

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032322\
 Data File : VX027669.D
 Acq On : 23 Mar 2022 15:50
 Operator : JC/MD
 Sample : N1908-04
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-8-9-2

Quant Time: Mar 23 17:28:13 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)

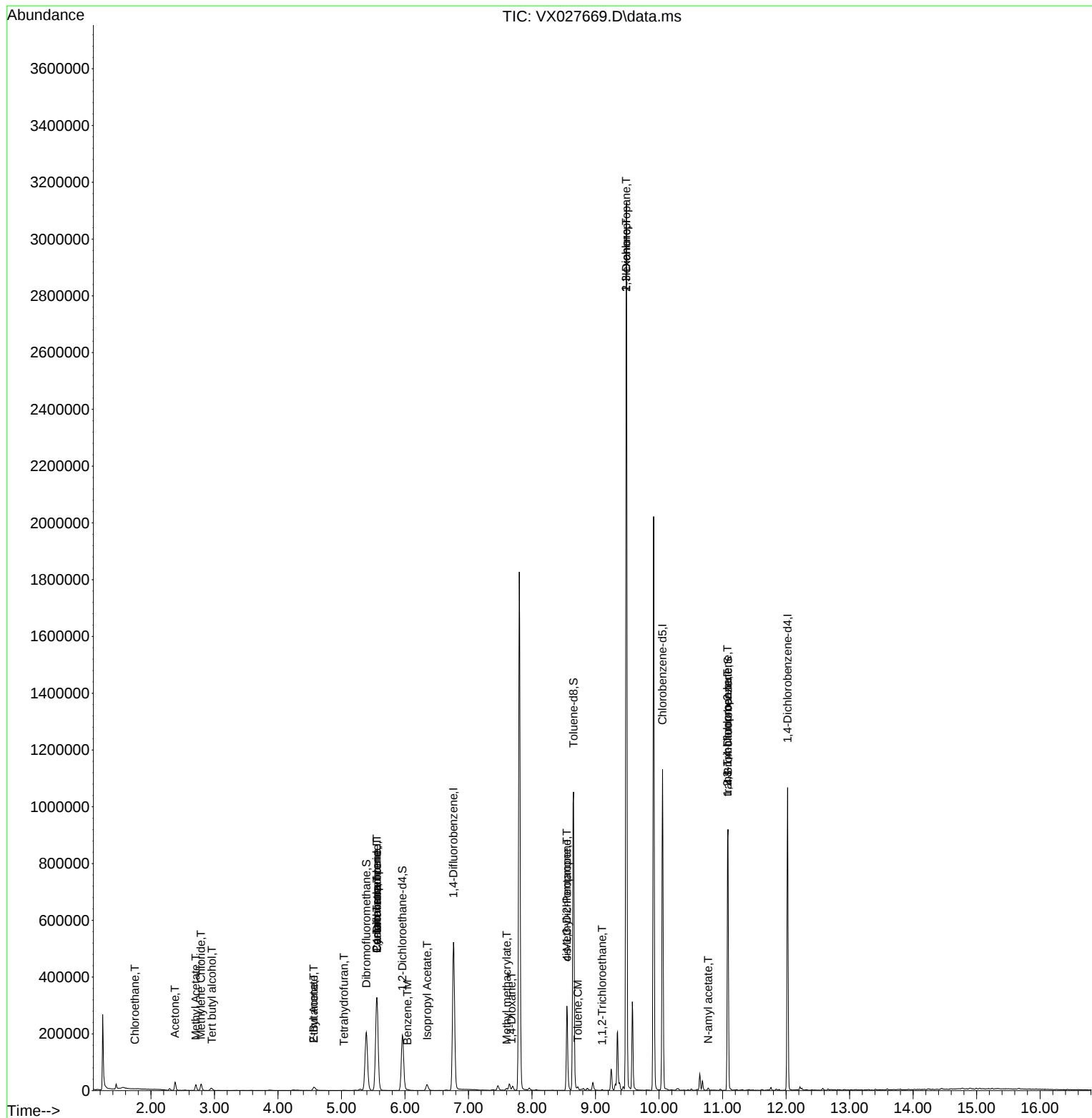
Internal Standards						
1) Pentafluorobenzene	5.556	168	344572	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	557038	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	509846	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	221794	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	191402	45.091	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	90.180%
35) Dibromofluoromethane	5.391	113	180854	50.463	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	100.920%
50) Toluene-d8	8.653	98	665609	49.080	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	98.160%
62) 4-Bromofluorobenzene	11.085	95	257656	51.689	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	103.380%
Target Compounds						
					Qvalue	
5) Bromomethane	1.605	94	771	Below Cal	#	65
6) Chloroethane	1.746	64	420	0.202	ug/l #	59
11) Tert butyl alcohol	2.959	59	6471	7.999	ug/l #	85
16) Acetone	2.380	43	29368	16.974	ug/l	99
18) Methyl Acetate	2.703	43	24208	5.838	ug/l	93
20) Methylene Chloride	2.788	84	10216	2.746	ug/l	97
25) 2-Butanone	4.562	43	20932	8.041	ug/l	98
29) Tetrahydrofuran	5.038	42	966	0.578	ug/l #	58
31) Cyclohexane	5.556	56	5231	0.992	ug/l #	1
36) 1,1-Dichloropropene	5.556	75	21489	4.388	ug/l #	46
37) Ethyl Acetate	4.562	43	20932	4.289	ug/l #	65
38) Carbon Tetrachloride	5.556	117	32159	5.740	ug/l #	16
40) Benzene	6.037	78	3300	0.235	ug/l	98
43) Isopropyl Acetate	6.348	43	27715	3.529	ug/l	95
48) Methyl methacrylate	7.604	41	8862	2.280	ug/l #	7
49) 1,4-Dioxane	7.677	88	31	0.311	ug/l #	1
51) 4-Methyl-2-Pentanone	8.549	43	97242	19.395	ug/l #	45
52) Toluene	8.720	92	3220	0.342	ug/l	96
54) cis-1,3-Dichloropropene	8.549	75	48488	8.433	ug/l #	69
55) 1,1,2-Trichloroethane	9.104	97	811	0.212	ug/l #	21
57) 1,3-Dichloropropane	9.482	76	28687	4.609	ug/l #	43
59) 2-Hexanone	9.482	43	365201	94.574	ug/l #	43
74) N-amyl acetate	10.774	43	3128	0.546	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	123731	26.671	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	123731	81.000	ug/l #	15

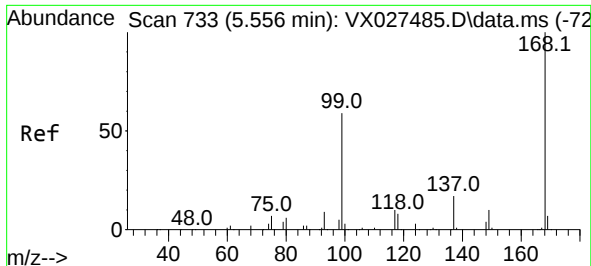
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VX027669.D
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Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

Quant Time: Mar 23 17:28:13 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

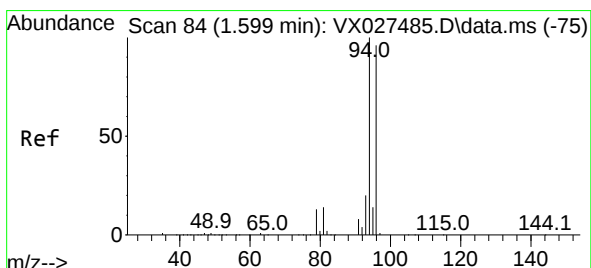
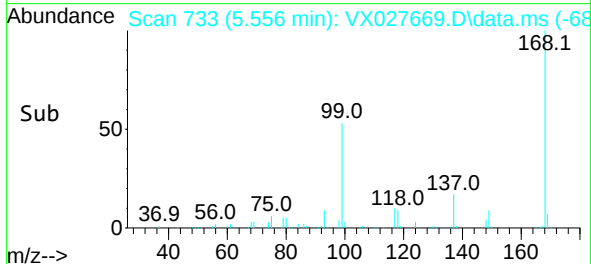
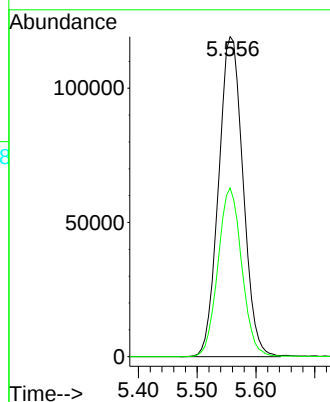
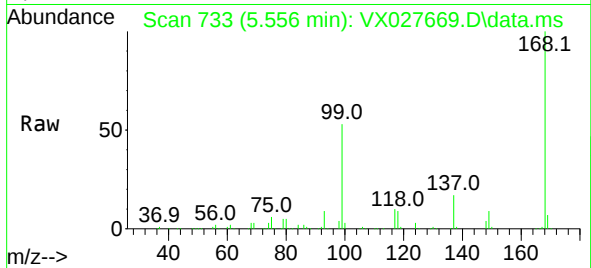




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

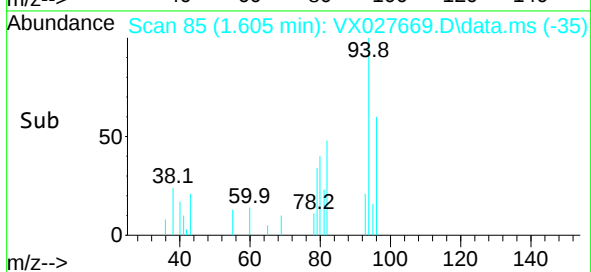
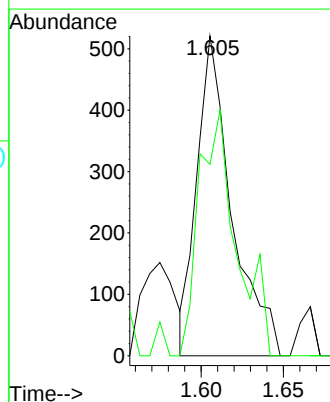
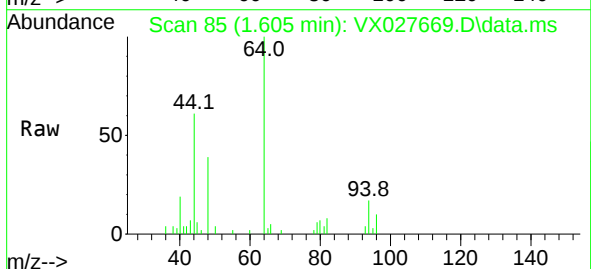
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

