

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX071422\
 Data File : VX030075.D
 Acq On : 14 Jul 2022 20:52
 Operator : JC/MD
 Sample : N3718-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220713036-03-VOA

Quant Time: Jul 15 04:20:44 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X071222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jul 13 09:05:23 2022
 Response via : Initial Calibration

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

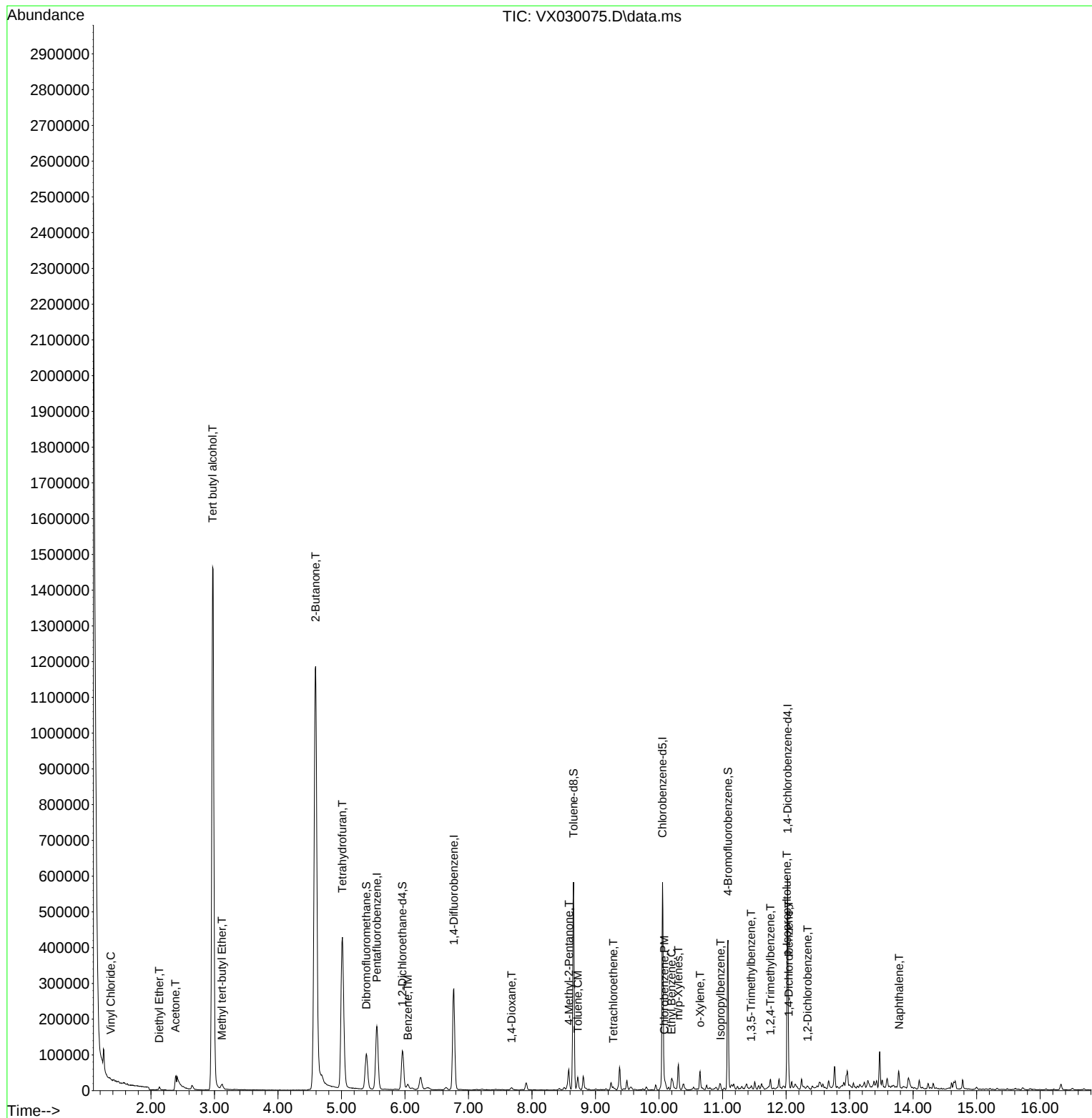
Internal Standards						
1) Pentafluorobenzene	5.556	168	170341	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	301529	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	262789	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	116901	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	99503	47.991	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.980%		
35) Dibromofluoromethane	5.391	113	85828	44.556	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	89.120%		
50) Toluene-d8	8.653	98	347537	47.972	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.940%		
62) 4-Bromofluorobenzene	11.085	95	113922	45.313	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery =	90.620%		
Target Compounds						Qvalue
4) Vinyl Chloride	1.367	62	496	0.252	ug/l	100
8) Diethyl Ether	2.130	74	2522	2.394	ug/l	94
11) Tert butyl alcohol	2.971	59	1870978	3496.426	ug/l	98
16) Acetone	2.386	43	20472	20.954	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	13993	2.551	ug/l #	89
25) 2-Butanone	4.592	43	65603	39.420	ug/l #	73
29) Tetrahydrofuran	5.013	42	407901	361.159	ug/l	99
40) Benzene	6.043	78	16492	2.106	ug/l #	88
49) 1,4-Dioxane	7.677	88	5418	94.008	ug/l	97
51) 4-Methyl-2-Pentanone	8.580	43	36734	11.546	ug/l	97
52) Toluene	8.720	92	9283	1.867	ug/l	99
64) Tetrachloroethene	9.281	164	1406	0.667	ug/l #	69
65) Chlorobenzene	10.085	112	6702	1.281	ug/l	92
67) Ethyl Benzene	10.195	91	16862	1.901	ug/l	100
68) m/p-Xylenes	10.305	106	15749	4.528	ug/l	99
69) o-Xylene	10.646	106	11009	3.161	ug/l	98
73) Isopropylbenzene	10.969	105	6523	0.801	ug/l	91
80) 1,3,5-Trimethylbenzene	11.451	105	3834	0.559	ug/l	97
84) 1,2,4-Trimethylbenzene	11.756	105	11286	1.664	ug/l	92
86) p-Isopropyltoluene	12.012	119	4176	0.599	ug/l #	80
88) 1,4-Dichlorobenzene	12.042	146	12210	3.162	ug/l	89
91) 1,2-Dichlorobenzene	12.341	146	957	0.250	ug/l #	78
95) Naphthalene	13.780	128	12985	1.393	ug/l	98

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

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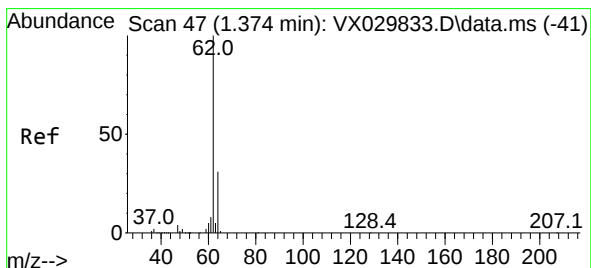
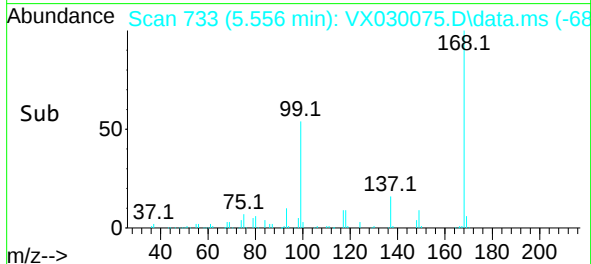
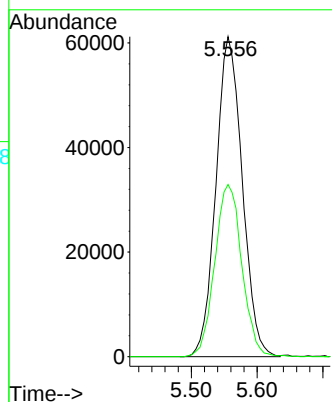
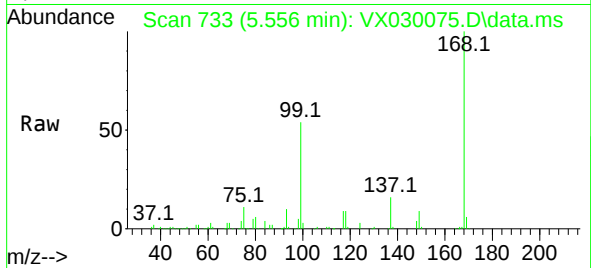




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

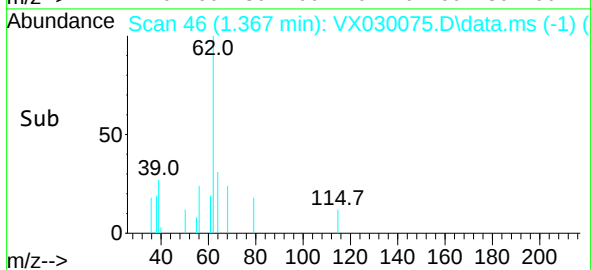
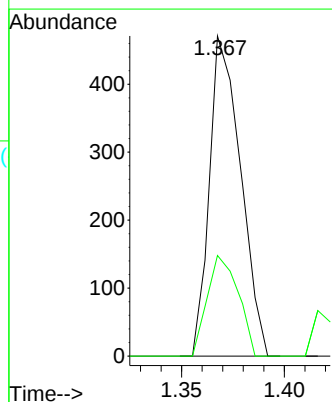
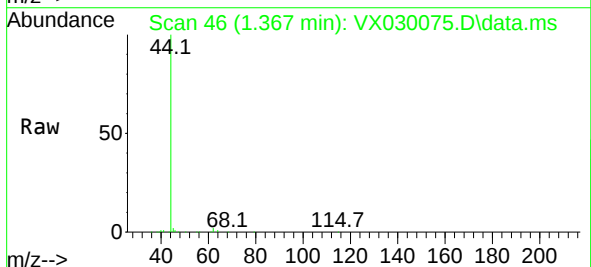
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

