

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062222\
 Data File : VX029728.D
 Acq On : 23 Jun 2022 07:40
 Operator : JC/MD
 Sample : N3422-11 40X
 Misc : 5.76g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 48 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14A-1A-13-GR

Quant Time: Jun 23 09:09:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061822W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 20 01:31:01 2022
 Response via : Initial Calibration

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

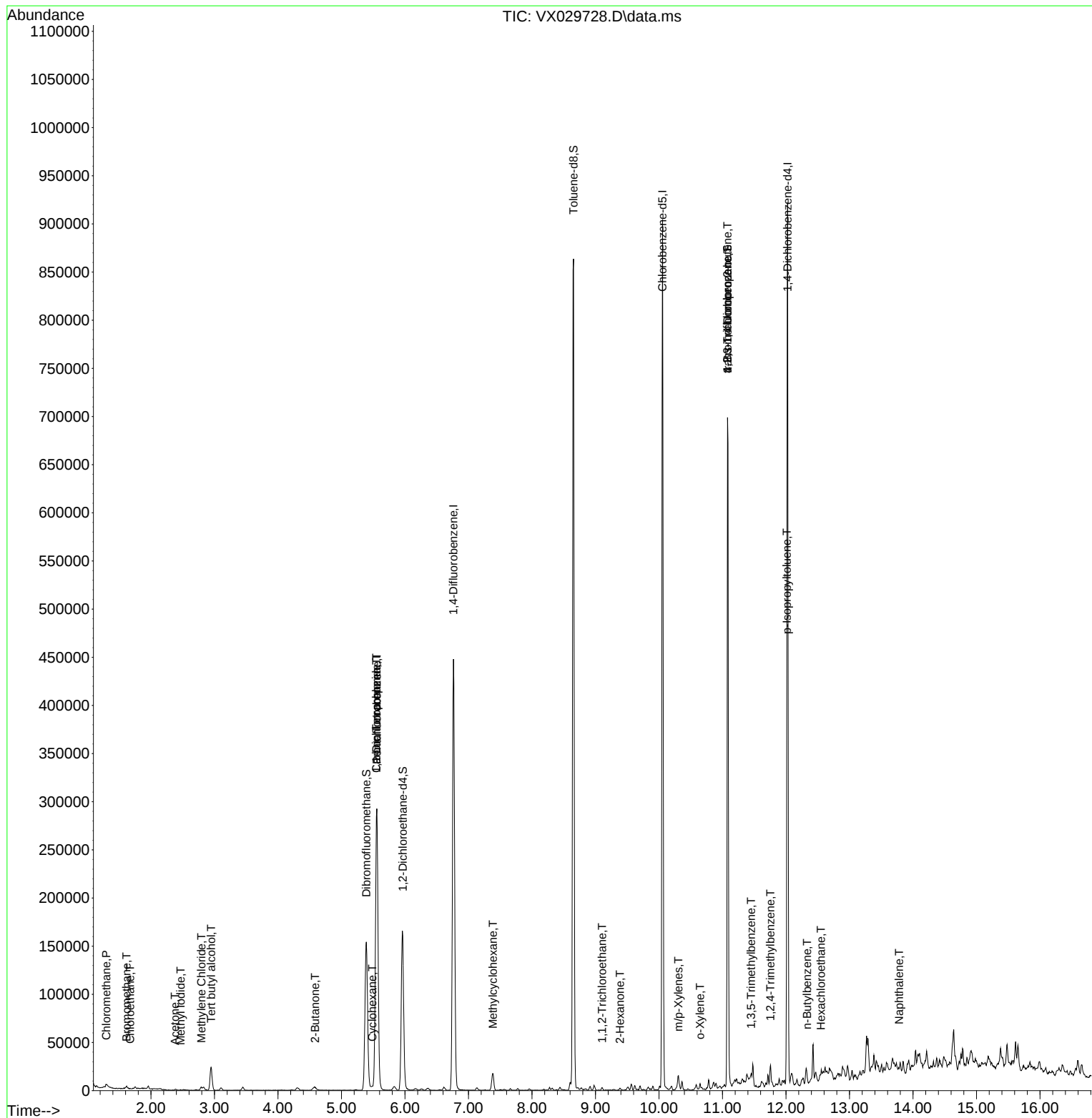
Internal Standards						
1) Pentafluorobenzene	5.556	168	288577	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	485260	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	418352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	194283	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155321	40.660	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	81.320%
35) Dibromofluoromethane	5.391	113	139131	43.996	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	88.000%
50) Toluene-d8	8.653	98	538464	46.609	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.220%
62) 4-Bromofluorobenzene	11.079	95	201425	46.234	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	92.460%
Target Compounds						
					Qvalue	
3) Chloromethane	1.295	50	829	0.220	ug/l	89
5) Bromomethane	1.618	94	732	0.414	ug/l #	76
6) Chloroethane	1.673	64	692	1.541	ug/l #	43
10) Methyl Iodide	2.465	142	402	3.127	ug/l #	71
11) Tert butyl alcohol	2.947	59	13745	7.537	ug/l #	72
16) Acetone	2.380	43	1052	0.691	ug/l #	71
20) Methylene Chloride	2.794	84	1302	0.384	ug/l	90
25) 2-Butanone	4.587	43	538	0.224	ug/l #	44
31) Cyclohexane	5.483	56	2066	0.403	ug/l	96
36) 1,1-Dichloropropene	5.550	75	20854	4.872	ug/l #	49
38) Carbon Tetrachloride	5.550	117	28748	6.830	ug/l #	15
39) Methylcyclohexane	7.385	83	8725	1.635	ug/l	92
44) Trichloroethene	7.129	130	1087	Below Cal		76
55) 1,1,2-Trichloroethane	9.104	97	930	0.283	ug/l #	16
59) 2-Hexanone	9.385	43	673	0.202	ug/l #	18
68) m/p-Xylenes	10.305	106	3196	0.555	ug/l	97
69) o-Xylene	10.647	106	1375	0.242	ug/l	91
76) 1,2,3-Trichloropropane	11.079	75	96241	22.739	ug/l #	39
80) 1,3,5-Trimethylbenzene	11.451	105	4607	0.376	ug/l	87
81) trans-1,4-Dichloro-2-b...	11.079	75	96241	75.646	ug/l #	15
84) 1,2,4-Trimethylbenzene	11.756	105	9976	0.815	ug/l	95
86) p-Isopropyltoluene	12.012	119	12660	1.020	ug/l	92
89) n-Butylbenzene	12.329	91	2143	0.205	ug/l #	41
90) Hexachloroethane	12.549	117	508	0.286	ug/l #	10
95) Naphthalene	13.780	128	4040	0.296	ug/l #	80

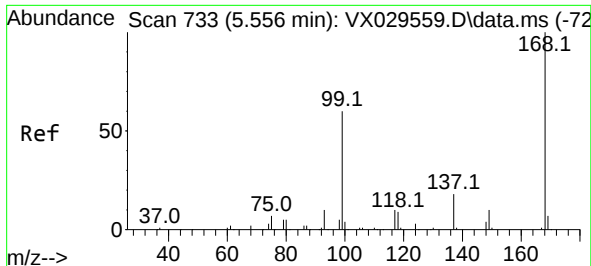
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

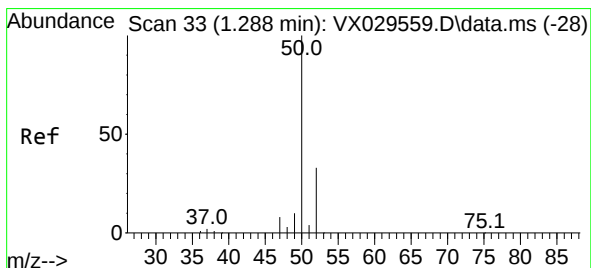
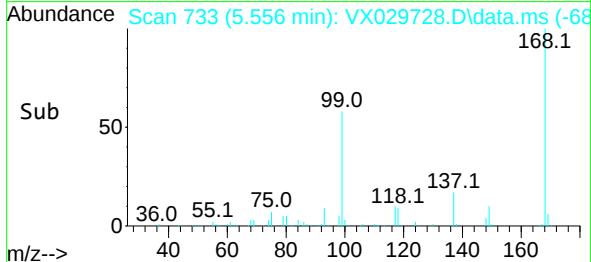
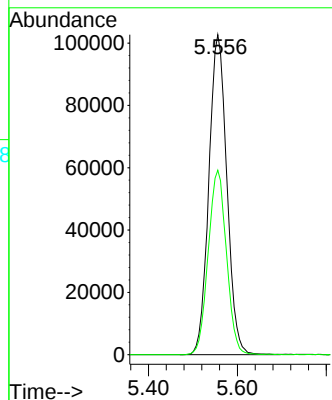
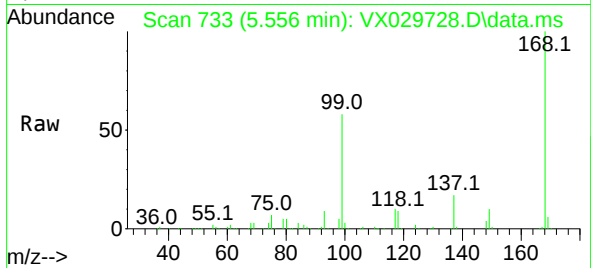




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

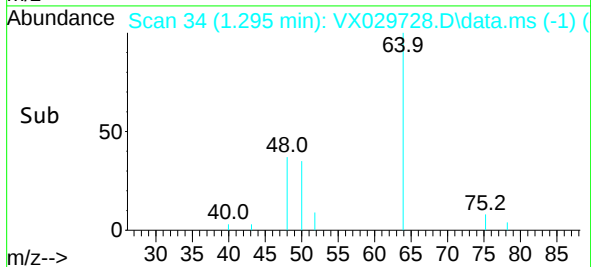
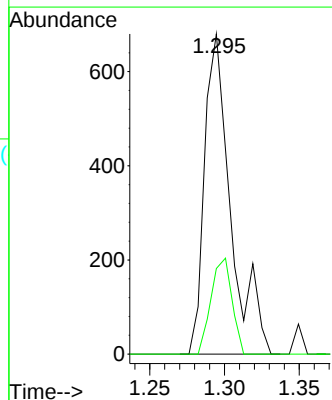
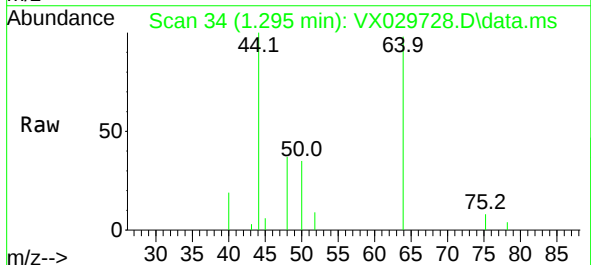
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

