

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX032322\
 Data File : VX027668.D
 Acq On : 23 Mar 2022 15:27
 Operator : JC/MD
 Sample : N1908-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-8-9-3

Quant Time: Mar 23 17:27:44 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)

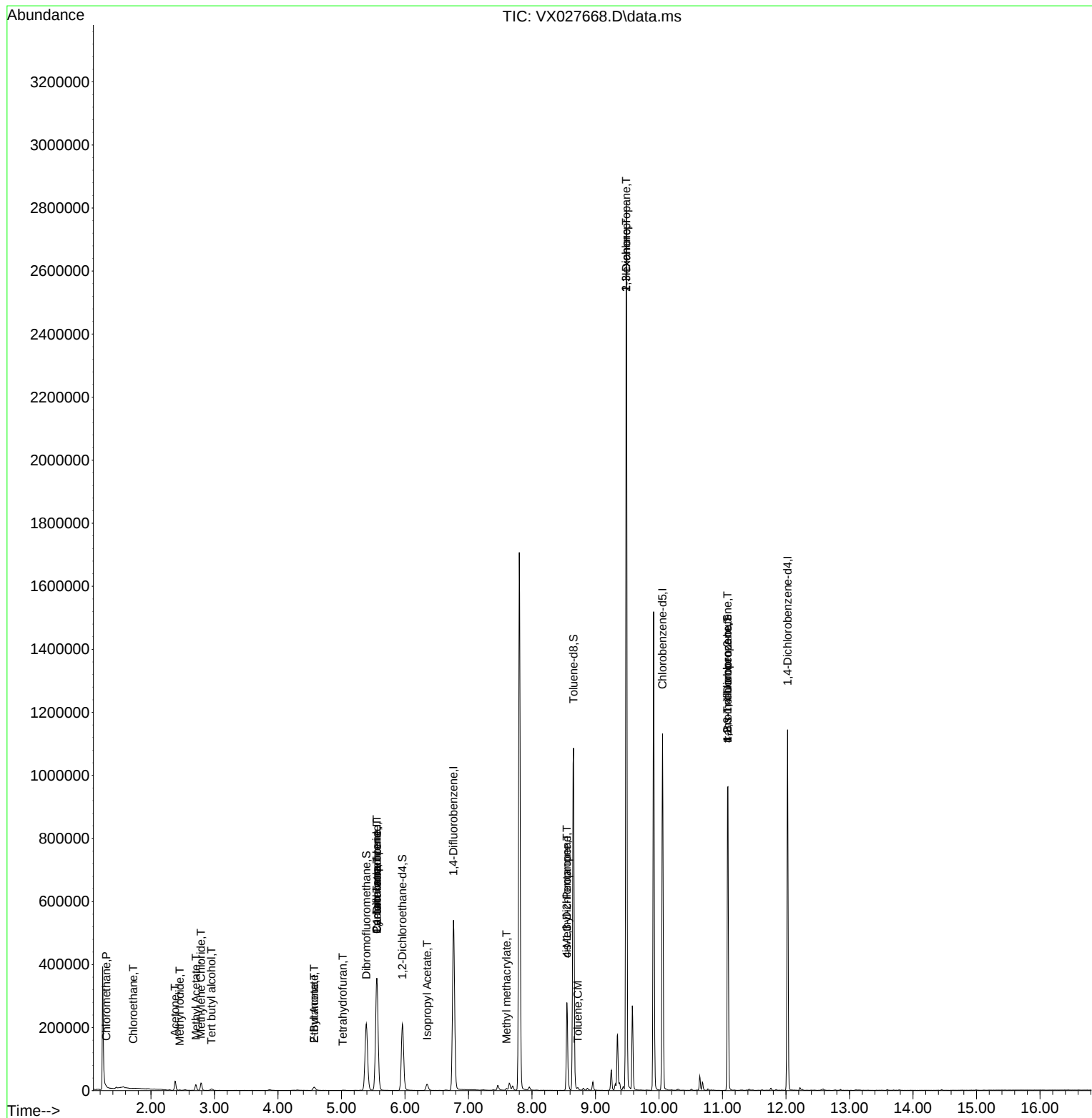
Internal Standards						
1) Pentafluorobenzene	5.556	168	350953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	570213	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	537890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	240054	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	208600	48.249	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.500%
35) Dibromofluoromethane	5.391	113	187618	51.141	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	102.280%
50) Toluene-d8	8.653	98	696802	50.193	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	100.380%
62) 4-Bromofluorobenzene	11.079	95	275483	53.989	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	107.980%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	769	0.257	ug/l #	73
5) Bromomethane	1.605	94	785	Below Cal		83
6) Chloroethane	1.721	64	617	0.291	ug/l #	65
10) Methyl Iodide	2.453	142	1257	0.280	ug/l #	97
11) Tert butyl alcohol	2.953	59	4632	5.622	ug/l #	90
16) Acetone	2.380	43	30564	17.344	ug/l	94
18) Methyl Acetate	2.709	43	21789	5.159	ug/l	94
20) Methylene Chloride	2.788	84	11111	2.933	ug/l	98
25) 2-Butanone	4.568	43	19444	7.334	ug/l	95
29) Tetrahydrofuran	5.019	42	823	0.484	ug/l #	52
31) Cyclohexane	5.556	56	6197	1.154	ug/l #	10
36) 1,1-Dichloropropene	5.556	75	24685	4.924	ug/l #	50
37) Ethyl Acetate	4.568	43	19444	3.892	ug/l #	65
38) Carbon Tetrachloride	5.556	117	35052	6.111	ug/l #	16
43) Isopropyl Acetate	6.349	43	27046	3.364	ug/l	96
48) Methyl methacrylate	7.598	41	8454	2.125	ug/l #	7
51) 4-Methyl-2-Pentanone	8.549	43	87069	16.965	ug/l #	46
52) Toluene	8.720	92	2376	0.247	ug/l	97
54) cis-1,3-Dichloropropene	8.549	75	47117	8.005	ug/l #	66
57) 1,3-Dichloropropane	9.482	76	27373	4.296	ug/l #	42
59) 2-Hexanone	9.482	43	312737	79.117	ug/l #	45
76) 1,2,3-Trichloropropane	11.079	75	125119	24.919	ug/l #	38
81) trans-1,4-Dichloro-2-b...	11.079	75	125119	75.678	ug/l #	15

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

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Quant Title : SW846 8260
QLast Update : Thu Mar 17 15:02:59 2022
Response via : Initial Calibration

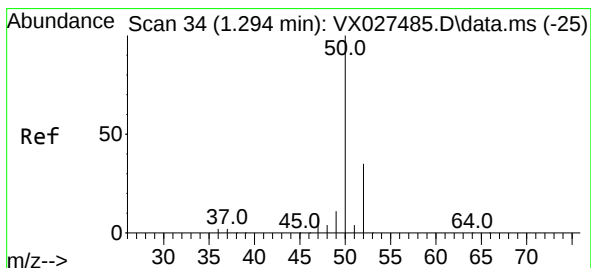
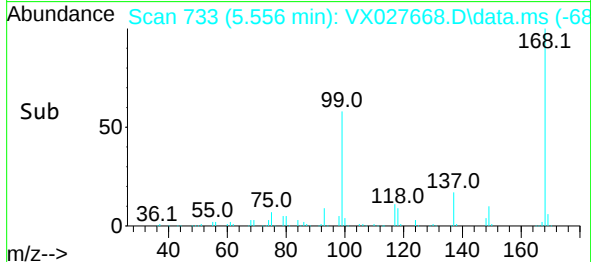
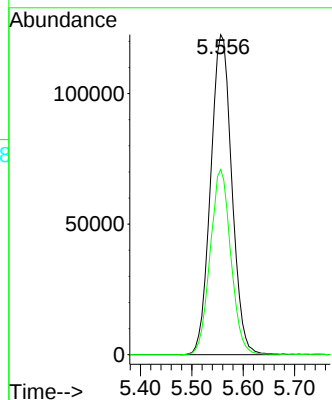
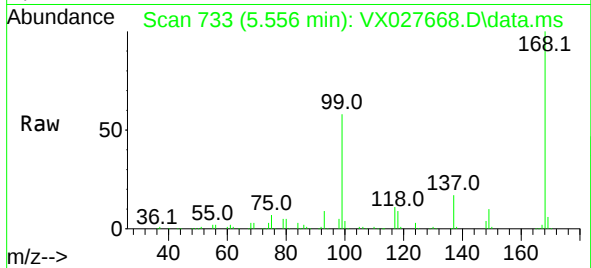




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

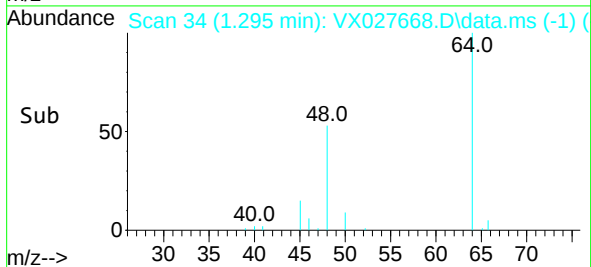
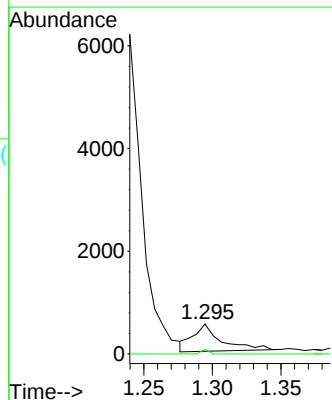
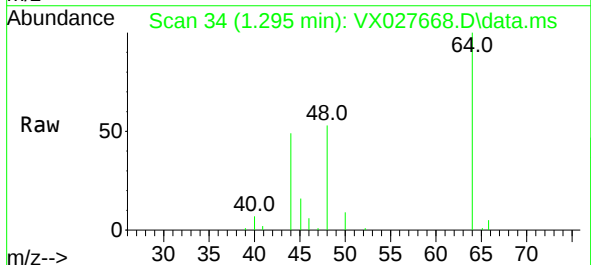
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

