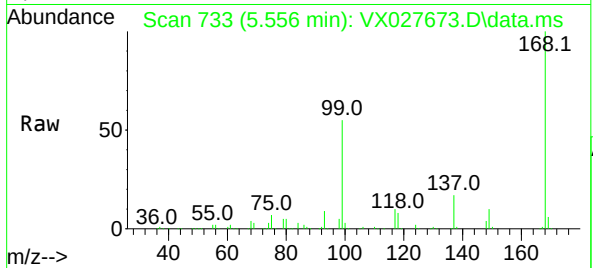




#38
Carbon Tetrachloride
Concen: 6.045 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.122 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

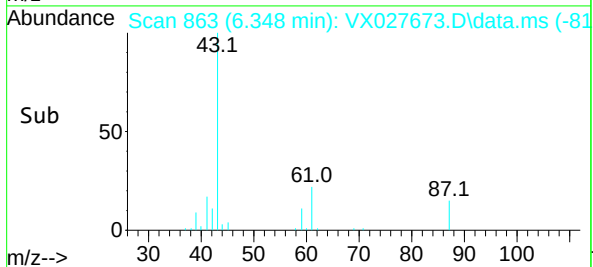
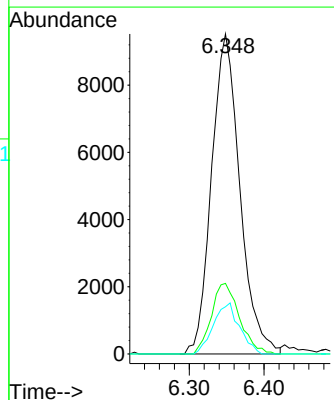
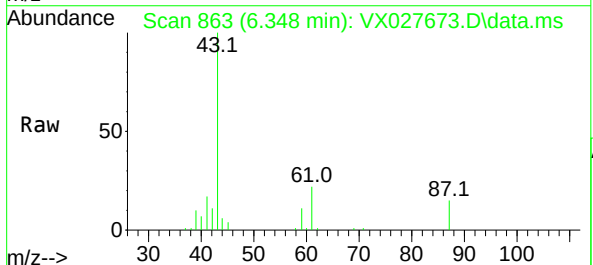
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

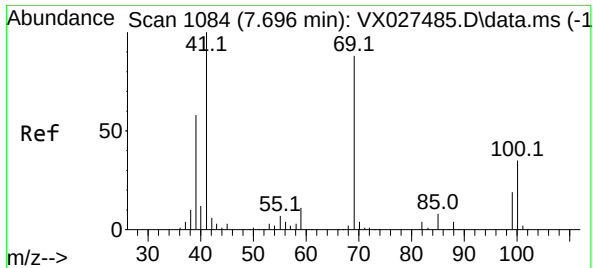
Tgt Ion:117 Resp: 33900
Ion Ratio Lower Upper
117 100
119 4.4 77.3 115.9#
121 0.0 24.2 36.2#



#43
Isopropyl Acetate
Concen: 3.190 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 43 Resp: 25077
Ion Ratio Lower Upper
43 100
61 21.8 18.5 27.7
87 14.6 13.0 19.6