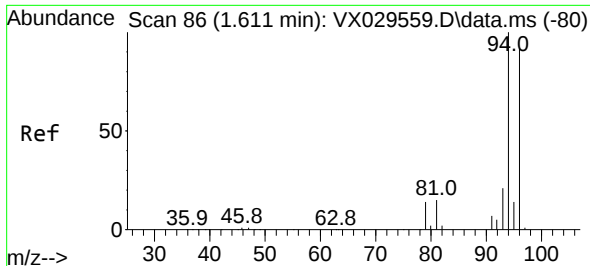
Tgt Ion:168 Resp: 288577
Ion Ratio Lower Upper
168 100
99 57.6 41.7 62.5



#3
Chloromethane
Concen: 0.220 ug/l
RT: 1.295 min Scan# 34
Delta R.T. 0.007 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion: 50 Resp: 829
Ion Ratio Lower Upper
50 100
52 26.8 26.4 39.6

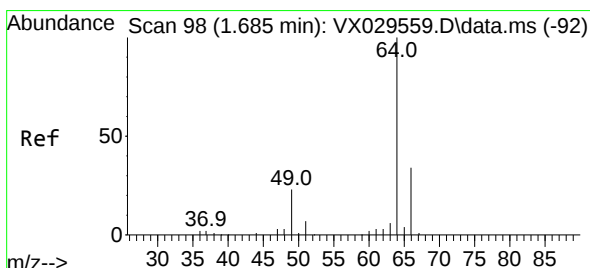
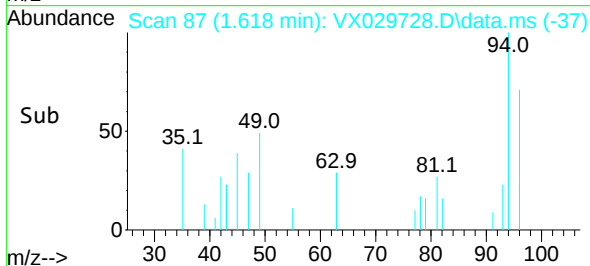
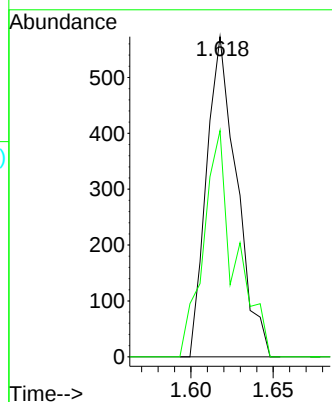
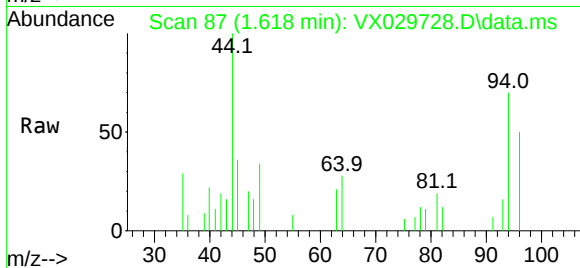




#5
Bromomethane
Concen: 0.414 ug/l
RT: 1.618 min Scan# 81
Delta R.T. 0.007 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

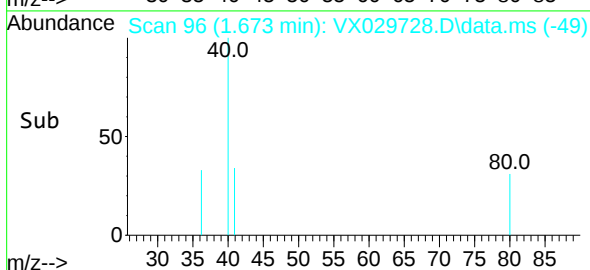
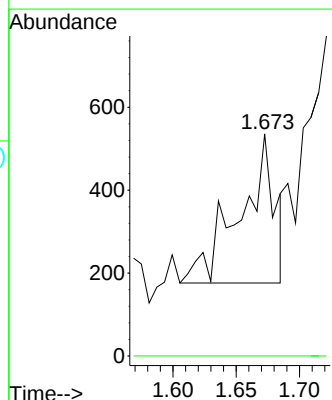
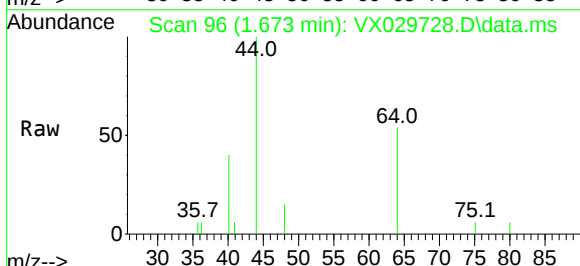
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

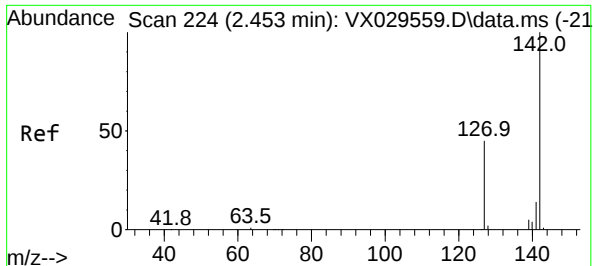
Tgt Ion: 94 Resp: 732
Ion Ratio Lower Upper
94 100
96 70.7 75.3 112.9#



#6
Chloroethane
Concen: 1.541 ug/l
RT: 1.673 min Scan# 96
Delta R.T. -0.012 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

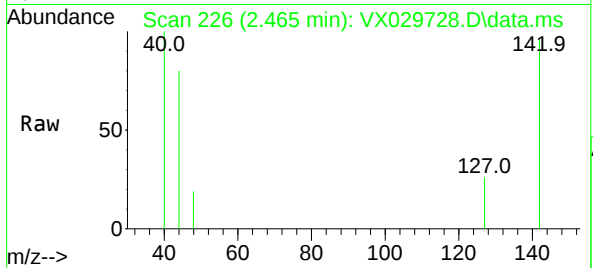
Tgt Ion: 64 Resp: 692
Ion Ratio Lower Upper
64 100
66 0.0 25.3 37.9#



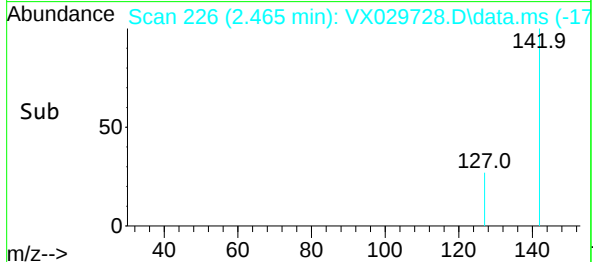
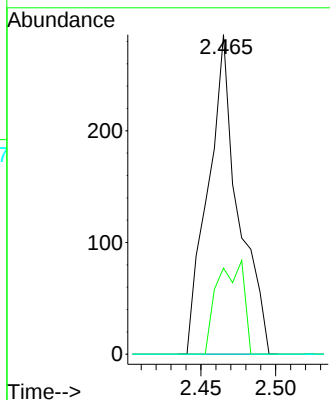


#10
Methyl Iodide
Concen: 3.127 ug/l
RT: 2.465 min Scan# 21
Delta R.T. 0.012 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

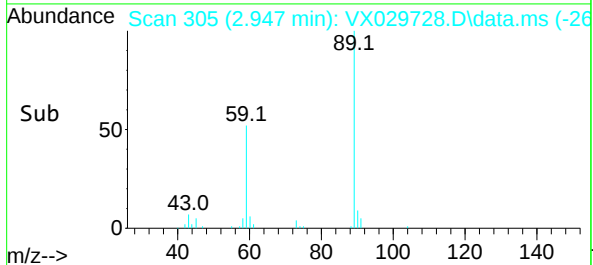
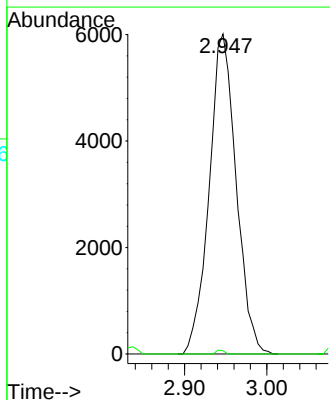
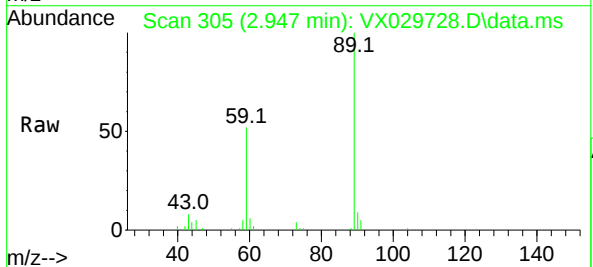


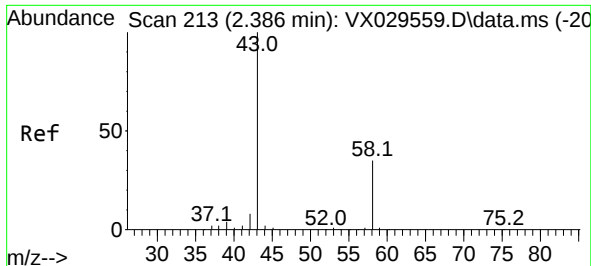
Tgt Ion:142 Resp: 402
Ion Ratio Lower Upper
142 100
127 25.6 33.9 50.9#
141 0.0 11.4 17.2#



#11
Tert butyl alcohol
Concen: 7.537 ug/l
RT: 2.947 min Scan# 305
Delta R.T. -0.036 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion: 59 Resp: 13745
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#

