

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060922\
 Data File : VX029358.D
 Acq On : 09 Jun 2022 20:18
 Operator : JC/MD
 Sample : N3283-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220608036-02-VOA

Quant Time: Jun 10 08:10:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060722W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 08 03:00:38 2022
 Response via : Initial Calibration

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

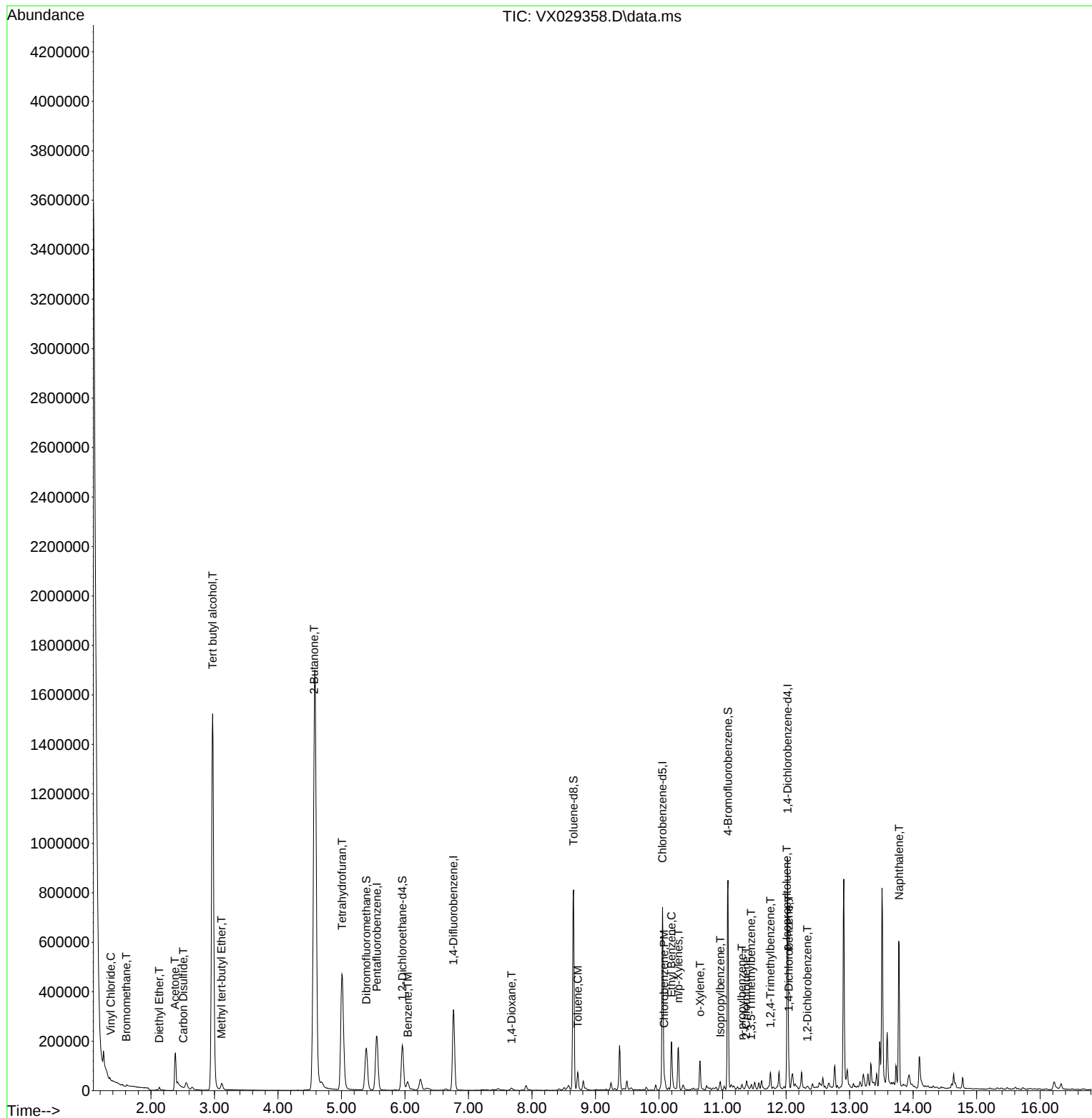
Internal Standards						
1) Pentafluorobenzene	5.556	168	206371	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	6.763	114	344387	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	321406	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177909	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	177125	56.616	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 113.240%	
35) Dibromofluoromethane	5.391	113	148358	50.673	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 101.340%	
50) Toluene-d8	8.653	98	493994	47.707	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 95.420%	
62) 4-Bromofluorobenzene	11.085	95	241416	59.577	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 119.160%	
Target Compounds						
						Qvalue
4) Vinyl Chloride	1.367	62	999	0.275	ug/l	93
5) Bromomethane	1.611	94	719	0.370	ug/l	95
8) Diethyl Ether	2.130	74	4011	1.946	ug/l	63
11) Tert butyl alcohol	2.971	59	2042273	2795.309	ug/l	100
16) Acetone	2.379	43	148502	88.951	ug/l	96
17) Carbon Disulfide	2.507	76	2022	0.265	ug/l	98
19) Methyl tert-butyl Ether	3.111	73	28640	2.674	ug/l	92
25) 2-Butanone	4.568	43	302425	114.517	ug/l	94
29) Tetrahydrofuran	5.007	42	421813	245.081	ug/l	93
40) Benzene	6.043	78	41307	2.869	ug/l	98
49) 1,4-Dioxane	7.677	88	7663m	78.972	ug/l	
52) Toluene	8.720	92	22231	2.405	ug/l	99
65) Chlorobenzene	10.079	112	15970	1.802	ug/l	98
67) Ethyl Benzene	10.195	91	113275	7.275	ug/l	99
68) m/p-Xylenes	10.305	106	40290	6.688	ug/l	99
69) o-Xylene	10.646	106	25168	4.299	ug/l	97
73) Isopropylbenzene	10.963	105	13157	0.939	ug/l	98
78) n-propylbenzene	11.305	91	6748	0.425	ug/l	95
79) 2-Chlorotoluene	11.372	91	5031	0.514	ug/l	76
80) 1,3,5-Trimethylbenzene	11.451	105	7794	0.655	ug/l	96
84) 1,2,4-Trimethylbenzene	11.756	105	29367	2.502	ug/l	97
86) p-Isopropyltoluene	12.012	119	14392	1.212	ug/l	92
88) 1,4-Dichlorobenzene	12.042	146	24695	3.869	ug/l	90
91) 1,2-Dichlorobenzene	12.335	146	2205	0.354	ug/l	91
95) Naphthalene	13.780	128	364494	28.116	ug/l	100

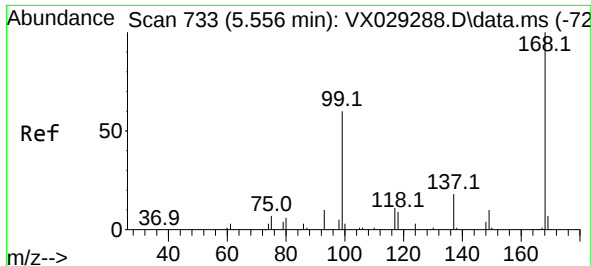
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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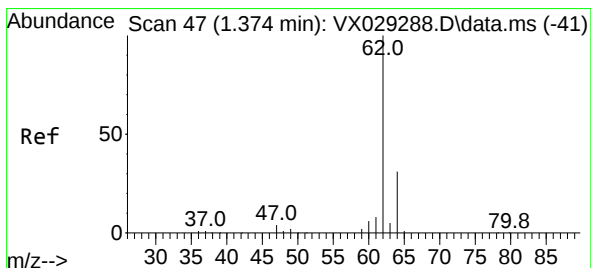
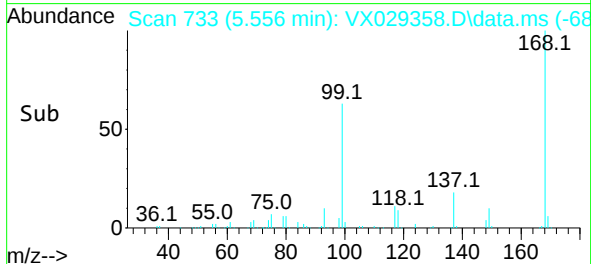
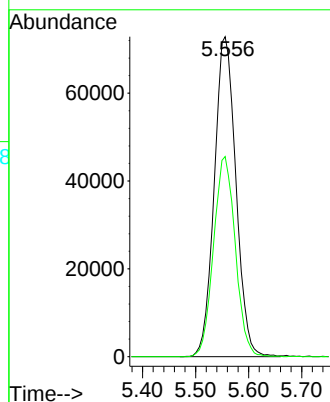
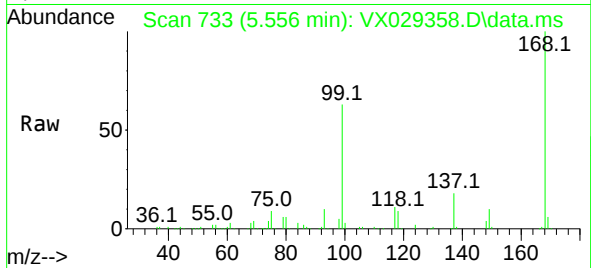




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

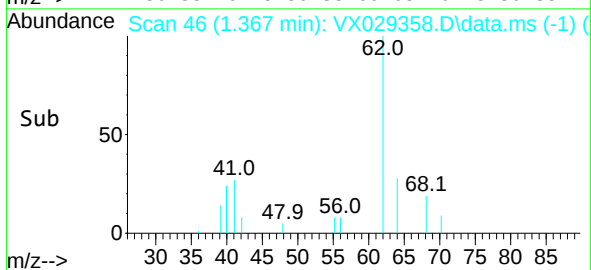
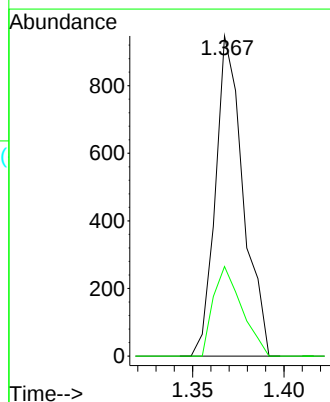
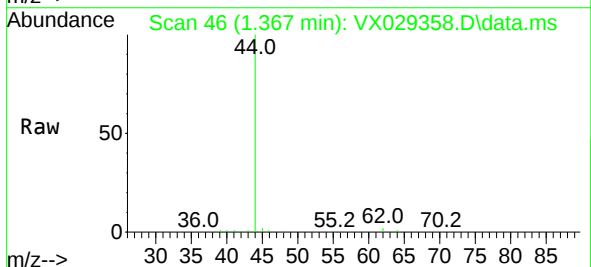
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