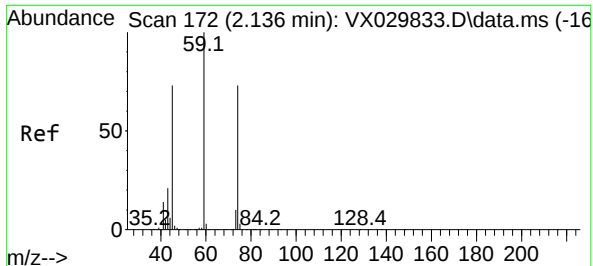
Tgt Ion:168 Resp: 170341
Ion Ratio Lower Upper
168 100
99 53.8 44.0 66.0



#4
Vinyl Chloride
Concen: 0.252 ug/l
RT: 1.367 min Scan# 46
Delta R.T. -0.007 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 62 Resp: 496
Ion Ratio Lower Upper
62 100
64 31.4 25.2 37.8

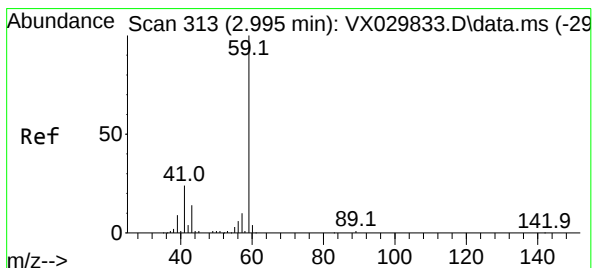
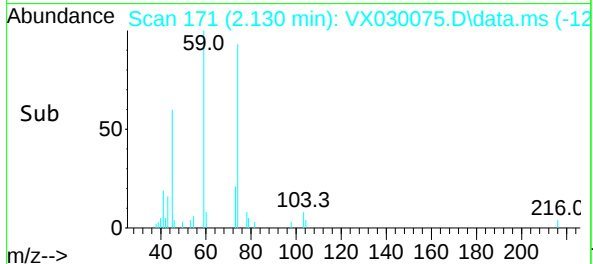
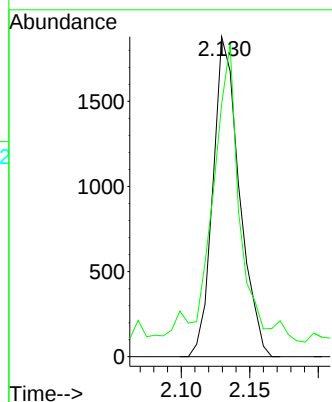
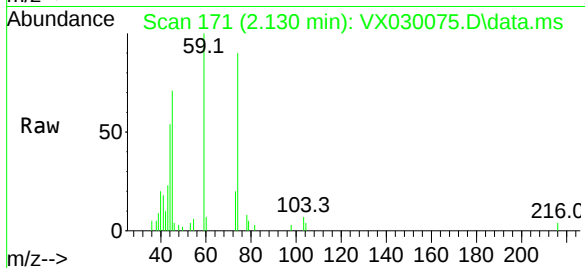




#8
Diethyl Ether
Concen: 2.394 ug/l
RT: 2.130 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

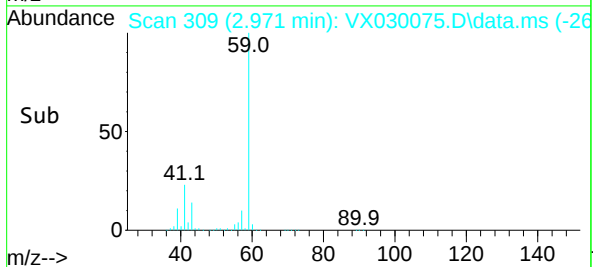
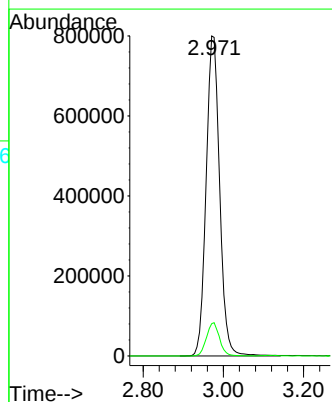
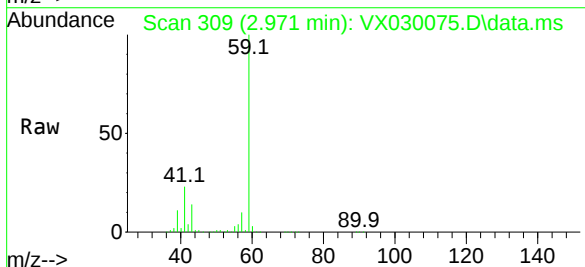
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

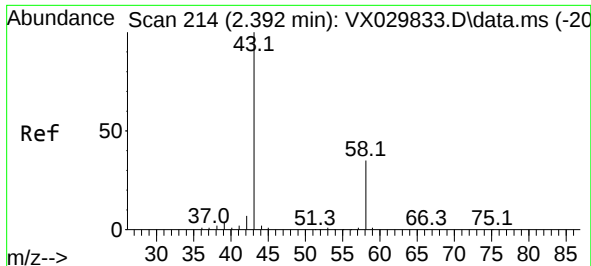
Tgt Ion: 74 Resp: 2522
Ion Ratio Lower Upper
74 100
45 96.7 51.5 154.7



#11
Tert butyl alcohol
Concen: 3496.426 ug/l
RT: 2.971 min Scan# 309
Delta R.T. -0.024 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 59 Resp: 1870978
Ion Ratio Lower Upper
59 100
57 10.1 7.4 11.2

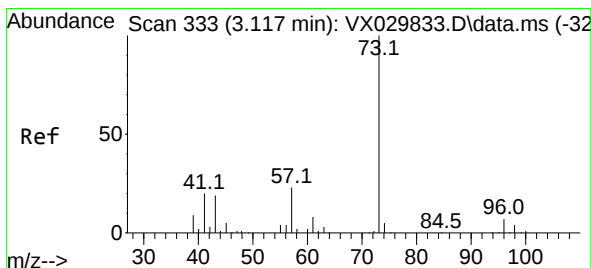
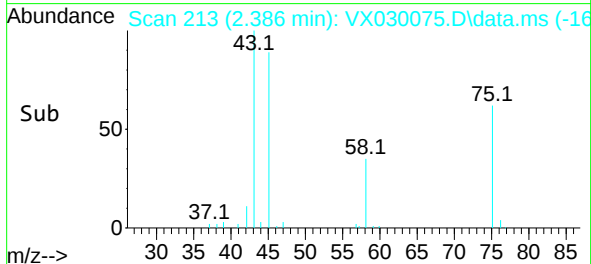
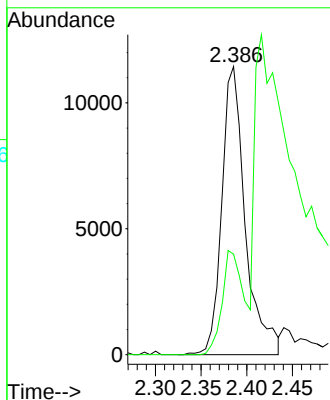
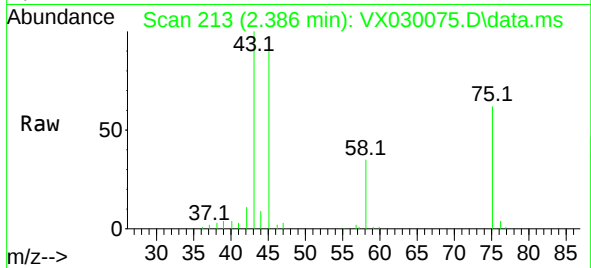




#16
Acetone
Concen: 20.954 ug/l
RT: 2.386 min Scan# 214
Delta R.T. -0.006 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

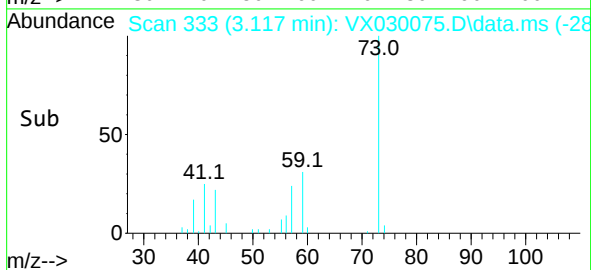
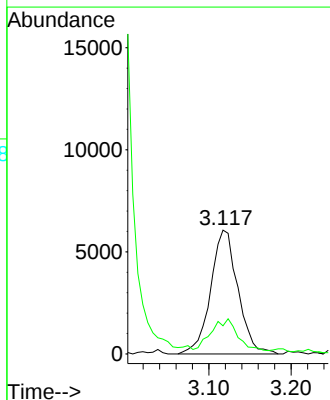
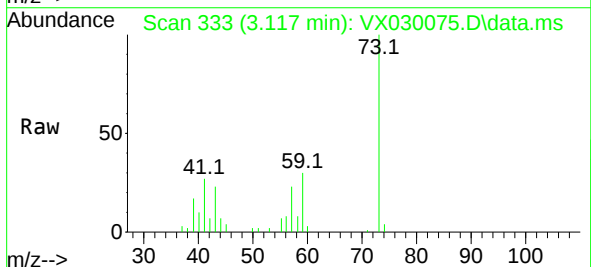
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