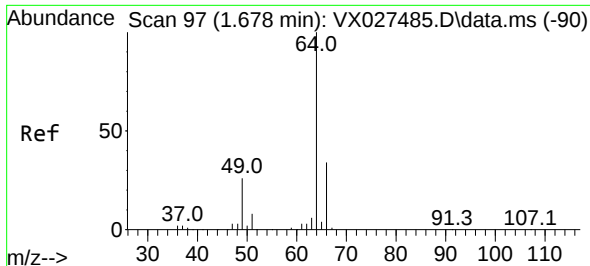
Tgt Ion:168 Resp: 344572
Ion Ratio Lower Upper
168 100
99 52.7 41.7 62.5



#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 85
Delta R.T. 0.006 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 94 Resp: 771
Ion Ratio Lower Upper
94 100
96 59.9 75.3 112.9#

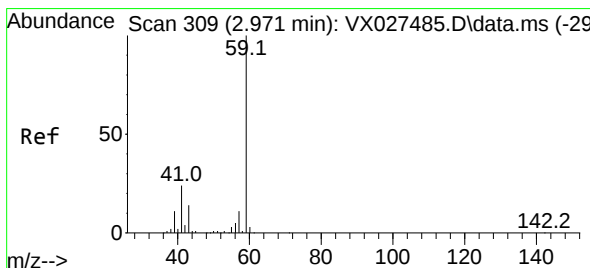
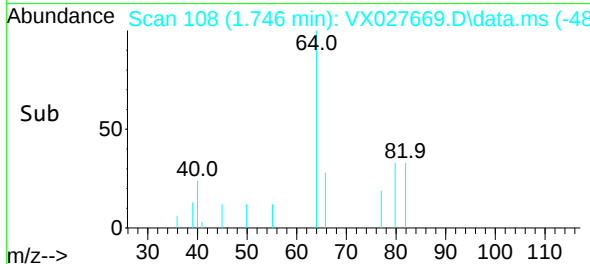
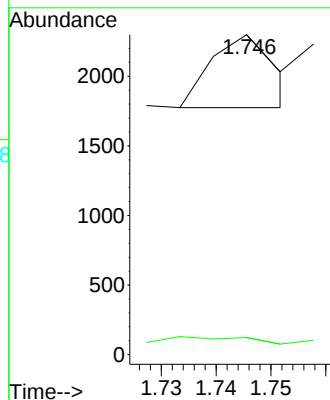
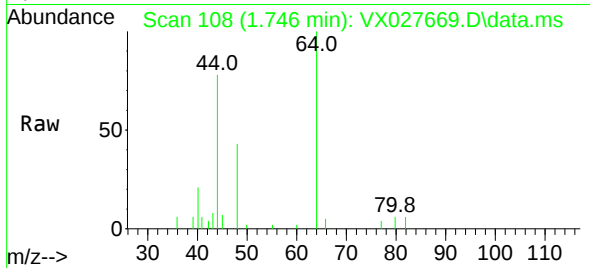




#6
Chloroethane
Concen: 0.202 ug/l
RT: 1.746 min Scan# 108
Delta R.T. 0.067 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

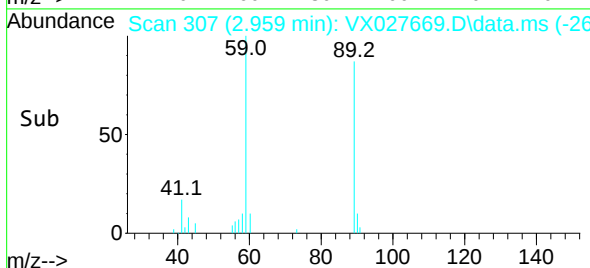
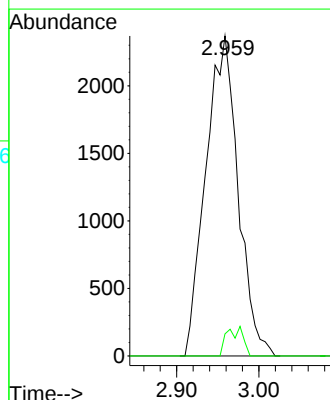
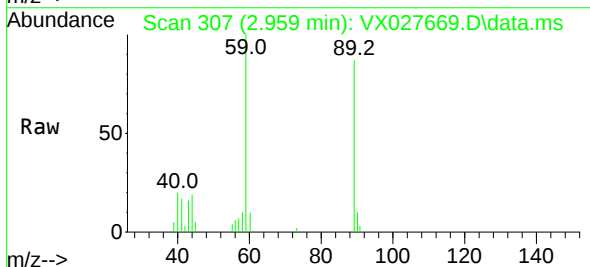
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

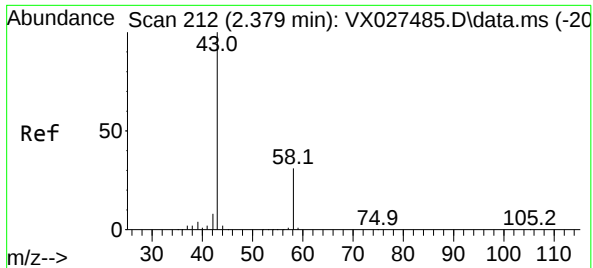
Tgt Ion: 64 Resp: 420
Ion Ratio Lower Upper
64 100
66 9.0 25.3 37.9#



#11
Tert butyl alcohol
Concen: 7.999 ug/l
RT: 2.959 min Scan# 307
Delta R.T. -0.012 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 59 Resp: 6471
Ion Ratio Lower Upper
59 100
57 4.6 8.3 12.5#

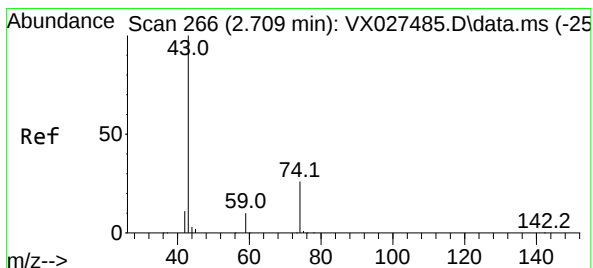
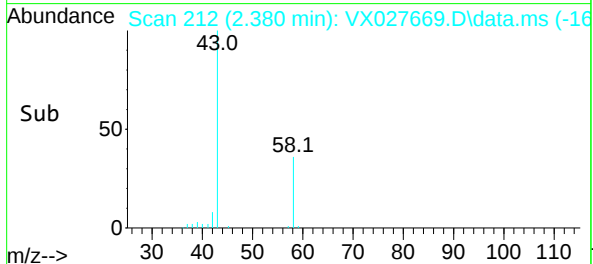
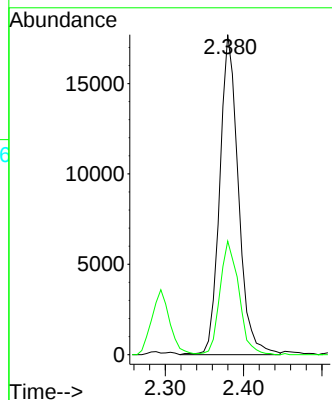
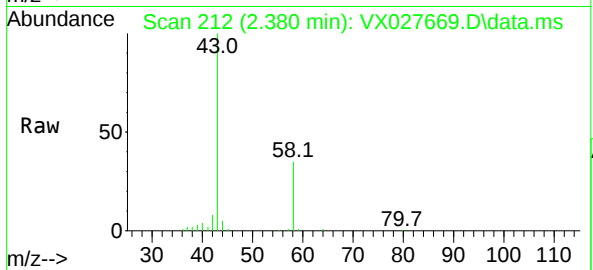




#16
Acetone
Concen: 16.974 ug/l
RT: 2.380 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

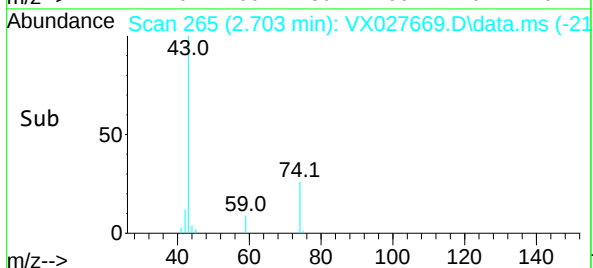
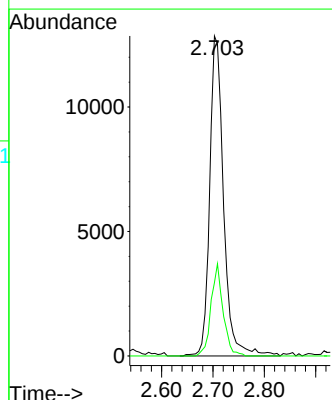
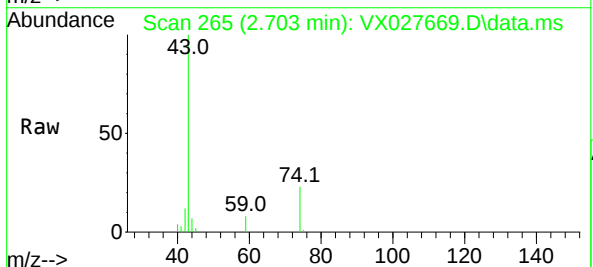
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

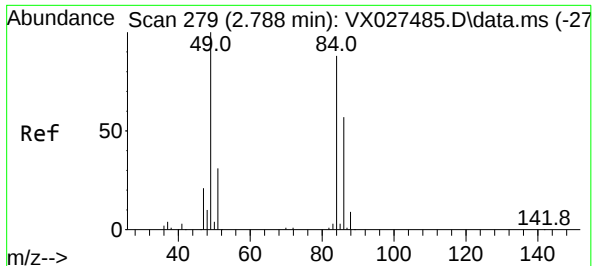
Tgt Ion: 43 Resp: 29368
Ion Ratio Lower Upper
43 100
58 35.5 28.8 43.2



