

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052622\
 Data File : VX029012.D
 Acq On : 26 May 2022 20:19
 Operator : JC/MD
 Sample : N3073-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 220525033-02-VOA

Quant Time: May 27 07:37:12 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X051222W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 12 14:58:53 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.550	168	330325	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	590572	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576334	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	281521	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.958	65	217675	48.073	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	=	96.140%
35) Dibromofluoromethane	5.385	113	192439	49.734	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	=	99.460%
50) Toluene-d8	8.653	98	706134	48.405	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	=	96.800%
62) 4-Bromofluorobenzene	11.079	95	286953	52.664	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	=	105.320%

Target Compounds

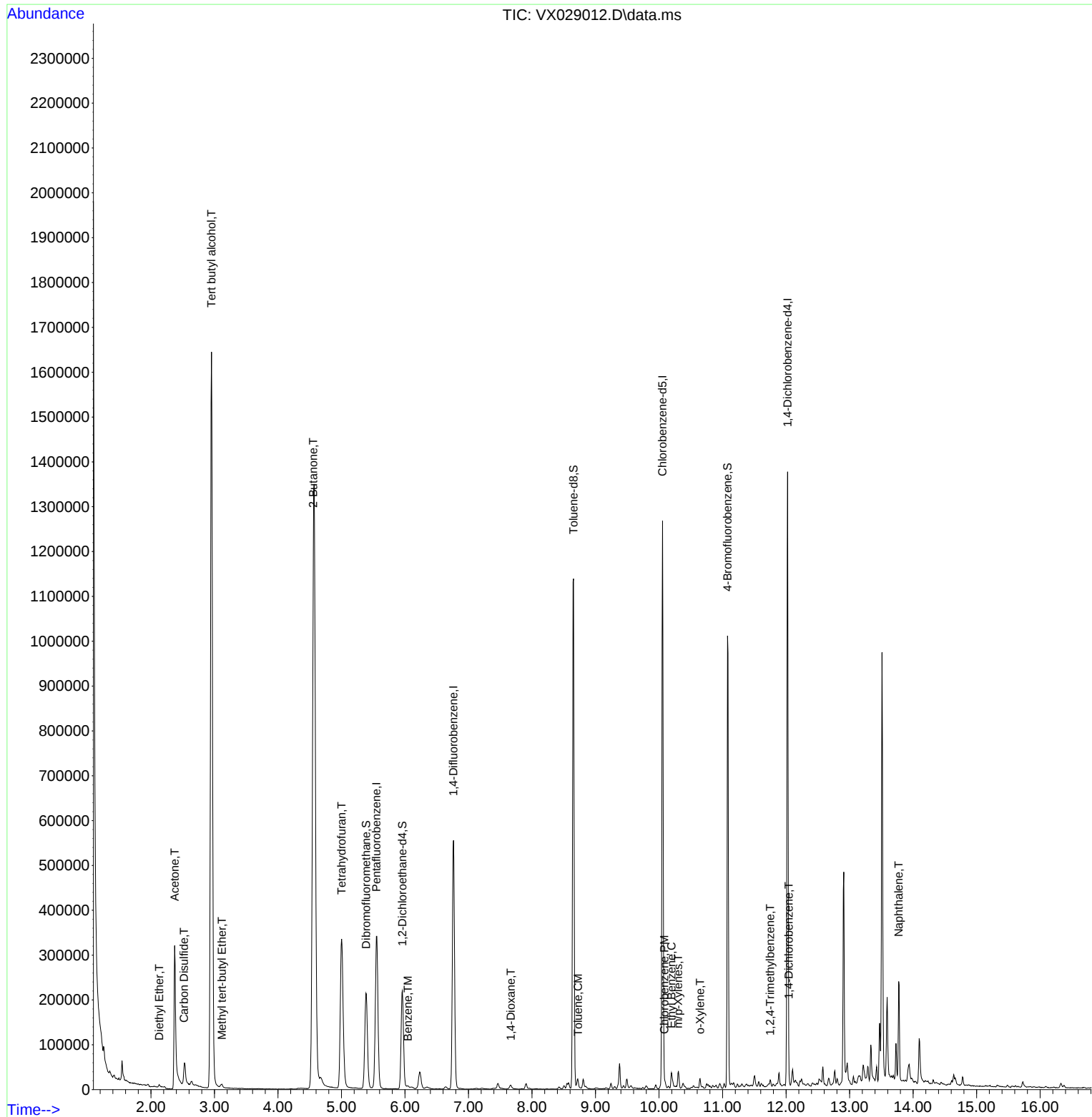
						Qvalue
8) Diethyl Ether	2.130	74	1539	0.603	ug/l	58
11) Tert butyl alcohol	2.953	59	2003775	2145.732	ug/l	100
16) Acetone	2.373	43	324604	167.037	ug/l	92
17) Carbon Disulfide	2.520	76	20507	2.314	ug/l	98
19) Methyl tert-butyl Ether	3.117	73	8551	0.705	ug/l	99
25) 2-Butanone	4.556	43	439703	144.148	ug/l	96
29) Tetrahydrofuran	5.001	42	290022	146.271	ug/l	94
40) Benzene	6.043	78	7085	0.424	ug/l	96
49) 1,4-Dioxane	7.665	88	6379	55.661	ug/l	89
52) Toluene	8.726	92	6118	0.569	ug/l	91
65) Chlorobenzene	10.085	112	3013	0.246	ug/l	90
67) Ethyl Benzene	10.195	91	20373	0.930	ug/l	94
68) m/p-Xylenes	10.299	106	7828	0.917	ug/l	94
69) o-Xylene	10.646	106	5008	0.596	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	6567	0.368	ug/l	100
88) 1,4-Dichlorobenzene	12.042	146	4963	0.483	ug/l #	41
95) Naphthalene	13.774	128	135764	6.787	ug/l	99