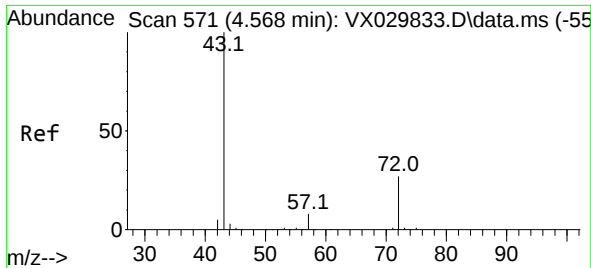
Tgt Ion: 43 Resp: 20472
Ion Ratio Lower Upper
43 100
58 34.9 27.7 41.5



#19
Methyl tert-butyl Ether
Concen: 2.551 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 73 Resp: 13993
Ion Ratio Lower Upper
73 100
57 18.6 19.0 28.6#

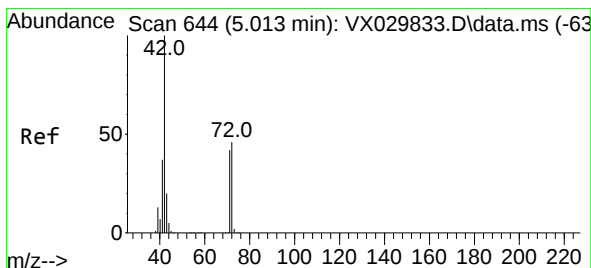
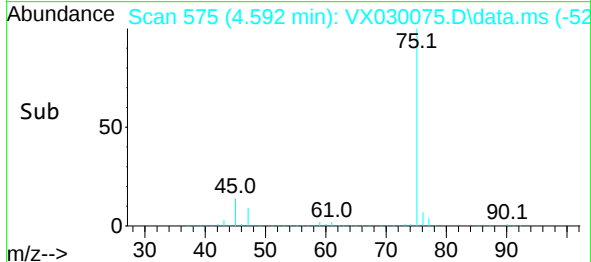
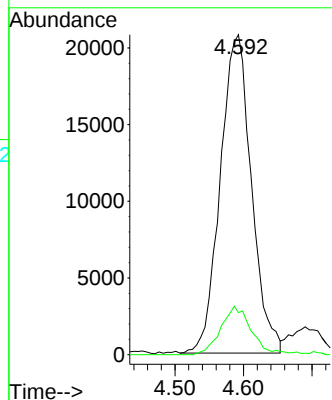
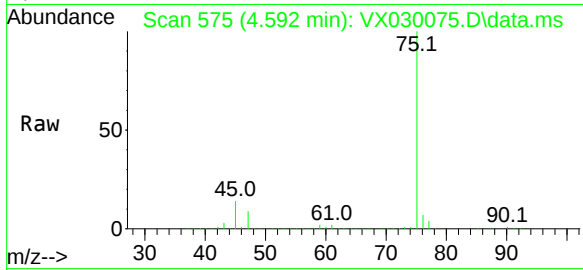




#25
2-Butanone
Concen: 39.420 ug/l
RT: 4.592 min Scan# 51
Delta R.T. 0.024 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

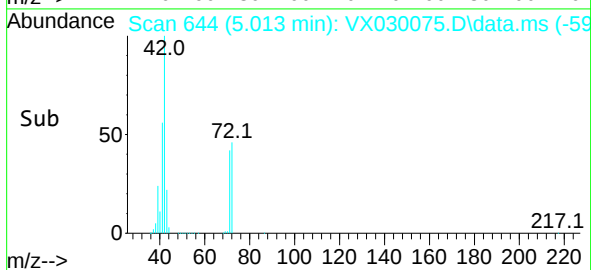
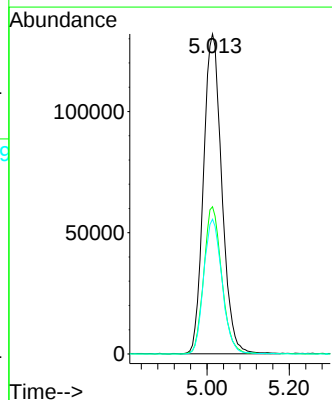
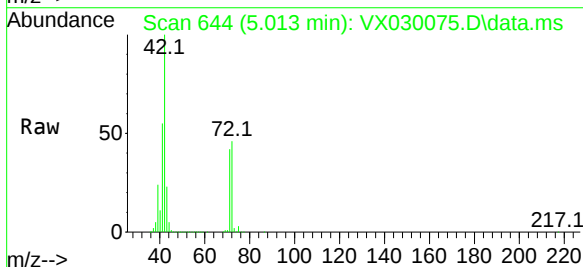
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

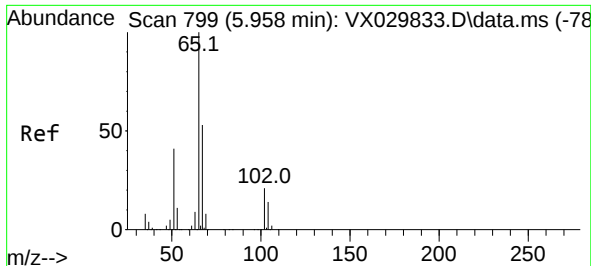
Tgt Ion: 43 Resp: 65603
Ion Ratio Lower Upper
43 100
72 13.2 21.7 32.5#



#29
Tetrahydrofuran
Concen: 361.159 ug/l
RT: 5.013 min Scan# 644
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 42 Resp: 407901
Ion Ratio Lower Upper
42 100
72 45.0 36.5 54.7
71 42.1 33.9 50.9





#33

1,2-Dichloroethane-d4

Concen: 47.991 ug/l

RT: 5.958 min Scan# 799

Delta R.T. 0.000 min

Lab File: VX030075.D

Acq: 14 Jul 2022 20:52

Instrument :

MSVOA_X

ClientSampleId :

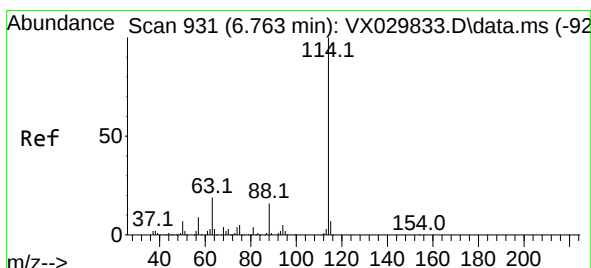
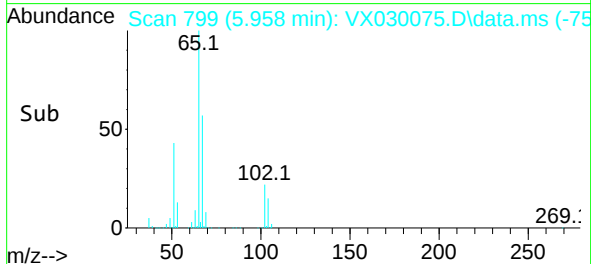
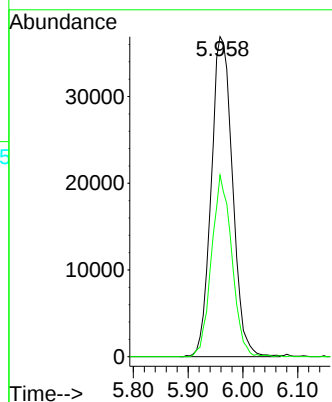
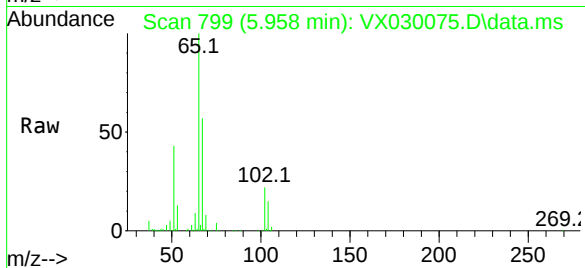
220713036-03-VOA

Tgt Ion: 65 Resp: 99503

Ion Ratio Lower Upper

65 100

67 54.2 0.0 109.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 932

Delta R.T. 0.006 min

Lab File: VX030075.D

Acq: 14 Jul 2022 20:52

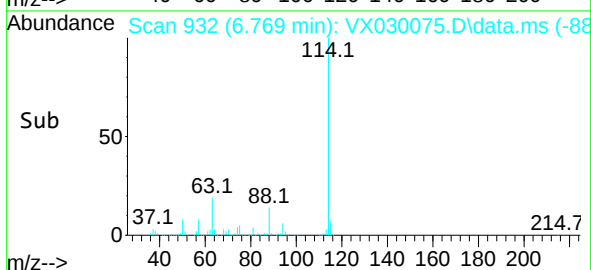
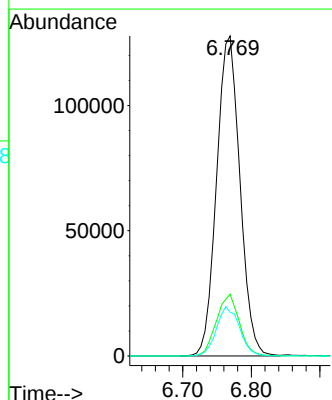
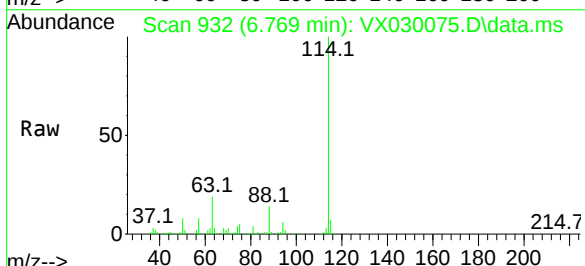
Tgt Ion: 114 Resp: 301529