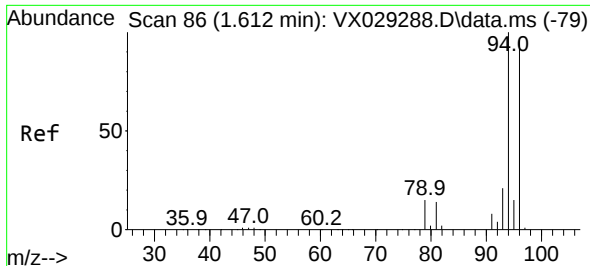
Tgt Ion:168 Resp: 206371
Ion Ratio Lower Upper
168 100
99 62.6 41.7 62.5#



#4
Vinyl Chloride
Concen: 0.275 ug/l
RT: 1.367 min Scan# 46
Delta R.T. -0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

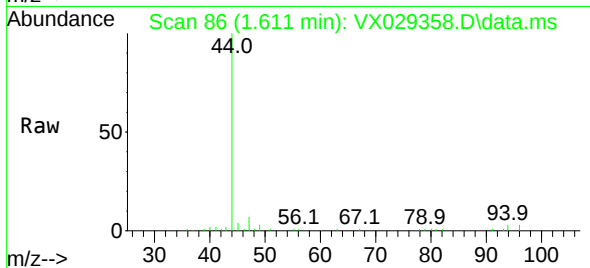
Tgt Ion: 62 Resp: 999
Ion Ratio Lower Upper
62 100
64 28.0 25.5 38.3



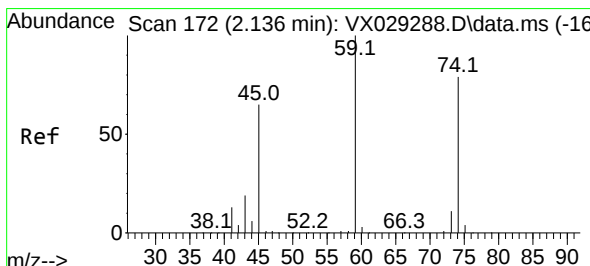
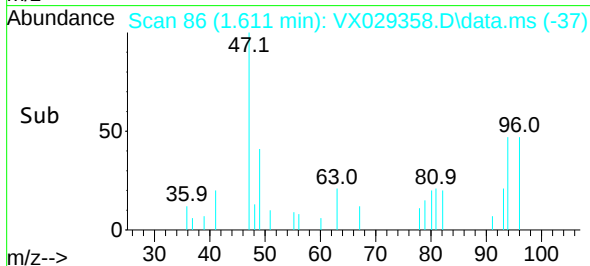
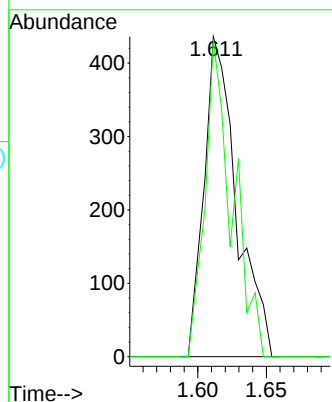


#5
Bromomethane
Concen: 0.370 ug/l
RT: 1.611 min Scan# 80
Delta R.T. -0.001 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

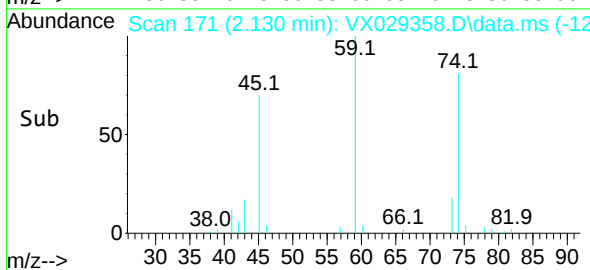
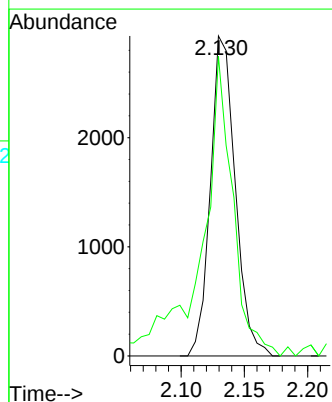
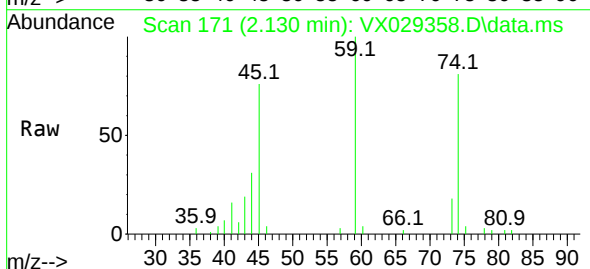


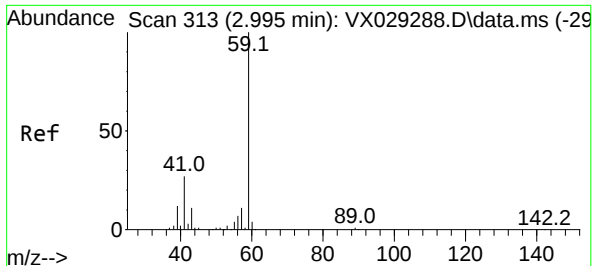
Tgt Ion: 94 Resp: 719
Ion Ratio Lower Upper
94 100
96 99.1 75.3 112.9



#8
Diethyl Ether
Concen: 1.946 ug/l
RT: 2.130 min Scan# 171
Delta R.T. -0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 74 Resp: 4011
Ion Ratio Lower Upper
74 100
45 117.7 42.0 126.0

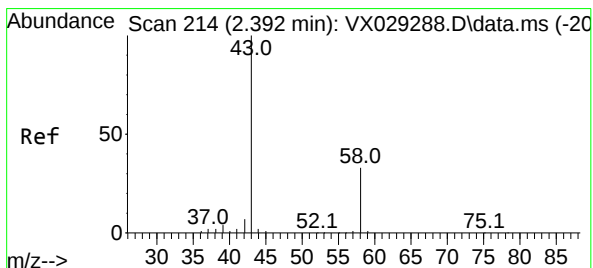
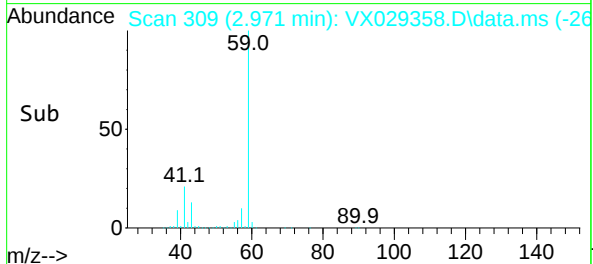
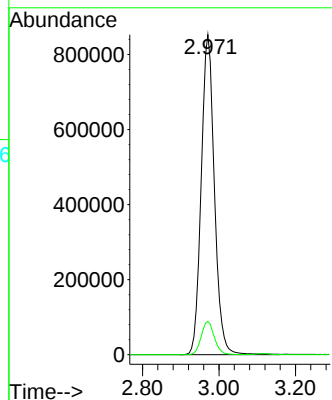
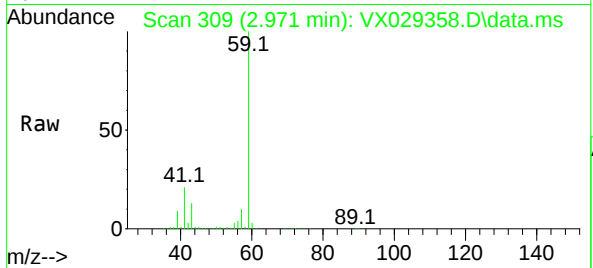




#11
Tert butyl alcohol
Concen: 2795.309 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

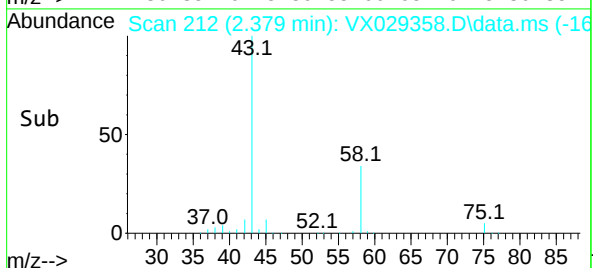
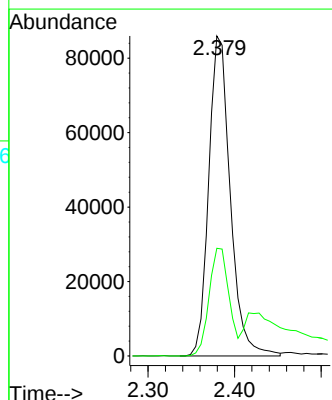
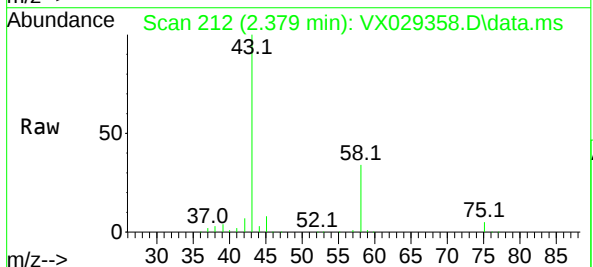
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

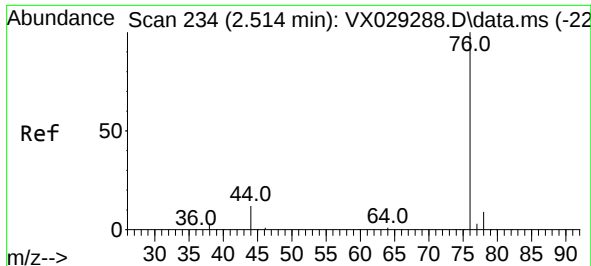
Tgt Ion: 59 Resp: 2042273
Ion Ratio Lower Upper
59 100
57 10.3 8.3 12.5