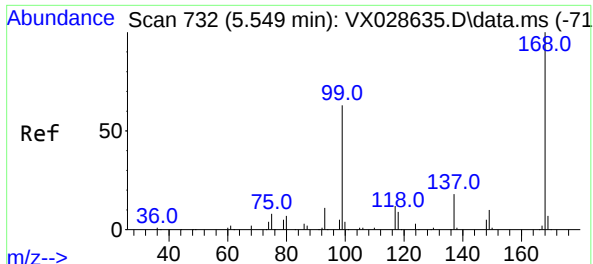
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

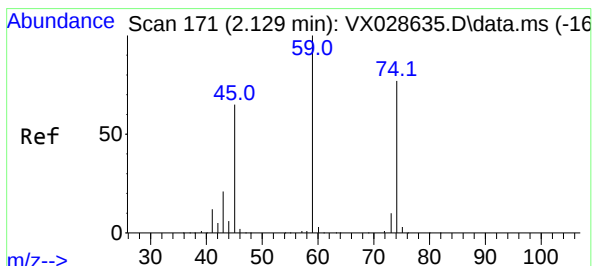
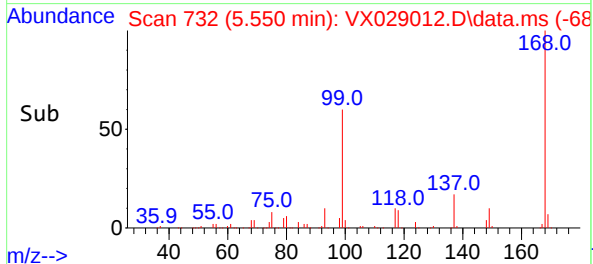
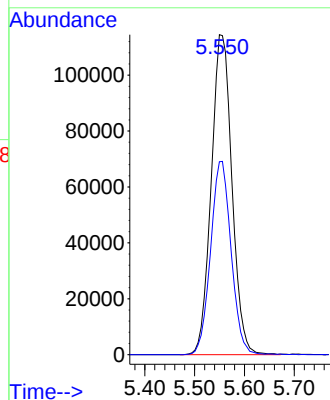
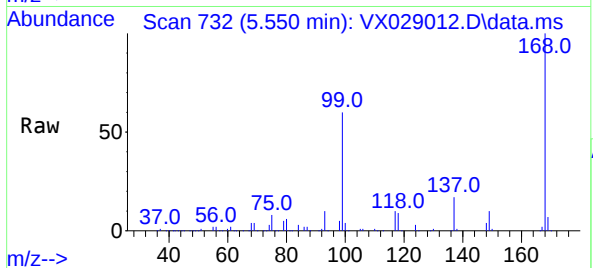




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.550 min Scan# 71
Delta R.T. 0.001 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