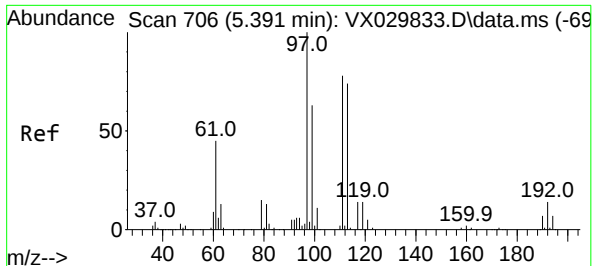
Ion Ratio Lower Upper

114 100

63 19.3 0.0 38.4

88 13.6 0.0 31.8

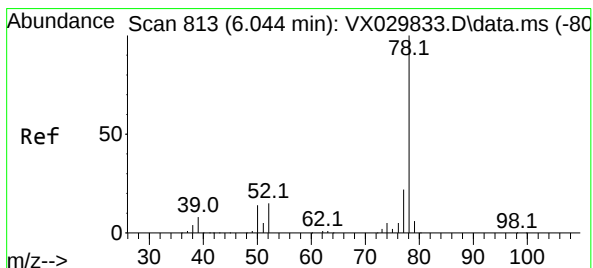
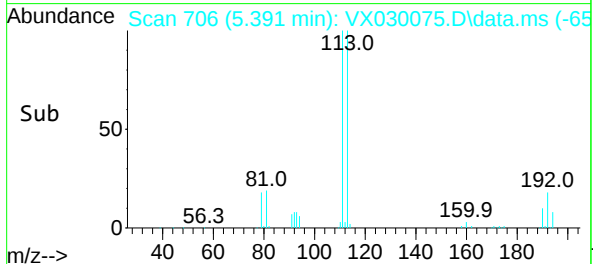
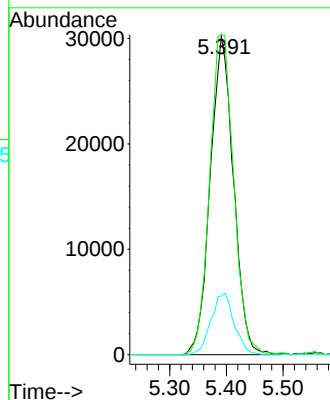
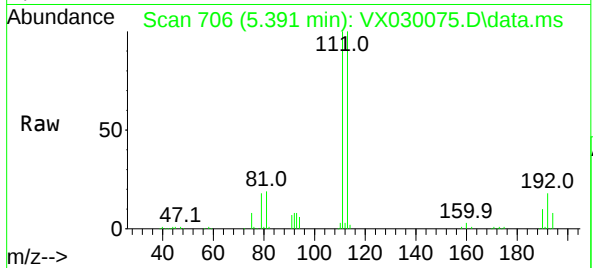




#35
Dibromofluoromethane
Concen: 44.556 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

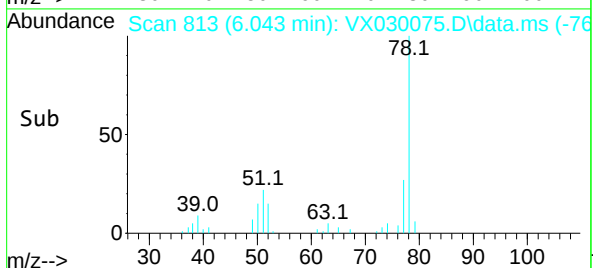
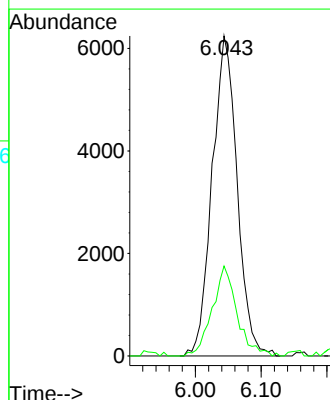
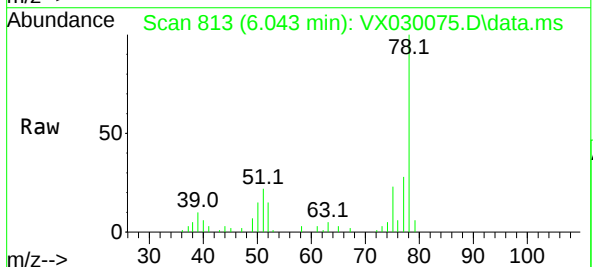
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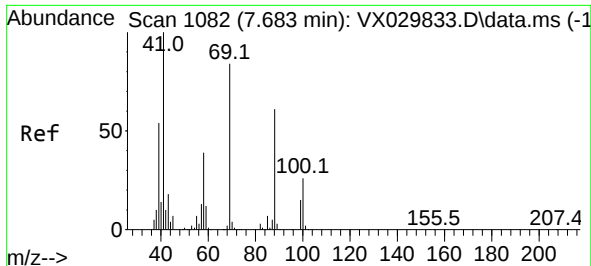
Tgt Ion:113 Resp: 85828
Ion Ratio Lower Upper
113 100
111 104.1 83.2 124.8
192 19.2 14.8 22.2



#40
Benzene
Concen: 2.106 ug/l
RT: 6.043 min Scan# 813
Delta R.T. -0.001 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 78 Resp: 16492
Ion Ratio Lower Upper
78 100
77 28.1 18.0 27.0#





#49

1,4-Dioxane

Concen: 94.008 ug/l

RT: 7.677 min Scan# 1081

Delta R.T. -0.006 min

Lab File: VX030075.D

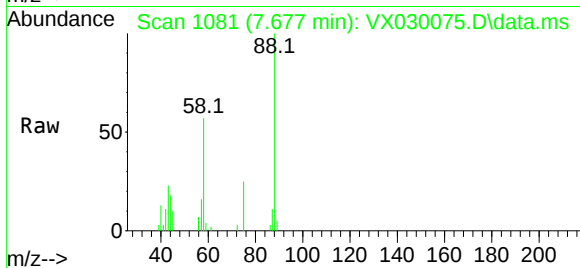
Acq: 14 Jul 2022 20:52

Instrument :

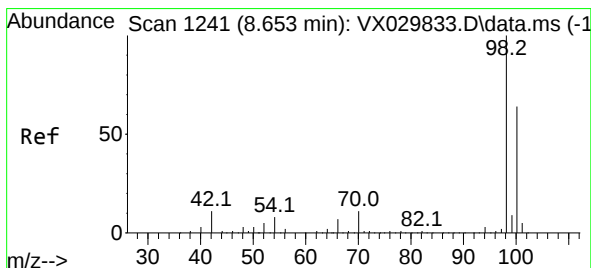
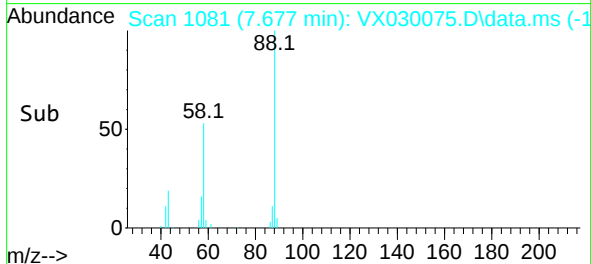
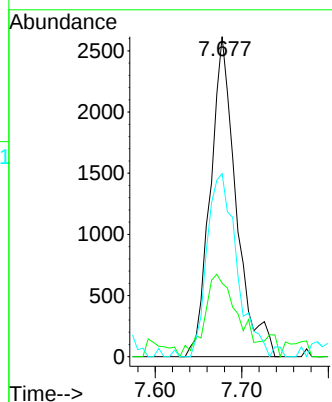
MSVOA_X

ClientSampleId :

220713036-03-VOA



Tgt Ion:	88	Resp:	5418
Ion	Ratio	Lower	Upper
88	100		
43	32.6	23.8	35.8
58	65.5	53.8	80.6



#50

Toluene-d8

Concen: 47.972 ug/l

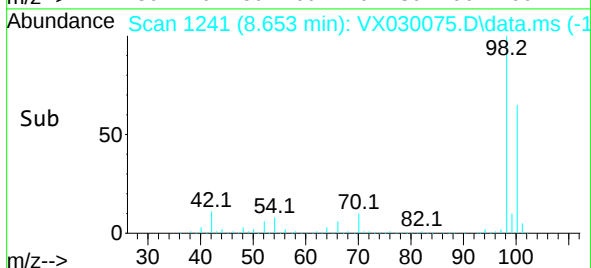
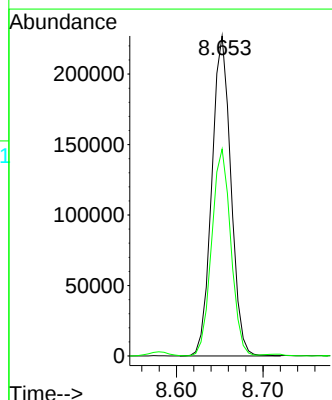
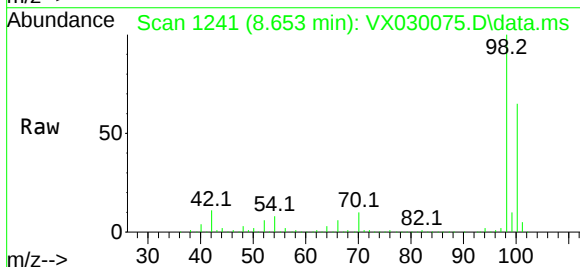
RT: 8.653 min Scan# 1241