#18
Methyl Acetate
Concen: 5.838 ug/l
RT: 2.703 min Scan# 265
Delta R.T. -0.006 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 43 Resp: 24208
Ion Ratio Lower Upper
43 100
74 24.9 22.8 34.2

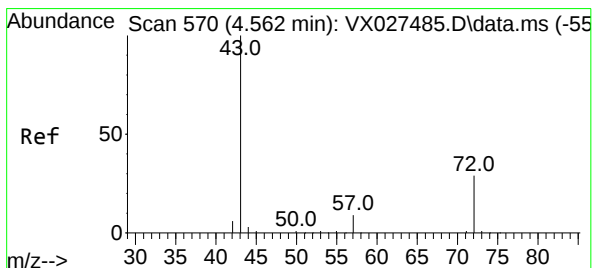
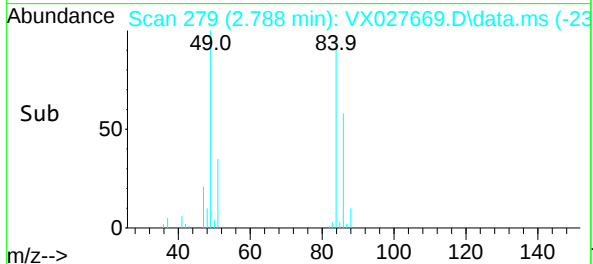
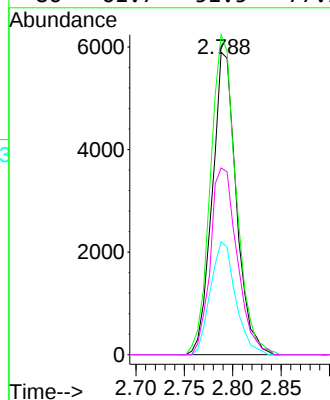
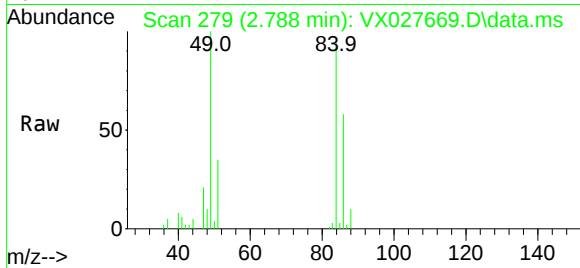




#20
Methylene Chloride
Concen: 2.746 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

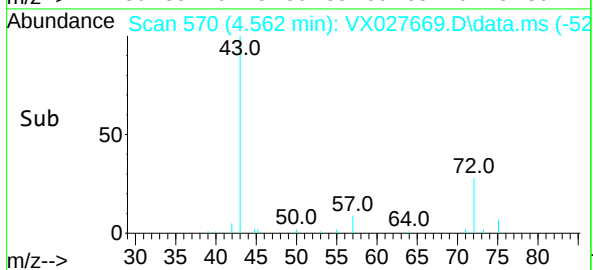
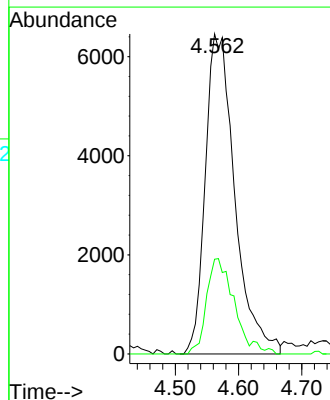
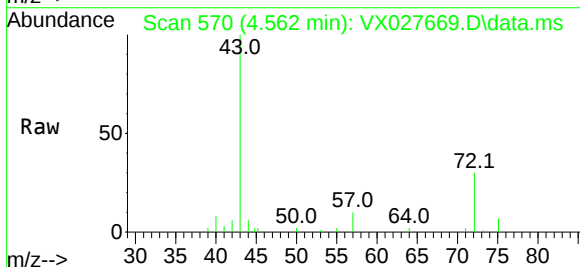
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

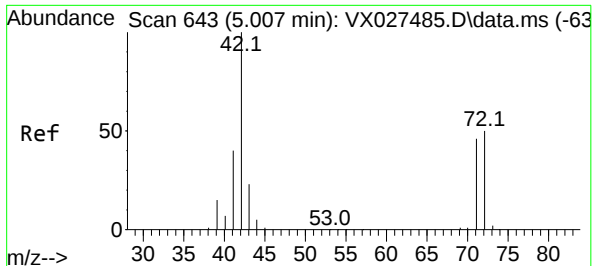
Tgt Ion:	84	Resp:	10216
Ion	Ratio	Lower	Upper
84	100		
49	105.8	85.5	128.3
51	37.4	26.6	39.8
86	61.7	51.5	77.3



#25
2-Butanone
Concen: 8.041 ug/l
RT: 4.562 min Scan# 570
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion:	43	Resp:	20932
Ion	Ratio	Lower	Upper
43	100		
72	29.6	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.578 ug/l

RT: 5.038 min Scan# 64

Delta R.T. 0.031 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

WC-8-9-2

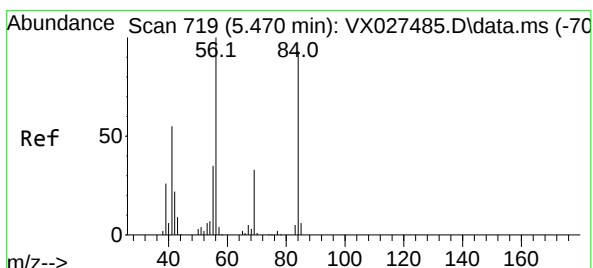
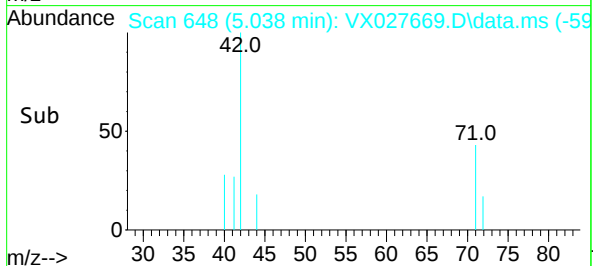
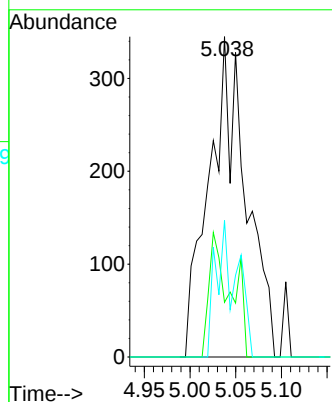
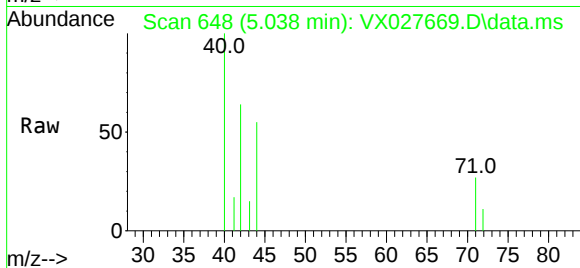
Tgt Ion: 42 Resp: 966

Ion Ratio Lower Upper

42 100

72 22.6 44.1 66.1#

71 24.2 40.5 60.7#



#31

Cyclohexane

Concen: 0.992 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.085 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

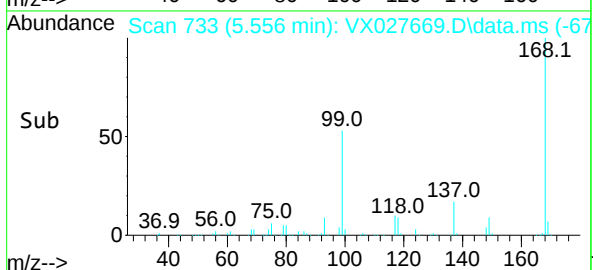
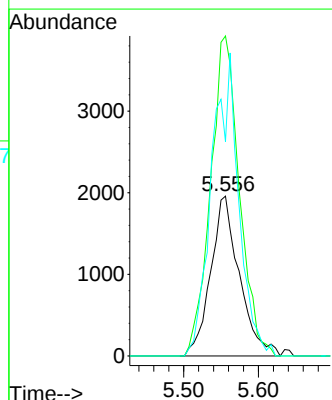
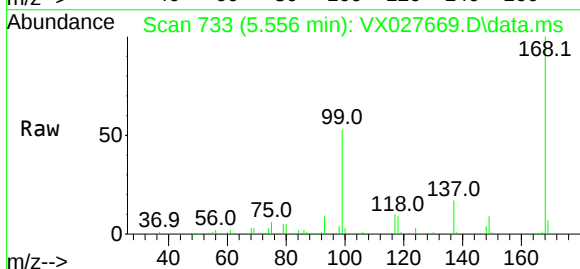
Tgt Ion: 56 Resp: 5231

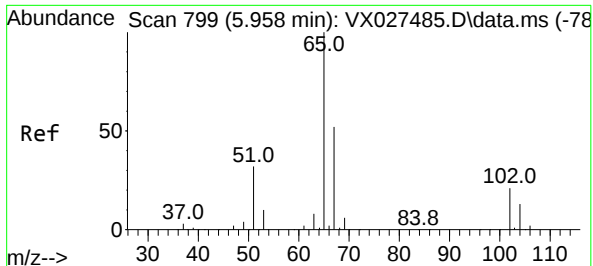
Ion Ratio Lower Upper

56 100

69 200.3 26.7 40.1#

84 134.2 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 45.091 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