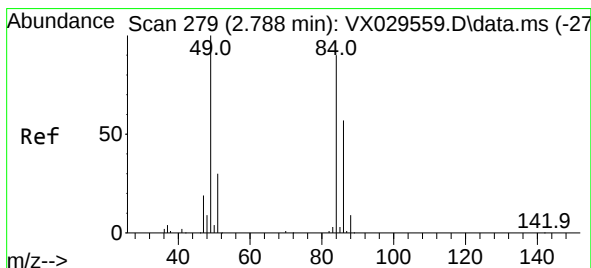
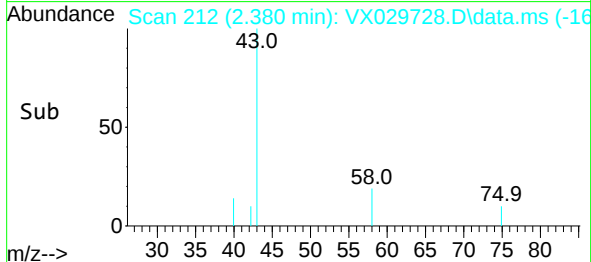
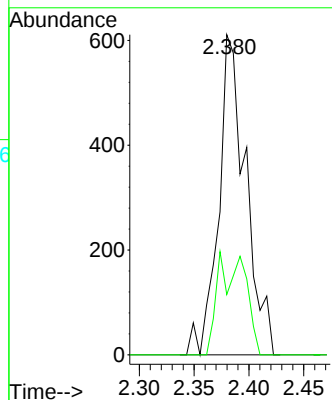
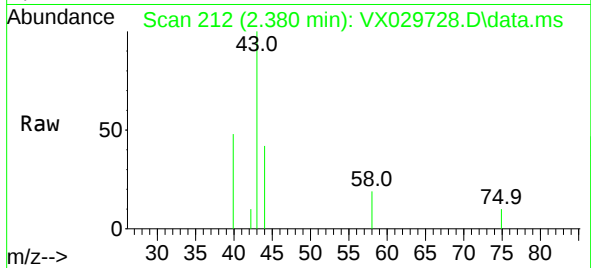




#16
Acetone
Concen: 0.691 ug/l
RT: 2.380 min Scan# 213
Delta R.T. -0.006 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

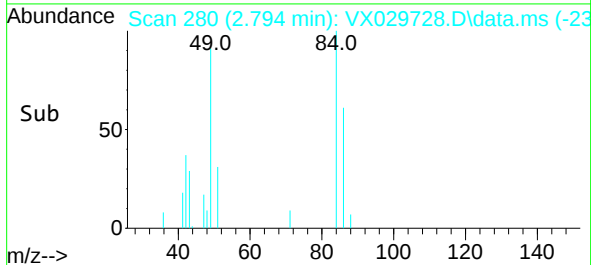
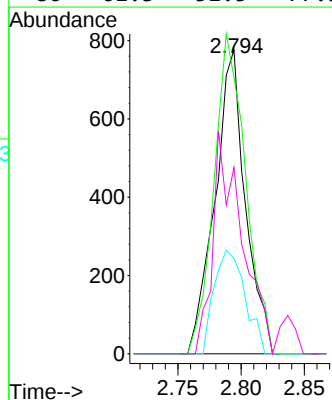
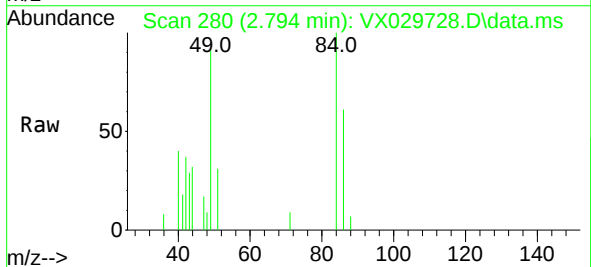
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

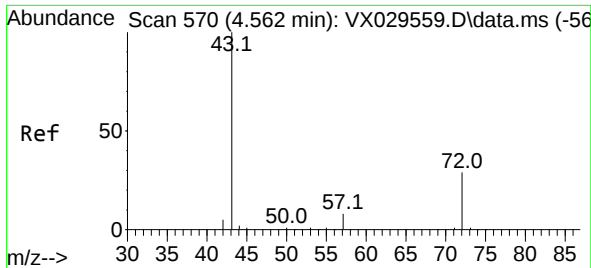
Tgt Ion: 43 Resp: 1052
Ion Ratio Lower Upper
43 100
58 18.8 28.8 43.2#



#20
Methylene Chloride
Concen: 0.384 ug/l
RT: 2.794 min Scan# 280
Delta R.T. 0.006 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion: 84 Resp: 1302
Ion Ratio Lower Upper
84 100
49 91.0 85.5 128.3
51 31.3 26.6 39.8
86 61.3 51.5 77.3

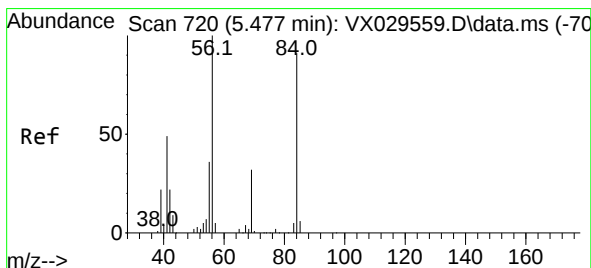
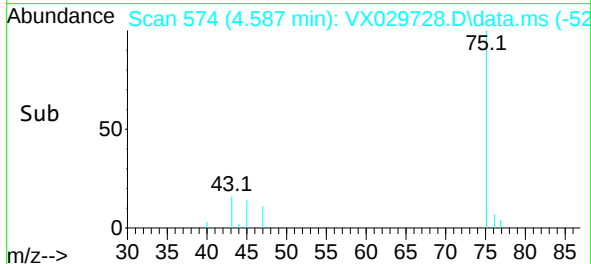
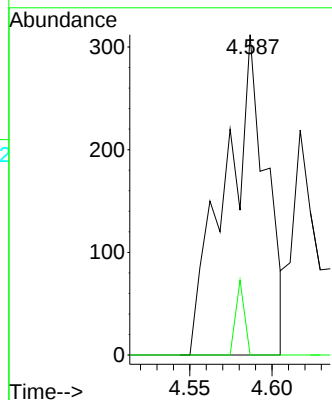
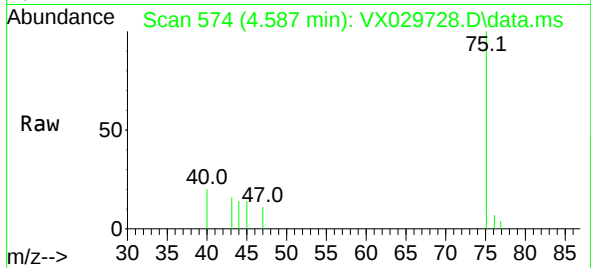




#25
2-Butanone
Concen: 0.224 ug/l
RT: 4.587 min Scan# 51
Delta R.T. 0.025 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

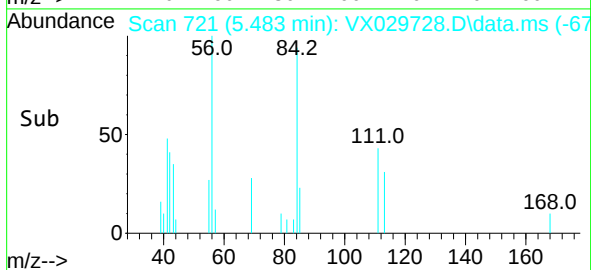
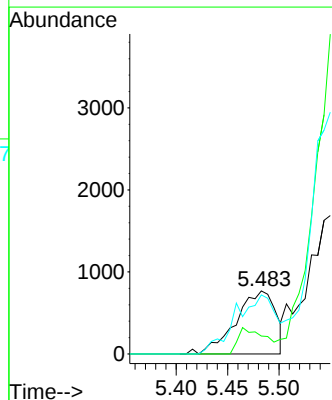
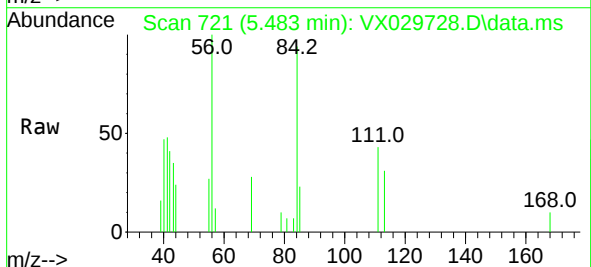
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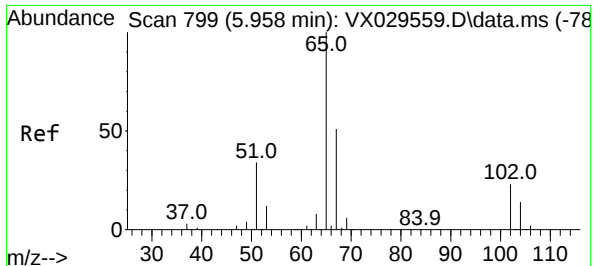
Tgt Ion: 43 Resp: 538
Ion Ratio Lower Upper
43 100
72 0.0 24.4 36.6#



#31
Cyclohexane
Concen: 0.403 ug/l
RT: 5.483 min Scan# 721
Delta R.T. 0.006 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion: 56 Resp: 2066
Ion Ratio Lower Upper
56 100
69 28.3 26.7 40.1
84 93.6 77.2 115.8





#33

1,2-Dichloroethane-d4

Concen: 40.660 ug/l

RT: 5.964 min Scan# 800

Delta R.T. 0.006 min

Lab File: VX029728.D

Acq: 23 Jun 2022 07:40

Instrument :

MSVOA_X

ClientSampleId :