#16
Acetone
Concen: 88.951 ug/l
RT: 2.379 min Scan# 212
Delta R.T. -0.012 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 43 Resp: 148502
Ion Ratio Lower Upper
43 100
58 33.7 28.8 43.2

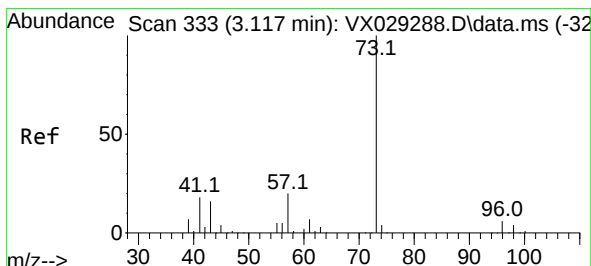
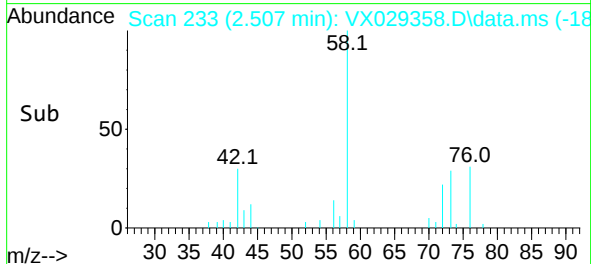
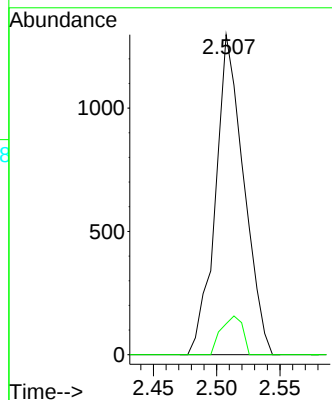
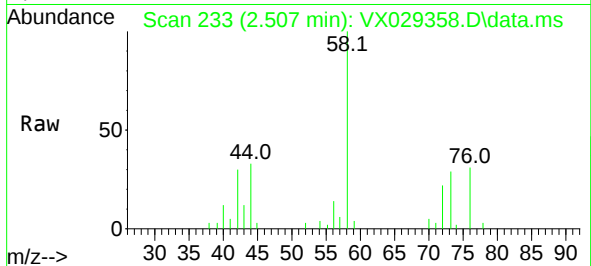




#17
Carbon Disulfide
Concen: 0.265 ug/l
RT: 2.507 min Scan# 21
Delta R.T. -0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

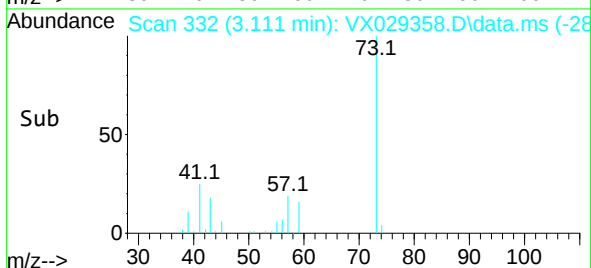
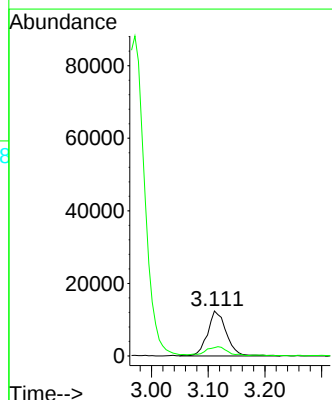
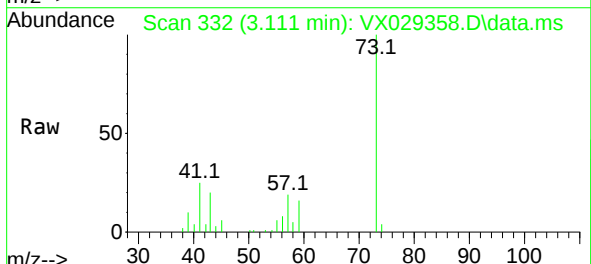
Instrument :
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ClientSampleId :
220608036-02-VOA

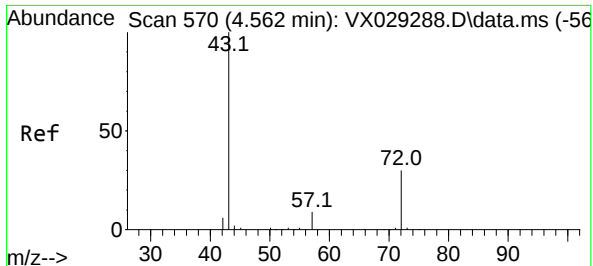
Tgt Ion: 76 Resp: 2022
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#19
Methyl tert-butyl Ether
Concen: 2.674 ug/l
RT: 3.111 min Scan# 332
Delta R.T. -0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 73 Resp: 28640
Ion Ratio Lower Upper
73 100
57 17.4 16.8 25.2

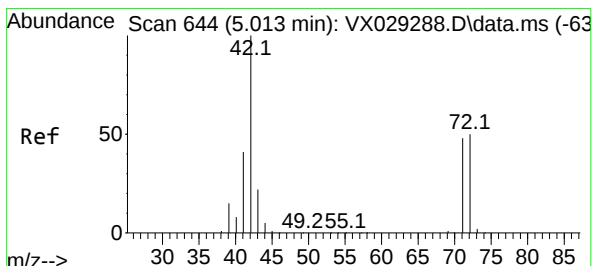
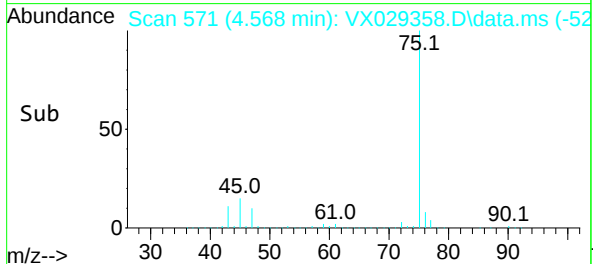
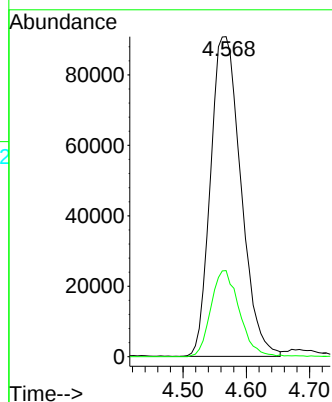
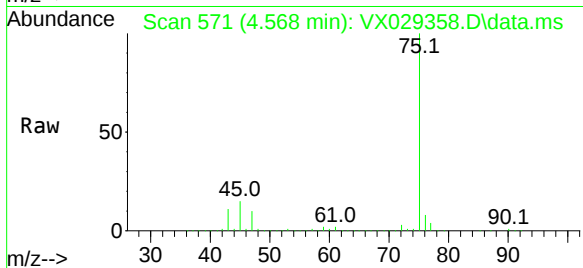




#25
2-Butanone
Concen: 114.517 ug/l
RT: 4.568 min Scan# 51
Delta R.T. 0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

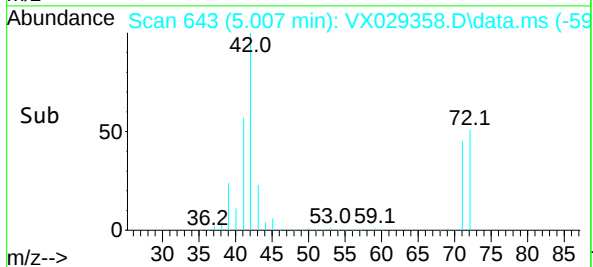
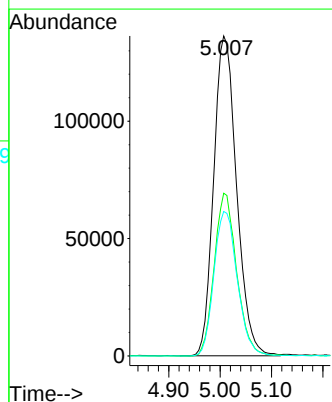
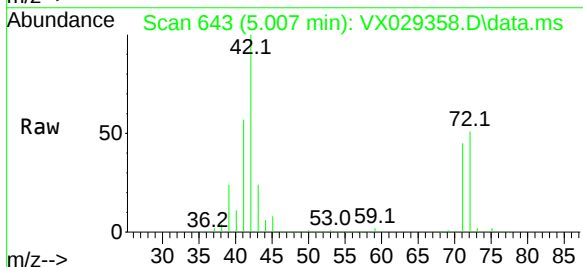
Instrument :
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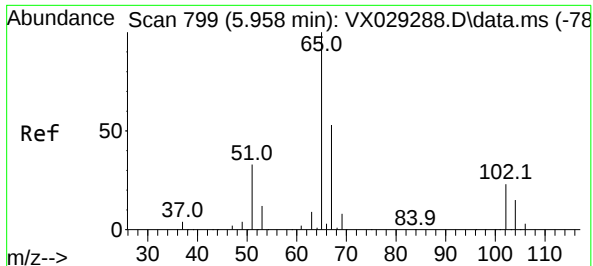
Tgt Ion: 43 Resp: 302425
Ion Ratio Lower Upper
43 100
72 27.0 24.4 36.6



#29
Tetrahydrofuran
Concen: 245.081 ug/l
RT: 5.007 min Scan# 643
Delta R.T. -0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 42 Resp: 421813
Ion Ratio Lower Upper
42 100
72 49.9 44.1 66.1
71 46.1 40.5 60.7