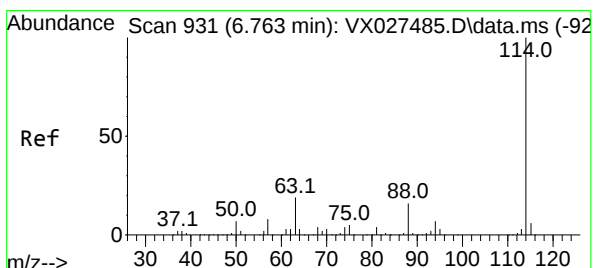
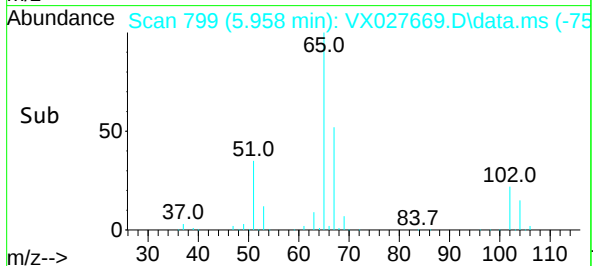
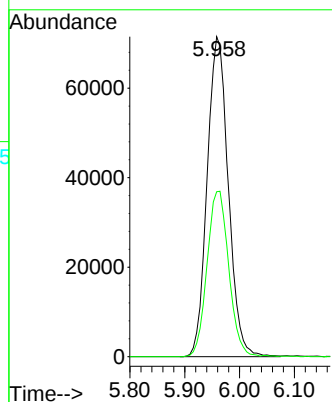
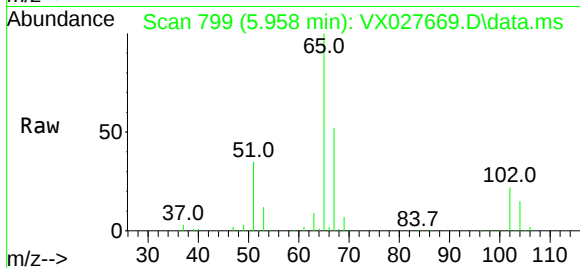
WC-8-9-2

Tgt Ion: 65 Resp: 191402

Ion Ratio Lower Upper

65 100

67 53.2 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: VX027669.D

Acq: 23 Mar 2022 15:50

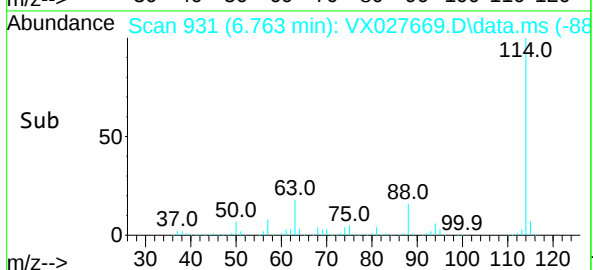
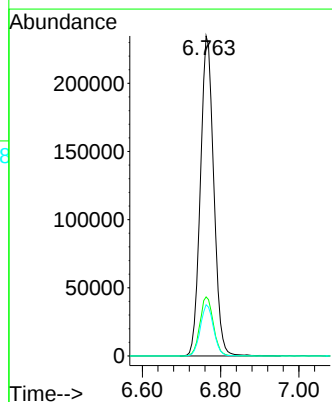
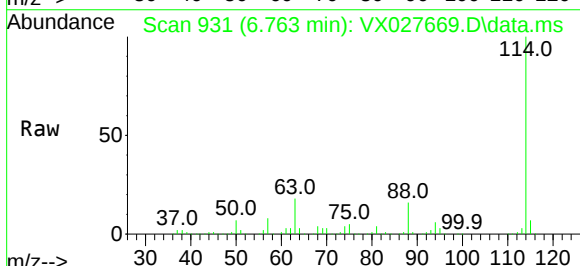
Tgt Ion: 114 Resp: 557038

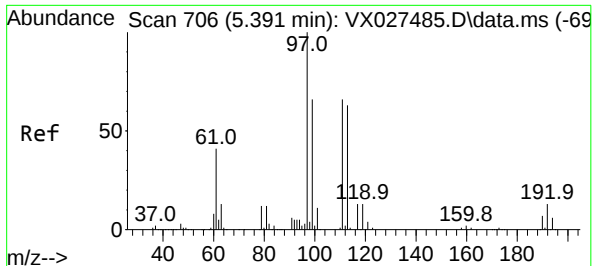
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 16.0 0.0 32.4

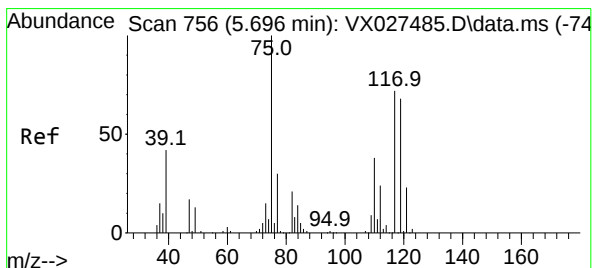
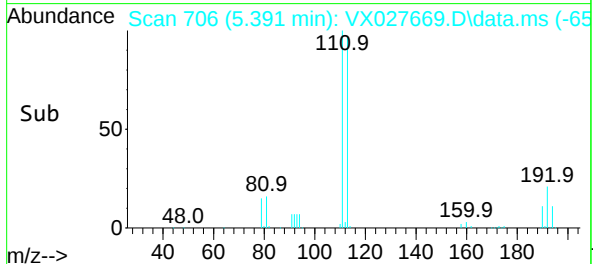
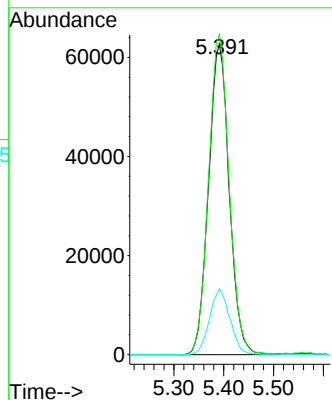
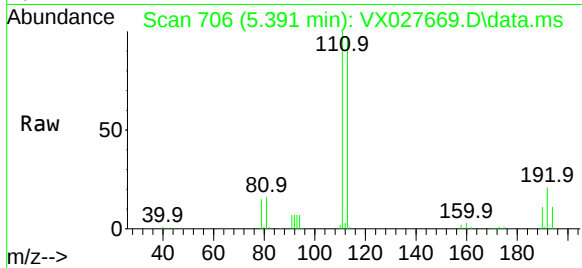




#35
Dibromofluoromethane
Concen: 50.463 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

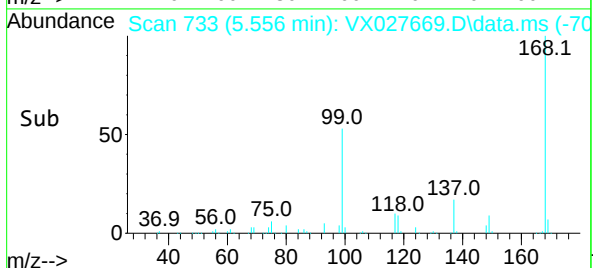
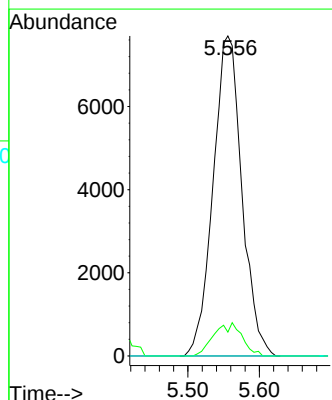
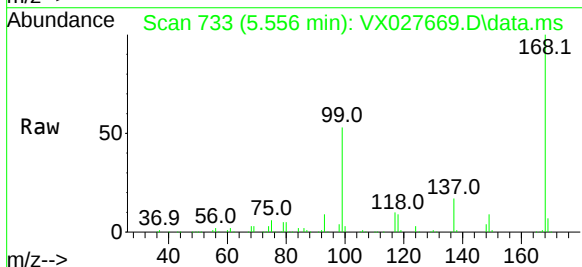
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

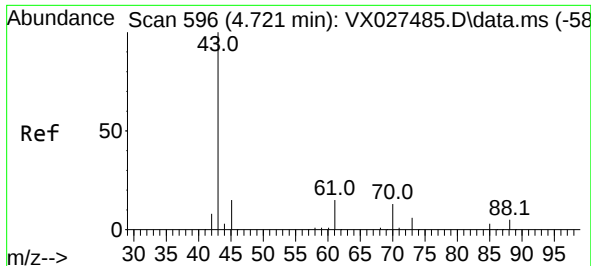
Tgt Ion:113 Resp: 180854
Ion Ratio Lower Upper
113 100
111 102.6 82.8 124.2
192 20.9 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.388 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 75 Resp: 21489
Ion Ratio Lower Upper
75 100
110 5.7 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 4.289 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.158 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

WC-8-9-2

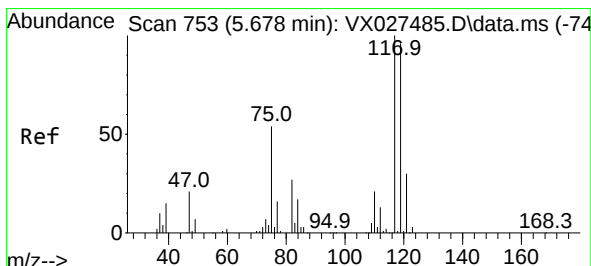
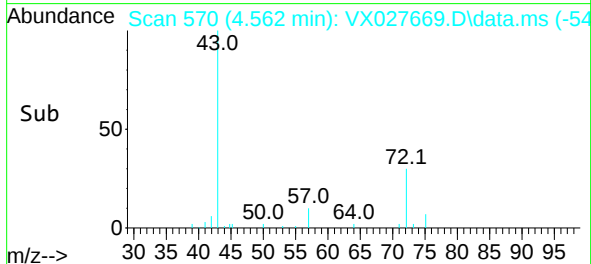
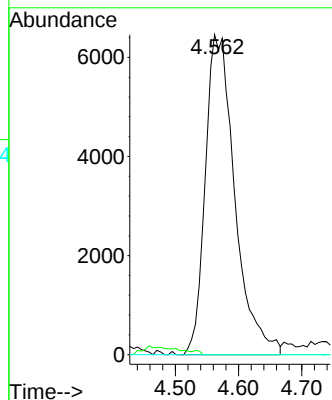
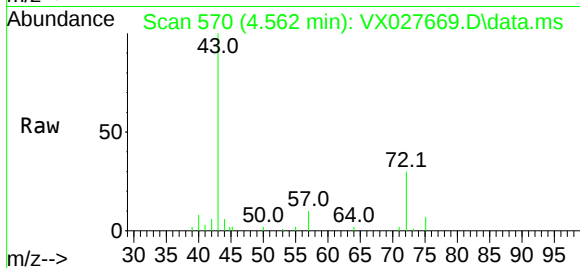
Tgt Ion: 43 Resp: 20932