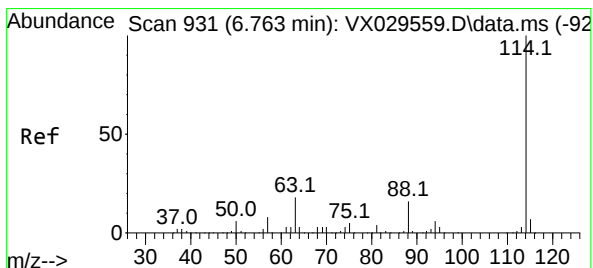
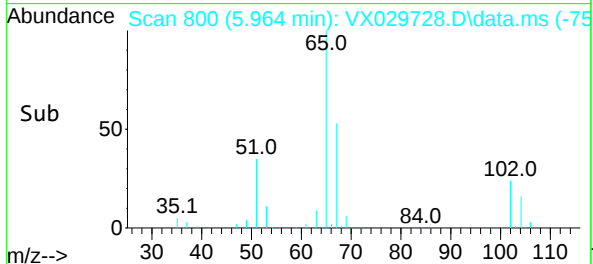
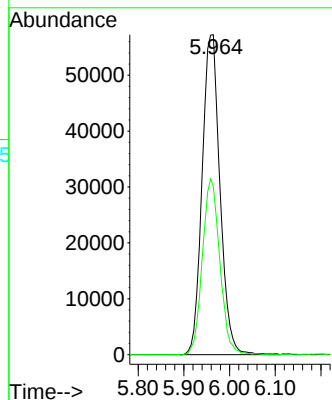
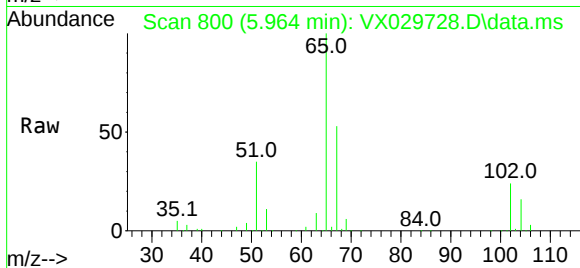
WC-14A-1A-13-GR

Tgt Ion: 65 Resp: 155321

Ion Ratio Lower Upper

65 100

67 53.6 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: VX029728.D

Acq: 23 Jun 2022 07:40

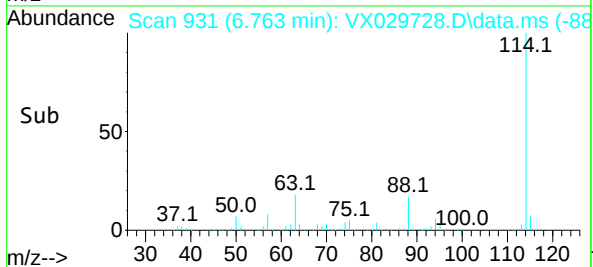
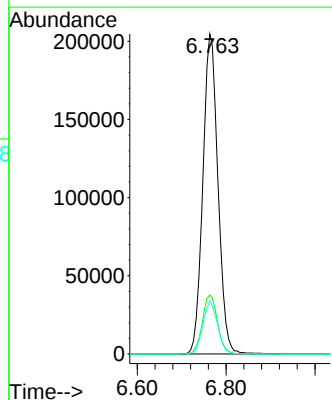
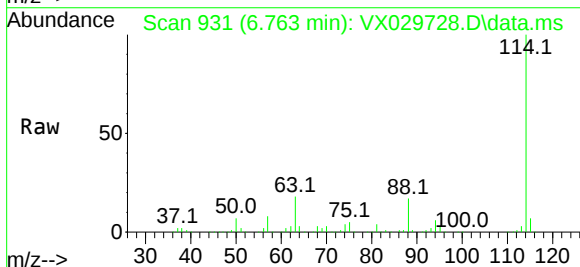
Tgt Ion: 114 Resp: 485260

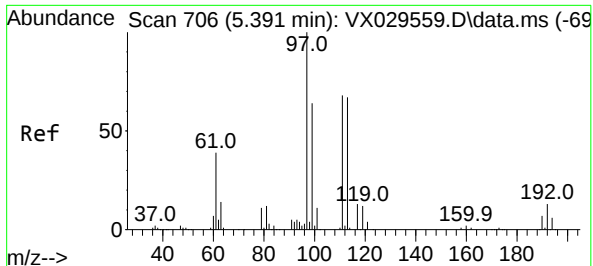
Ion Ratio Lower Upper

114 100

63 18.4 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 43.996 ug/l

RT: 5.391 min Scan# 706

Delta R.T. 0.000 min

Lab File: VX029728.D

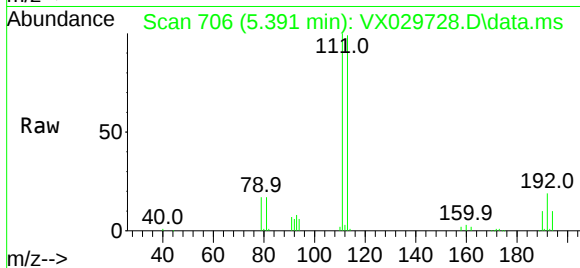
Acq: 23 Jun 2022 07:40

Instrument :

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ClientSampleId :

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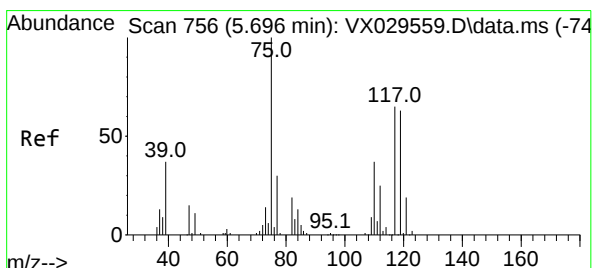
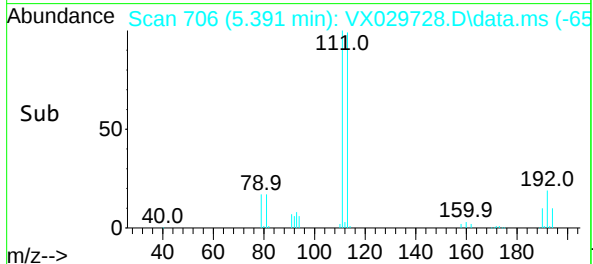
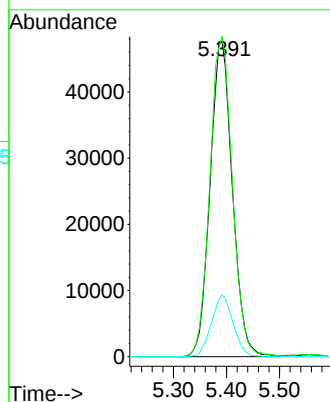
Tgt Ion:113 Resp: 139131

Ion Ratio Lower Upper

113 100

111 102.6 82.8 124.2

192 19.0 16.9 25.3



#36

1,1-Dichloropropene

Concen: 4.872 ug/l

RT: 5.550 min Scan# 732

Delta R.T. -0.146 min

Lab File: VX029728.D

Acq: 23 Jun 2022 07:40

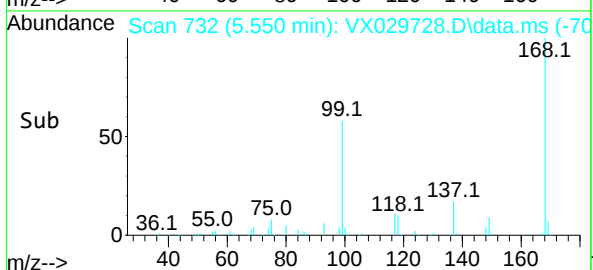
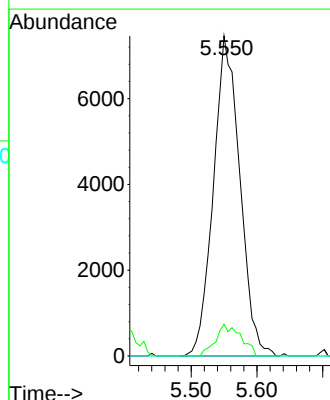
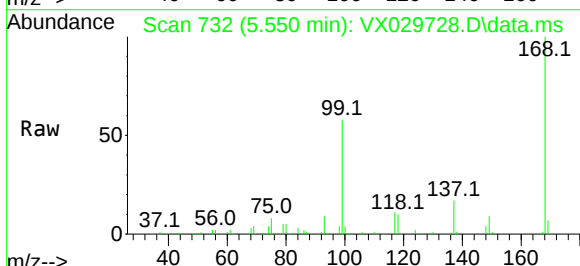
Tgt Ion: 75 Resp: 20854

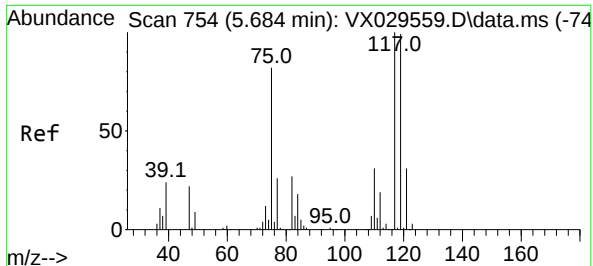
Ion Ratio Lower Upper

75 100

110 9.4 18.3 54.8#

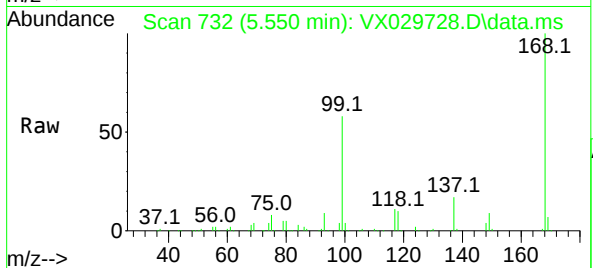
77 0.0 24.8 37.2#



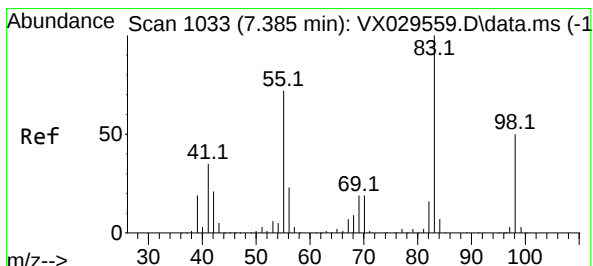
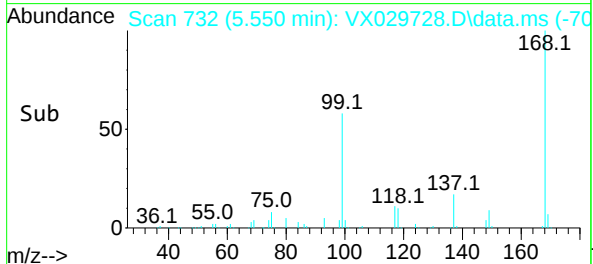
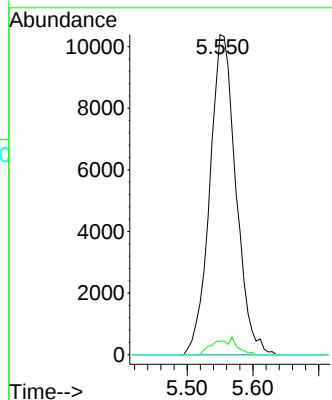