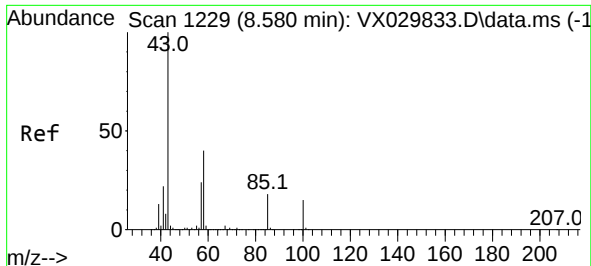
Delta R.T. -0.000 min

Lab File: VX030075.D

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Tgt Ion:	98	Resp:	347537
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5

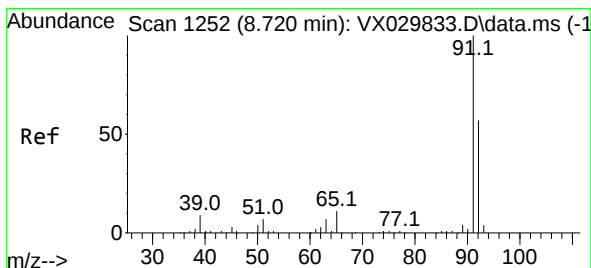
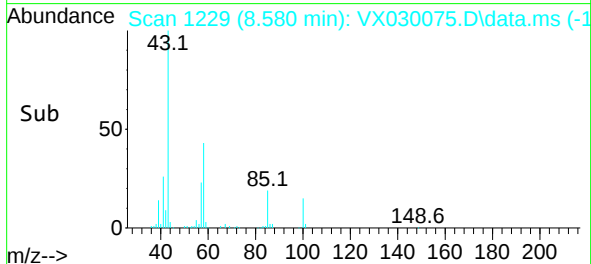
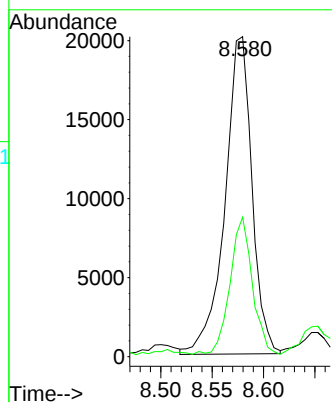
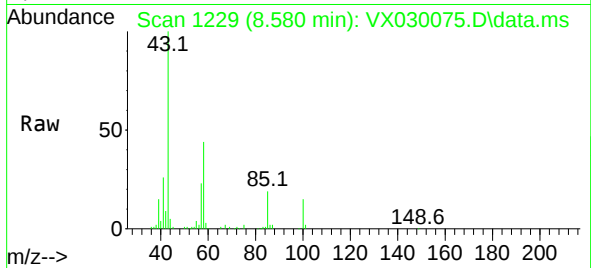




#51
4-Methyl-2-Pentanone
Concen: 11.546 ug/l
RT: 8.580 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

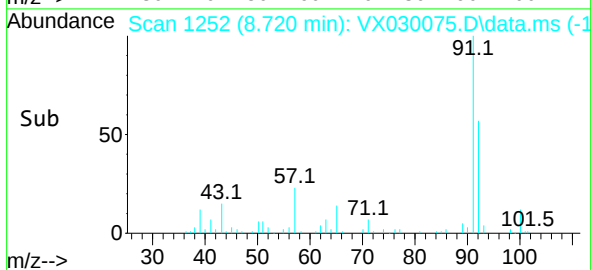
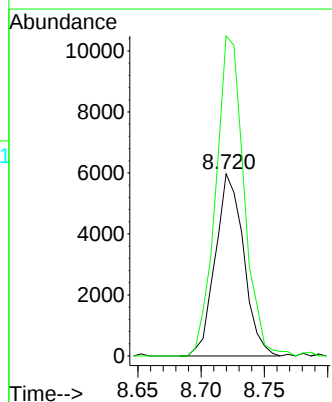
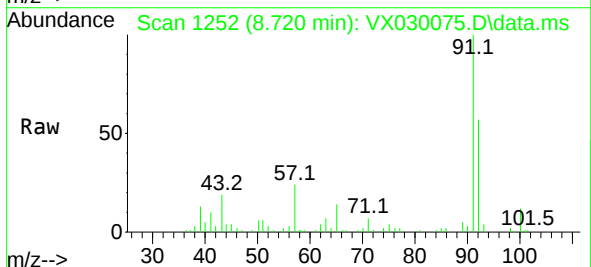
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

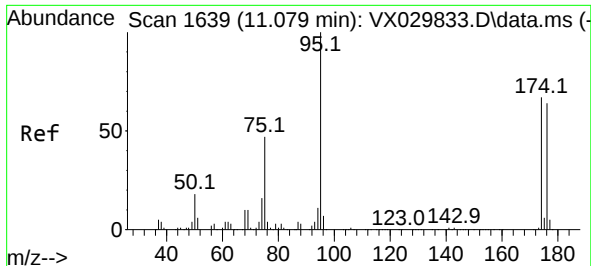
Tgt Ion: 43 Resp: 36734
Ion Ratio Lower Upper
43 100
58 37.2 31.4 47.2



#52
Toluene
Concen: 1.867 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 92 Resp: 9283
Ion Ratio Lower Upper
92 100
91 175.1 139.2 208.8

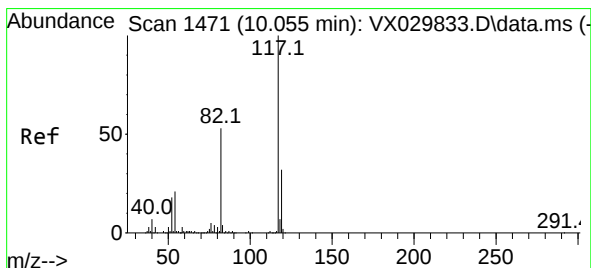
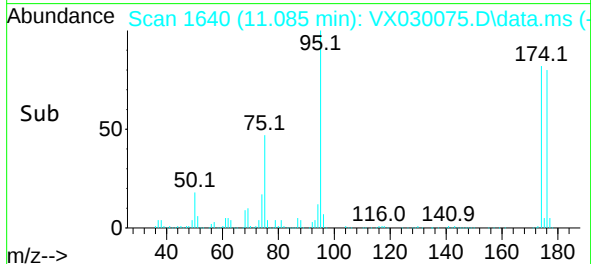
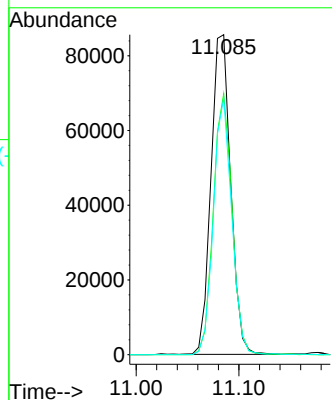
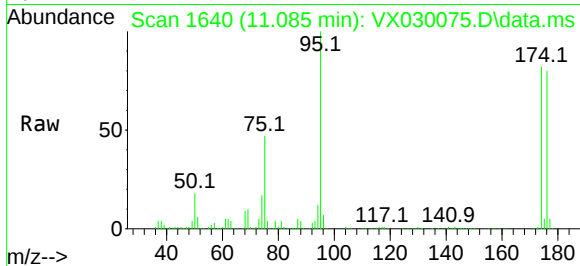




#62
4-Bromofluorobenzene
Concen: 45.313 ug/l
RT: 11.085 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

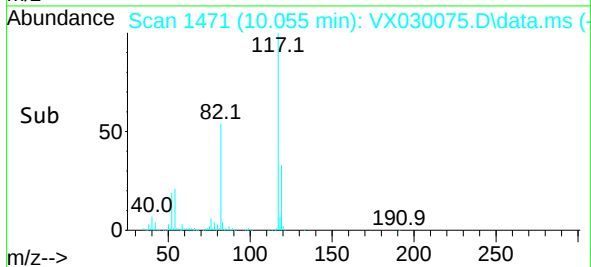
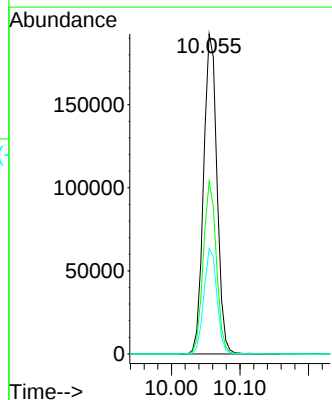
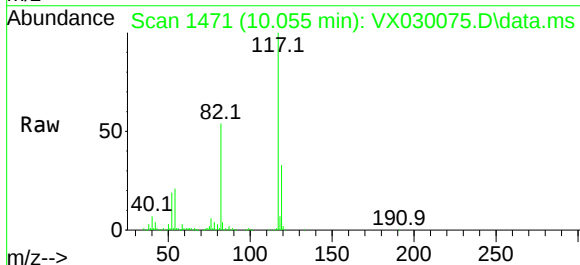
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

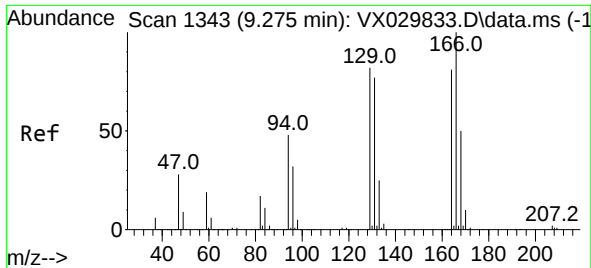
Tgt Ion: 95 Resp: 113922
Ion Ratio Lower Upper
95 100
174 77.7 0.0 149.0
176 74.9 0.0 146.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion: 117 Resp: 262789
Ion Ratio Lower Upper
117 100
82 53.9 42.7 64.1
119 32.9 25.4 38.2