Ion Ratio Lower Upper

43 100

61 0.0 12.6 19.0#

70 0.0 10.2 15.2#



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 5.556 min Scan# 733

Delta R.T. -0.122 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

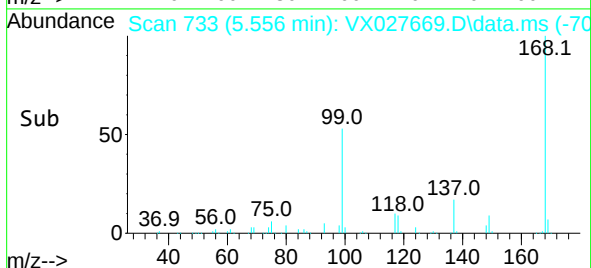
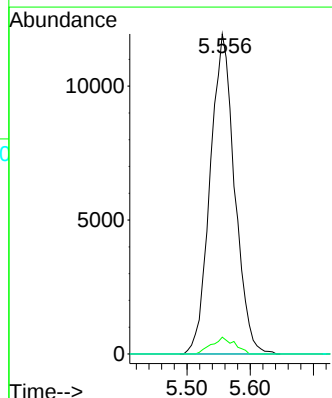
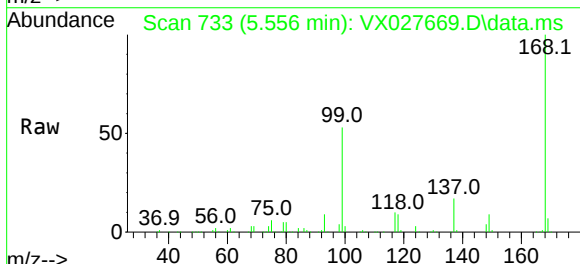
Tgt Ion: 117 Resp: 32159

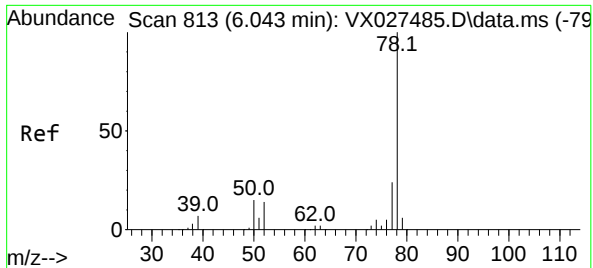
Ion Ratio Lower Upper

117 100

119 5.3 77.3 115.9#

121 0.0 24.2 36.2#

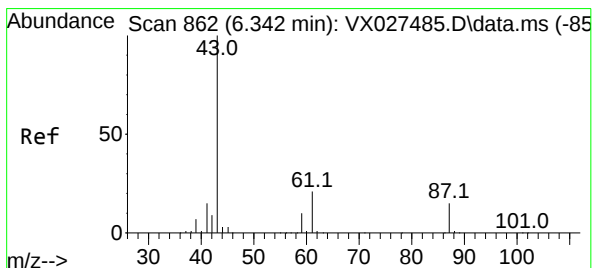
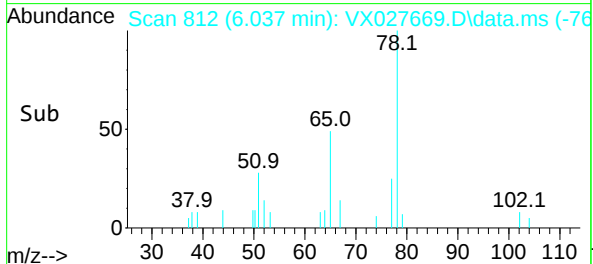
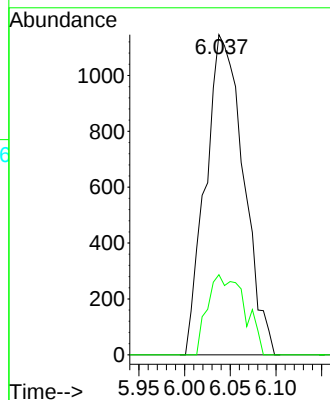
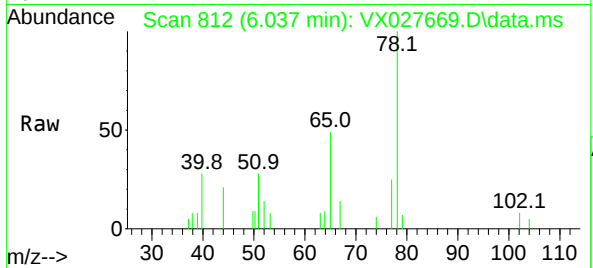




#40
Benzene
Concen: 0.235 ug/l
RT: 6.037 min Scan# 813
Delta R.T. -0.006 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

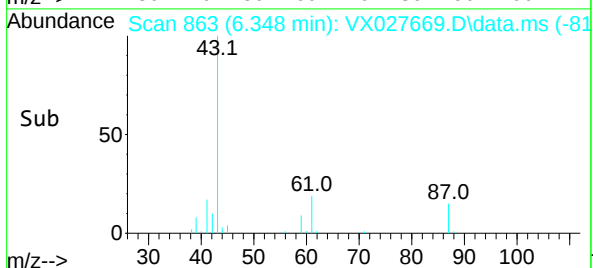
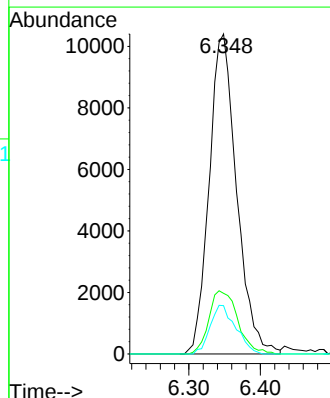
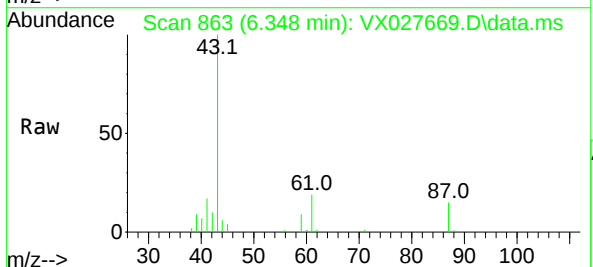
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

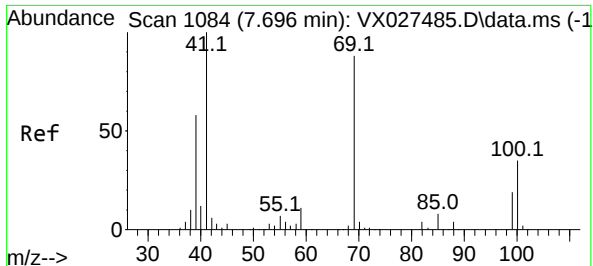
Tgt Ion: 78 Resp: 3300
Ion Ratio Lower Upper
78 100
77 25.0 19.3 28.9



#43
Isopropyl Acetate
Concen: 3.529 ug/l
RT: 6.348 min Scan# 863
Delta R.T. 0.006 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 43 Resp: 27715
Ion Ratio Lower Upper
43 100
61 20.8 18.5 27.7
87 14.2 13.0 19.6





#48

Methyl methacrylate

Concen: 2.280 ug/l

RT: 7.604 min Scan# 1069

Delta R.T. -0.091 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

WC-8-9-2

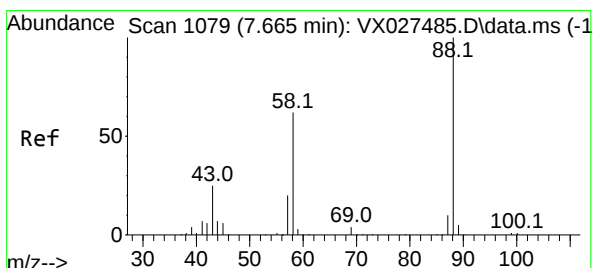
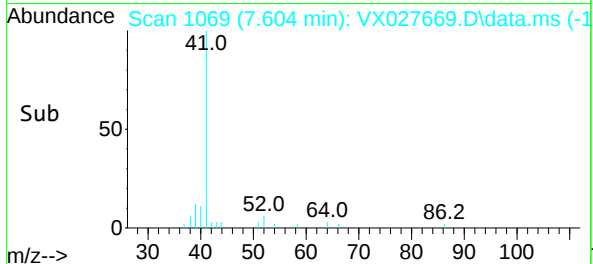
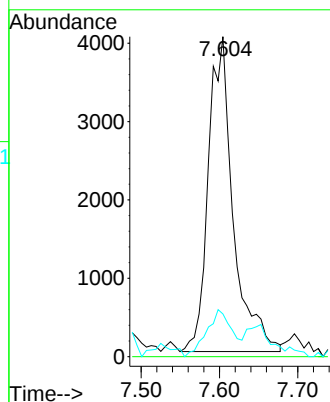
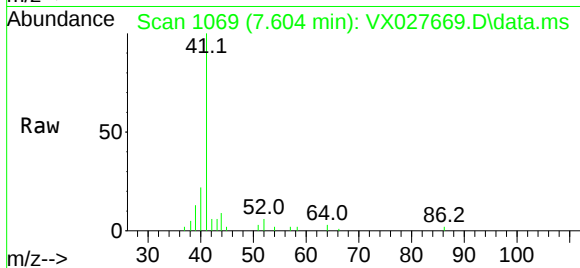
Tgt Ion: 41 Resp: 8862

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: 0.311 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. 0.012 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