#38
Carbon Tetrachloride
Concen: 6.830 ug/l
RT: 5.550 min Scan# 71
Delta R.T. -0.134 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

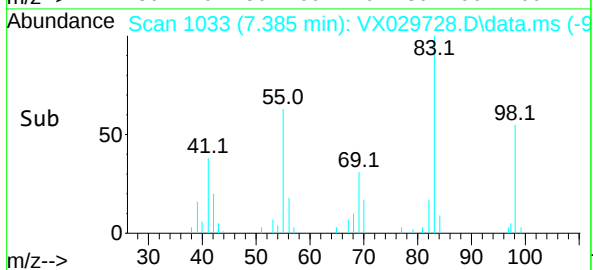
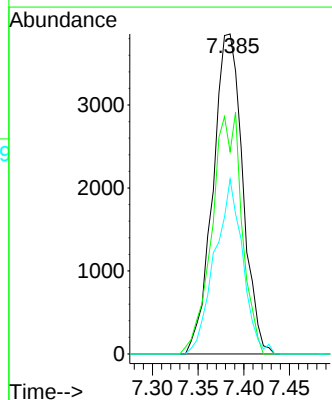
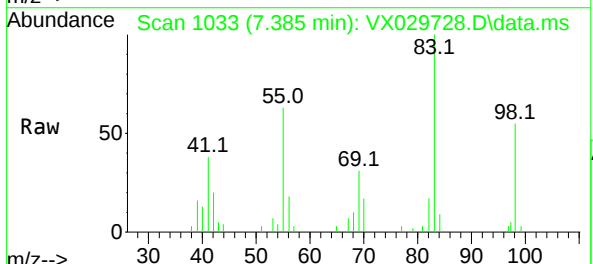


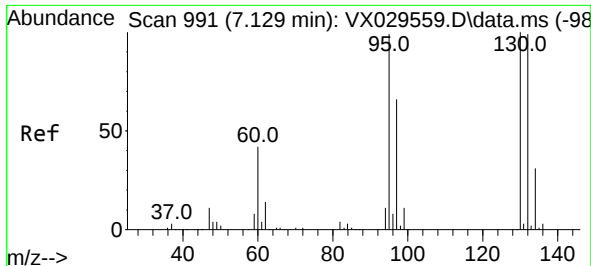
Tgt Ion:117 Resp: 28748
Ion Ratio Lower Upper
117 100
119 4.2 77.3 115.9#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 1.635 ug/l
RT: 7.385 min Scan# 1033
Delta R.T. -0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion: 83 Resp: 8725
Ion Ratio Lower Upper
83 100
55 63.2 54.6 81.8
98 54.6 37.4 56.2

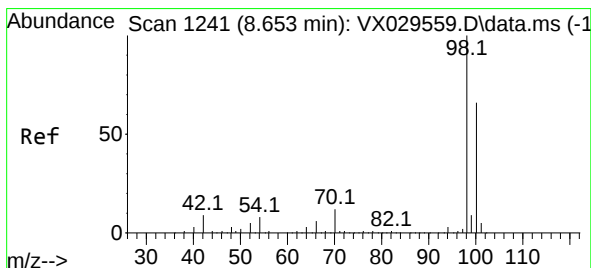
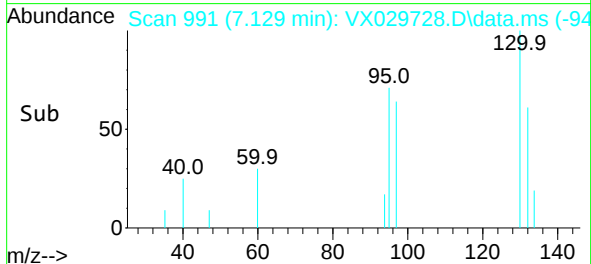
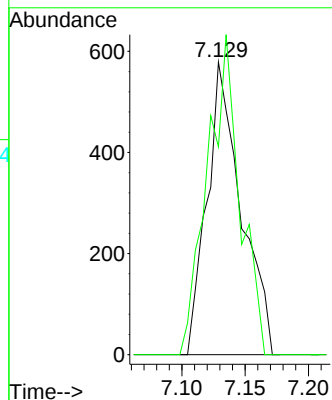
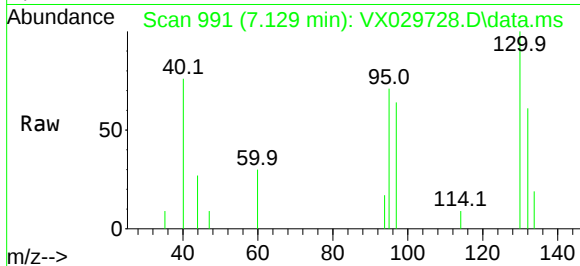




#44
 Trichloroethene
 Concen: Below Cal
 RT: 7.129 min Scan# 991
 Delta R.T. -0.000 min
 Lab File: VX029728.D
 Acq: 23 Jun 2022 07:40

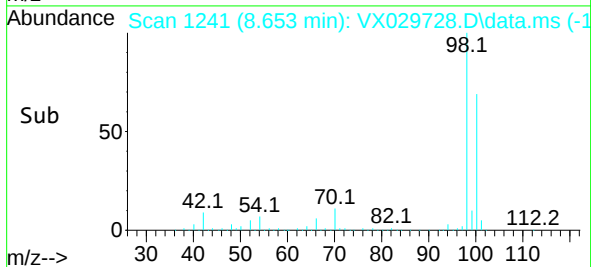
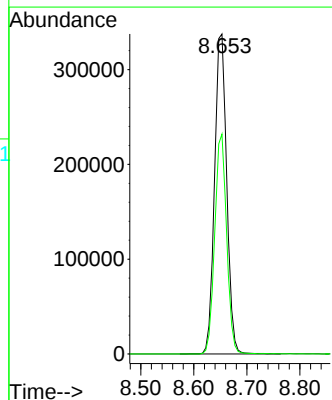
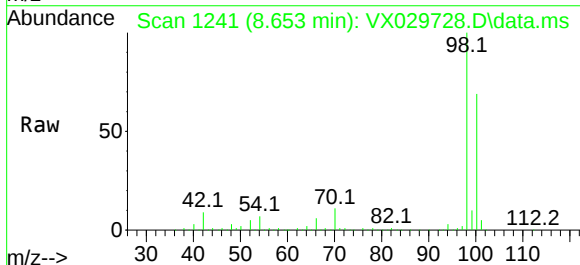
Instrument :
 MSVOA_X
 ClientSampleId :
 WC-14A-1A-13-GR

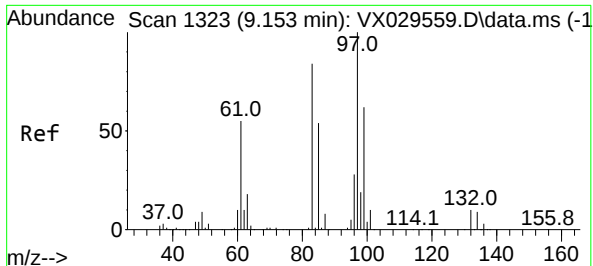
Tgt Ion:130 Resp: 1087
 Ion Ratio Lower Upper
 130 100
 95 71.0 0.0 188.8



#50
 Toluene-d8
 Concen: 46.609 ug/l
 RT: 8.653 min Scan# 1241
 Delta R.T. -0.000 min
 Lab File: VX029728.D
 Acq: 23 Jun 2022 07:40

Tgt Ion: 98 Resp: 538464
 Ion Ratio Lower Upper
 98 100
 100 67.2 52.6 78.8





#55

1,1,2-Trichloroethane

Concen: 0.283 ug/l

RT: 9.104 min Scan# 11

Delta R.T. -0.049 min

Lab File: VX029728.D

Acq: 23 Jun 2022 07:40

Instrument :

MSVOA_X

ClientSampleId :

WC-14A-1A-13-GR

Tgt Ion: 97 Resp: 930

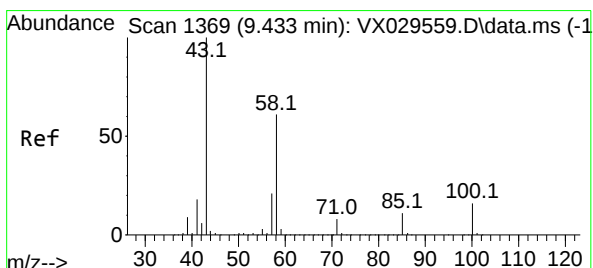
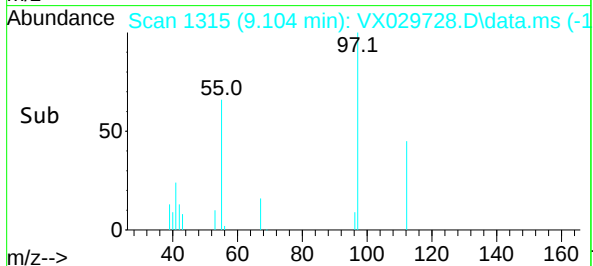
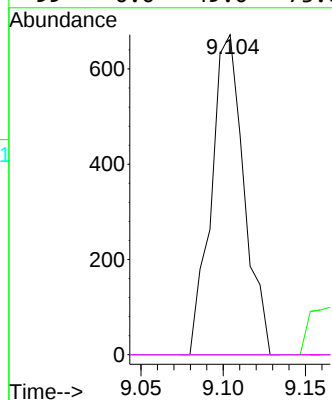
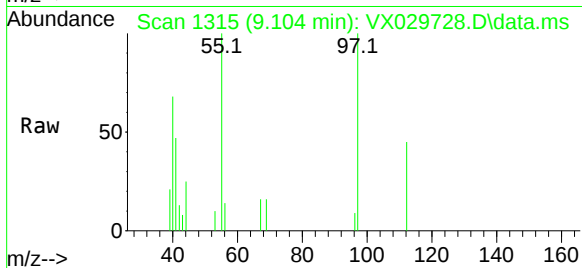
Ion Ratio Lower Upper