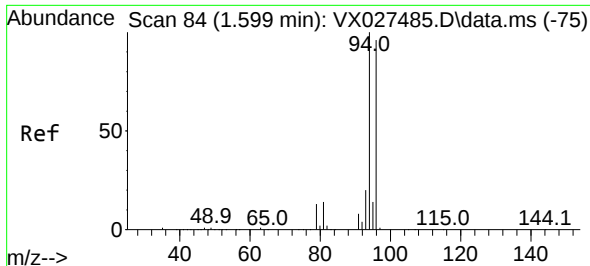
Tgt Ion:168 Resp: 350953
Ion Ratio Lower Upper
168 100
99 57.9 41.7 62.5



#3
Chloromethane
Concen: 0.257 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 50 Resp: 769
Ion Ratio Lower Upper
50 100
52 17.6 26.4 39.6#

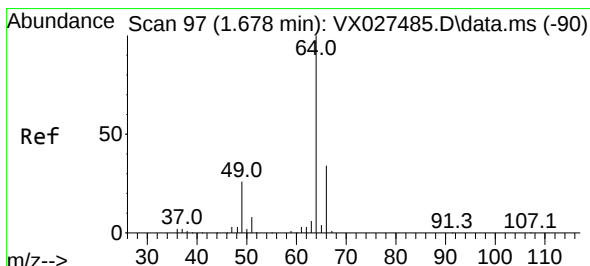
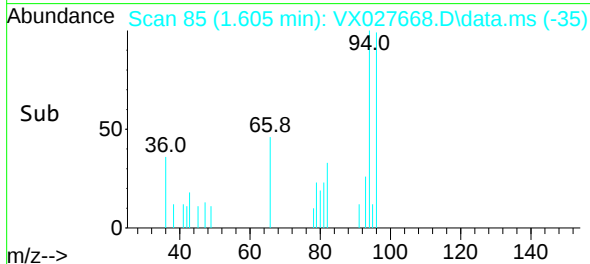
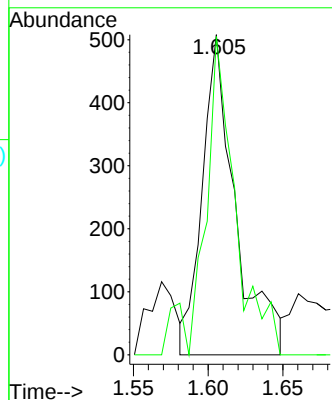
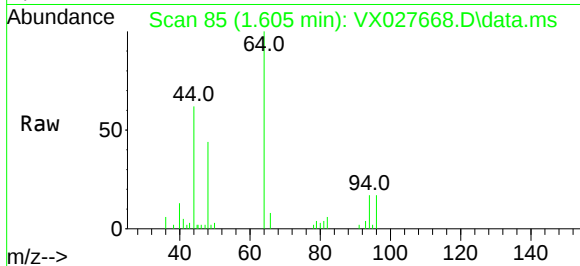




#5
Bromomethane
Concen: Below Cal
RT: 1.605 min Scan# 81
Delta R.T. 0.006 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

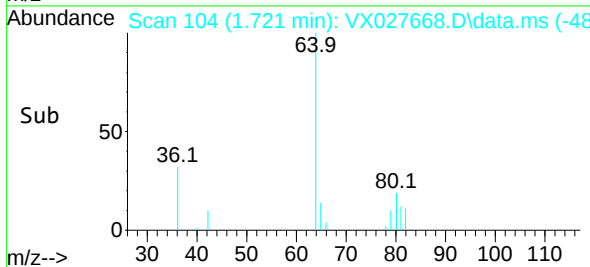
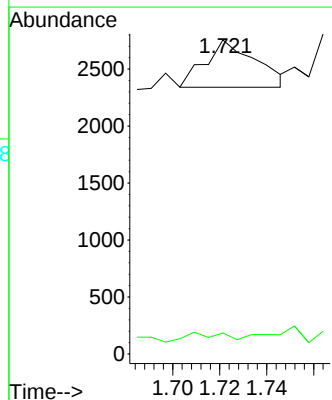
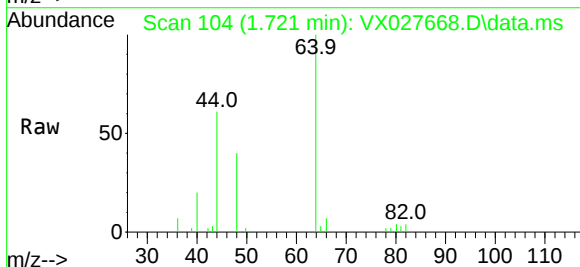
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

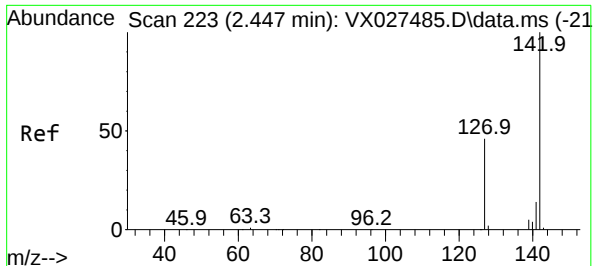
Tgt Ion: 94 Resp: 785
Ion Ratio Lower Upper
94 100
96 110.3 75.3 112.9



#6
Chloroethane
Concen: 0.291 ug/l
RT: 1.721 min Scan# 104
Delta R.T. 0.043 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

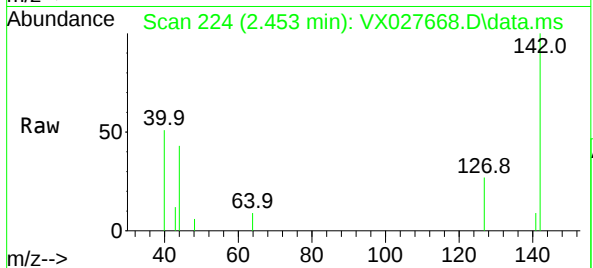
Tgt Ion: 64 Resp: 617
Ion Ratio Lower Upper
64 100
66 12.3 25.3 37.9#



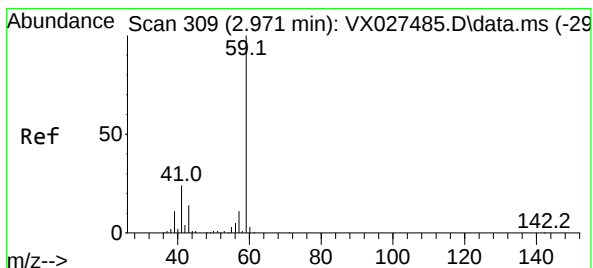
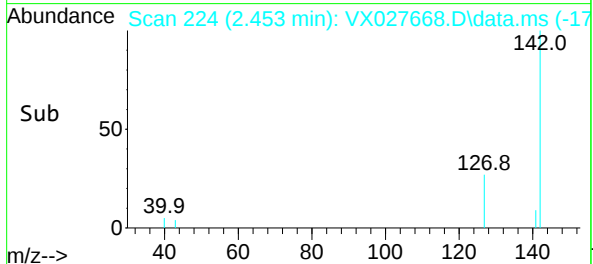
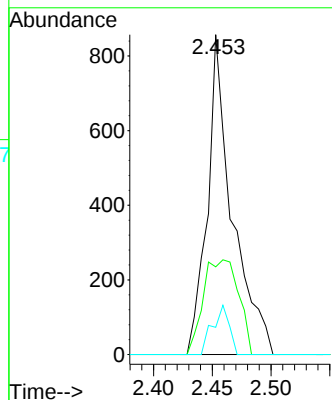


#10
Methyl Iodide
Concen: 0.280 ug/l
RT: 2.453 min Scan# 21
Delta R.T. 0.006 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

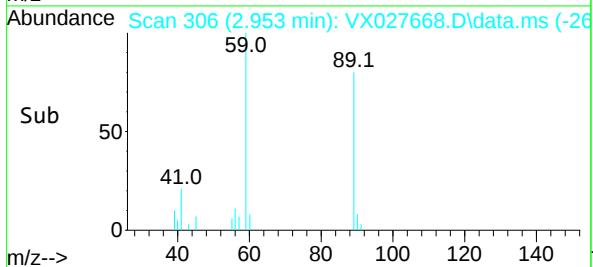
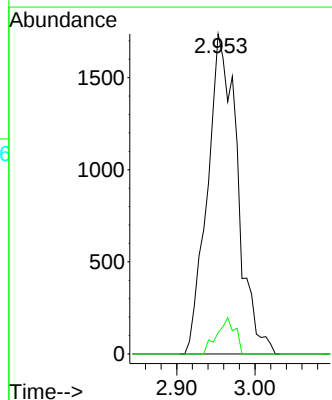
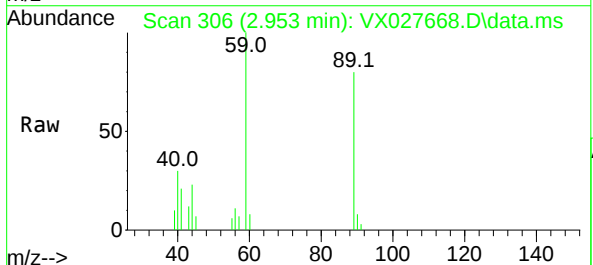