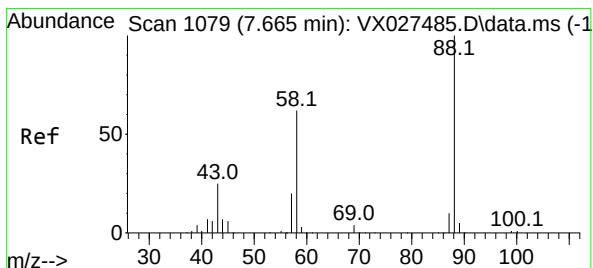
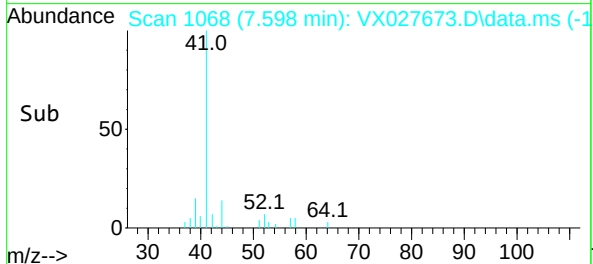
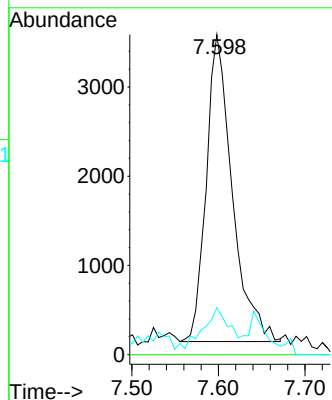
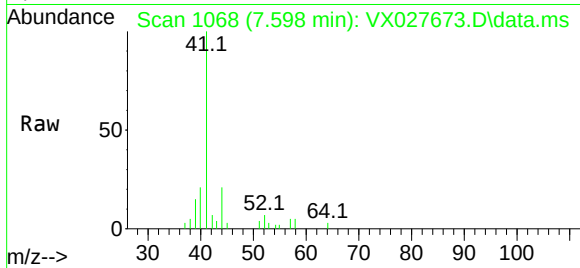




#48
Methyl methacrylate
Concen: 1.844 ug/l
RT: 7.598 min Scan# 1100
Delta R.T. -0.097 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

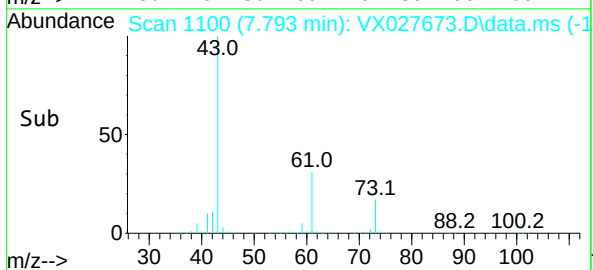
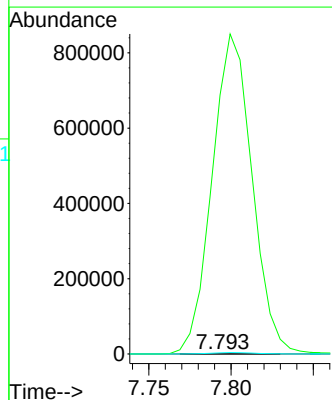
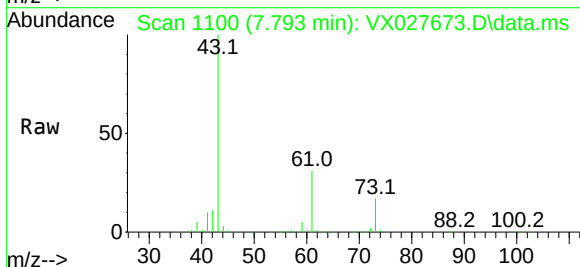
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

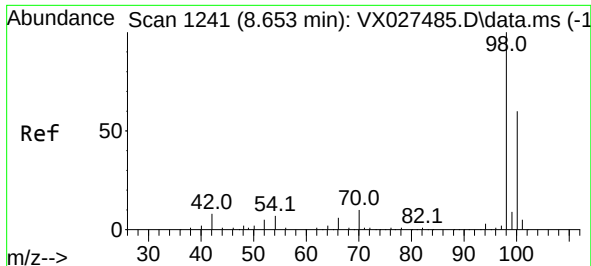
Tgt Ion: 41 Resp: 7174
Ion Ratio Lower Upper
41 100
69 0.0 82.5 123.7#
39 0.0 43.8 65.8#



#49
1,4-Dioxane
Concen: 2.822 ug/l
RT: 7.793 min Scan# 1100
Delta R.T. 0.128 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 88 Resp: 282
Ion Ratio Lower Upper
88 100
43 512928.7 21.9 32.9#
58 2457.8 53.7 80.5#