#33

1,2-Dichloroethane-d4

Concen: 56.616 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX029358.D

Acq: 09 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

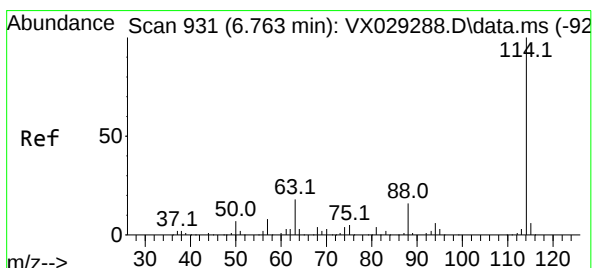
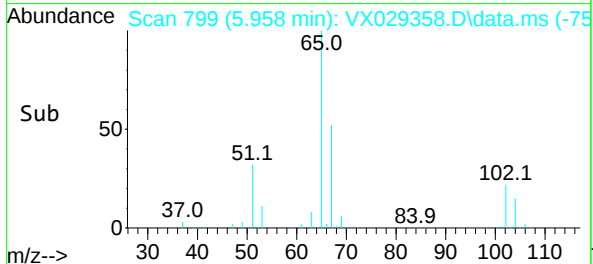
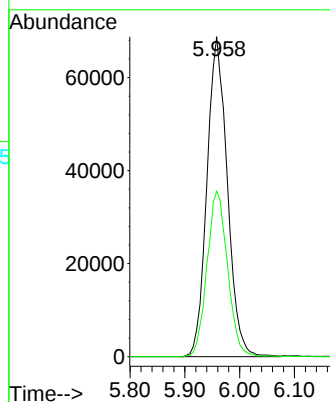
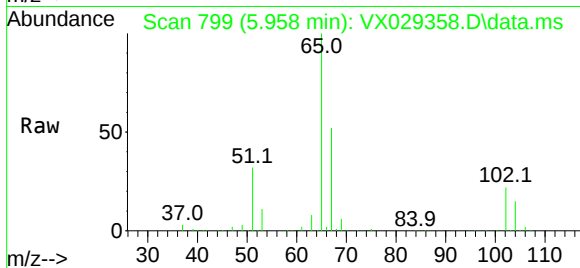
220608036-02-VOA

Tgt Ion: 65 Resp: 177125

Ion Ratio Lower Upper

65 100

67 52.2 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: VX029358.D

Acq: 09 Jun 2022 20:18

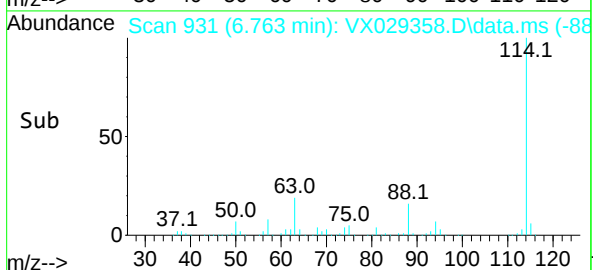
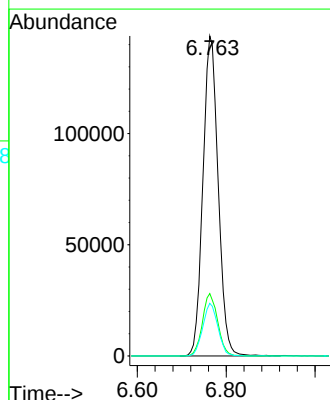
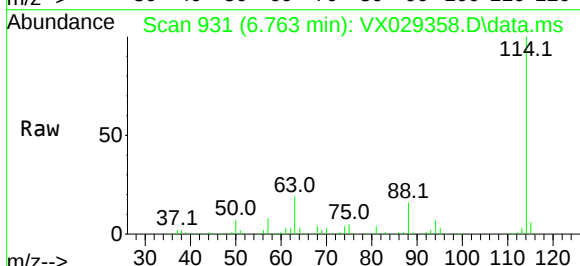
Tgt Ion: 114 Resp: 344387

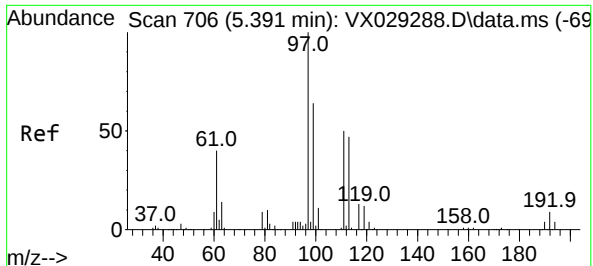
Ion Ratio Lower Upper

114 100

63 19.5 0.0 36.8

88 16.5 0.0 32.4





#35

Dibromofluoromethane

Concen: 50.673 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.000 min

Lab File: VX029358.D

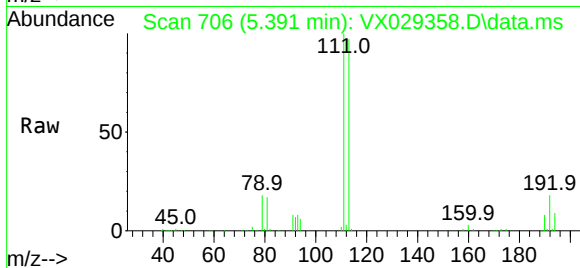
Acq: 09 Jun 2022 20:18

Instrument :

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220608036-02-VOA



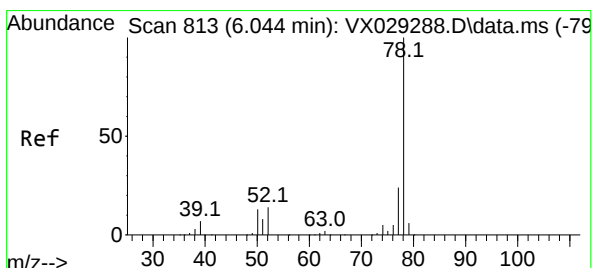
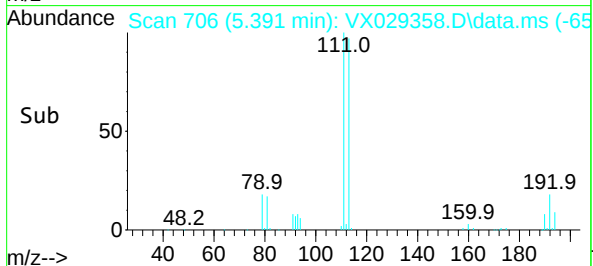
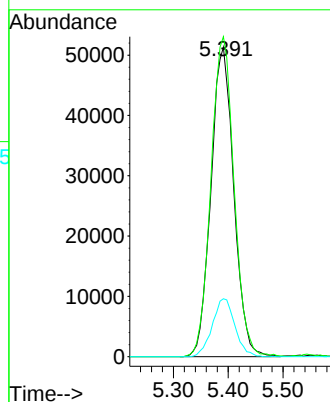
Tgt Ion:113 Resp: 148358

Ion Ratio Lower Upper

113 100

111 104.6 82.8 124.2

192 18.6 16.9 25.3



#40

Benzene

Concen: 2.869 ug/l

RT: 6.043 min Scan# 813

Delta R.T. -0.000 min

Lab File: VX029358.D

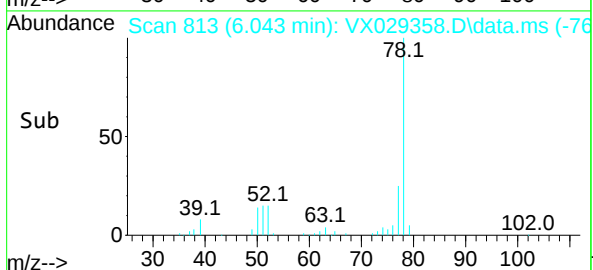
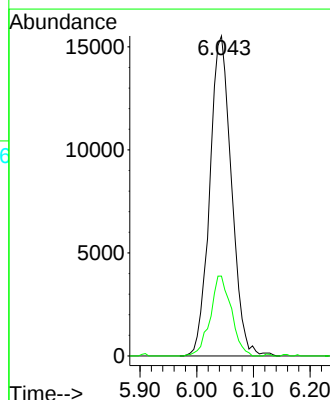
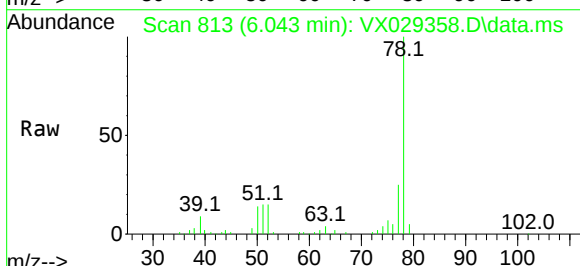
Acq: 09 Jun 2022 20:18

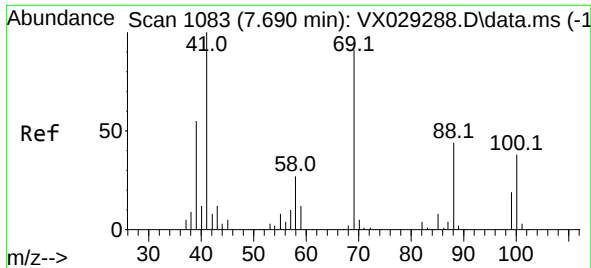
Tgt Ion: 78 Resp: 41307

Ion Ratio Lower Upper

78 100

77 25.0 19.3 28.9





#49

1,4-Dioxane

Concen: 78.972 ug/l m

RT: 7.677 min Scan# 1081

Delta R.T. -0.012 min

Lab File: VX029358.D

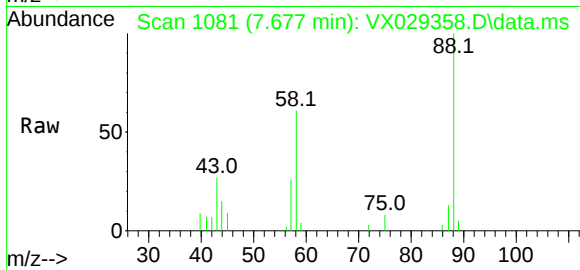
Acq: 09 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

220608036-02-VOA



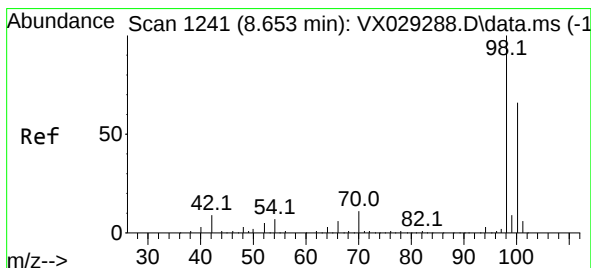
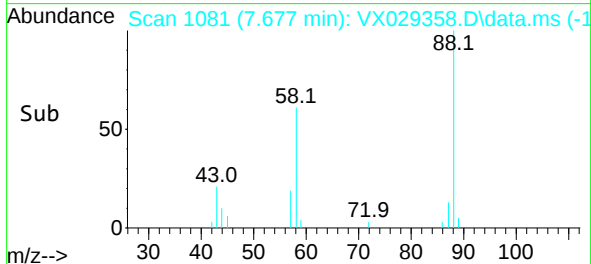
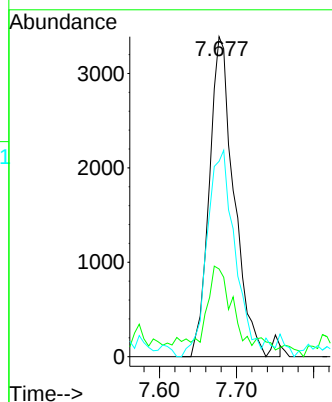
Tgt Ion: 88 Resp: 7663