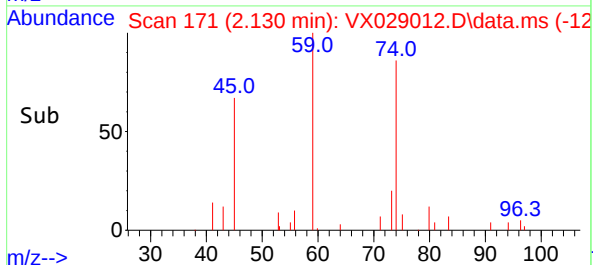
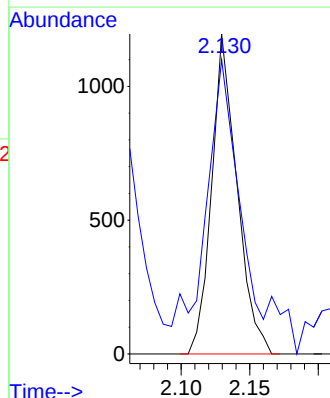
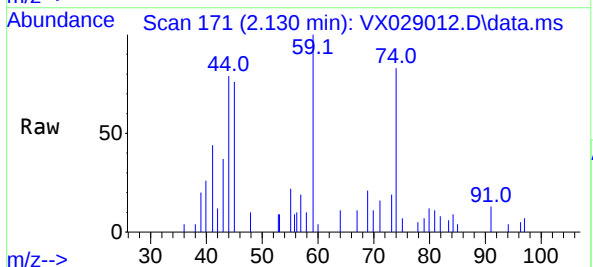
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

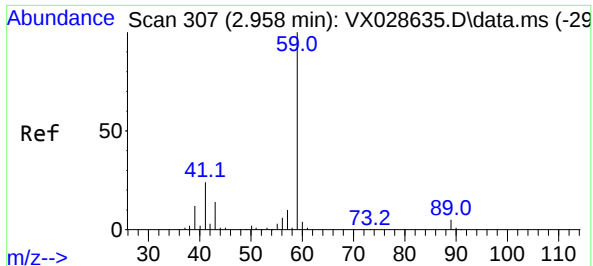
Tgt Ion:168 Resp: 330325
Ion Ratio Lower Upper
168 100
99 60.3 41.7 62.5



#8
Diethyl Ether
Concen: 0.603 ug/l
RT: 2.130 min Scan# 171
Delta R.T. 0.001 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 74 Resp: 1539
Ion Ratio Lower Upper
74 100
45 122.0 42.0 126.0





#11

Tert butyl alcohol

Concen: 2145.732 ug/l

RT: 2.953 min Scan# 307

Delta R.T. -0.005 min

Lab File: VX029012.D

Acq: 26 May 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

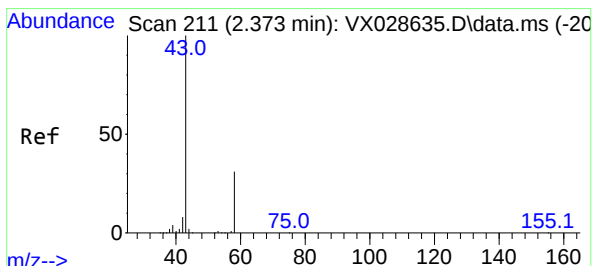
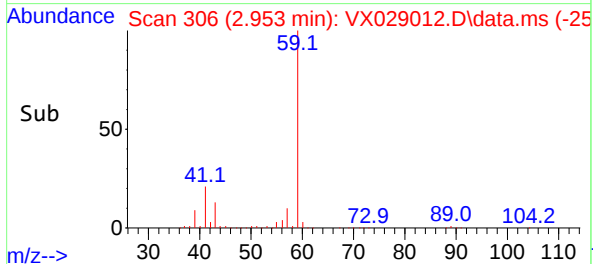
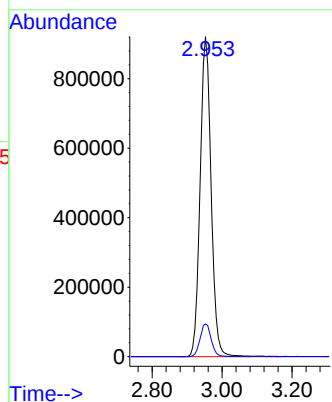
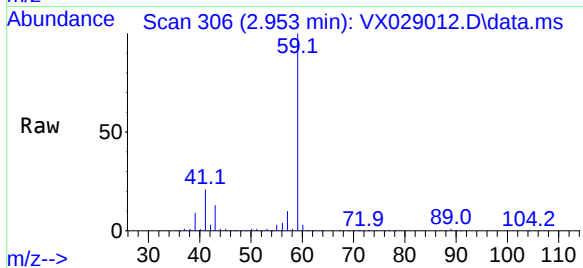
220525033-02-VOA