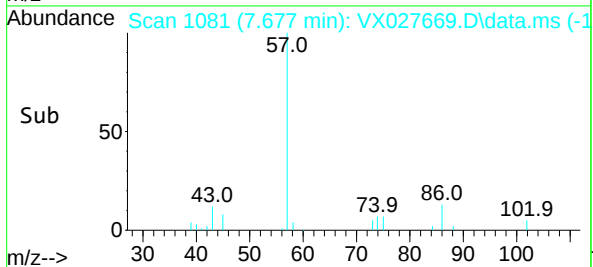
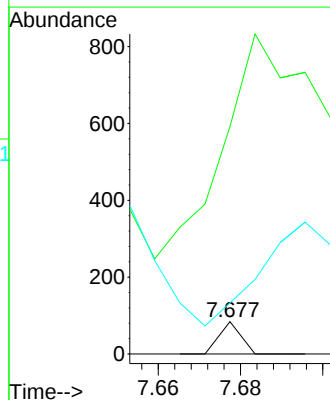
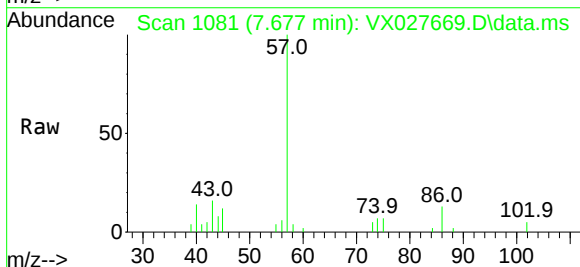
Tgt Ion: 88 Resp: 31

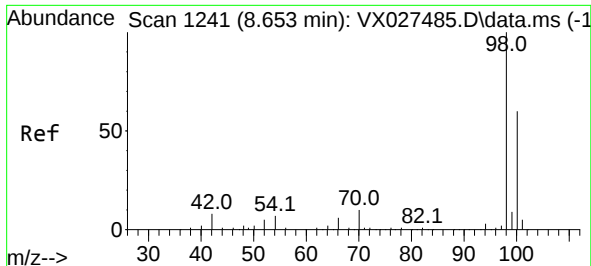
Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 1932.3 53.7 80.5#

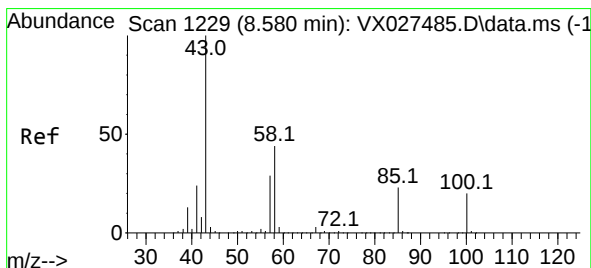
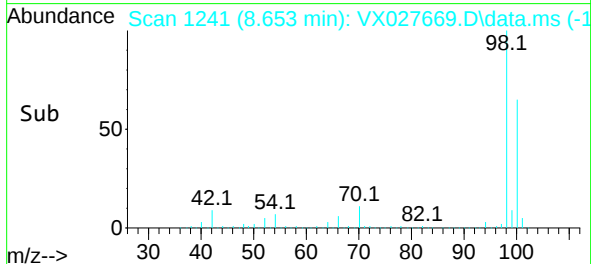
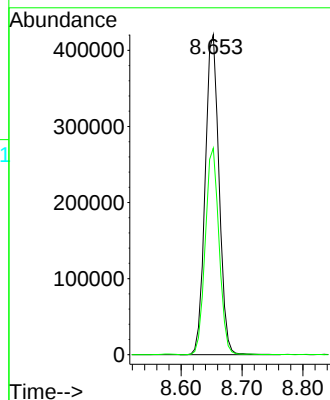
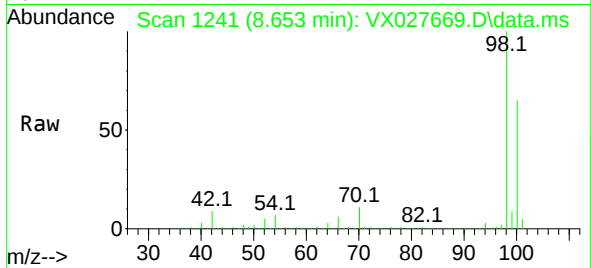




#50
Toluene-d8
Concen: 49.080 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

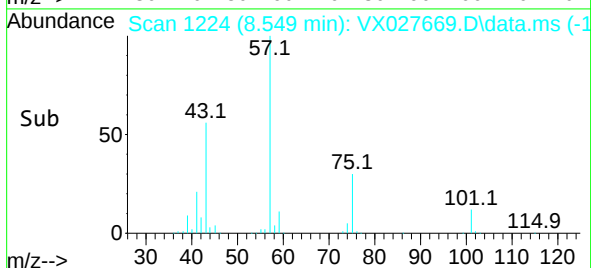
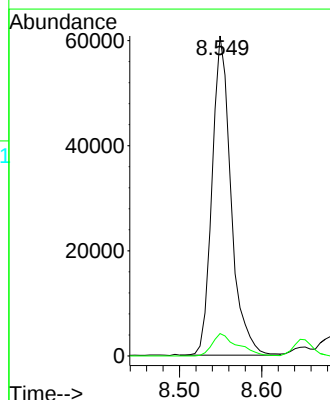
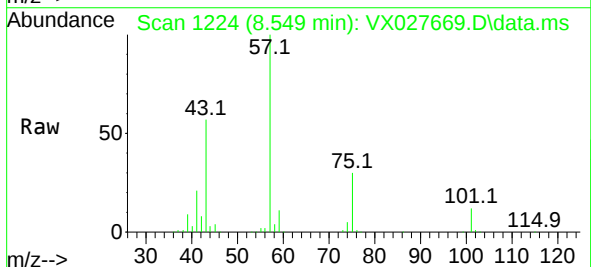
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

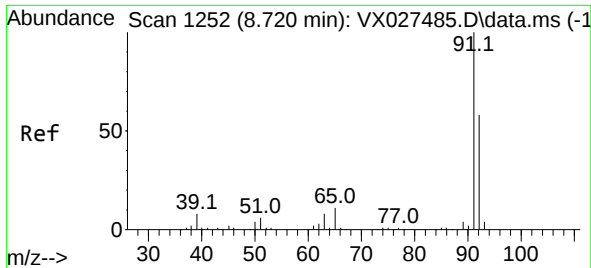
Tgt Ion: 98 Resp: 665609
Ion Ratio Lower Upper
98 100
100 64.2 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 19.395 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 43 Resp: 97242
Ion Ratio Lower Upper
43 100
58 9.3 36.1 54.1#





#52

Toluene

Concen: 0.342 ug/l

RT: 8.720 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

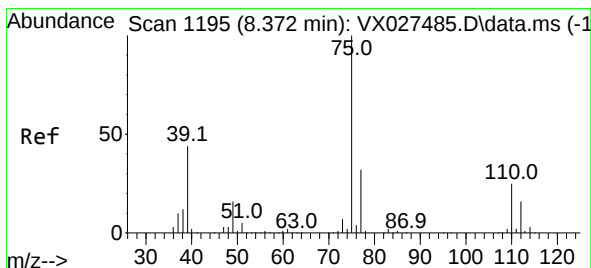
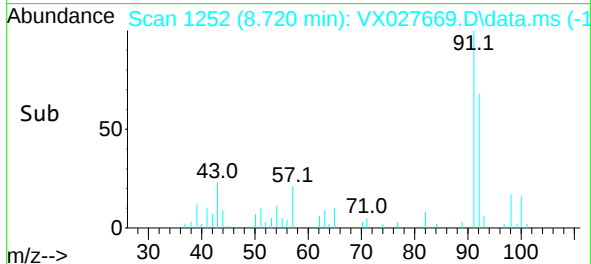
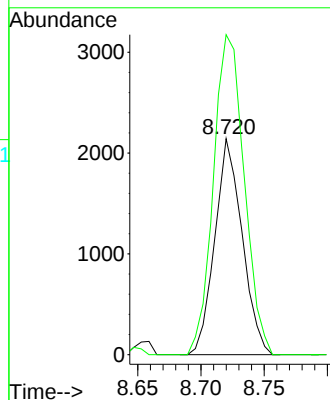
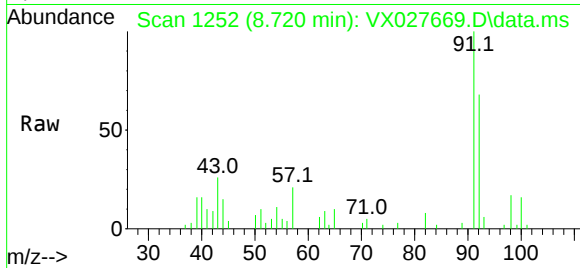
WC-8-9-2

Tgt Ion: 92 Resp: 3220

Ion Ratio Lower Upper

92 100

91 166.7 137.5 206.3



#54

cis-1,3-Dichloropropene

Concen: 8.433 ug/l

RT: 8.549 min Scan# 1224

Delta R.T. 0.177 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

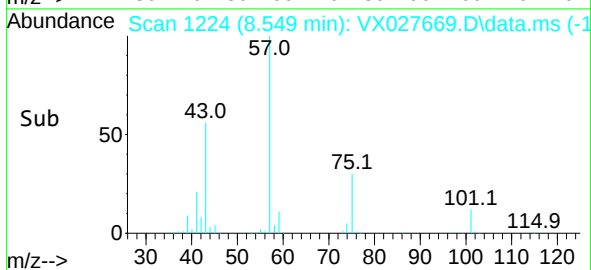
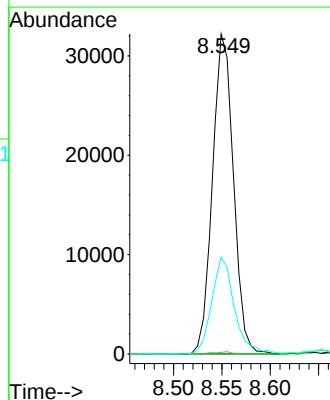
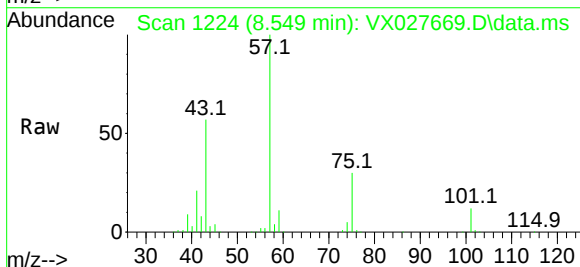
Tgt Ion: 75 Resp: 48488