97 100

83 0.0 66.2 99.4#

85 0.0 42.9 64.3#

99 0.0 49.0 73.6#



#59

2-Hexanone

Concen: 0.202 ug/l

RT: 9.385 min Scan# 1361

Delta R.T. -0.048 min

Lab File: VX029728.D

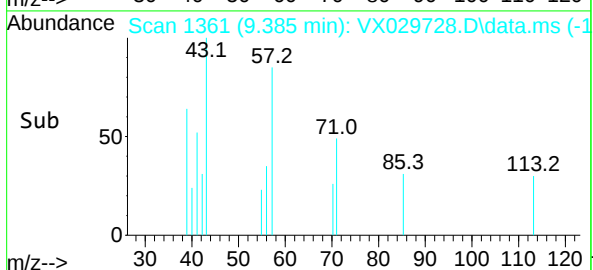
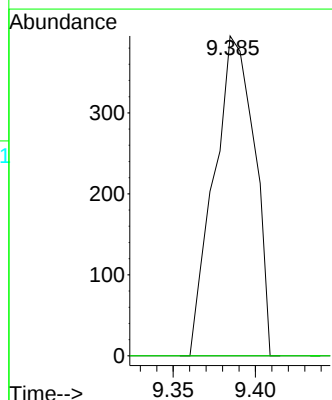
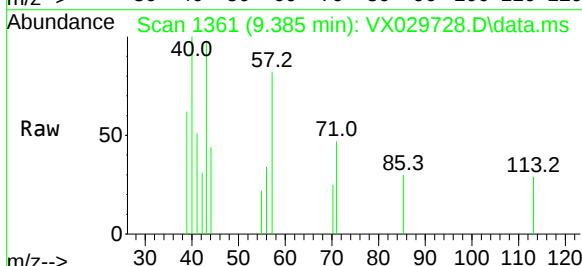
Acq: 23 Jun 2022 07:40

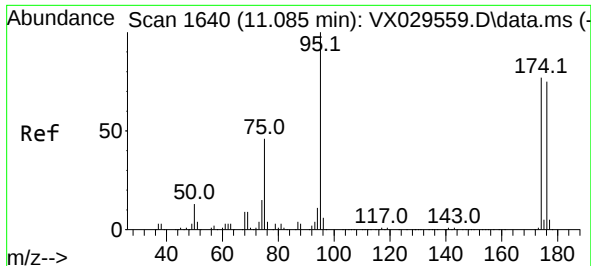
Tgt Ion: 43 Resp: 673

Ion Ratio Lower Upper

43 100

58 0.0 31.9 95.7#

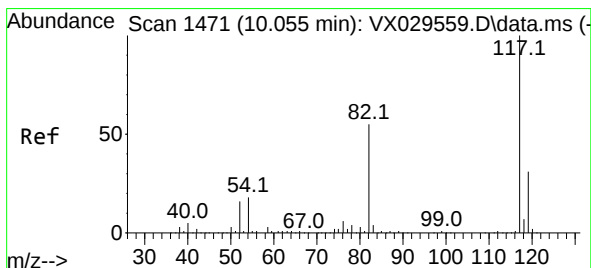
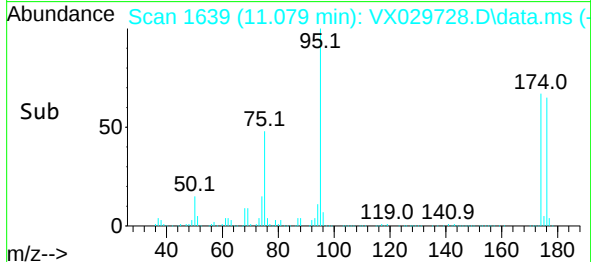
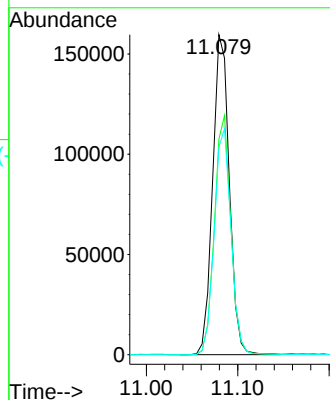
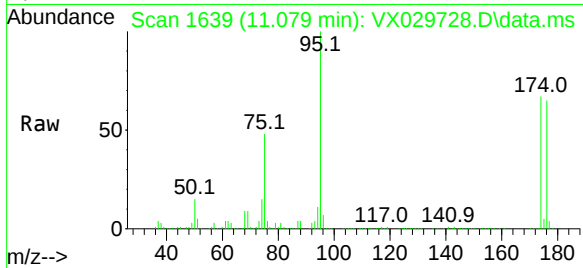




#62
4-Bromofluorobenzene
Concen: 46.234 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

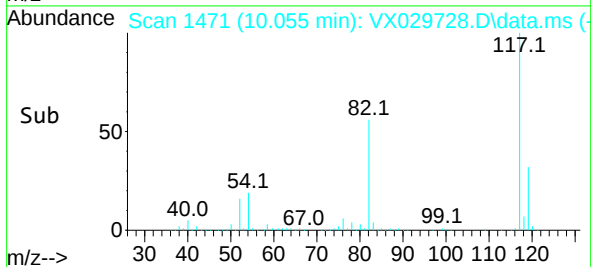
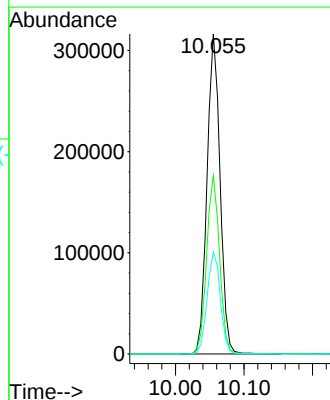
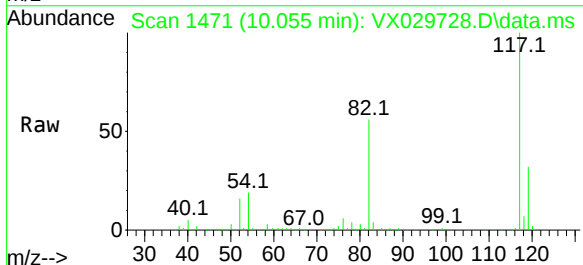
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

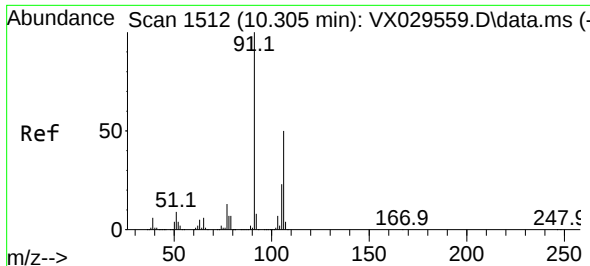
Tgt Ion: 95 Resp: 201425
Ion Ratio Lower Upper
95 100
174 73.8 0.0 163.0
176 71.3 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion: 117 Resp: 418352
Ion Ratio Lower Upper
117 100
82 55.7 41.8 62.8
119 31.9 24.8 37.2

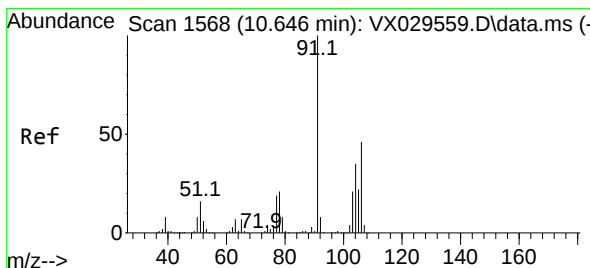
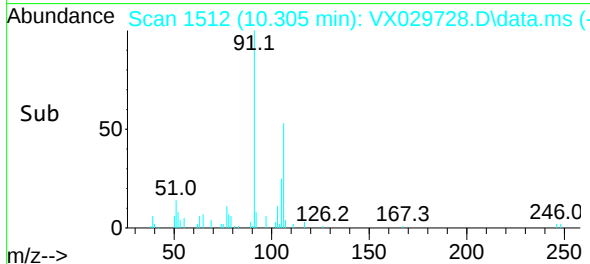
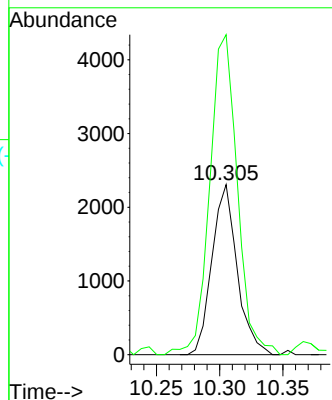
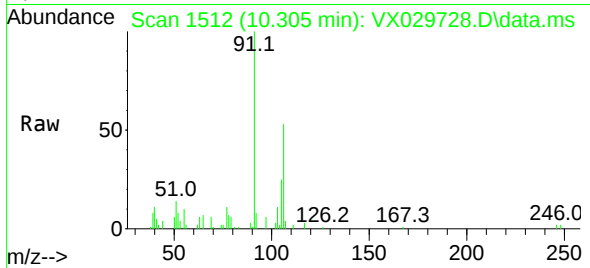




#68
m/p-Xylenes
Concen: 0.555 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. 0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

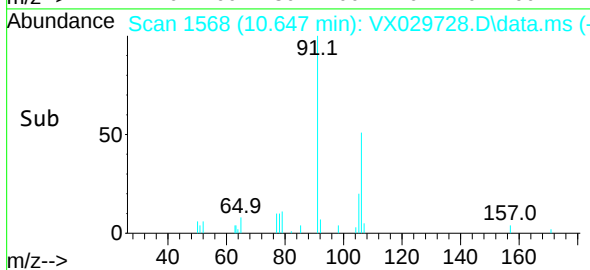
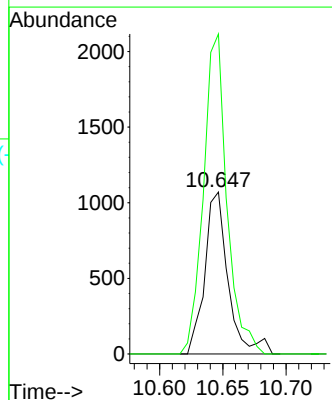
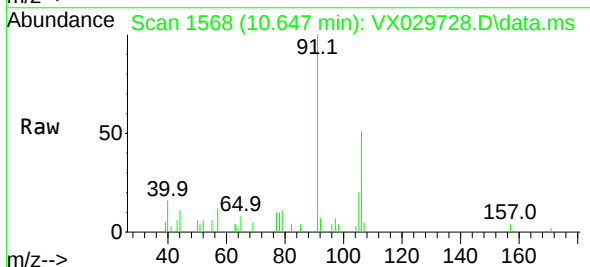
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