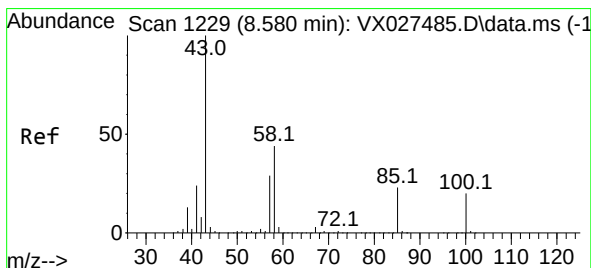
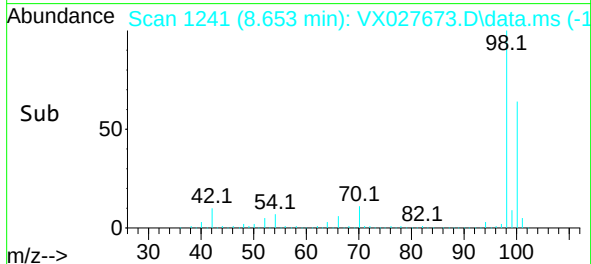
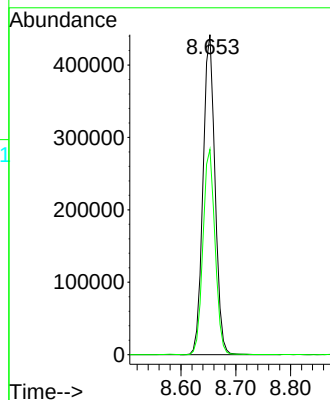
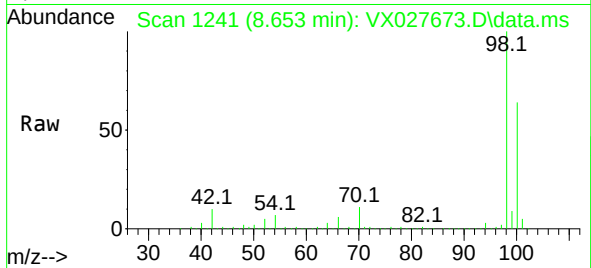




#50
Toluene-d8
Concen: 49.427 ug/l
RT: 8.653 min Scan# 1241
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

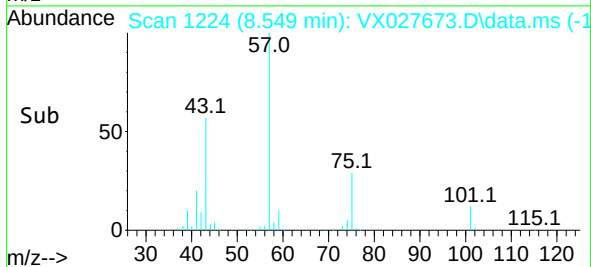
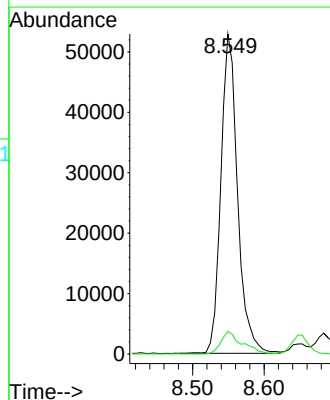
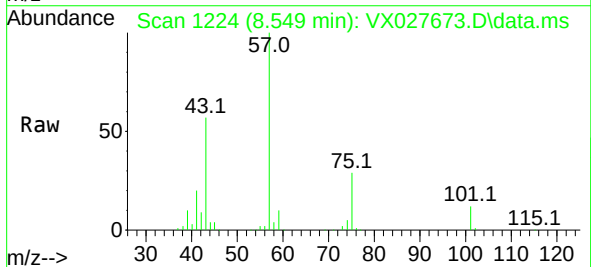
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

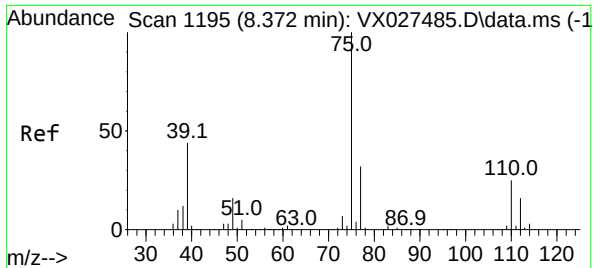
Tgt Ion: 98 Resp: 670911
Ion Ratio Lower Upper
98 100
100 64.6 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 17.085 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 43 Resp: 85738
Ion Ratio Lower Upper
43 100
58 8.9 36.1 54.1#