Ion Ratio Lower Upper

88 100

43 0.0 21.9 32.9#

58 0.0 53.7 80.5#



#50

Toluene-d8

Concen: 47.707 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX029358.D

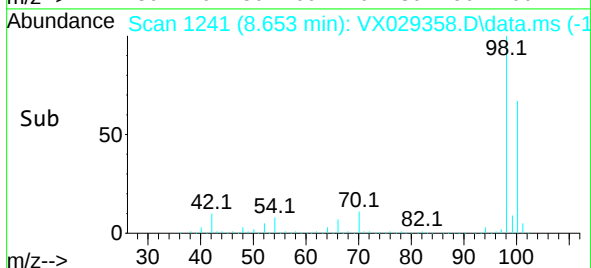
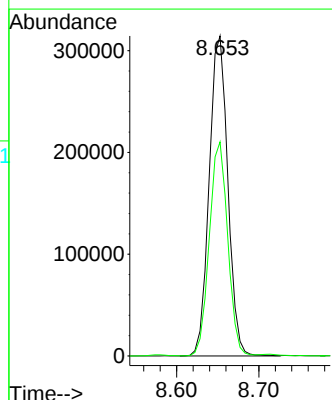
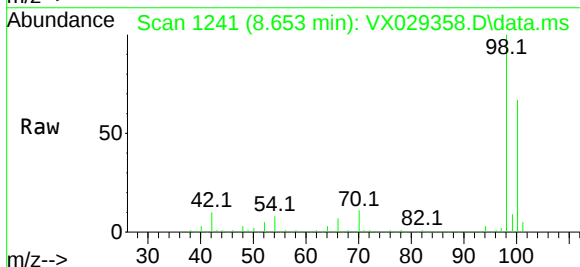
Acq: 09 Jun 2022 20:18

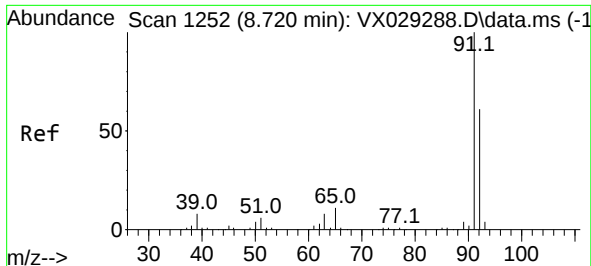
Tgt Ion: 98 Resp: 493994

Ion Ratio Lower Upper

98 100

100 66.1 52.6 78.8

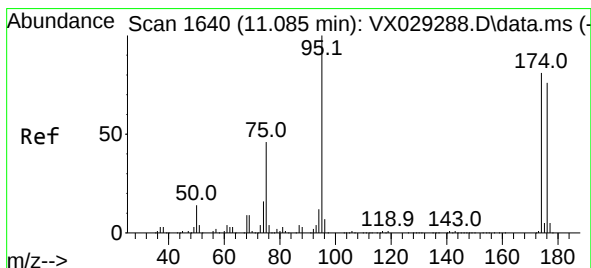
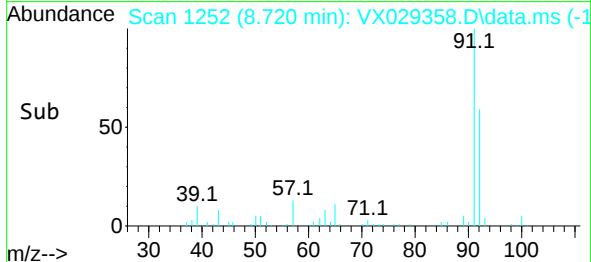
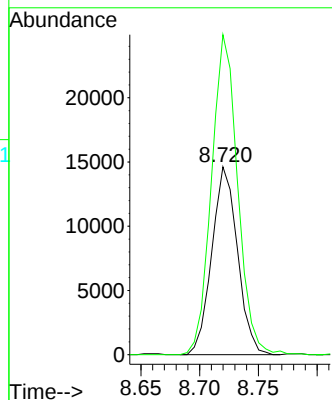
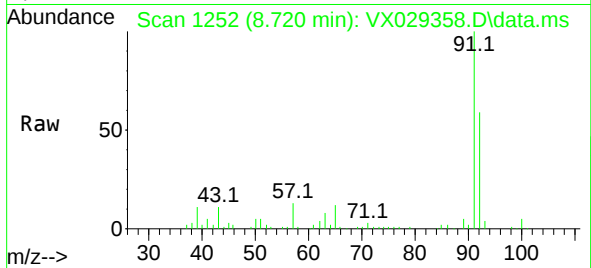




#52
Toluene
Concen: 2.405 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

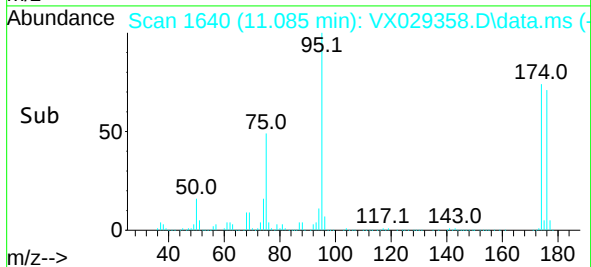
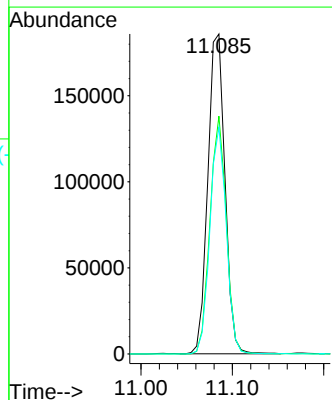
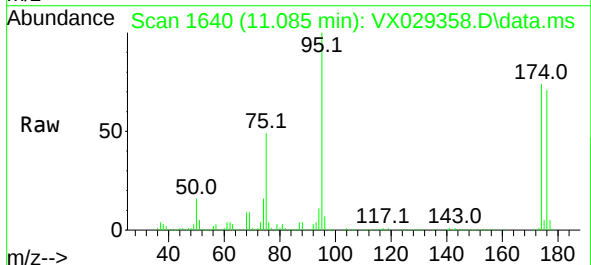
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

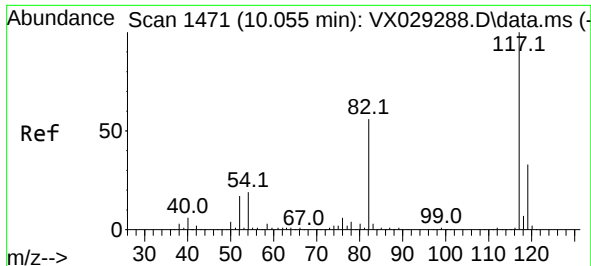
Tgt Ion: 92 Resp: 22231
Ion Ratio Lower Upper
92 100
91 173.4 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 59.577 ug/l
RT: 11.085 min Scan# 1640
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 95 Resp: 241416
Ion Ratio Lower Upper
95 100
174 71.0 0.0 163.0
176 67.7 0.0 155.0

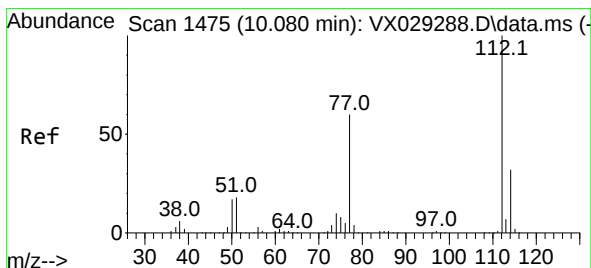
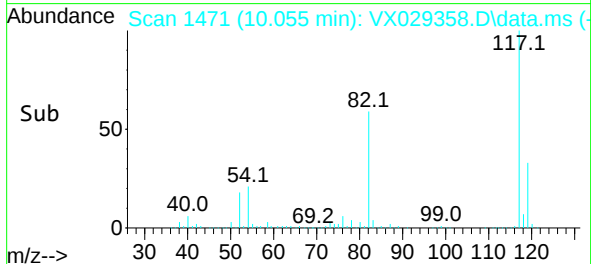
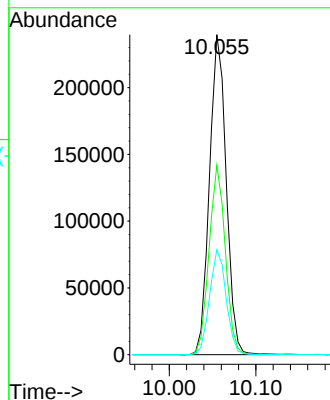
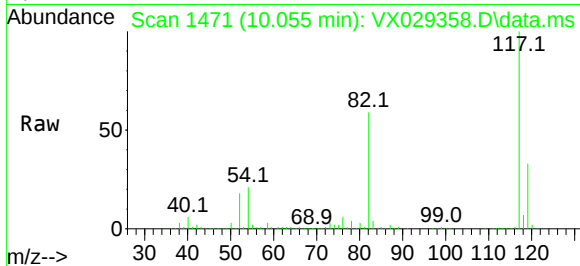