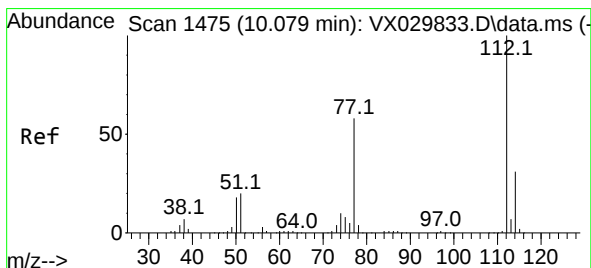
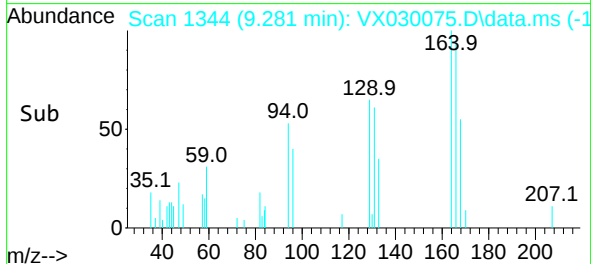
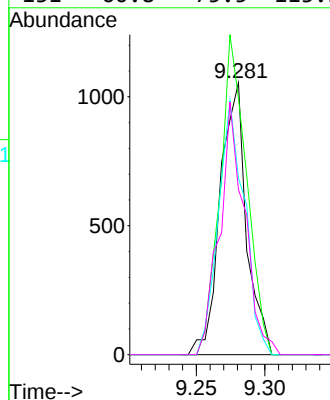
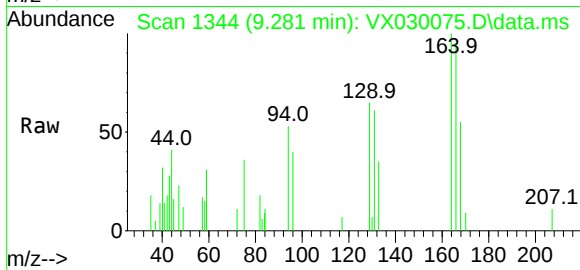




#64
Tetrachloroethene
Concen: 0.667 ug/l
RT: 9.281 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

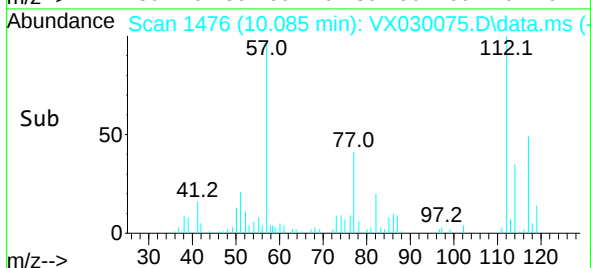
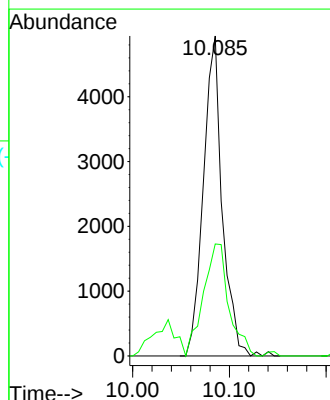
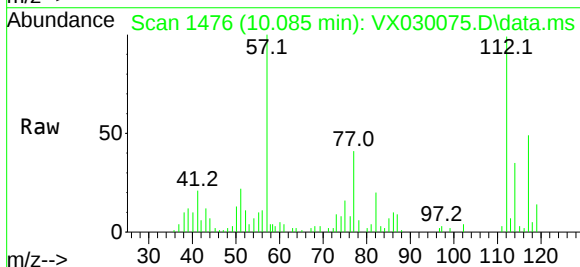
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

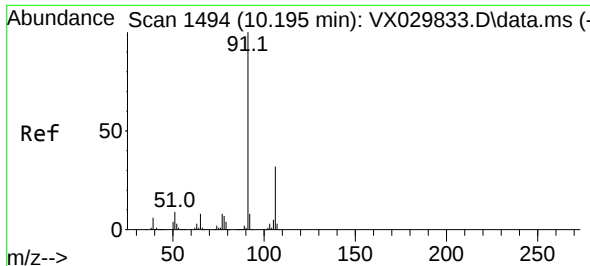
Tgt Ion:164	Resp:	1406
Ion Ratio	Lower	Upper
164	100	
166	94.5	98.2 147.4#
129	65.0	80.8 121.2#
131	60.8	75.5 113.3#



#65
Chlorobenzene
Concen: 1.281 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion:112	Resp:	6702
Ion Ratio	Lower	Upper
112	100	
114	35.0	24.6 36.8

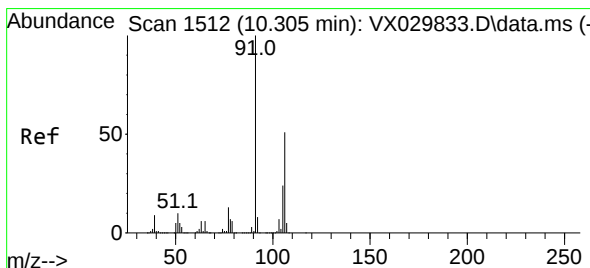
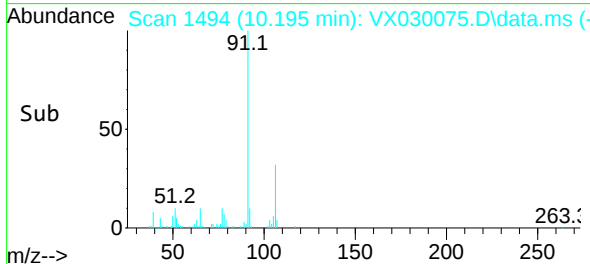
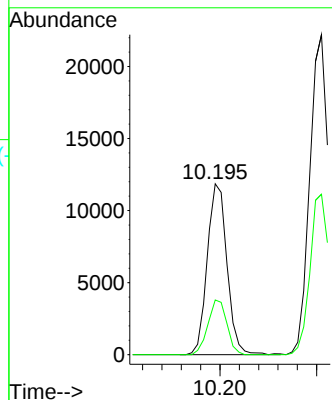
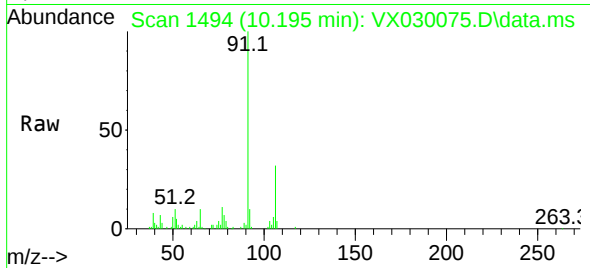




#67
Ethyl Benzene
Concen: 1.901 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

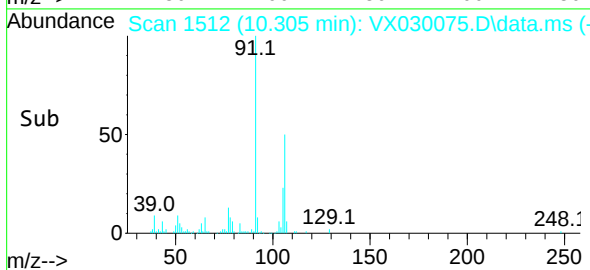
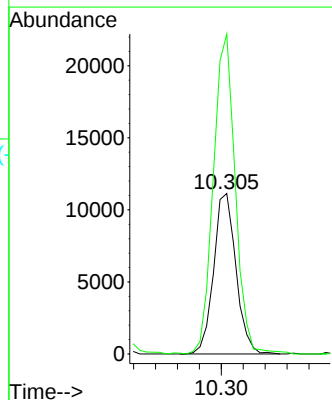
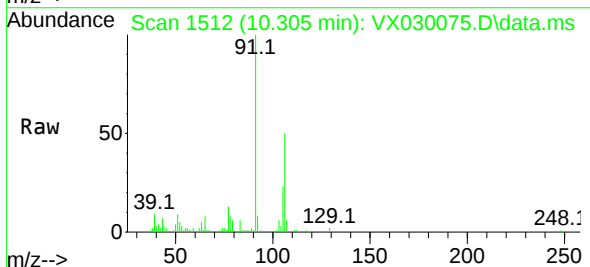
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

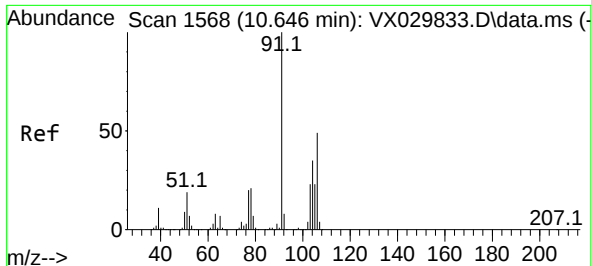
Tgt Ion: 91 Resp: 16862
Ion Ratio Lower Upper
91 100
106 32.1 25.5 38.3



#68
m/p-Xylenes
Concen: 4.528 ug/l
RT: 10.305 min Scan# 1512
Delta R.T. -0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion:106 Resp: 15749
Ion Ratio Lower Upper
106 100
91 195.6 158.2 237.4