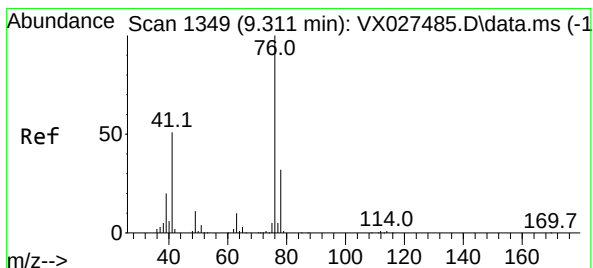
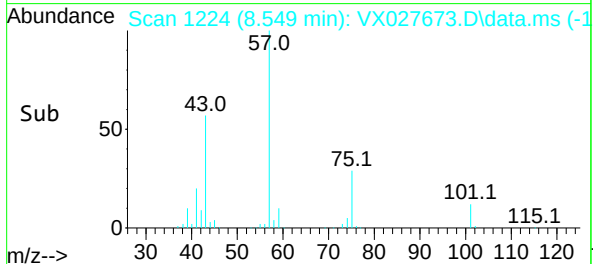
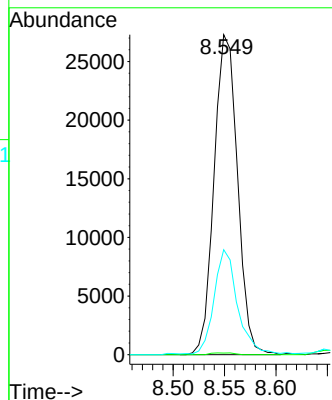
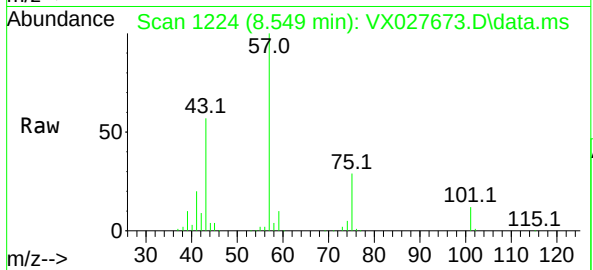




#54
cis-1,3-Dichloropropene
Concen: 7.503 ug/l
RT: 8.549 min Scan# 1195
Delta R.T. 0.177 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

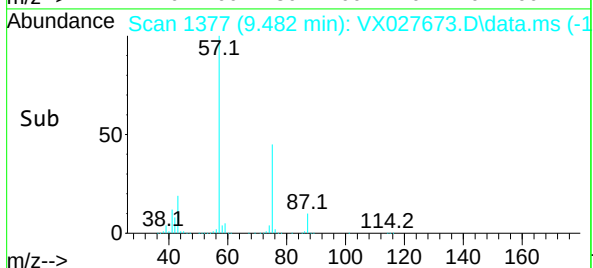
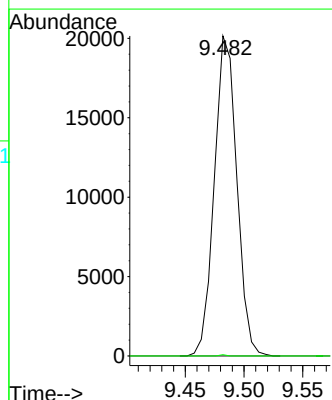
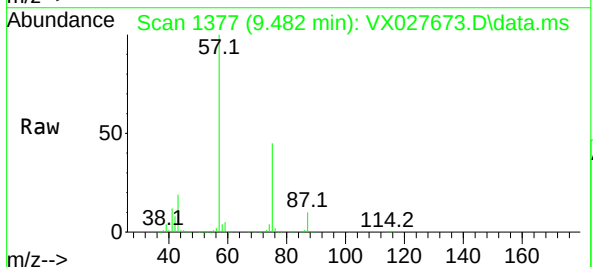
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