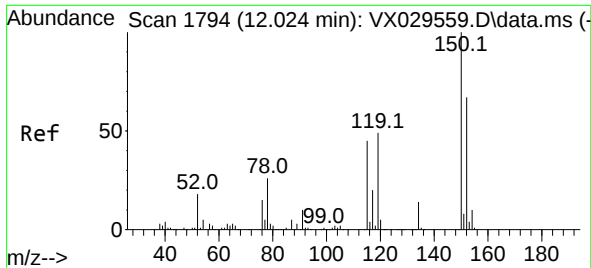
Tgt Ion:106 Resp: 3196
Ion Ratio Lower Upper
106 100
91 205.7 160.4 240.6



#69
o-Xylene
Concen: 0.242 ug/l
RT: 10.647 min Scan# 1568
Delta R.T. 0.001 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion:106 Resp: 1375
Ion Ratio Lower Upper
106 100
91 198.6 106.1 318.1

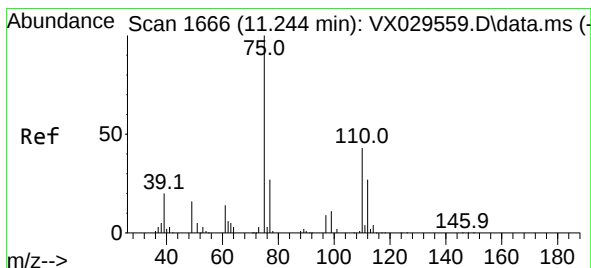
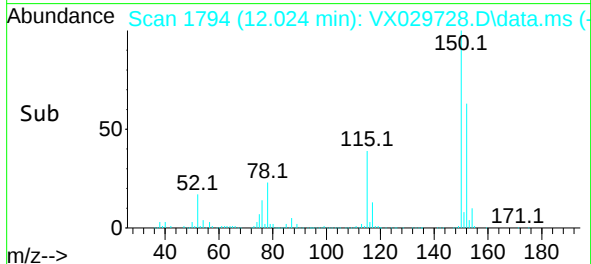
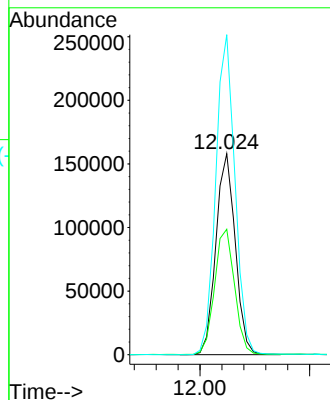
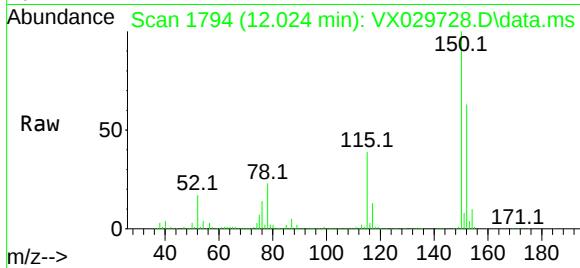




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

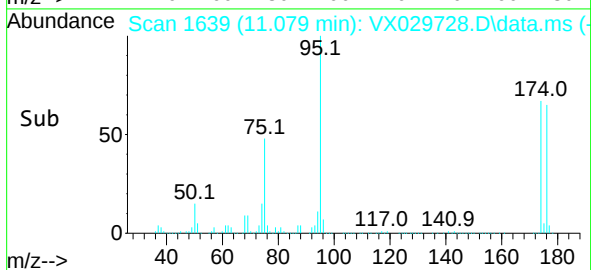
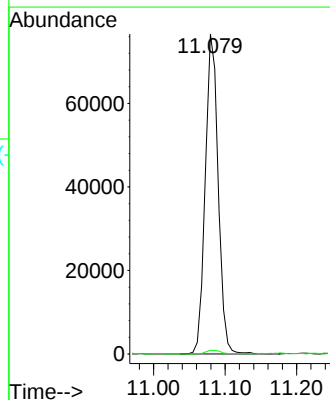
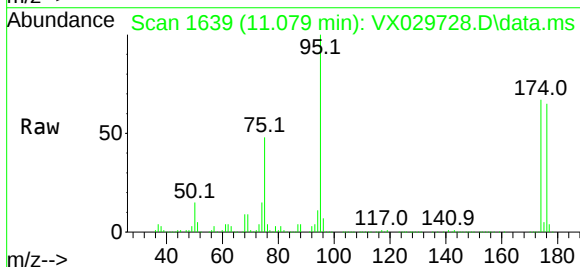
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

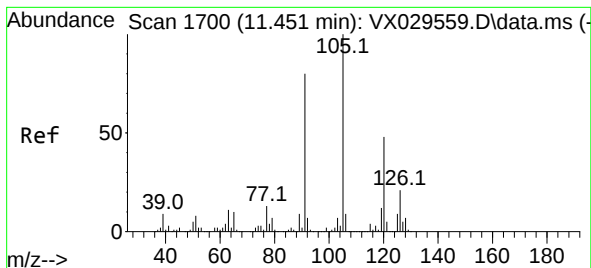
Tgt Ion:	152	Resp:	194283
Ion	Ratio	Lower	Upper
152	100		
115	64.3	37.5	112.7
150	158.1	0.0	338.2



#76
1,2,3-Trichloropropane
Concen: 22.739 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.165 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion:	75	Resp:	96241
Ion	Ratio	Lower	Upper
75	100		
77	1.5	19.4	58.2#





#80

1,3,5-Trimethylbenzene

Concen: 0.376 ug/l

RT: 11.451 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX029728.D

Acq: 23 Jun 2022 07:40

Instrument :

MSVOA_X

ClientSampleId :

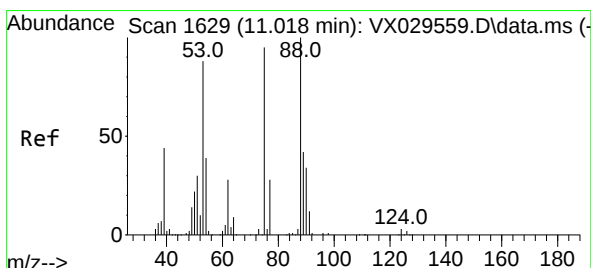
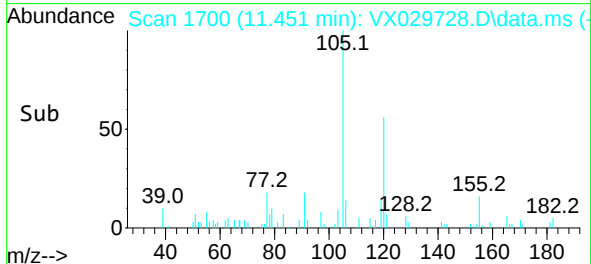
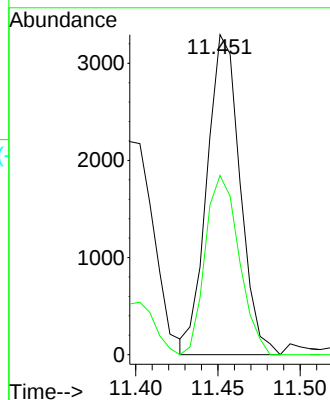
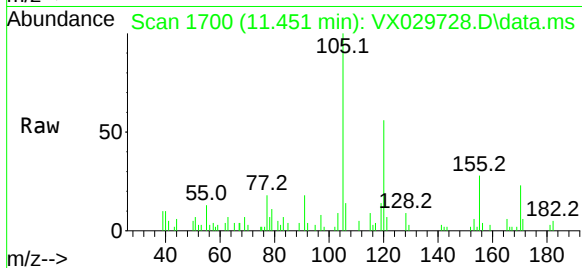
WC-14A-1A-13-GR

Tgt Ion:105 Resp: 4607

Ion Ratio Lower Upper

105 100

120 57.2 24.3 72.9



#81

trans-1,4-Dichloro-2-butene

Concen: 75.646 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.061 min

Lab File: VX029728.D

Acq: 23 Jun 2022 07:40

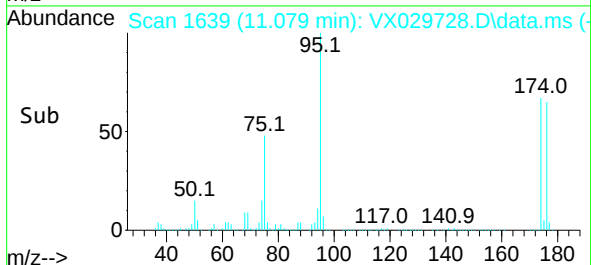
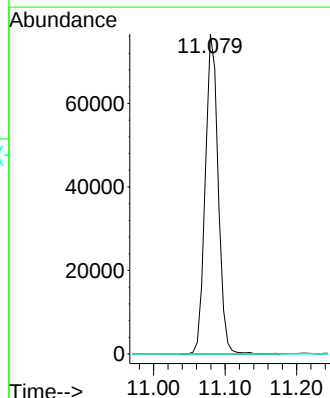
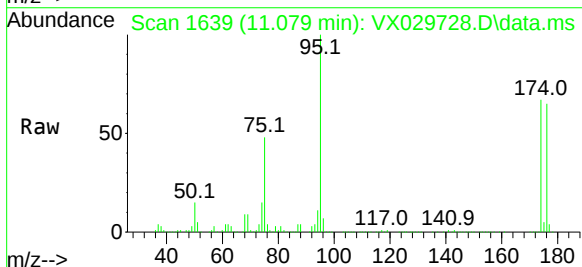
Tgt Ion: 75 Resp: 96241