Tgt Ion: 59 Resp: 2003775

Ion Ratio Lower Upper

59 100

57 10.4 8.3 12.5



#16

Acetone

Concen: 167.037 ug/l

RT: 2.373 min Scan# 211

Delta R.T. 0.000 min

Lab File: VX029012.D

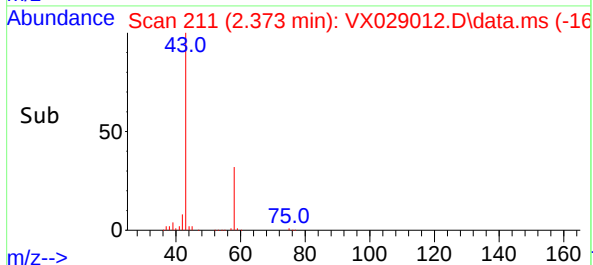
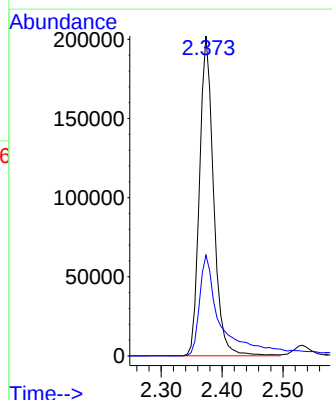
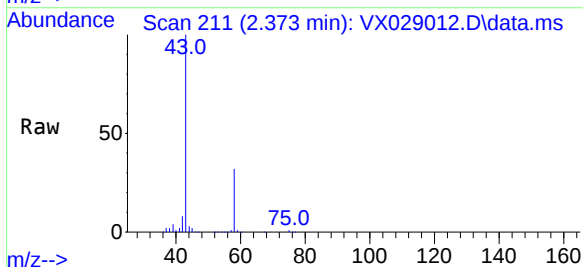
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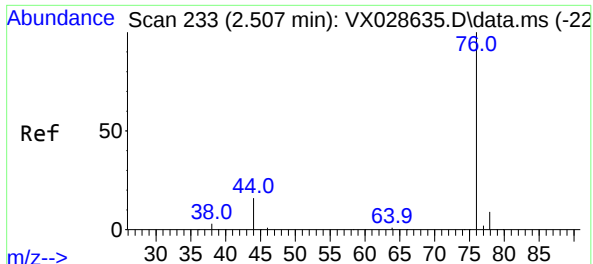
Tgt Ion: 43 Resp: 324604

Ion Ratio Lower Upper

43 100

58 31.5 28.8 43.2

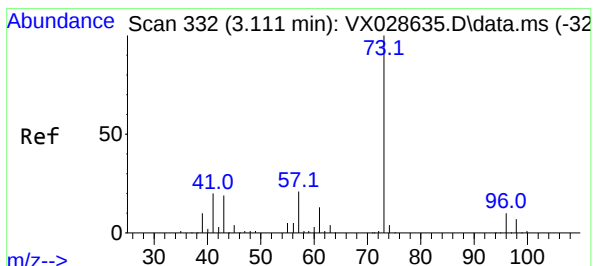
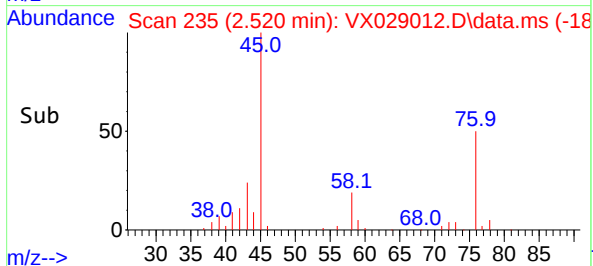
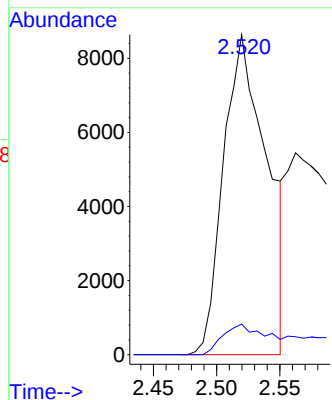
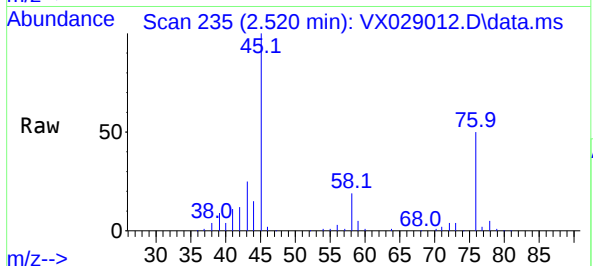