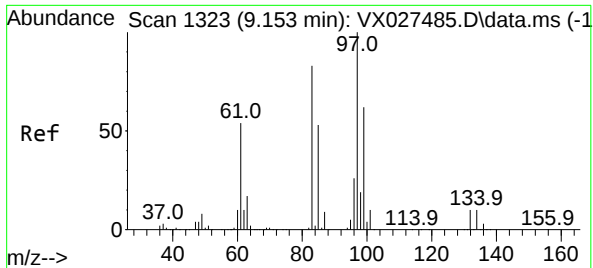
Ion Ratio Lower Upper

75 100

77 0.5 24.8 37.2#

39 30.3 29.6 44.4

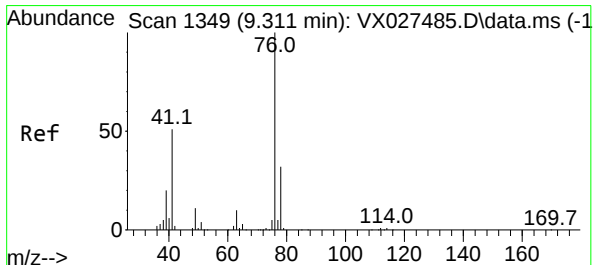
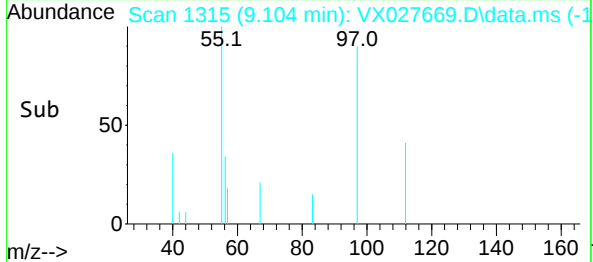
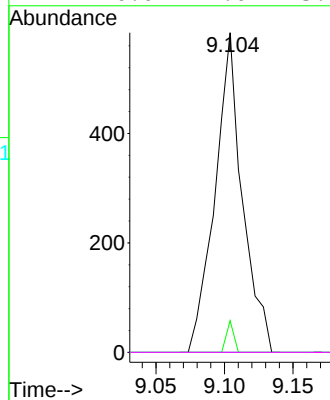
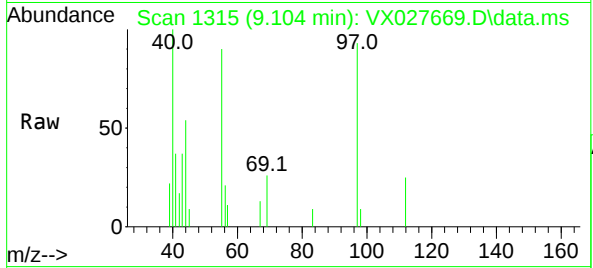




#55
 1,1,2-Trichloroethane
 Concen: 0.212 ug/l
 RT: 9.104 min Scan# 11
 Delta R.T. -0.049 min
 Lab File: VX027669.D
 Acq: 23 Mar 2022 15:50

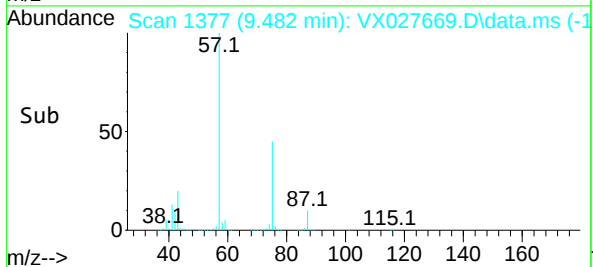
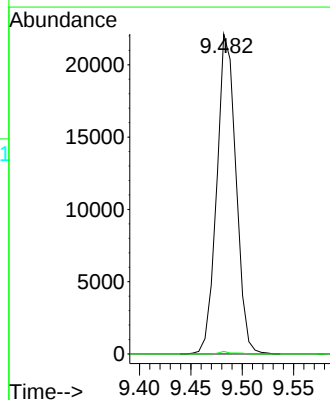
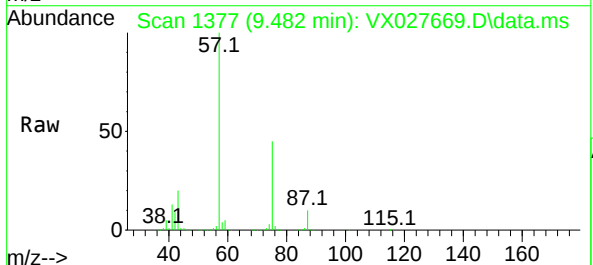
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-8-9-2

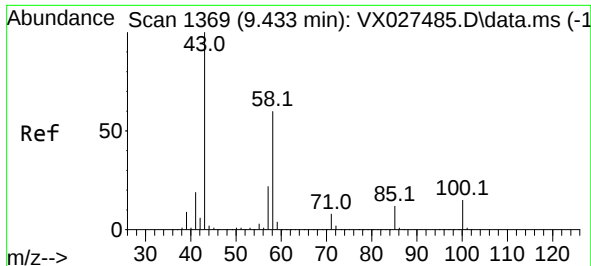
Tgt Ion: 97	Resp: 811
Ion Ratio	Lower Upper
97 100	
83 9.9	66.2 99.4#
85 0.0	42.9 64.3#
99 0.0	49.0 73.6#



#57
 1,3-Dichloropropane
 Concen: 4.609 ug/l
 RT: 9.482 min Scan# 1377
 Delta R.T. 0.171 min
 Lab File: VX027669.D
 Acq: 23 Mar 2022 15:50

Tgt Ion: 76	Resp: 28687
Ion Ratio	Lower Upper
76 100	
78 0.5	25.8 38.8#





#59

2-Hexanone

Concen: 94.574 ug/l

RT: 9.482 min Scan# 1

Delta R.T. 0.049 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

Instrument :

MSVOA_X

ClientSampleId :

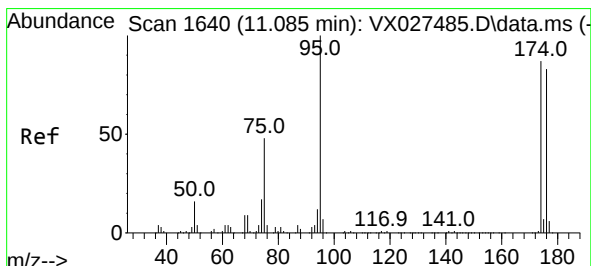
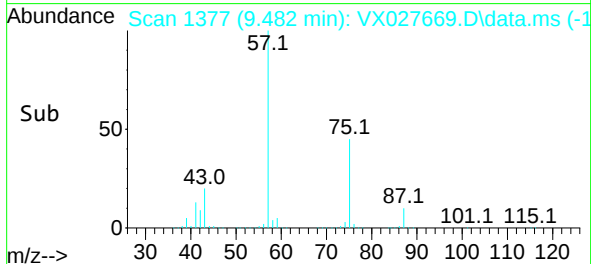
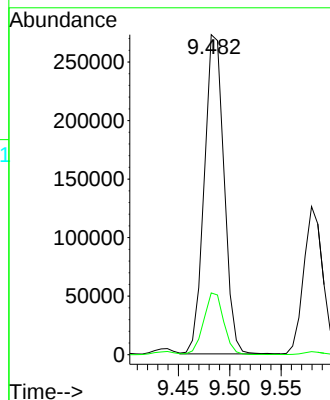
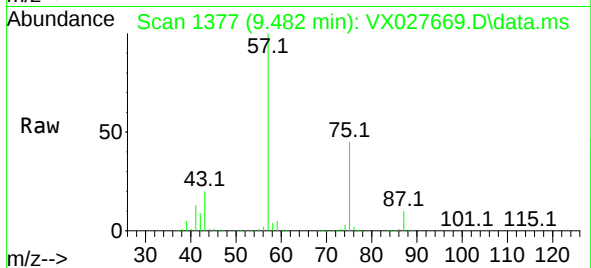
WC-8-9-2

Tgt Ion: 43 Resp: 365201

Ion Ratio Lower Upper

43 100

58 19.6 31.9 95.7#



#62

4-Bromofluorobenzene

Concen: 51.689 ug/l

RT: 11.085 min Scan# 1640

Delta R.T. 0.000 min

Lab File: VX027669.D

Acq: 23 Mar 2022 15:50

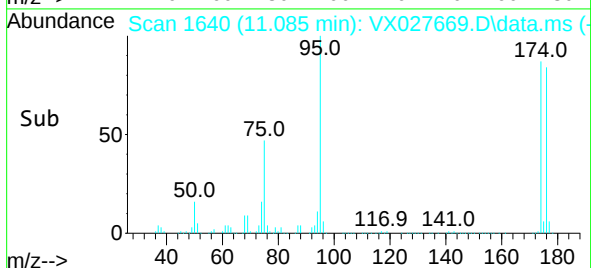
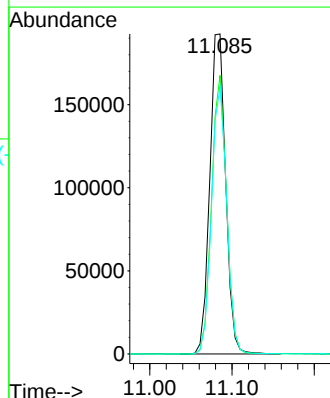
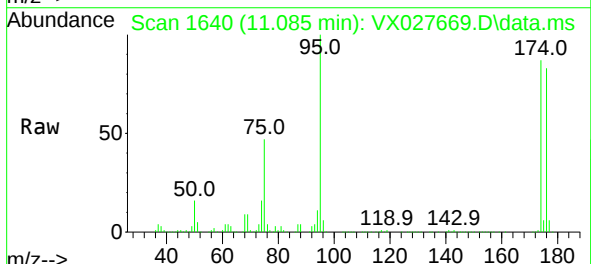
Tgt Ion: 95 Resp: 257656