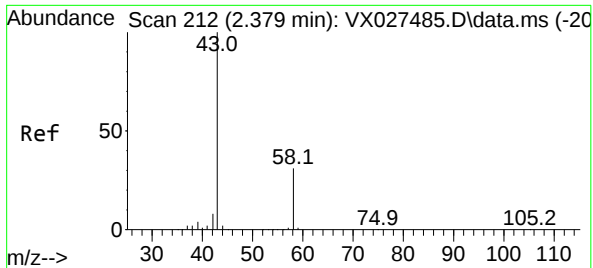
Tgt Ion:142 Resp: 1257
Ion Ratio Lower Upper
142 100
127 42.2 33.9 50.9
141 10.4 11.4 17.2#



#11
Tert butyl alcohol
Concen: 5.622 ug/l
RT: 2.953 min Scan# 306
Delta R.T. -0.018 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 59 Resp: 4632
Ion Ratio Lower Upper
59 100
57 6.8 8.3 12.5#

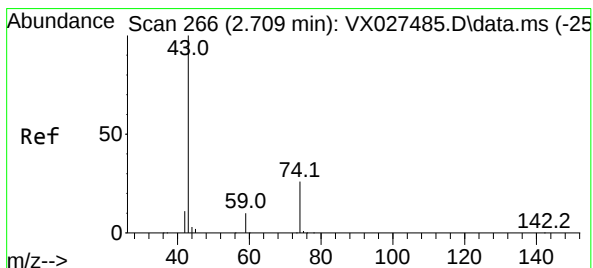
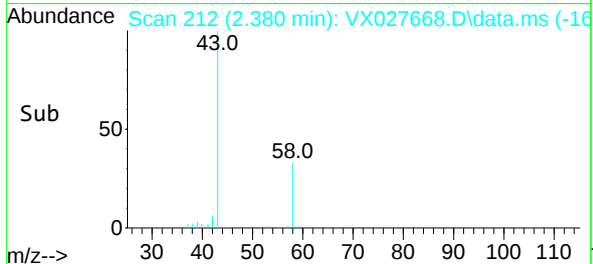
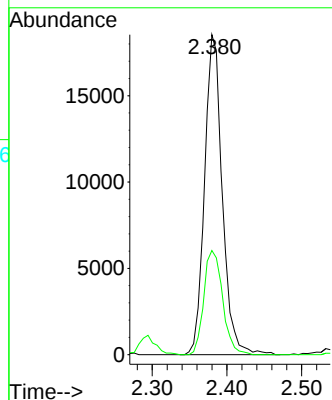
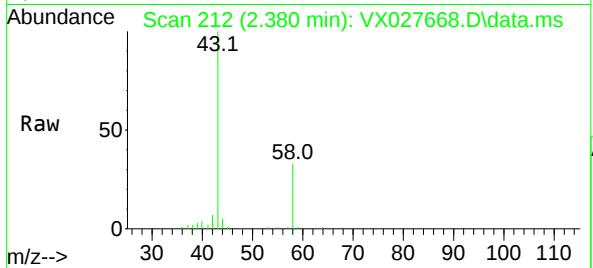




#16
Acetone
Concen: 17.344 ug/l
RT: 2.380 min Scan# 212
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

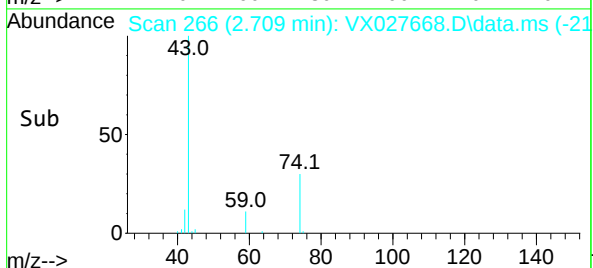
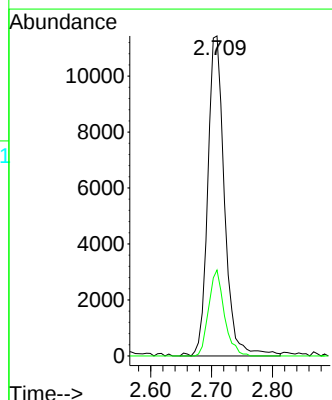
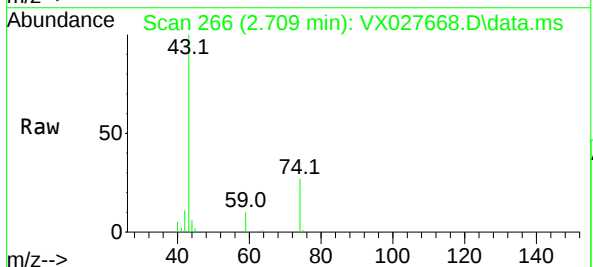
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

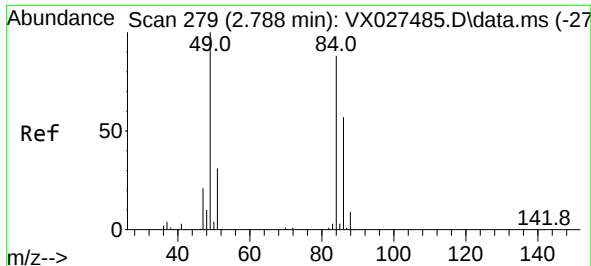
Tgt Ion: 43 Resp: 30564
Ion Ratio Lower Upper
43 100
58 32.5 28.8 43.2



#18
Methyl Acetate
Concen: 5.159 ug/l
RT: 2.709 min Scan# 266
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 43 Resp: 21789
Ion Ratio Lower Upper
43 100
74 25.2 22.8 34.2

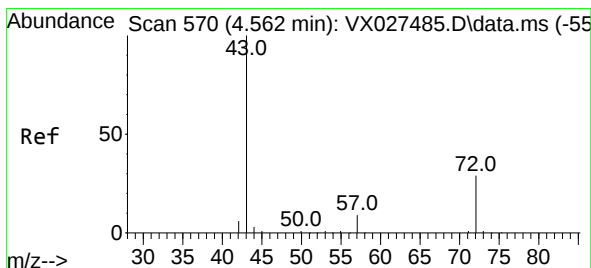
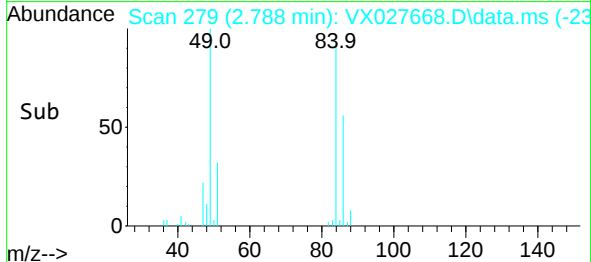
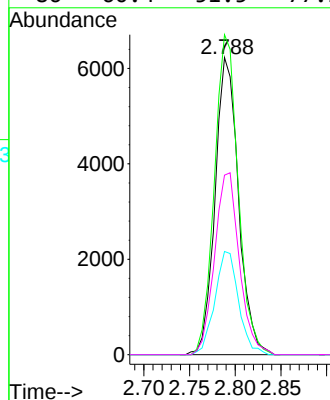
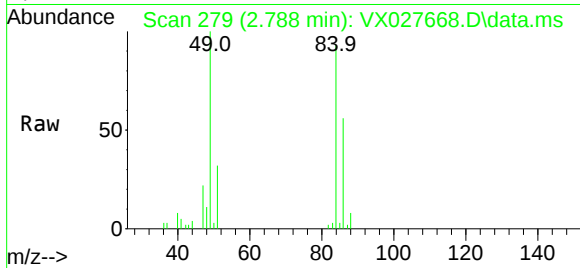




#20
Methylene Chloride
Concen: 2.933 ug/l
RT: 2.788 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

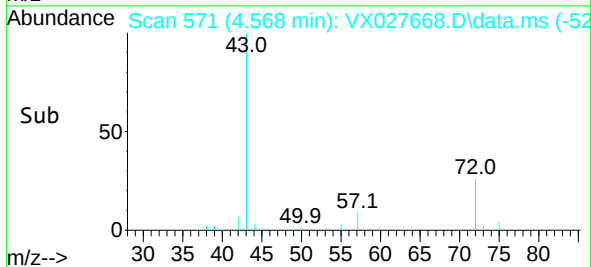
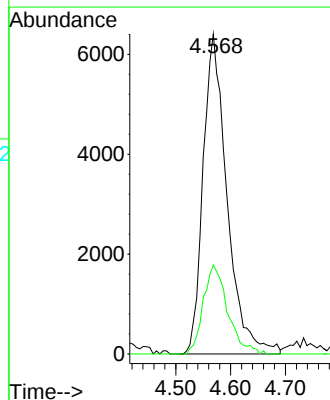
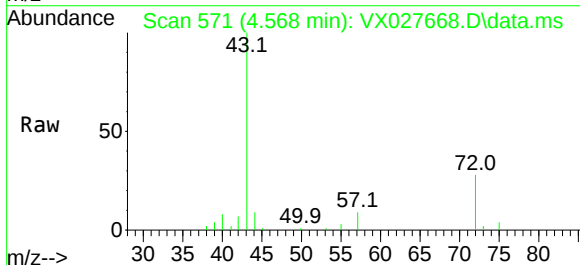
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