#17
Carbon Disulfide
Concen: 2.314 ug/l
RT: 2.520 min Scan# 21
Delta R.T. 0.013 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

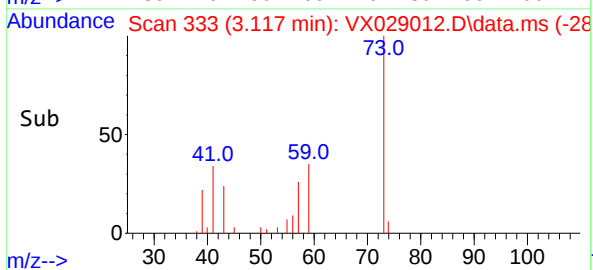
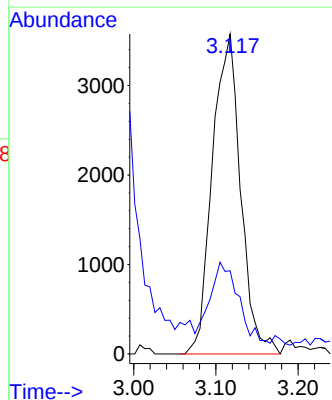
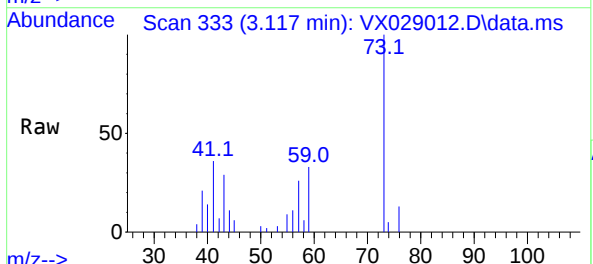
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

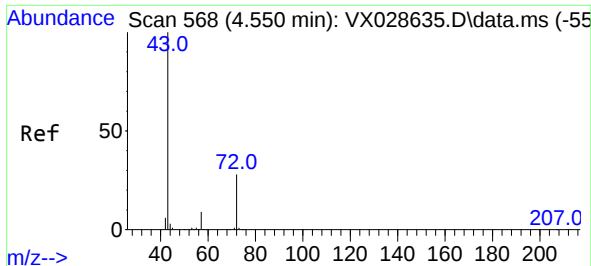
Tgt Ion: 76 Resp: 20507
Ion Ratio Lower Upper
76 100
78 9.6 7.2 10.8



#19
Methyl tert-butyl Ether
Concen: 0.705 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 73 Resp: 8551
Ion Ratio Lower Upper
73 100
57 21.4 16.8 25.2