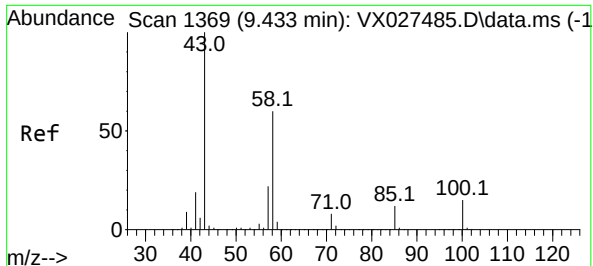
Tgt Ion: 75 Resp: 43183
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 32.6 29.6 44.4



#57
1,3-Dichloropropane
Concen: 4.307 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.171 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 76 Resp: 26829
Ion Ratio Lower Upper
76 100
78 0.1 25.8 38.8#

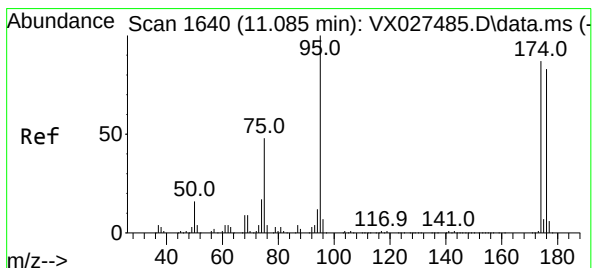
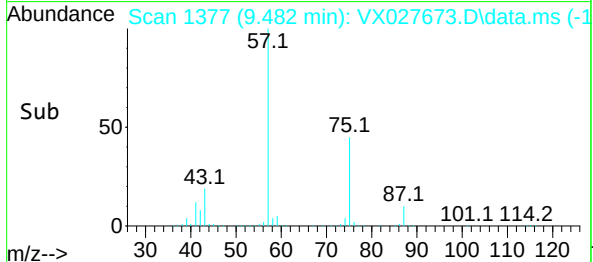
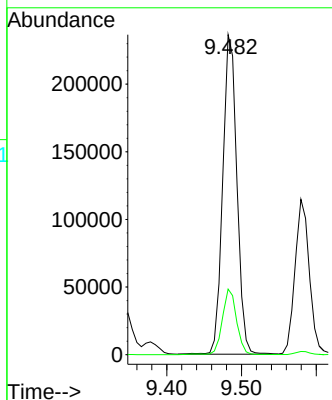
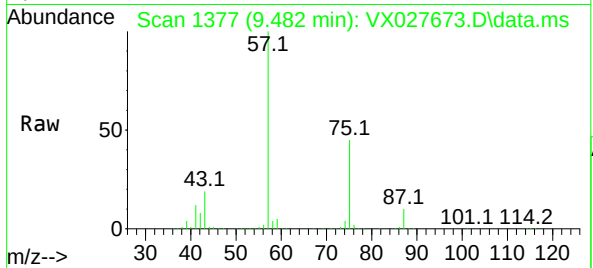




#59
2-Hexanone
Concen: 80.711 ug/l
RT: 9.482 min Scan# 1377
Delta R.T. 0.049 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

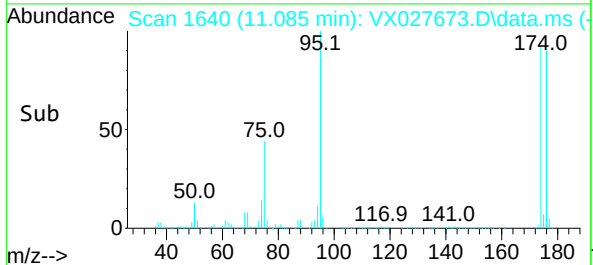
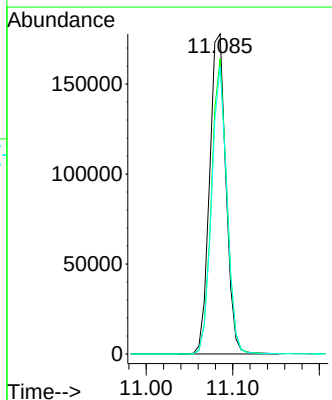
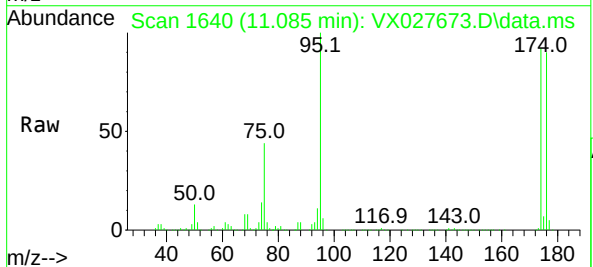
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