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

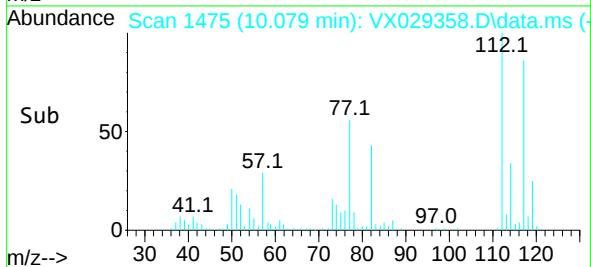
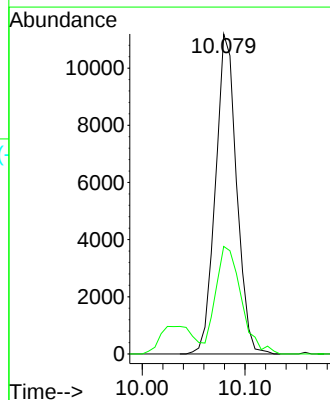
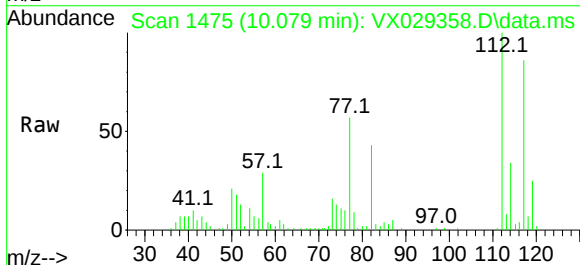
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

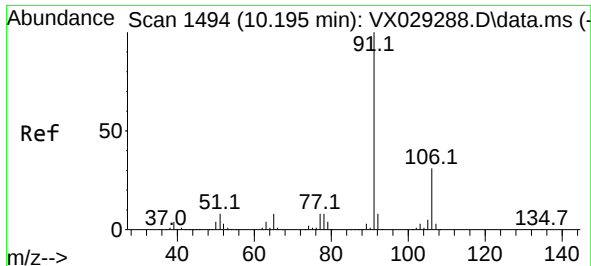
Tgt Ion:117 Resp: 321406
Ion Ratio Lower Upper
117 100
82 59.2 41.8 62.8
119 32.7 24.8 37.2



#65
Chlorobenzene
Concen: 1.802 ug/l
RT: 10.079 min Scan# 1475
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion:112 Resp: 15970
Ion Ratio Lower Upper
112 100
114 33.6 25.8 38.8





#67

Ethyl Benzene

Concen: 7.275 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. -0.000 min

Lab File: VX029358.D

Acq: 09 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

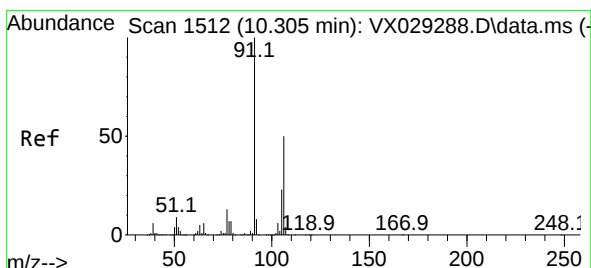
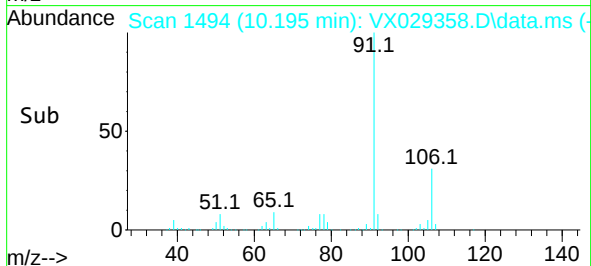
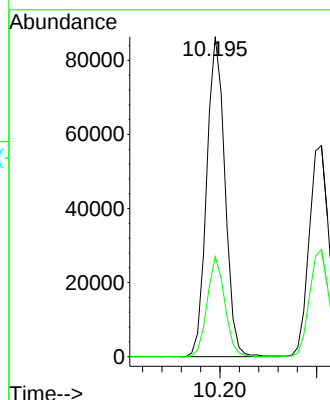
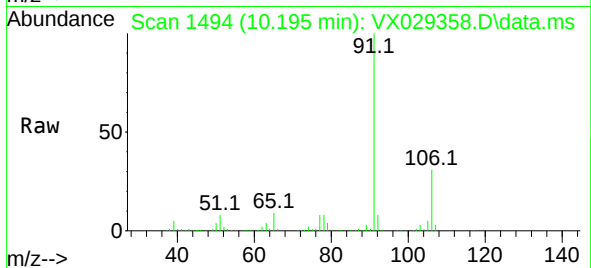
220608036-02-VOA

Tgt Ion: 91 Resp: 113275

Ion Ratio Lower Upper

91 100

106 31.2 24.6 36.8



#68

m/p-Xylenes

Concen: 6.688 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. -0.000 min

Lab File: VX029358.D

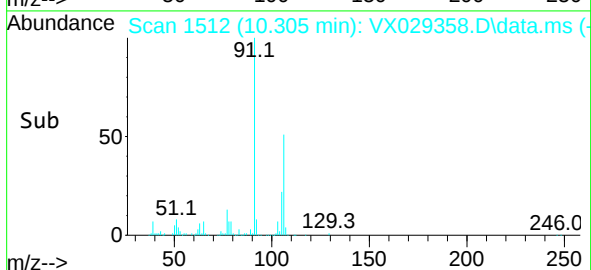
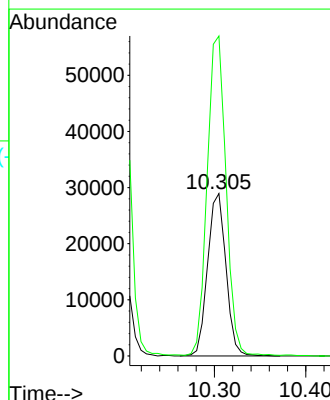
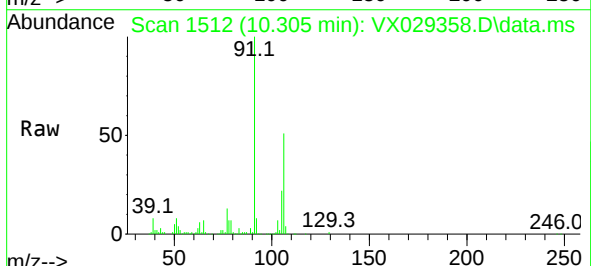
Acq: 09 Jun 2022 20:18

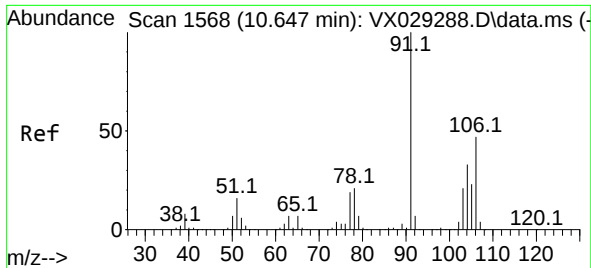
Tgt Ion: 106 Resp: 40290

Ion Ratio Lower Upper

106 100

91 201.6 160.4 240.6

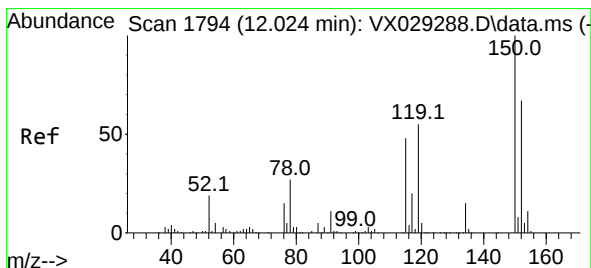
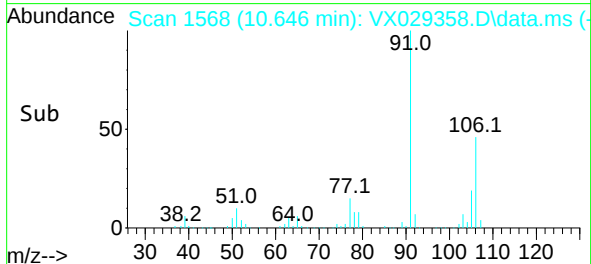
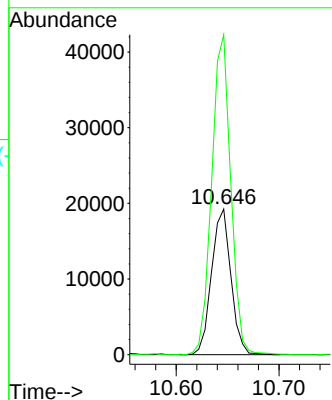
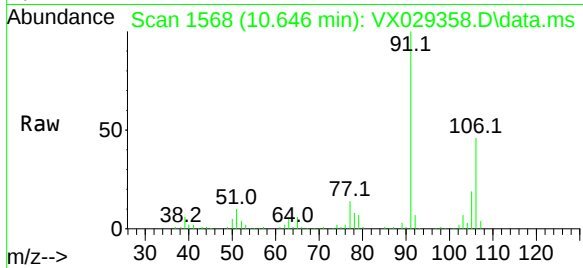




#69
o-Xylene
Concen: 4.299 ug/l
RT: 10.646 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

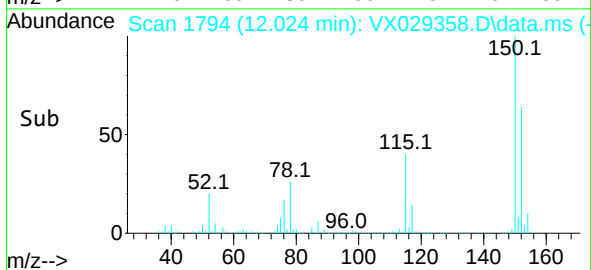
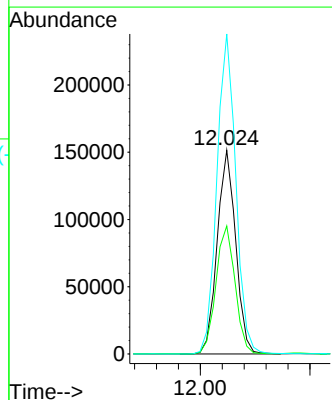
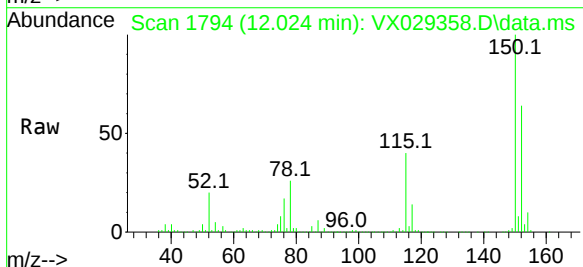
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