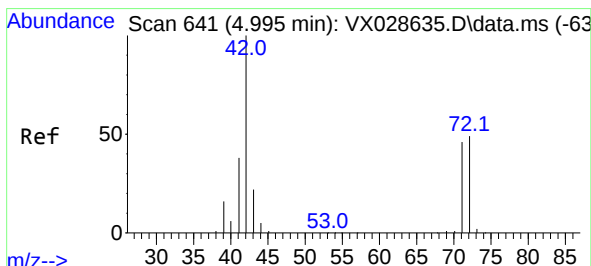
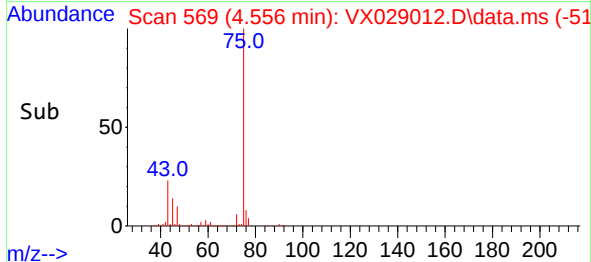
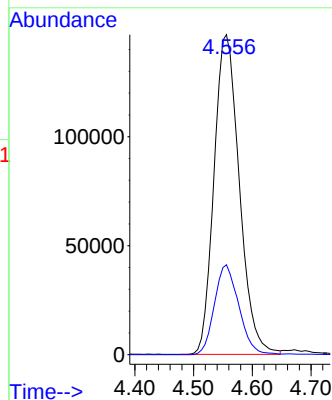
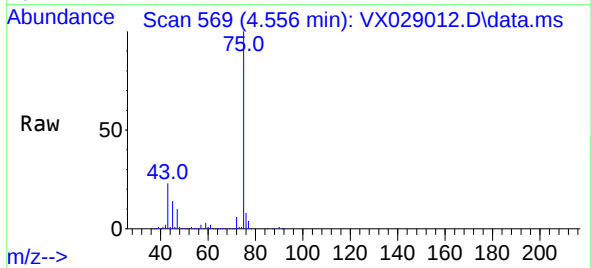




#25
2-Butanone
Concen: 144.148 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

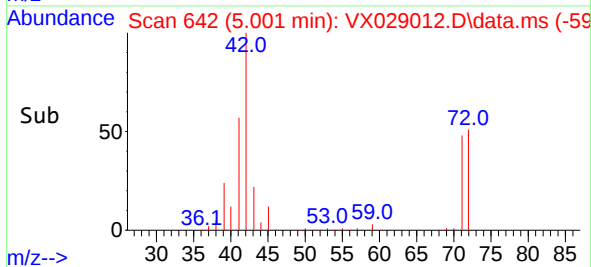
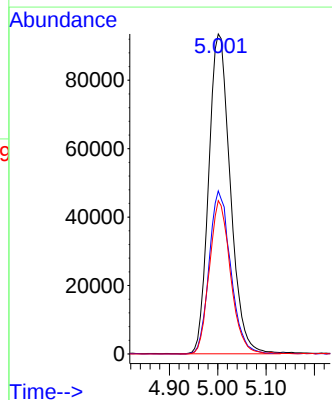
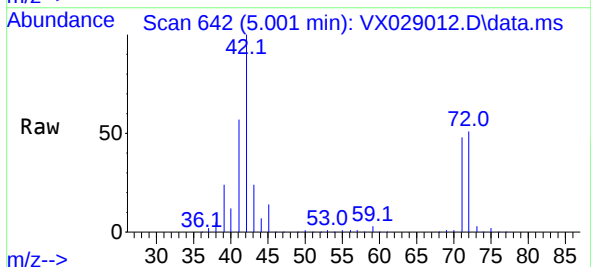
Instrument :
MSVOA_X
ClientSampleId :
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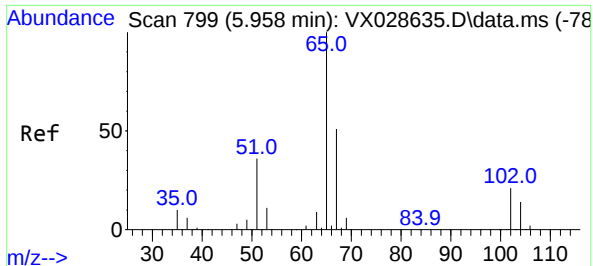
Tgt Ion: 43 Resp: 439703
Ion Ratio Lower Upper
43 100
72 28.1 24.4 36.6



#29
Tetrahydrofuran
Concen: 146.271 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 42 Resp: 290022
Ion Ratio Lower Upper
42 100
72 51.0 44.1 66.1
71 46.7 40.5 60.7