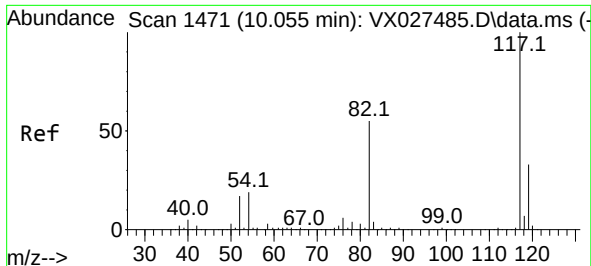
Tgt Ion: 43 Resp: 311945
Ion Ratio Lower Upper
43 100
58 20.3 31.9 95.7#



#62
4-Bromofluorobenzene
Concen: 46.702 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 95 Resp: 233004
Ion Ratio Lower Upper
95 100
174 87.2 0.0 163.0
176 84.3 0.0 155.0

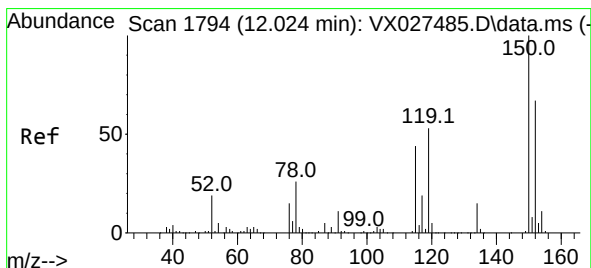
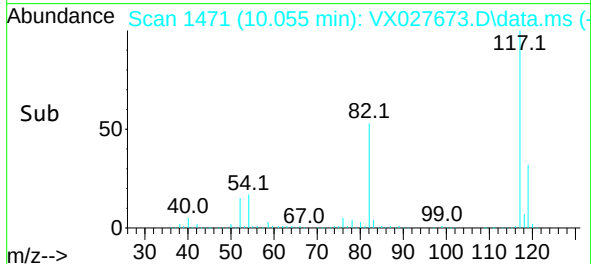
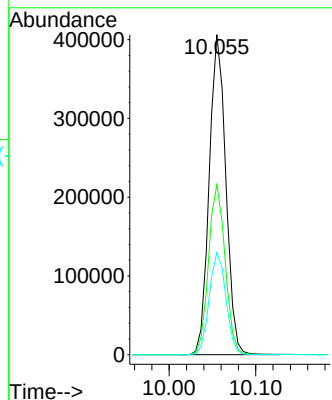
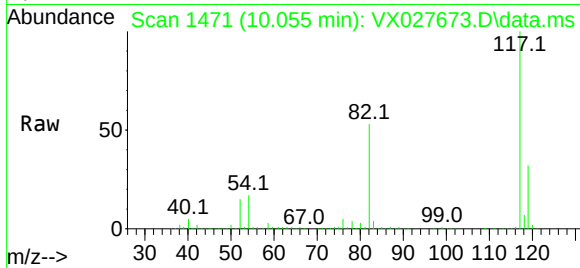