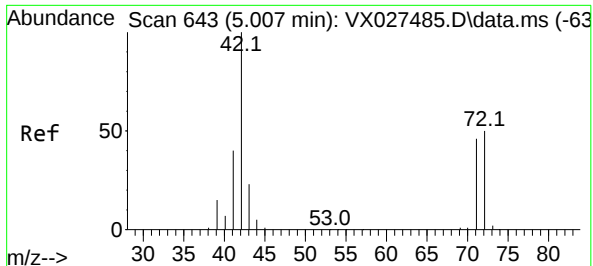
Tgt Ion:	84	Resp:	11111
Ion	Ratio	Lower	Upper
84	100		
49	107.7	85.5	128.3
51	34.7	26.6	39.8
86	60.4	51.5	77.3



#25
2-Butanone
Concen: 7.334 ug/l
RT: 4.568 min Scan# 571
Delta R.T. 0.006 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion:	43	Resp:	19444
Ion	Ratio	Lower	Upper
43	100		
72	27.8	24.4	36.6





#29

Tetrahydrofuran

Concen: 0.484 ug/l

RT: 5.019 min Scan# 64

Delta R.T. 0.012 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

WC-8-9-3

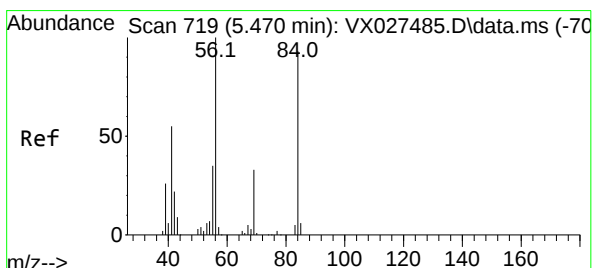
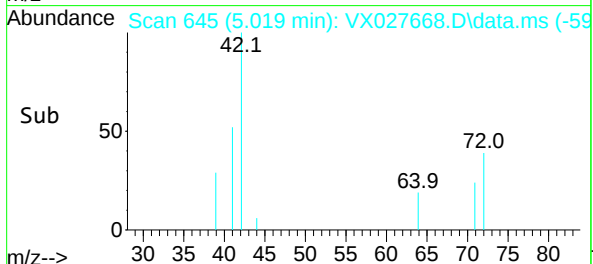
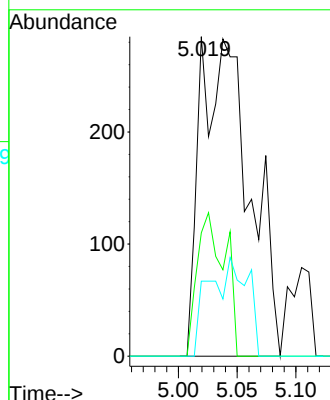
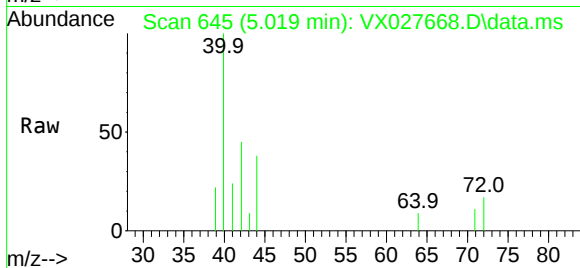
Tgt Ion: 42 Resp: 823

Ion Ratio Lower Upper

42 100

72 25.6 44.1 66.1#

71 11.2 40.5 60.7#



#31

Cyclohexane

Concen: 1.154 ug/l

RT: 5.556 min Scan# 733

Delta R.T. 0.086 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

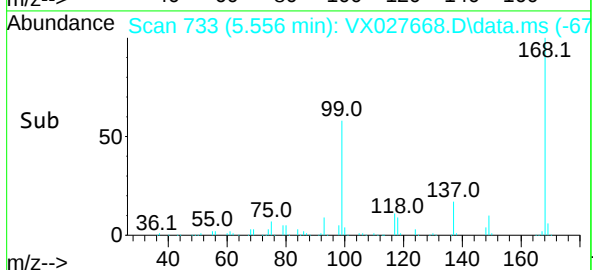
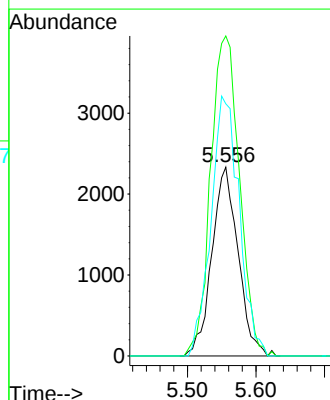
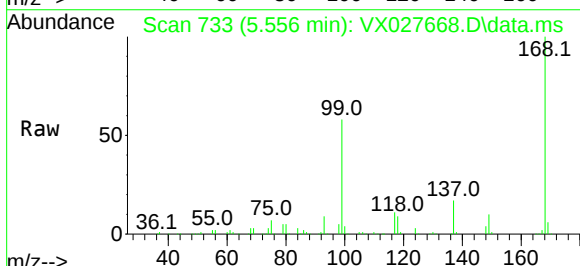
Tgt Ion: 56 Resp: 6197

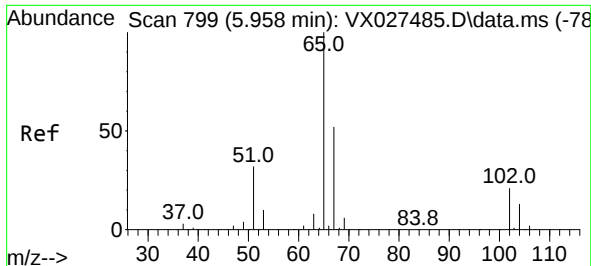
Ion Ratio Lower Upper

56 100

69 169.5 26.7 40.1#

84 133.6 77.2 115.8#





#33

1,2-Dichloroethane-d4

Concen: 48.249 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

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MSVOA_X

ClientSampleId :

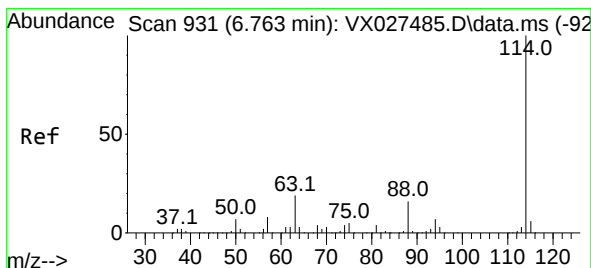
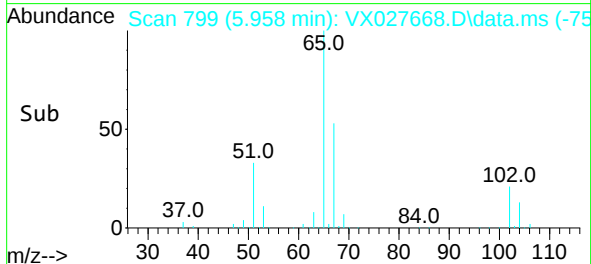
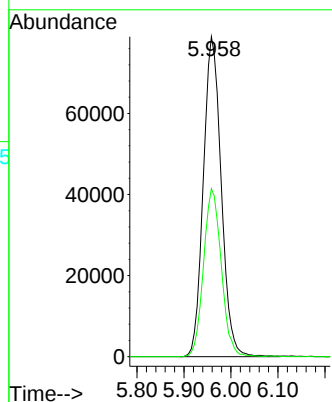
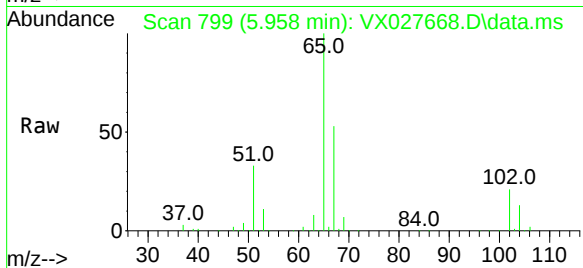
WC-8-9-3

Tgt Ion: 65 Resp: 208600

Ion Ratio Lower Upper

65 100

67 52.1 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: VX027668.D

Acq: 23 Mar 2022 15:27

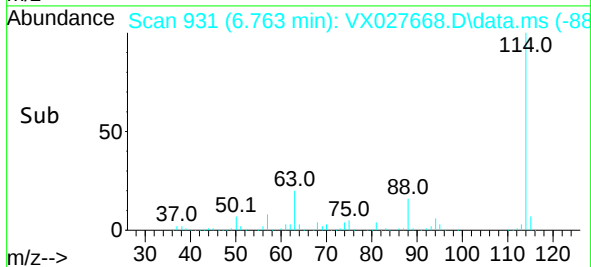
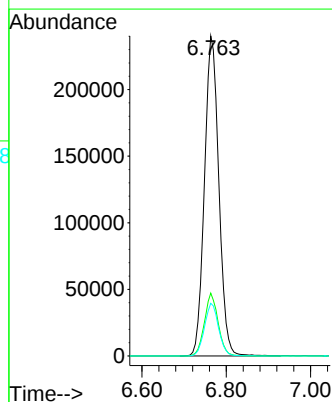
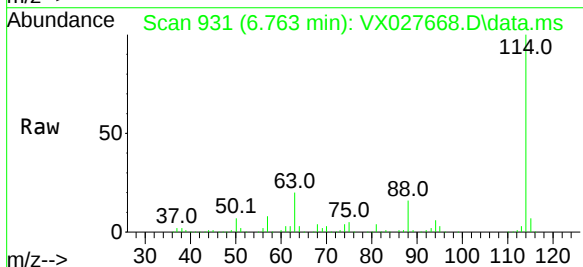
Tgt Ion: 114 Resp: 570213