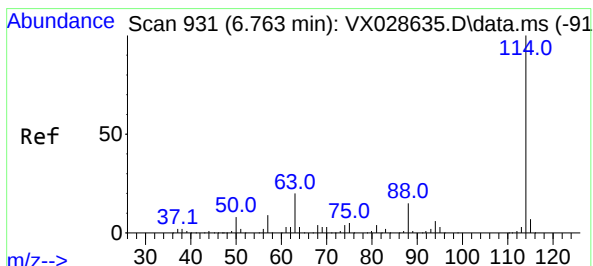
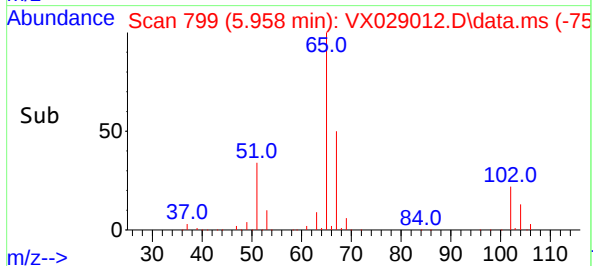
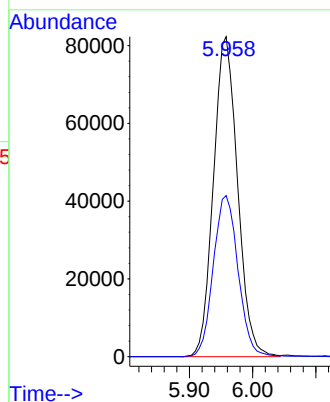
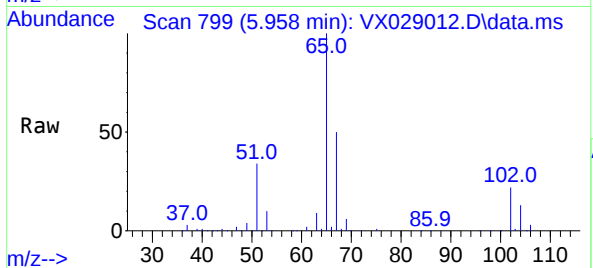




#33
1,2-Dichloroethane-d4
Concen: 48.073 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

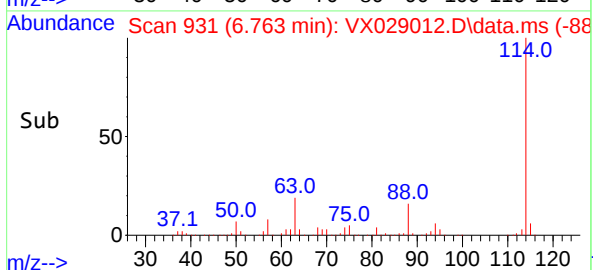
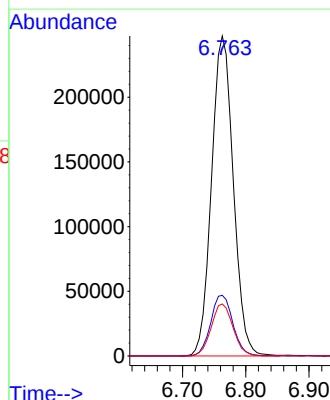
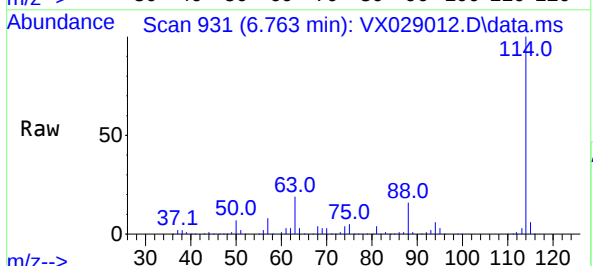
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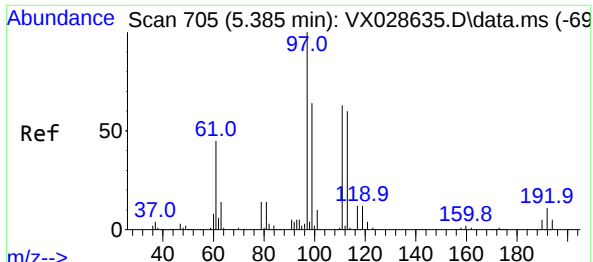
Tgt Ion: 65 Resp: 217675
Ion Ratio Lower Upper
65 100
67 51.8 0.0 107.4



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 114 Resp: 590572
Ion Ratio Lower Upper
114 100
63 19.0 0.0 36.8
88 16.2 0.0 32.4