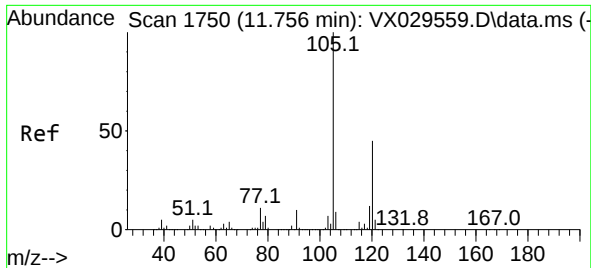
Ion Ratio Lower Upper

75 100

53 0.0 69.0 103.4#

89 0.0 37.0 55.6#

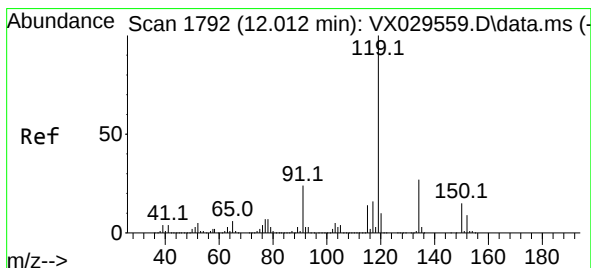
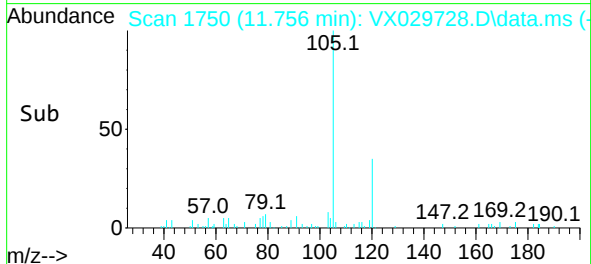
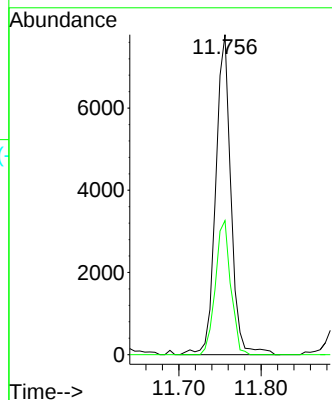
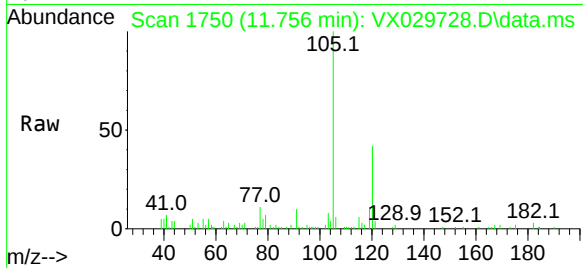




#84
1,2,4-Trimethylbenzene
Concen: 0.815 ug/l
RT: 11.756 min Scan# 1750
Delta R.T. 0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

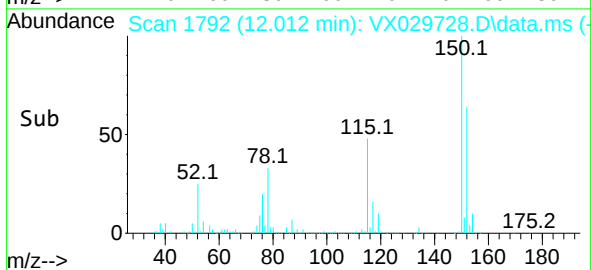
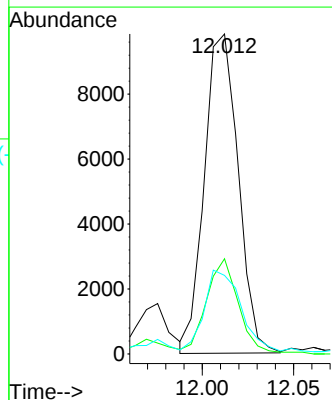
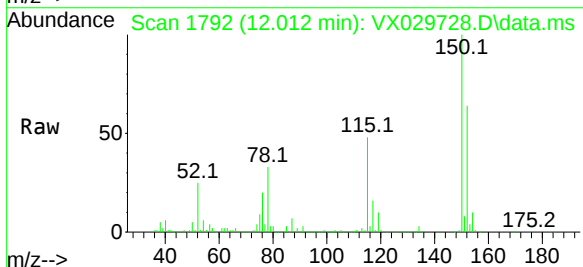
Instrument :
MSVOA_X
ClientSampleId :
WC-14A-1A-13-GR

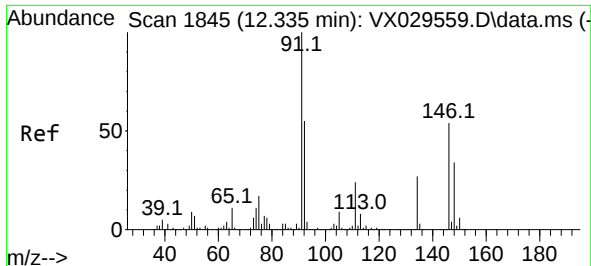
Tgt Ion:105 Resp: 9976
Ion Ratio Lower Upper
105 100
120 42.1 22.6 67.8



#86
p-Isopropyltoluene
Concen: 1.020 ug/l
RT: 12.012 min Scan# 1792
Delta R.T. 0.000 min
Lab File: VX029728.D
Acq: 23 Jun 2022 07:40

Tgt Ion:119 Resp: 12660
Ion Ratio Lower Upper
119 100
134 28.5 13.0 39.0
91 27.9 11.3 33.9





#89

n-Butylbenzene

Concen: 0.205 ug/l

RT: 12.329 min Scan# 11

Delta R.T. -0.006 min

Lab File: VX029728.D

Acq: 23 Jun 2022 07:40

Instrument :

MSVOA_X

ClientSampleId :

WC-14A-1A-13-GR

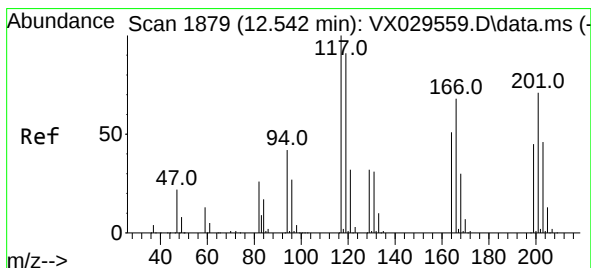
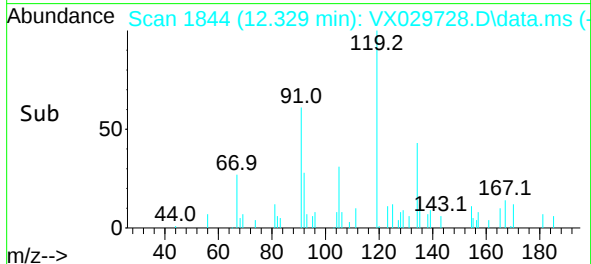
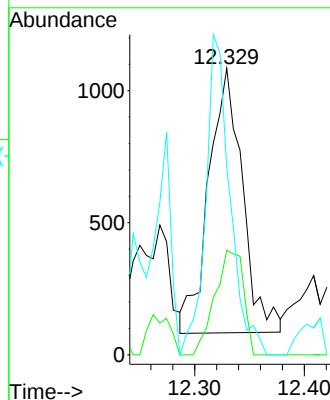
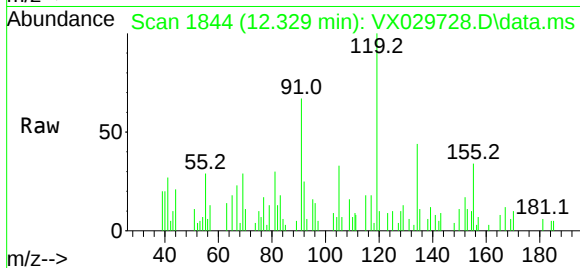
Tgt Ion: 91 Resp: 2143

Ion Ratio Lower Upper

91 100

92 33.3 27.8 83.3

134 86.9 13.3 39.8#



#90

Hexachloroethane

Concen: 0.286 ug/l

RT: 12.549 min Scan# 1880

Delta R.T. 0.007 min

Lab File: VX029728.D

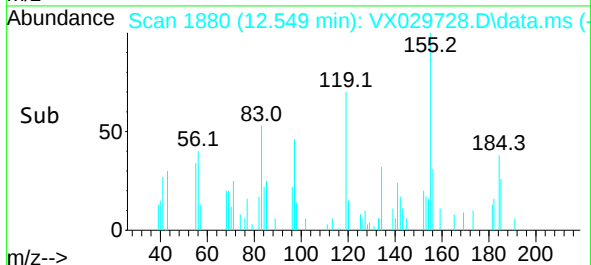
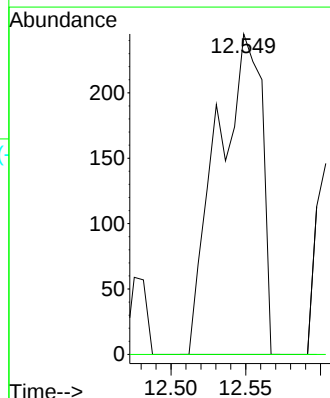
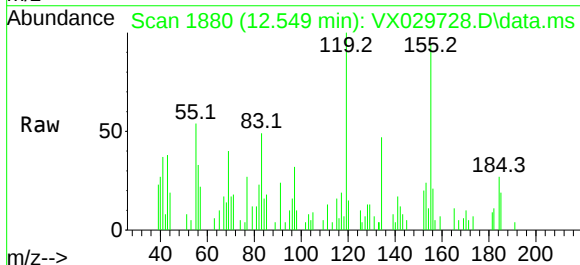
Acq: 23 Jun 2022 07:40

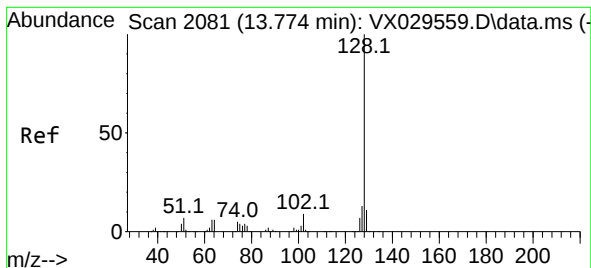
Tgt Ion: 117 Resp: 508

Ion Ratio Lower Upper

117 100

201 0.0 39.5 118.5#





#95

Naphthalene

Concen: 0.296 ug/l

RT: 13.780 min Scan# 2082

Delta R.T. 0.006 min

Lab File: VX029728.D

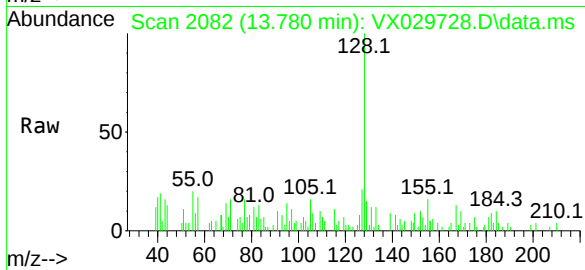
Acq: 23 Jun 2022 07:40

Instrument :

MSVOA_X

ClientSampleId :

WC-14A-1A-13-GR



Tgt Ion:128 Resp: 4040

Ion Ratio Lower Upper

128 100

127 26.4 10.2 15.4#

129 9.4 8.7 13.1