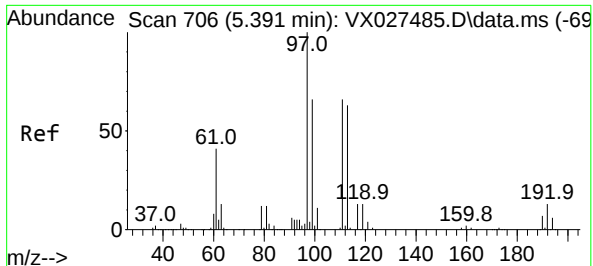
Ion Ratio Lower Upper

114 100

63 19.7 0.0 36.8

88 16.5 0.0 32.4

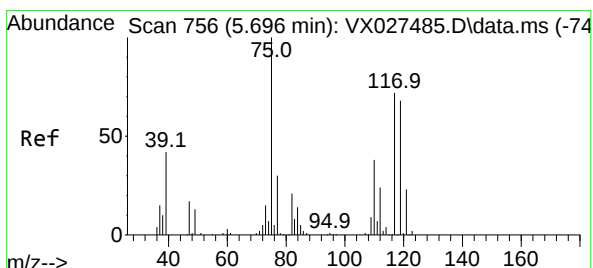
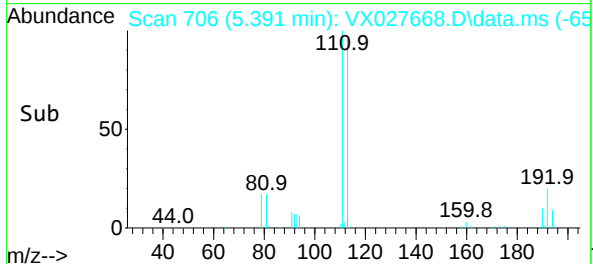
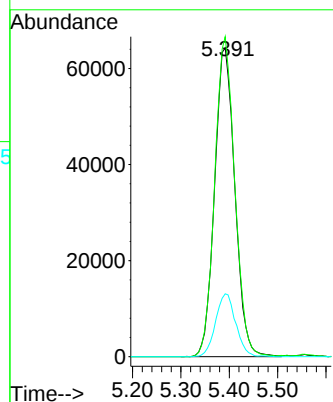
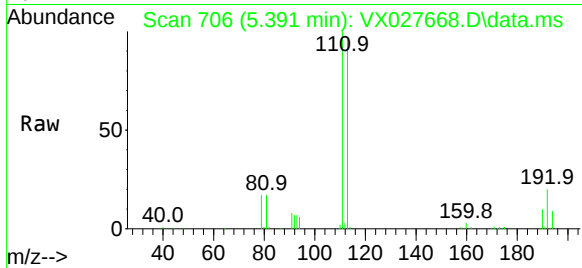




#35
Dibromofluoromethane
Concen: 51.141 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

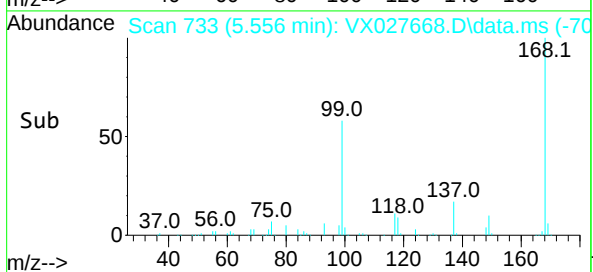
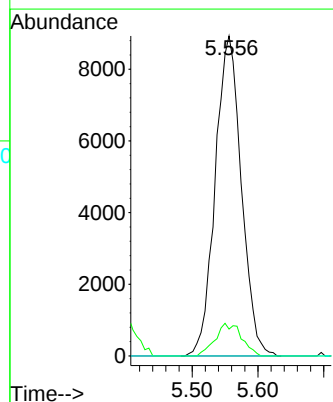
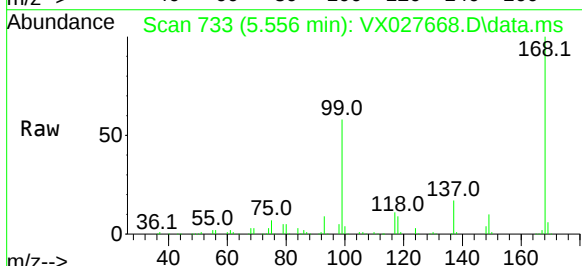
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

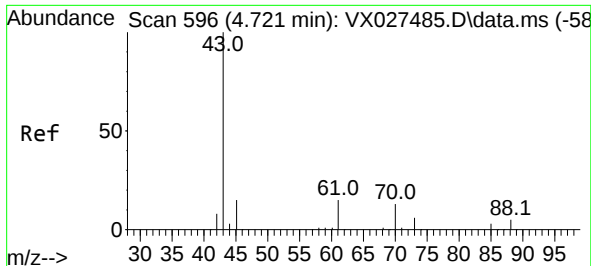
Tgt Ion:113 Resp: 187618
Ion Ratio Lower Upper
113 100
111 102.2 82.8 124.2
192 20.2 16.9 25.3



#36
1,1-Dichloropropene
Concen: 4.924 ug/l
RT: 5.556 min Scan# 733
Delta R.T. -0.140 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 75 Resp: 24685
Ion Ratio Lower Upper
75 100
110 10.3 18.3 54.8#
77 0.0 24.8 37.2#





#37

Ethyl Acetate

Concen: 3.892 ug/l

RT: 4.568 min Scan# 51

Delta R.T. -0.152 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

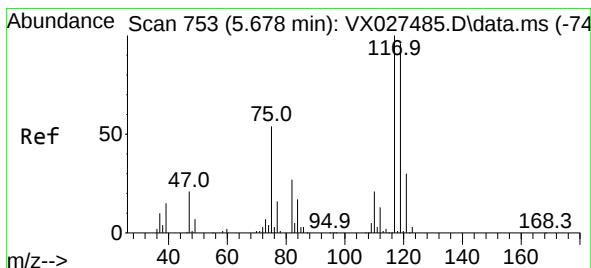
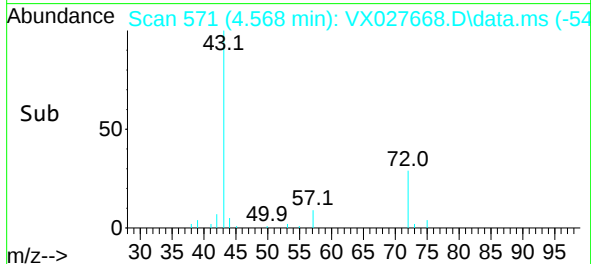
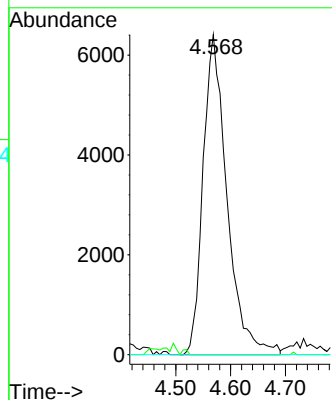
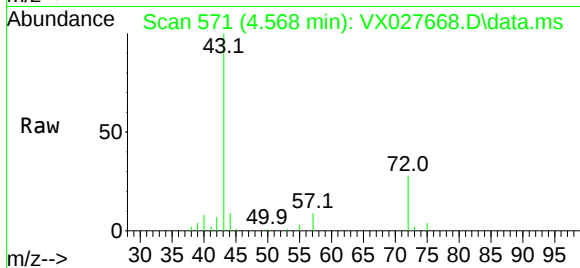
Instrument :

MSVOA_X

ClientSampleId :

WC-8-9-3

Tgt Ion: 43	Resp: 19444
Ion Ratio	Lower Upper
43 100	
61 0.0	12.6 19.0#
70 0.0	10.2 15.2#



#38

Carbon Tetrachloride

Concen: 6.111 ug/l

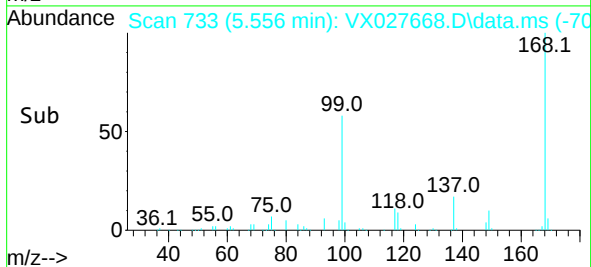
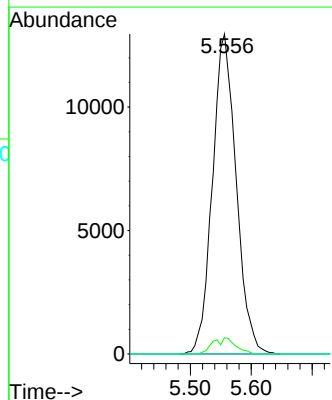
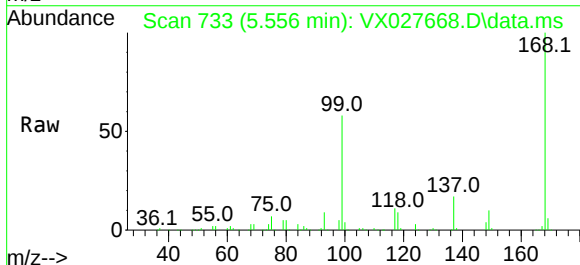
RT: 5.556 min Scan# 733

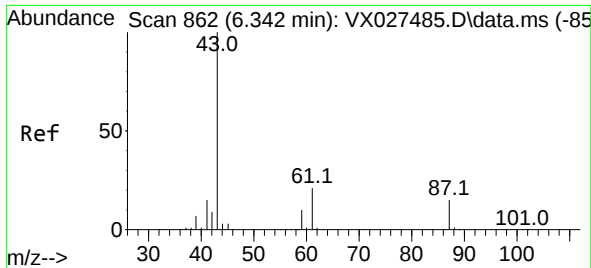
Delta R.T. -0.122 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