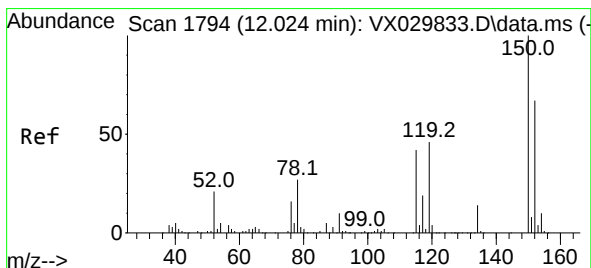
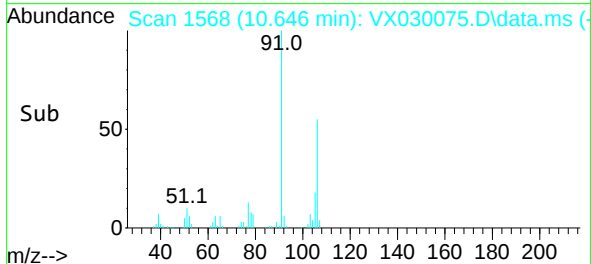
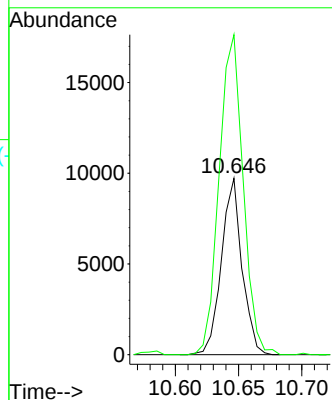
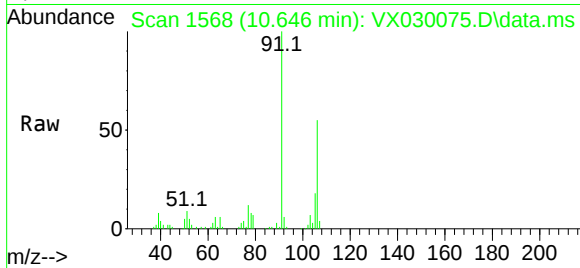




#69
o-Xylene
Concen: 3.161 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

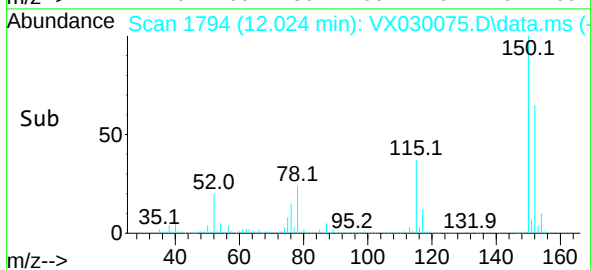
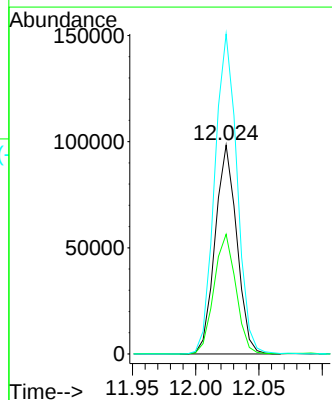
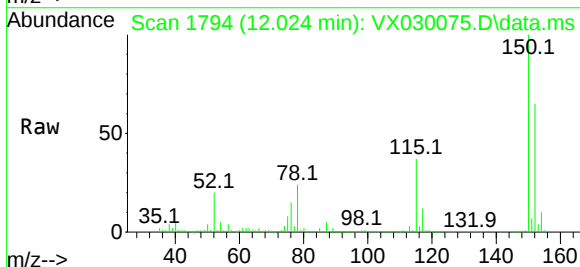
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

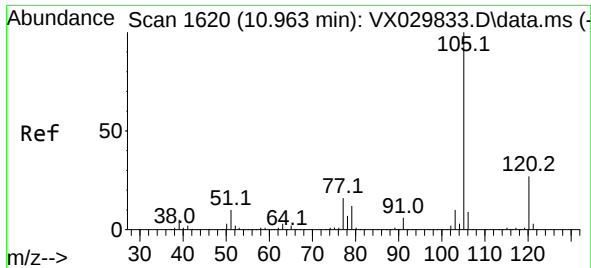
Tgt Ion:106 Resp: 11009
Ion Ratio Lower Upper
106 100
91 210.8 103.8 311.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion:152 Resp: 116901
Ion Ratio Lower Upper
152 100
115 58.0 40.5 121.5
150 158.2 0.0 347.0

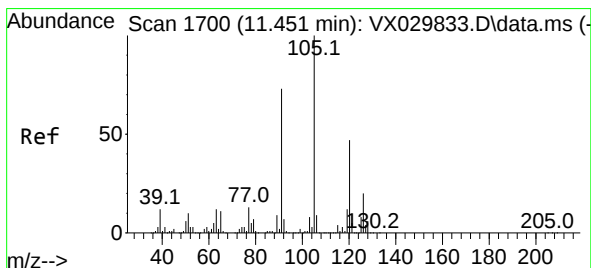
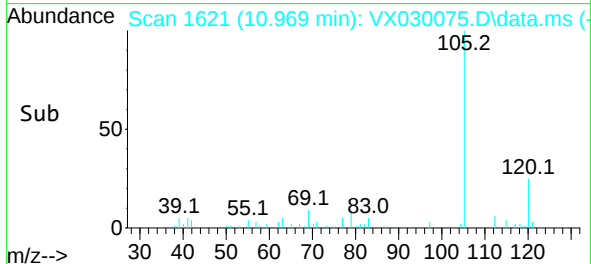
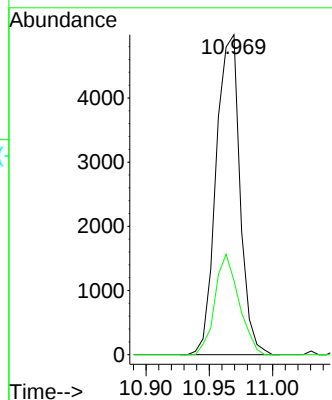
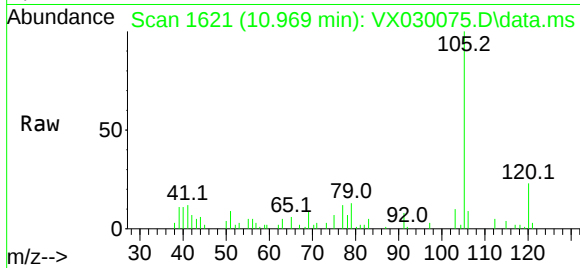




#73
Isopropylbenzene
Concen: 0.801 ug/l
RT: 10.969 min Scan# 1
Delta R.T. 0.006 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

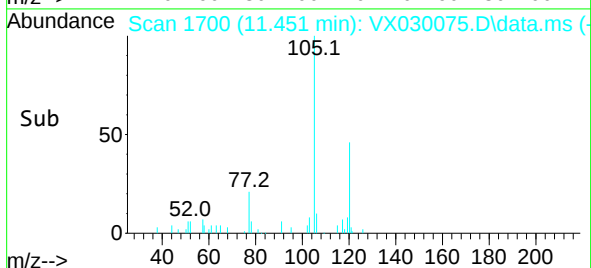
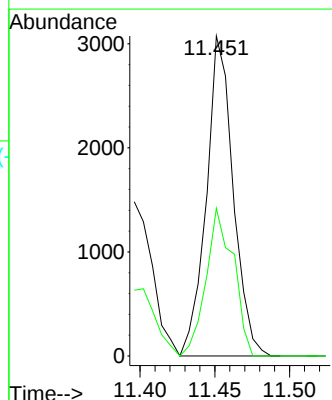
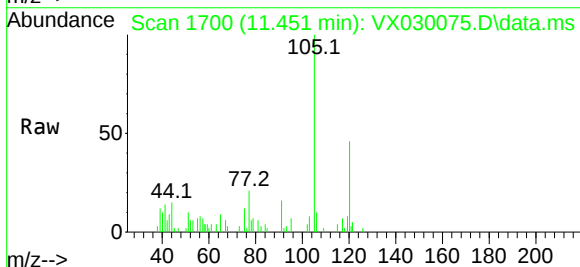
Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA

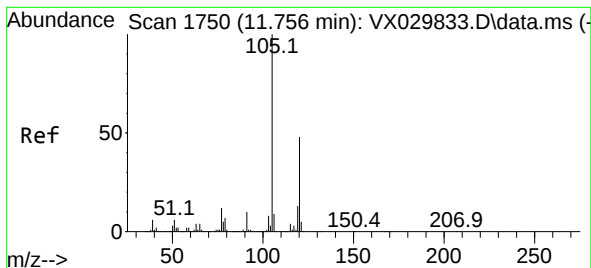
Tgt Ion:105 Resp: 6523
Ion Ratio Lower Upper
105 100
120 31.5 13.5 40.4



#80
1,3,5-Trimethylbenzene
Concen: 0.559 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. 0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Tgt Ion:105 Resp: 3834
Ion Ratio Lower Upper
105 100
120 46.9 24.4 73.2





#84

1,2,4-Trimethylbenzene

Concen: 1.664 ug/l

RT: 11.756 min Scan# 1750

Delta R.T. -0.000 min

Lab File: VX030075.D

Acq: 14 Jul 2022 20:52

Instrument :

MSVOA_X

ClientSampleId :