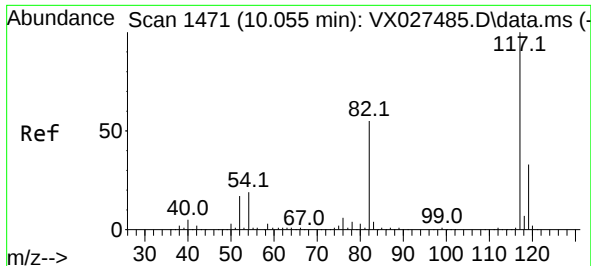
Ion Ratio Lower Upper

95 100

174 82.7 0.0 163.0

176 80.2 0.0 155.0

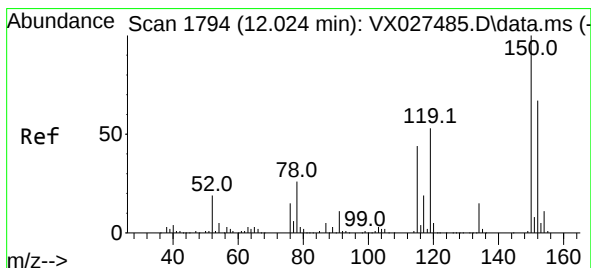
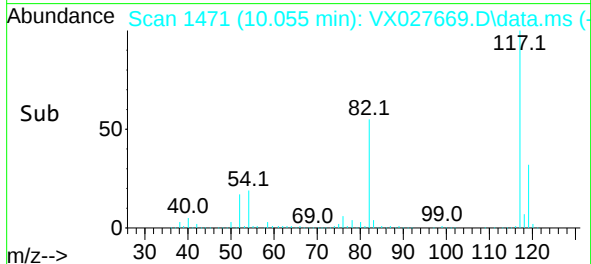
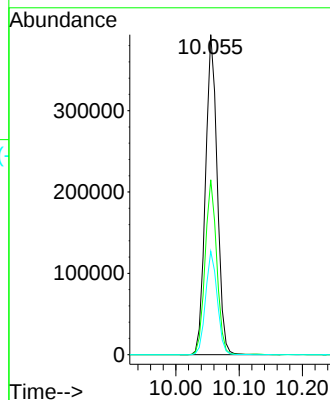
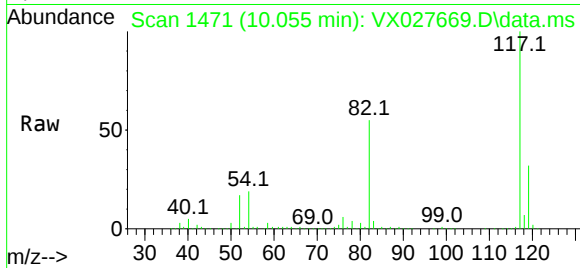




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

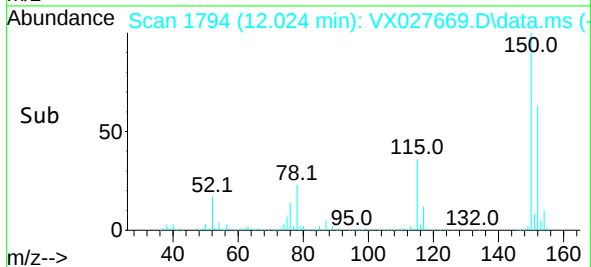
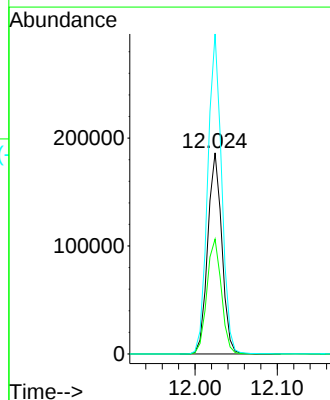
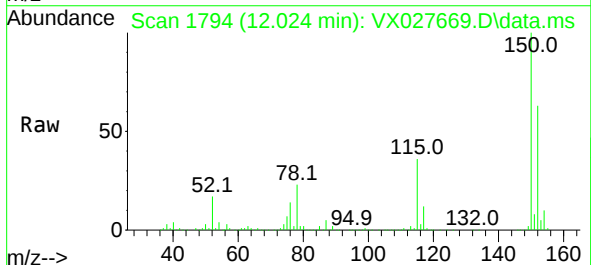
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

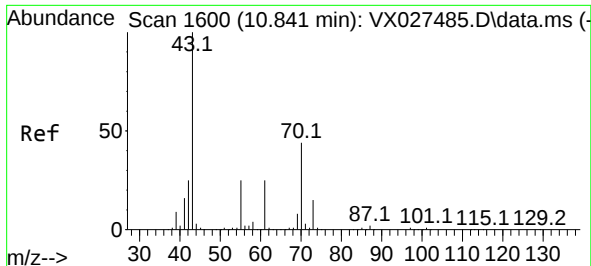
Tgt Ion:117 Resp: 509846
Ion Ratio Lower Upper
117 100
82 54.6 41.8 62.8
119 32.3 24.8 37.2



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion:152 Resp: 221794
Ion Ratio Lower Upper
152 100
115 58.6 37.5 112.7
150 157.5 0.0 338.2

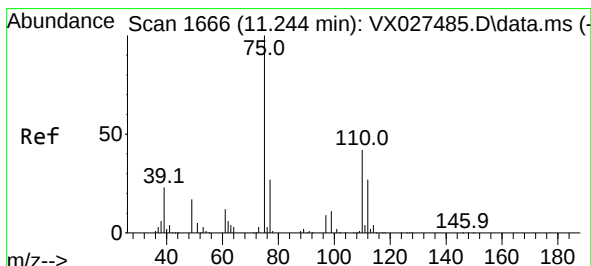
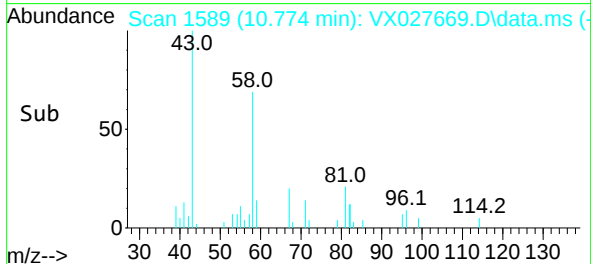
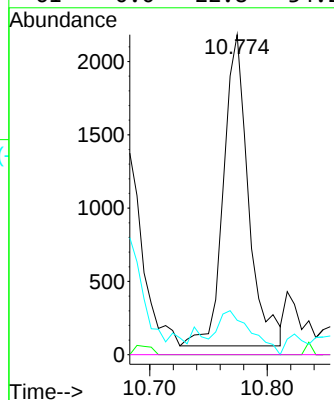
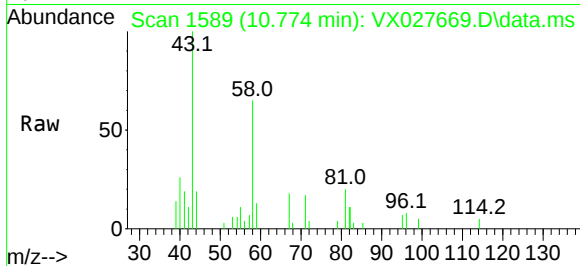




#74
N-amy1 acetate
Concen: 0.546 ug/l
RT: 10.774 min Scan# 1639
Delta R.T. -0.067 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

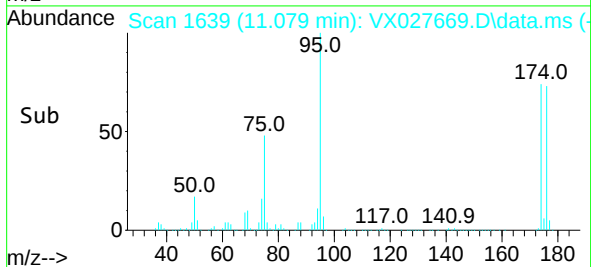
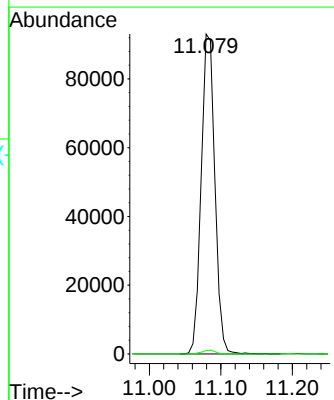
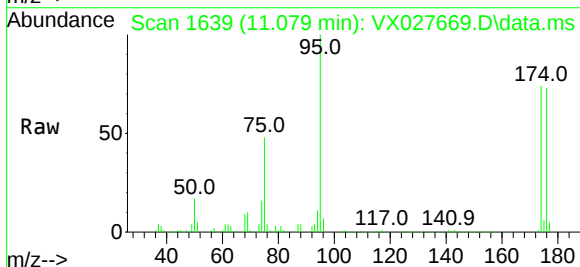
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-2

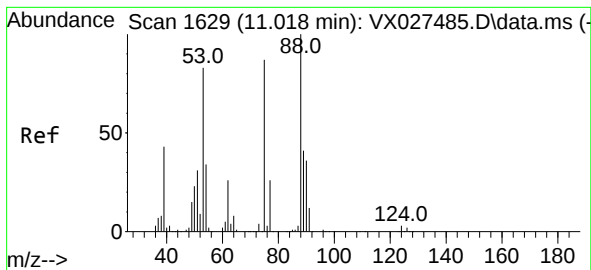
Tgt Ion: 43	Resp:	3128
Ion	Ratio	Lower Upper
43	100	
70	0.0	42.5 63.7#
55	19.0	23.1 34.7#
61	0.0	22.8 34.2#



#76
1,2,3-Trichloropropane
Concen: 26.671 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027669.D
Acq: 23 Mar 2022 15:50

Tgt Ion: 75	Resp:	123731
Ion	Ratio	Lower Upper
75	100	
77	1.2	19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 81.000 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027669.D
 Acq: 23 Mar 2022 15:50

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-8-9-2

Tgt Ion: 75 Resp: 123731
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