Tgt Ion: 117	Resp: 35052
Ion Ratio	Lower Upper
117 100	
119 5.0	77.3 115.9#
121 0.0	24.2 36.2#





#43

Isopropyl Acetate

Concen: 3.364 ug/l

RT: 6.349 min Scan# 8

Delta R.T. 0.006 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

WC-8-9-3

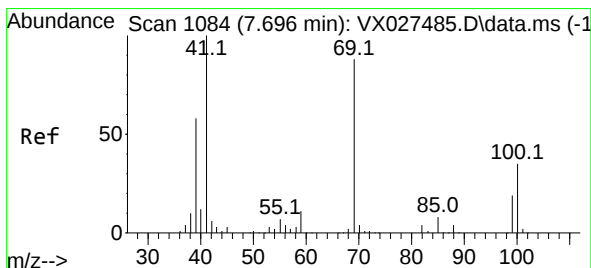
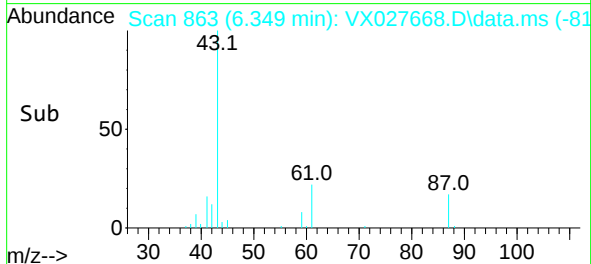
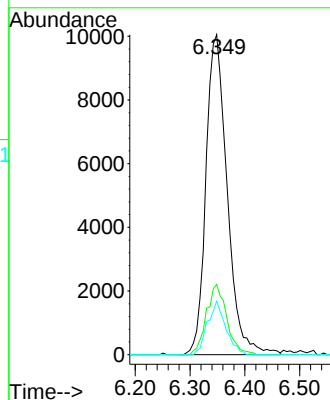
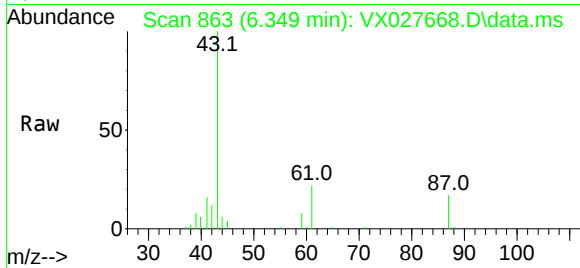
Tgt Ion: 43 Resp: 27046

Ion Ratio Lower Upper

43 100

61 21.0 18.5 27.7

87 14.4 13.0 19.6



#48

Methyl methacrylate

Concen: 2.125 ug/l

RT: 7.598 min Scan# 1068

Delta R.T. -0.097 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

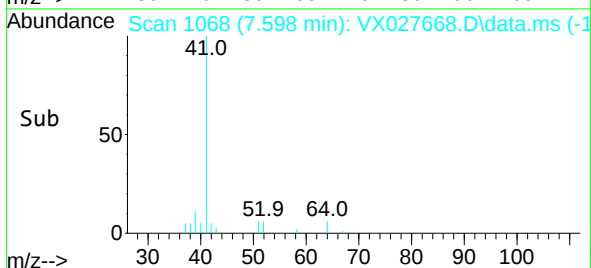
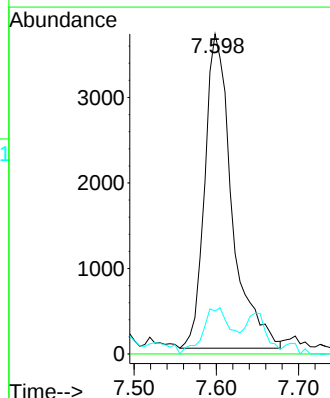
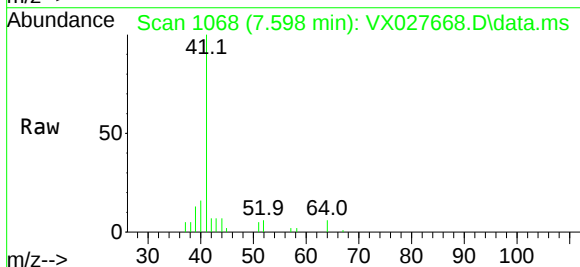
Tgt Ion: 41 Resp: 8454

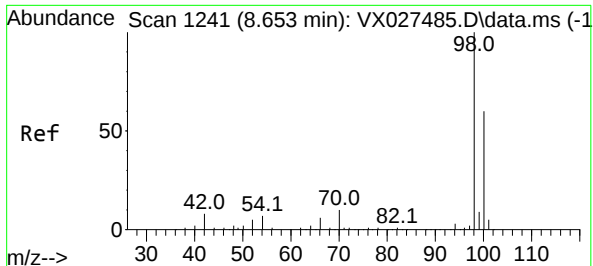
Ion Ratio Lower Upper

41 100

69 0.0 82.5 123.7#

39 0.0 43.8 65.8#

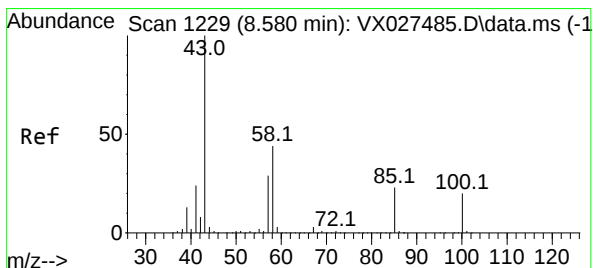
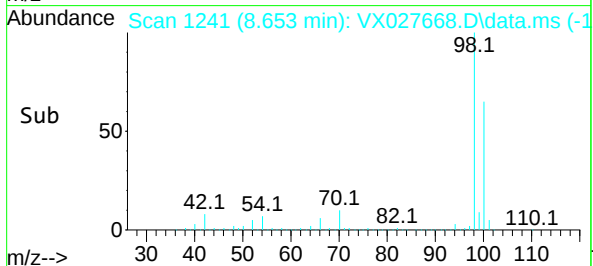
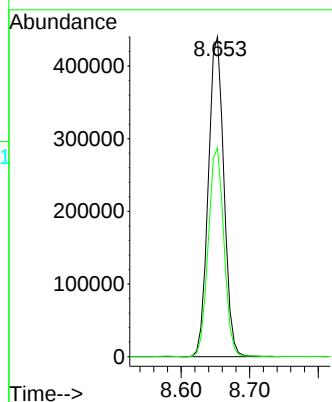
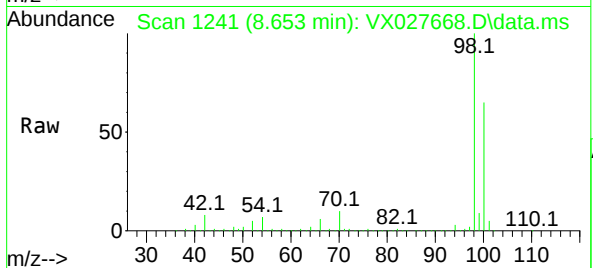




#50
Toluene-d8
Concen: 50.193 ug/l
RT: 8.653 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

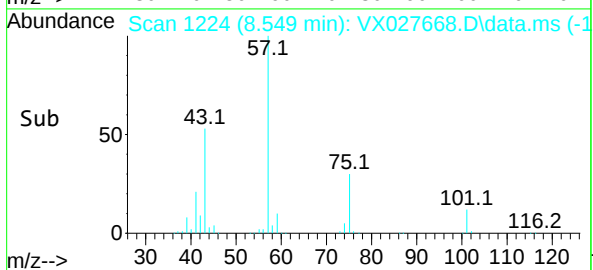
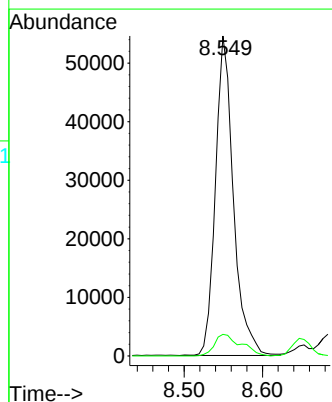
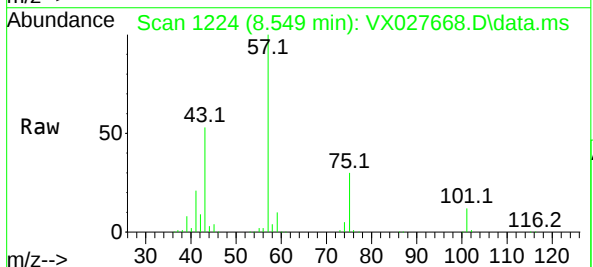
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

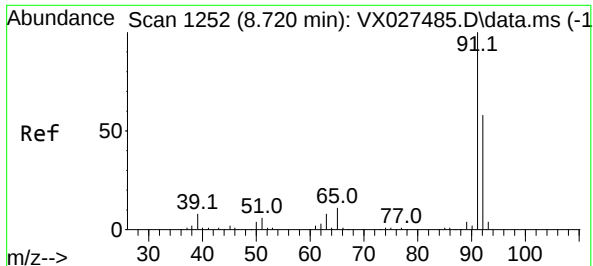
Tgt Ion: 98 Resp: 696802
Ion Ratio Lower Upper
98 100
100 65.4 52.6 78.8