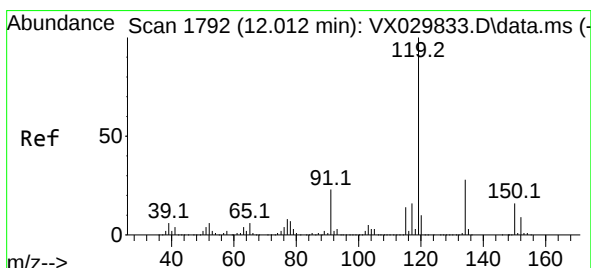
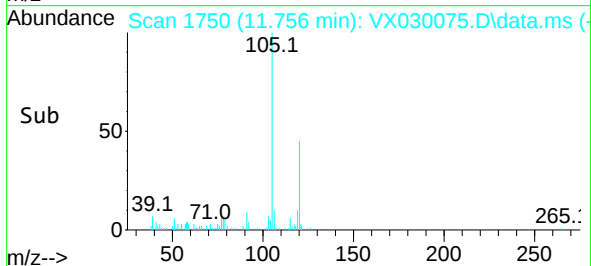
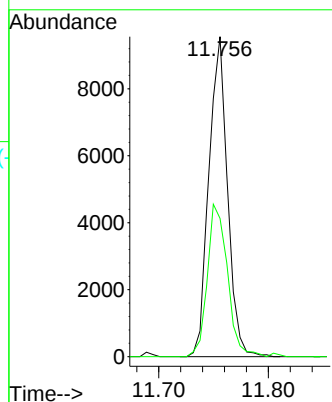
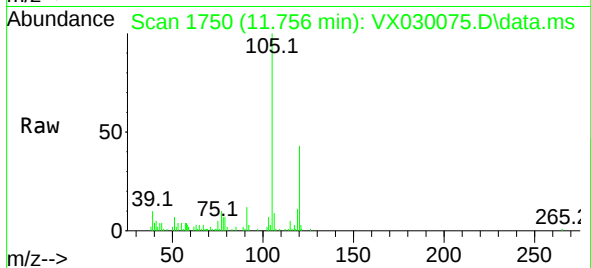
220713036-03-VOA

Tgt Ion:105 Resp: 11286

Ion Ratio Lower Upper

105 100

120 51.4 22.9 68.8



#86

p-Isopropyltoluene

Concen: 0.599 ug/l

RT: 12.012 min Scan# 1792

Delta R.T. -0.000 min

Lab File: VX030075.D

Acq: 14 Jul 2022 20:52

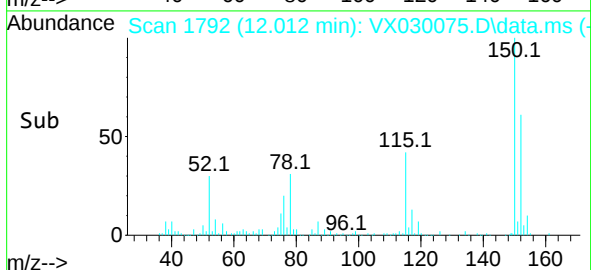
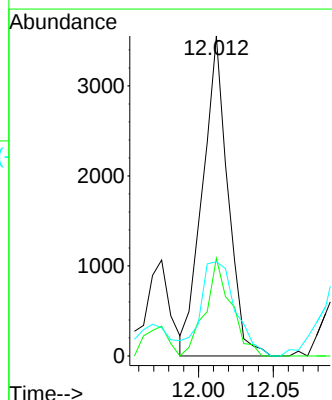
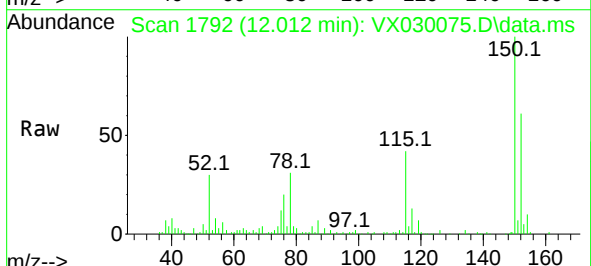
Tgt Ion:119 Resp: 4176

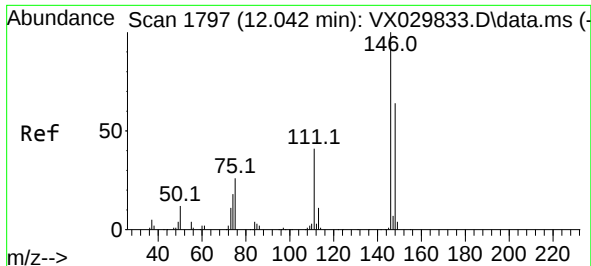
Ion Ratio Lower Upper

119 100

134 30.8 13.9 41.6

91 40.9 11.8 35.3#





#88

1,4-Dichlorobenzene

Concen: 3.162 ug/l

RT: 12.042 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX030075.D

Acq: 14 Jul 2022 20:52

Instrument :

MSVOA_X

ClientSampleId :

220713036-03-VOA

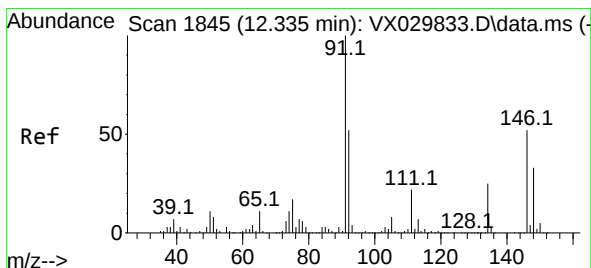
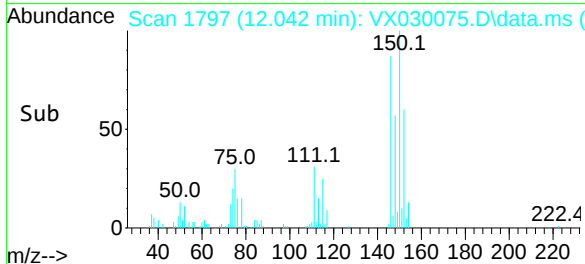
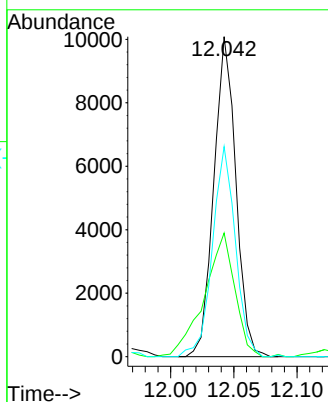
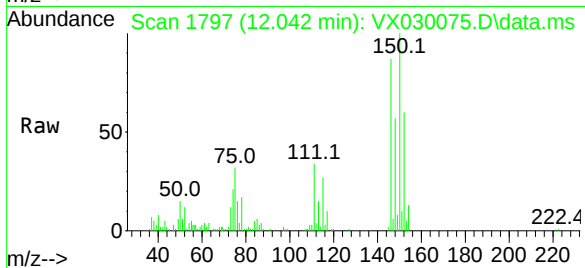
Tgt Ion:146 Resp: 12210

Ion Ratio Lower Upper

146 100

111 53.4 20.3 60.9

148 68.5 32.3 96.8



#91

1,2-Dichlorobenzene

Concen: 0.250 ug/l

RT: 12.341 min Scan# 1846

Delta R.T. 0.006 min

Lab File: VX030075.D

Acq: 14 Jul 2022 20:52

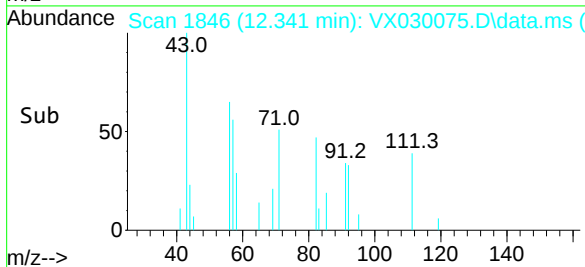
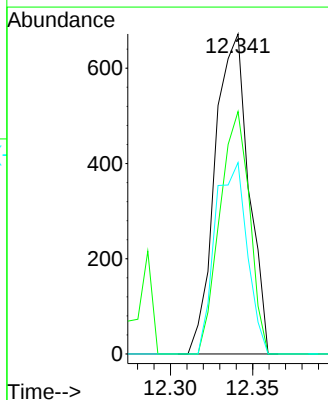
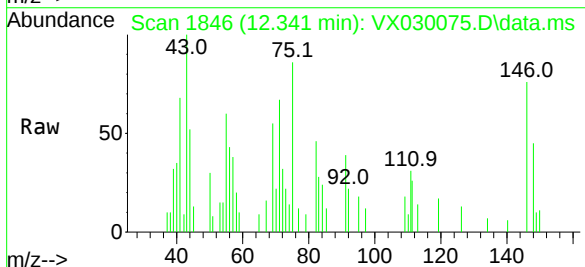
Tgt Ion:146 Resp: 957

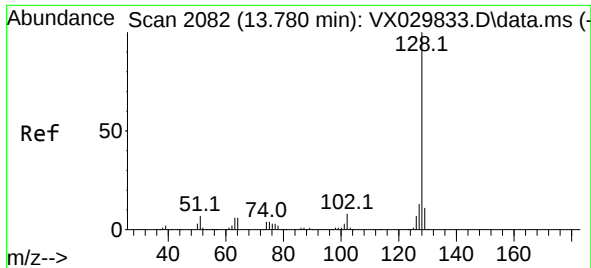
Ion Ratio Lower Upper

146 100

111 67.1 20.7 62.1#

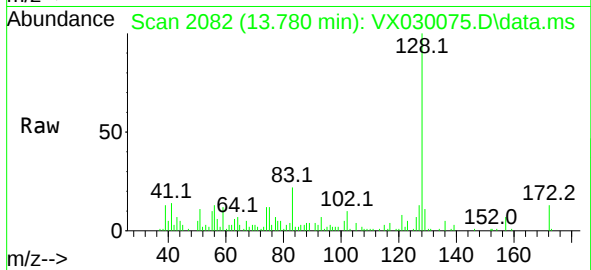
148 56.8 32.0 96.2





#95
Naphthalene
Concen: 1.393 ug/l
RT: 13.780 min Scan# 20
Delta R.T. -0.000 min
Lab File: VX030075.D
Acq: 14 Jul 2022 20:52

Instrument :
MSVOA_X
ClientSampleId :
220713036-03-VOA



Tgt Ion:128 Resp: 12985
Ion Ratio Lower Upper
128 100
127 13.3 10.2 15.2
129 11.8 8.6 13.0