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

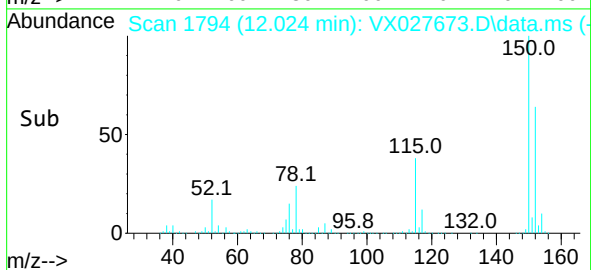
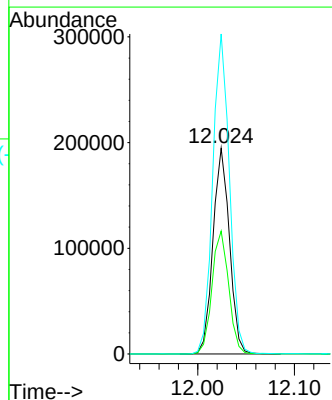
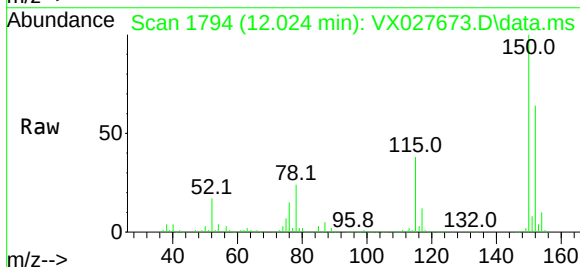
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

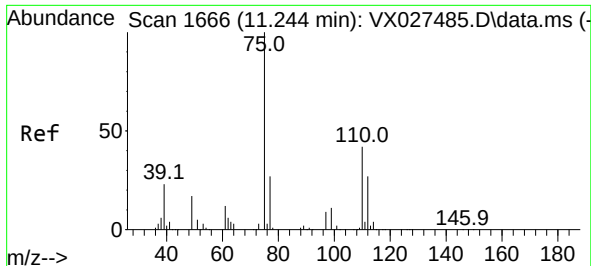
Tgt Ion:117 Resp: 541118
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.8
119 31.9 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion:152 Resp: 230727
Ion Ratio Lower Upper
152 100
115 60.4 37.5 112.7
150 156.9 0.0 338.2

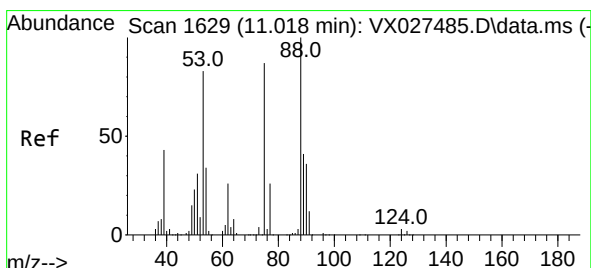
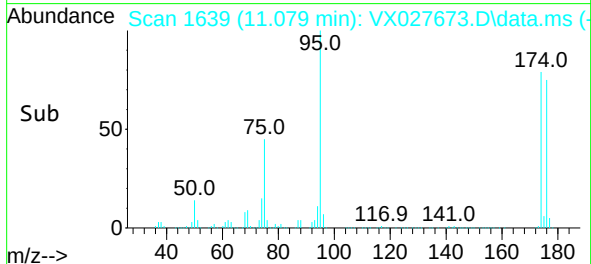
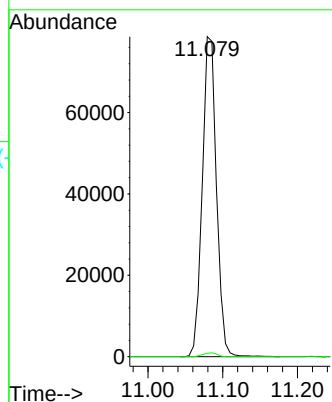
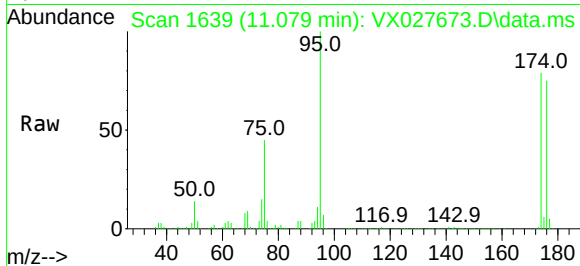




#76
1,2,3-Trichloropropane
Concen: 21.479 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-1

Tgt Ion: 75 Resp: 103656
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#



#81
trans-1,4-Dichloro-2-butene
Concen: 65.231 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.061 min
Lab File: VX027673.D
Acq: 23 Mar 2022 17:24

Tgt Ion: 75 Resp: 103656
Ion Ratio Lower Upper
75 100
53 0.0 69.0 103.4#
89 0.0 37.0 55.6#