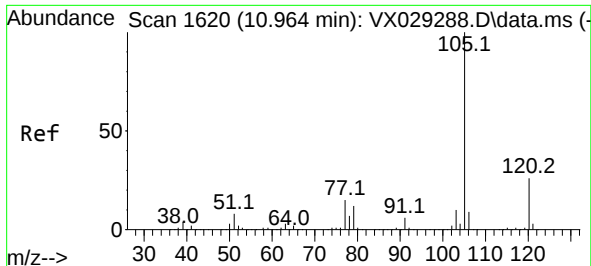
Tgt Ion:106 Resp: 25168
Ion Ratio Lower Upper
106 100
91 216.4 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion:152 Resp: 177909
Ion Ratio Lower Upper
152 100
115 64.9 37.5 112.7
150 160.3 0.0 338.2

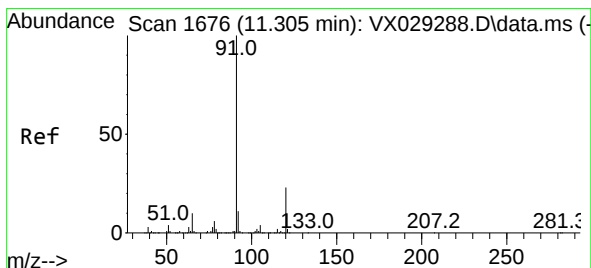
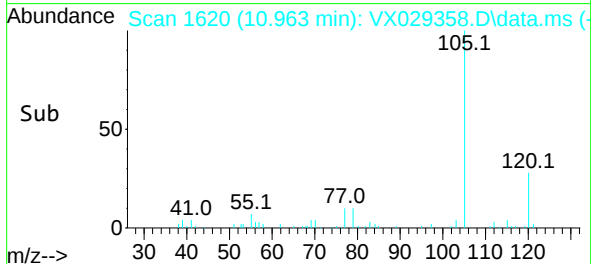
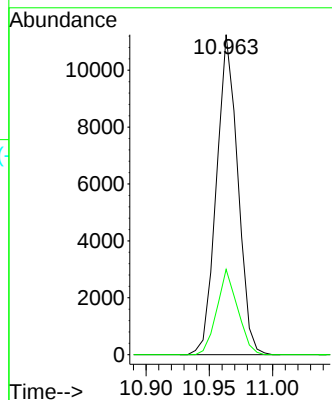
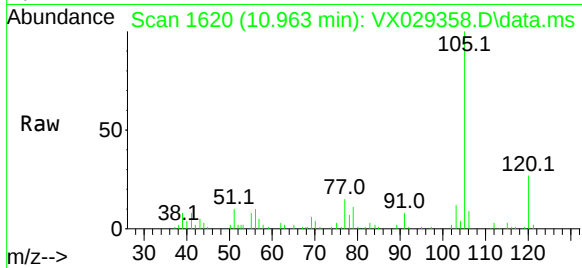




#73
Isopropylbenzene
Concen: 0.939 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

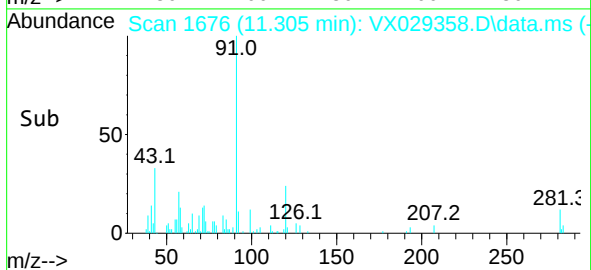
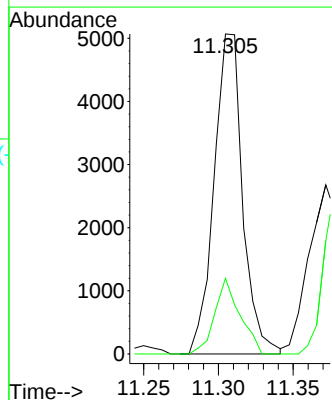
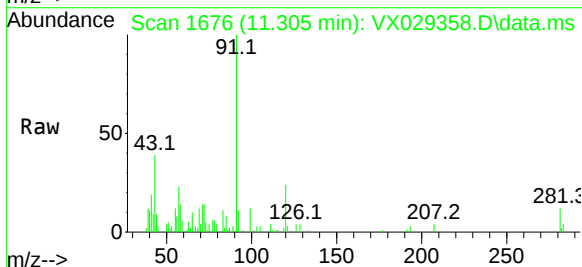
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

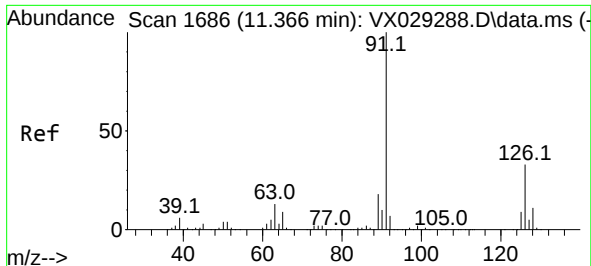
Tgt Ion:105 Resp: 13157
Ion Ratio Lower Upper
105 100
120 26.0 13.5 40.5



#78
n-propylbenzene
Concen: 0.425 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 91 Resp: 6748
Ion Ratio Lower Upper
91 100
120 20.8 11.6 34.8

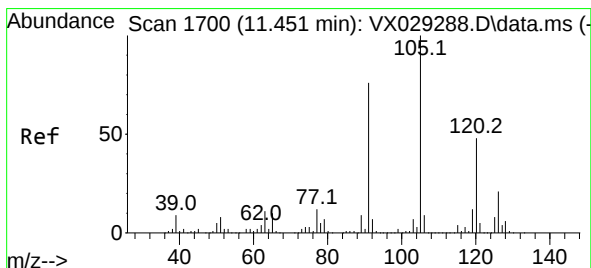
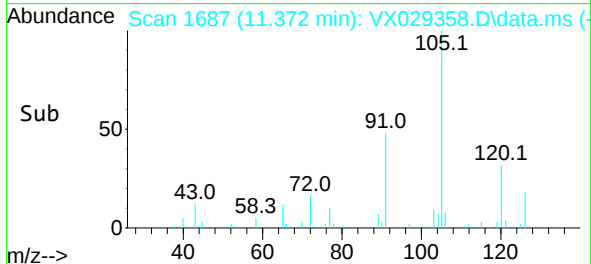
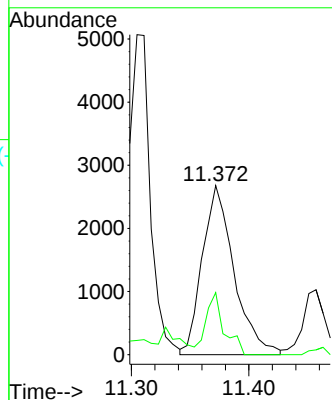
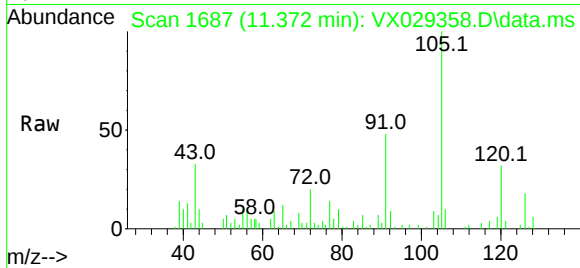




#79
2-Chlorotoluene
Concen: 0.514 ug/l
RT: 11.372 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

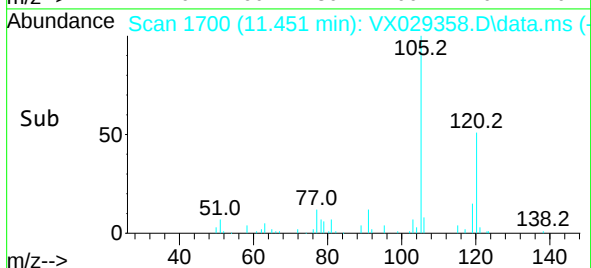
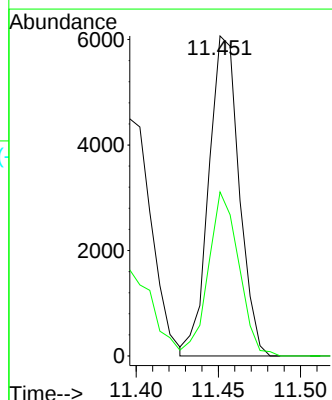
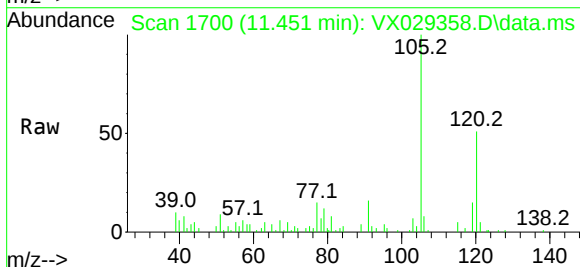
Instrument :
MSVOA_X
ClientSampleId :
220608036-02-VOA

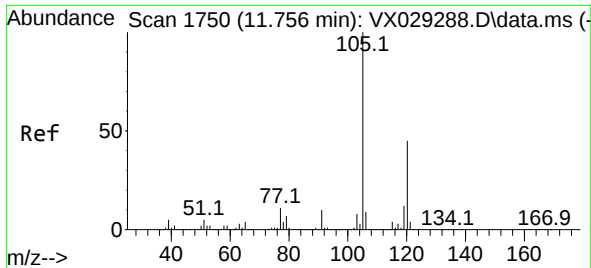
Tgt Ion: 91 Resp: 5031
Ion Ratio Lower Upper
91 100
126 20.7 17.3 51.9



#80
1,3,5-Trimethylbenzene
Concen: 0.655 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX029358.D
Acq: 09 Jun 2022 20:18