#51
4-Methyl-2-Pentanone
Concen: 16.965 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. -0.030 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 43 Resp: 87069
Ion Ratio Lower Upper
43 100
58 10.0 36.1 54.1#

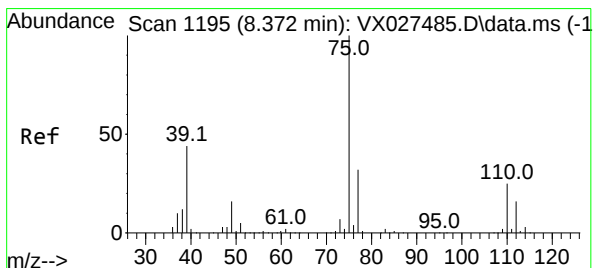
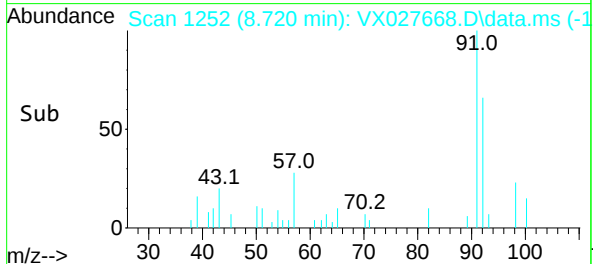
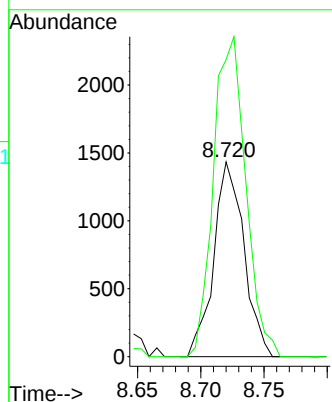
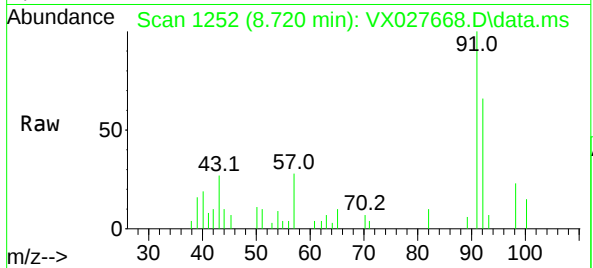




#52
Toluene
Concen: 0.247 ug/l
RT: 8.720 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

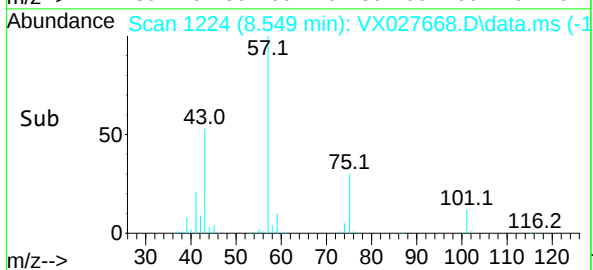
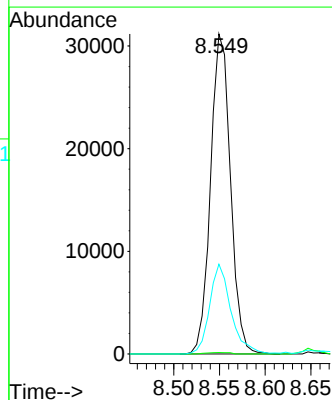
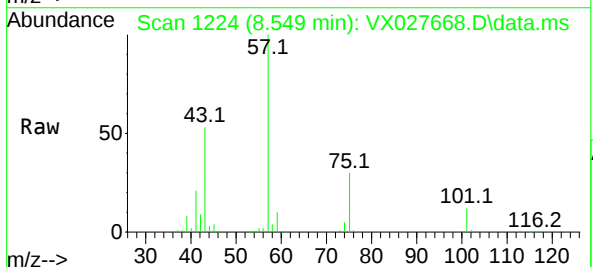
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

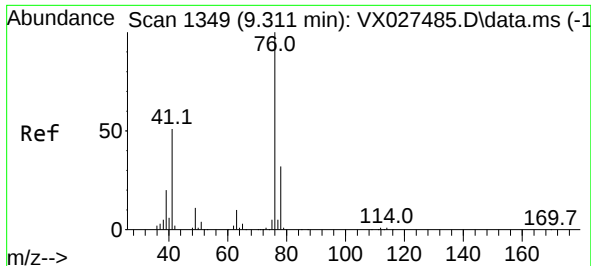
Tgt Ion: 92 Resp: 2376
Ion Ratio Lower Upper
92 100
91 176.1 137.5 206.3



#54
cis-1,3-Dichloropropene
Concen: 8.005 ug/l
RT: 8.549 min Scan# 1224
Delta R.T. 0.177 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 75 Resp: 47117
Ion Ratio Lower Upper
75 100
77 0.5 24.8 37.2#
39 28.0 29.6 44.4#





#57

1,3-Dichloropropane

Concen: 4.296 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.171 min

Lab File: VX027668.D

Acq: 23 Mar 2022 15:27

Instrument :

MSVOA_X

ClientSampleId :

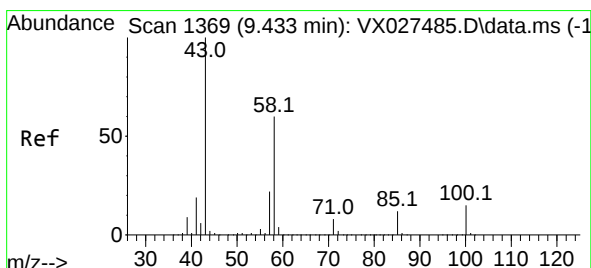
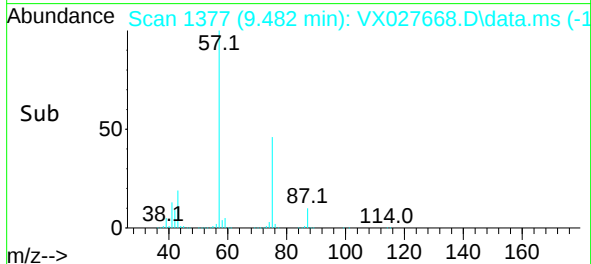
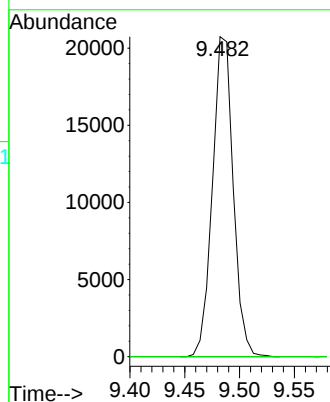
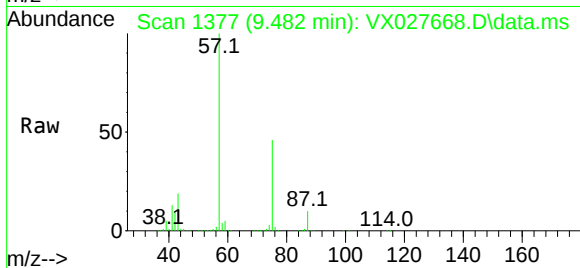
WC-8-9-3

Tgt Ion: 76 Resp: 27373

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.8#



#59

2-Hexanone

Concen: 79.117 ug/l

RT: 9.482 min Scan# 1377

Delta R.T. 0.049 min

Lab File: VX027668.D

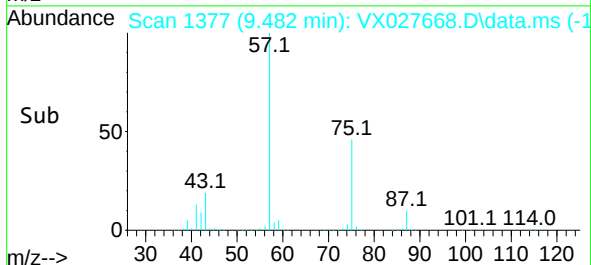
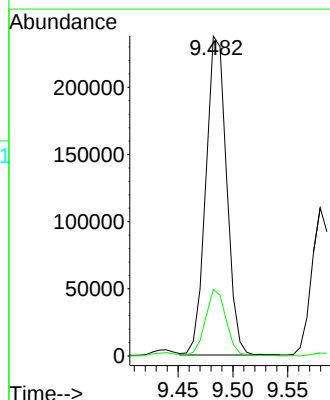
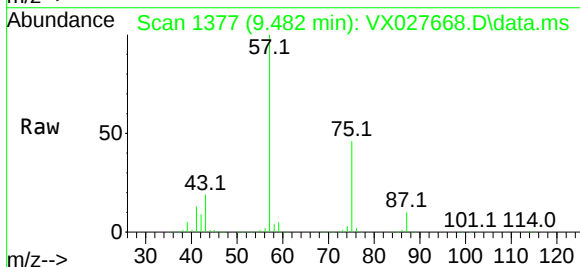
Acq: 23 Mar 2022 15:27