Tgt Ion: 105 Resp: 7794
Ion Ratio Lower Upper
105 100
120 51.2 24.3 72.9

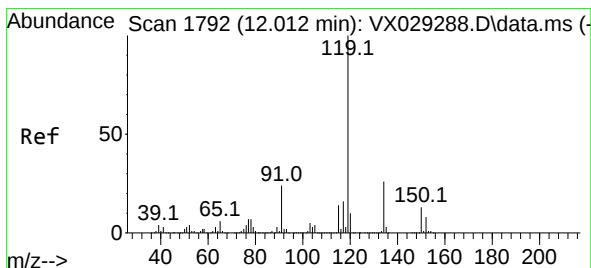
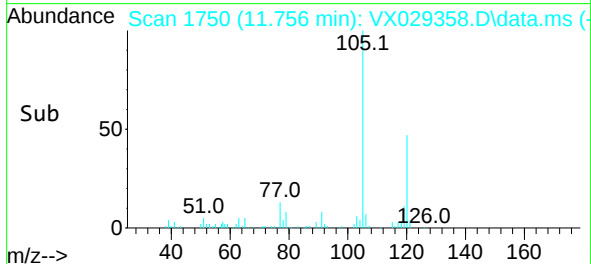
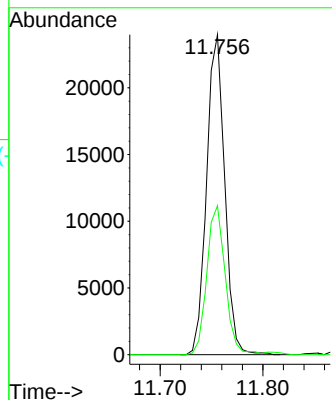
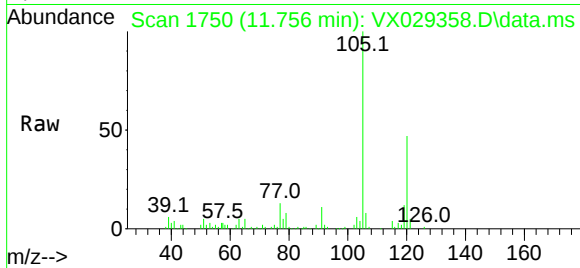




#84
 1,2,4-Trimethylbenzene
 Concen: 2.502 ug/l
 RT: 11.756 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VX029358.D
 Acq: 09 Jun 2022 20:18

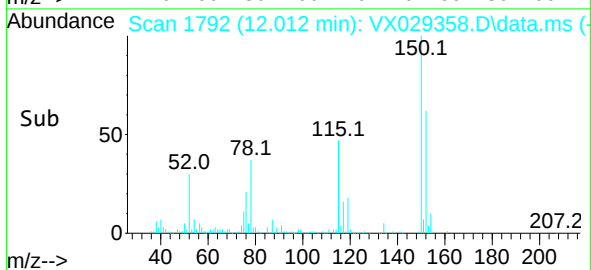
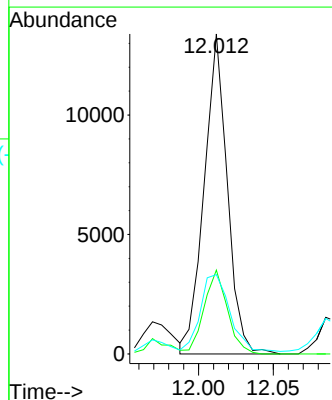
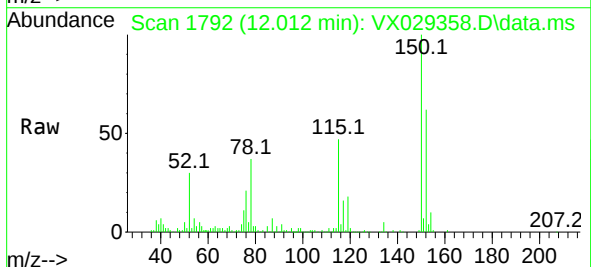
Instrument :
 MSVOA_X
 ClientSampleId :
 220608036-02-VOA

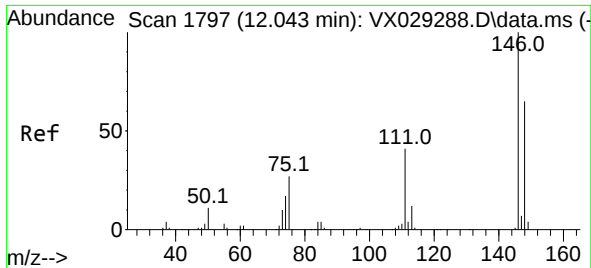
Tgt Ion:105 Resp: 29367
 Ion Ratio Lower Upper
 105 100
 120 47.3 22.6 67.8



#86
 p-Isopropyltoluene
 Concen: 1.212 ug/l
 RT: 12.012 min Scan# 1792
 Delta R.T. -0.000 min
 Lab File: VX029358.D
 Acq: 09 Jun 2022 20:18

Tgt Ion:119 Resp: 14392
 Ion Ratio Lower Upper
 119 100
 134 26.5 13.0 39.0
 91 30.3 11.3 33.9





#88

1,4-Dichlorobenzene

Concen: 3.869 ug/l

RT: 12.042 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX029358.D

Acq: 09 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

220608036-02-VOA

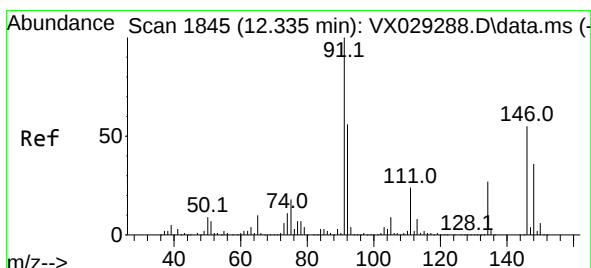
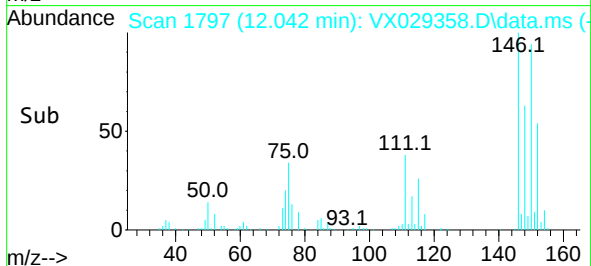
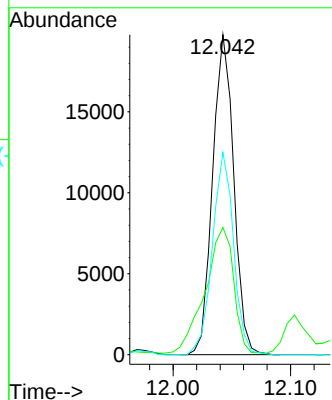
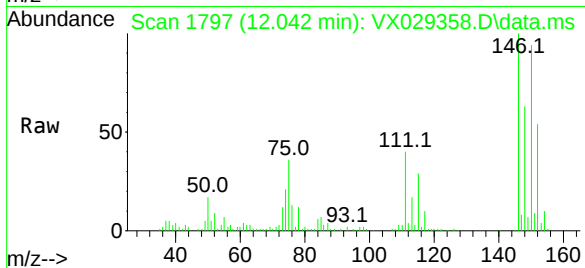
Tgt Ion:146 Resp: 24695

Ion Ratio Lower Upper

146 100

111 53.1 19.2 57.6

148 63.4 32.3 96.9



#91

1,2-Dichlorobenzene

Concen: 0.354 ug/l

RT: 12.335 min Scan# 1845

Delta R.T. -0.000 min

Lab File: VX029358.D

Acq: 09 Jun 2022 20:18

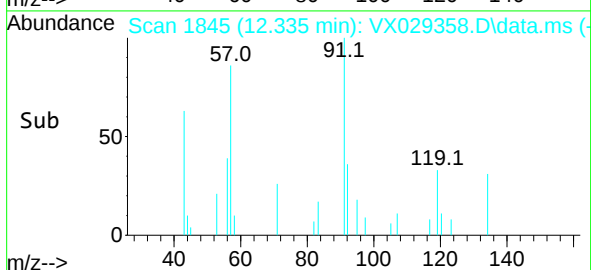
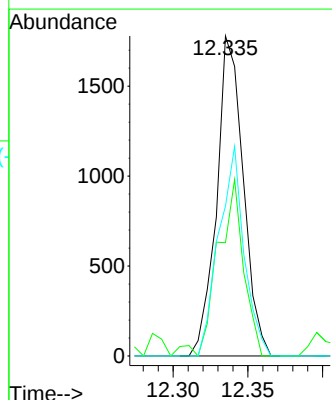
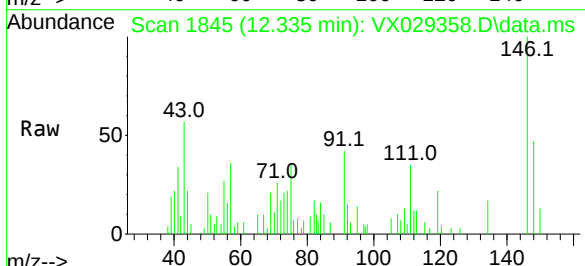
Tgt Ion:146 Resp: 2205

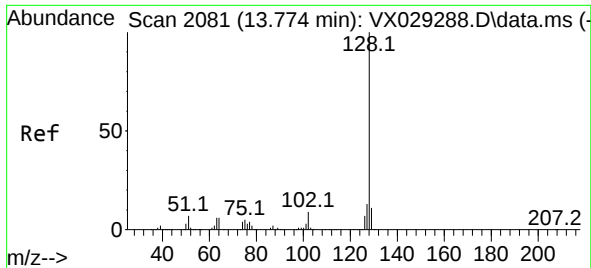
Ion Ratio Lower Upper

146 100

111 52.5 21.0 63.0

148 62.4 32.6 97.7





#95

Naphthalene

Concen: 28.116 ug/l

RT: 13.780 min Scan# 20

Delta R.T. 0.006 min

Lab File: VX029358.D

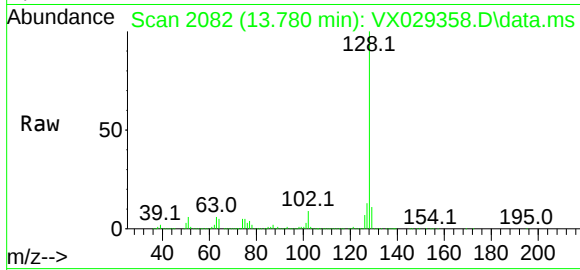
Acq: 09 Jun 2022 20:18

Instrument :

MSVOA_X

ClientSampleId :

220608036-02-VOA



Tgt Ion:128 Resp: 364494

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.4

129 10.7 8.7 13.1