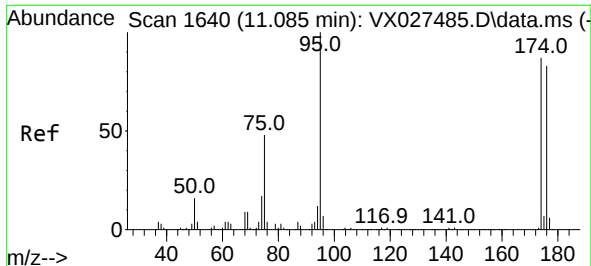
Tgt Ion: 43 Resp: 312737

Ion Ratio Lower Upper

43 100

58 20.8 31.9 95.7#

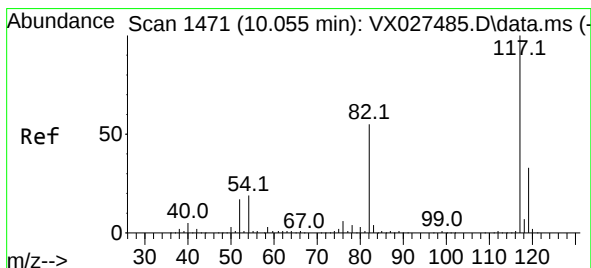
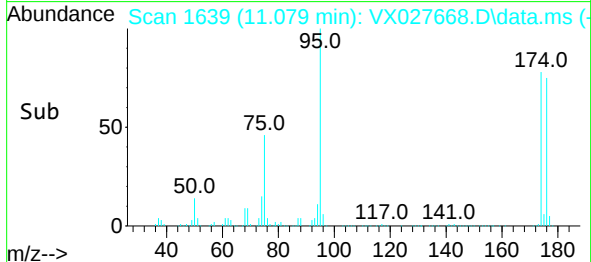
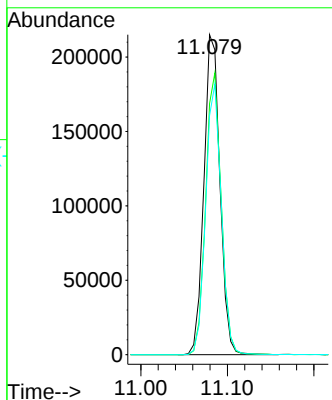
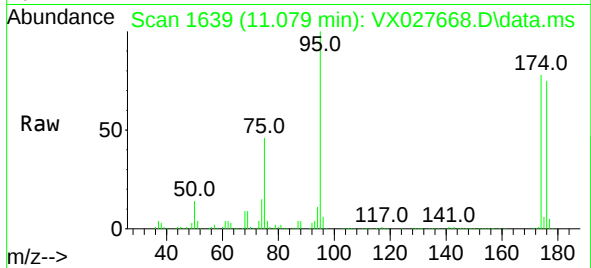




#62
4-Bromofluorobenzene
Concen: 53.989 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

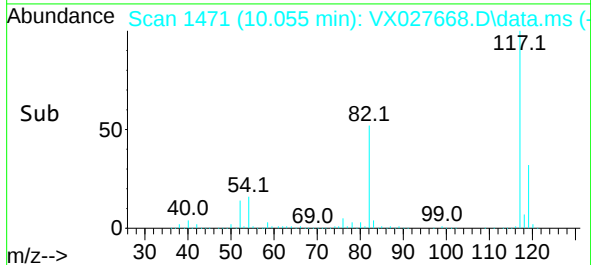
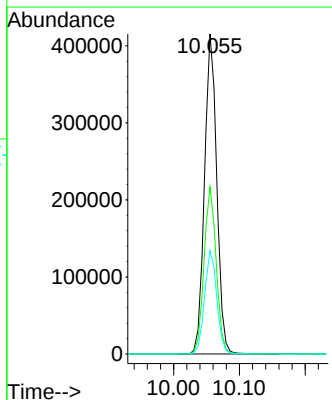
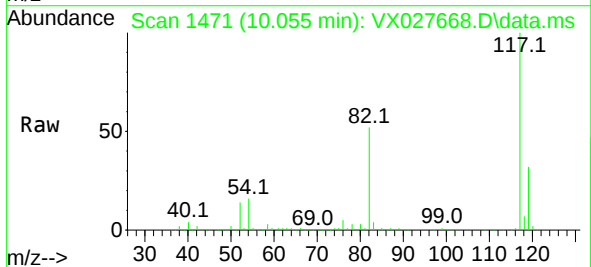
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

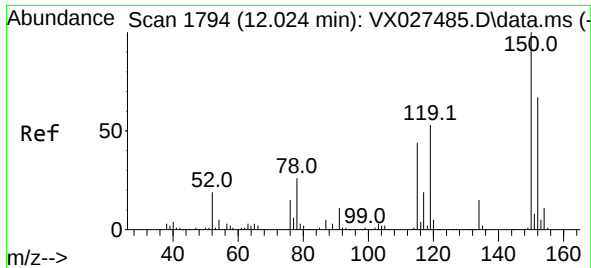
Tgt Ion: 95 Resp: 275483
Ion Ratio Lower Upper
95 100
174 85.9 0.0 163.0
176 83.2 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 117 Resp: 537890
Ion Ratio Lower Upper
117 100
82 52.2 41.8 62.8
119 32.2 24.8 37.2

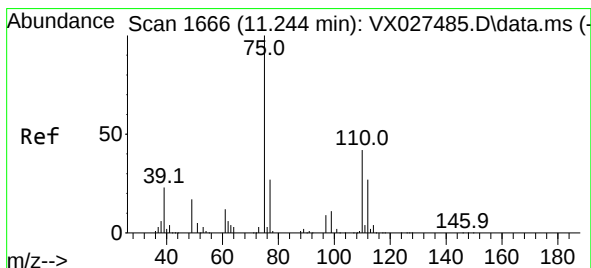
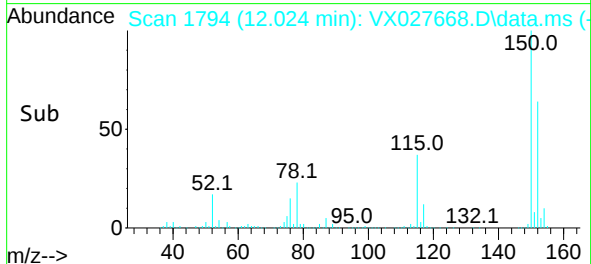
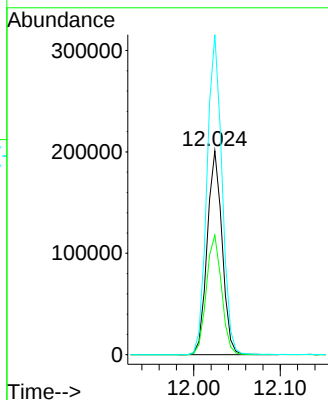
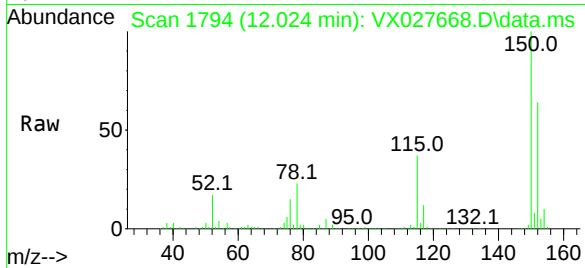




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

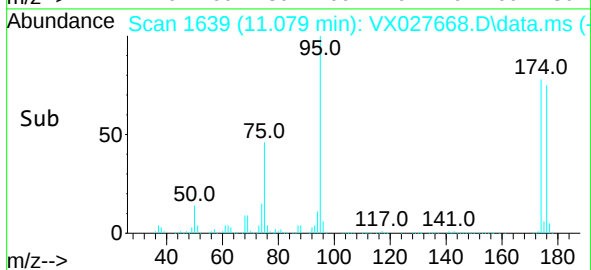
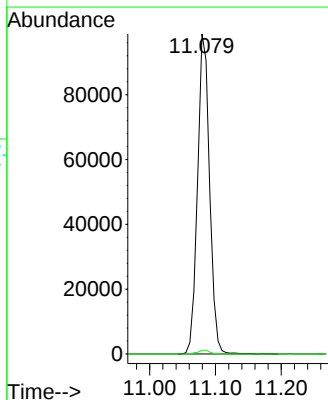
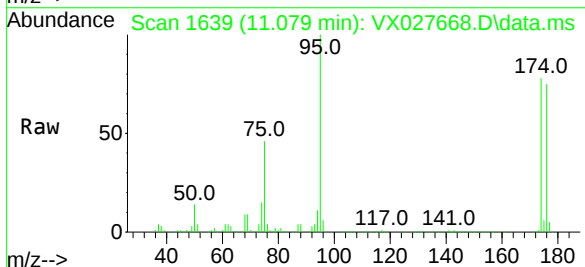
Instrument :
MSVOA_X
ClientSampleId :
WC-8-9-3

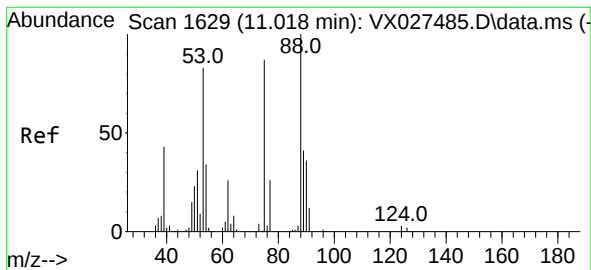
Tgt Ion:152 Resp: 240054
Ion Ratio Lower Upper
152 100
115 59.7 37.5 112.7
150 158.6 0.0 338.2



#76
1,2,3-Trichloropropane
Concen: 24.919 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.164 min
Lab File: VX027668.D
Acq: 23 Mar 2022 15:27

Tgt Ion: 75 Resp: 125119
Ion Ratio Lower Upper
75 100
77 1.2 19.4 58.2#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 75.678 ug/l
 RT: 11.079 min Scan# 1
 Delta R.T. 0.061 min
 Lab File: VX027668.D
 Acq: 23 Mar 2022 15:27

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-8-9-3

Tgt Ion: 75 Resp: 125119
 Ion Ratio Lower Upper
 75 100
 53 0.0 69.0 103.4#
 89 0.0 37.0 55.6#