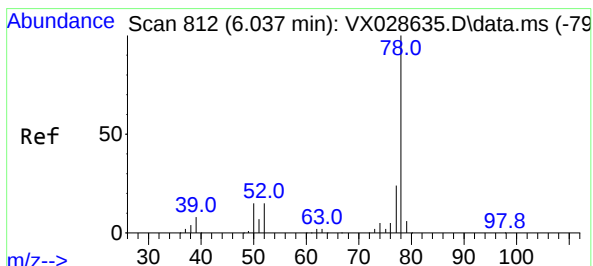
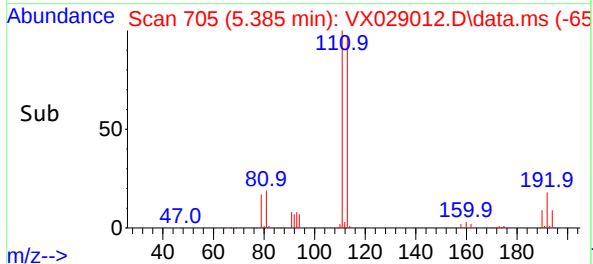
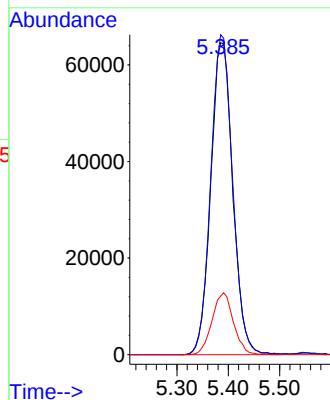
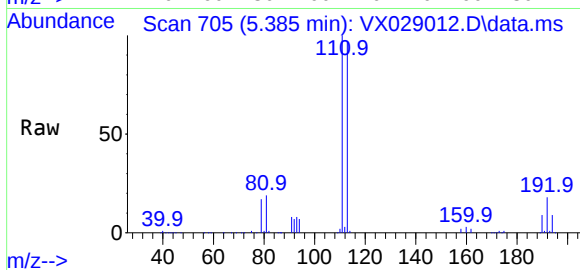




#35
Dibromofluoromethane
Concen: 49.734 ug/l
RT: 5.385 min Scan# 705
Delta R.T. 0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

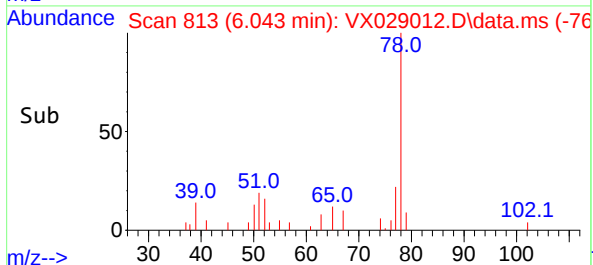
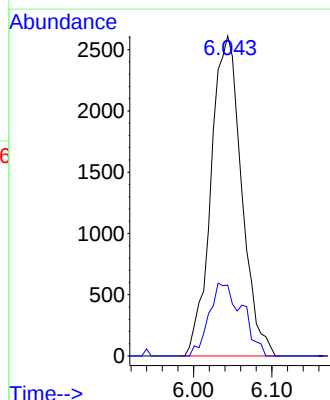
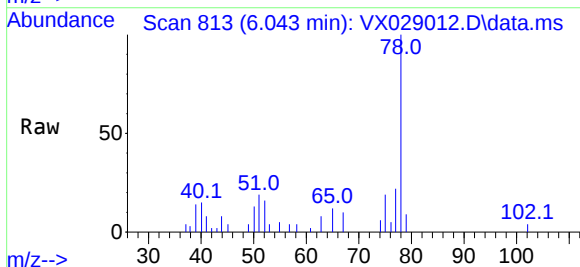
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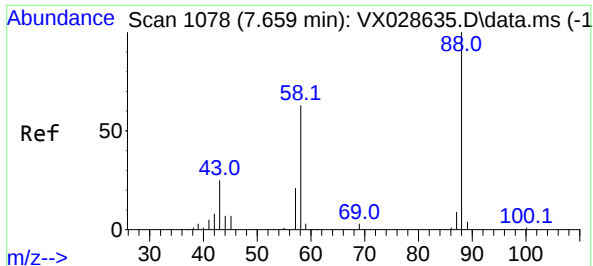
Tgt Ion:113 Resp: 192439
Ion Ratio Lower Upper
113 100
111 101.4 82.8 124.2
192 19.3 16.9 25.3



#40
Benzene
Concen: 0.424 ug/l
RT: 6.043 min Scan# 813
Delta R.T. 0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 78 Resp: 7085
Ion Ratio Lower Upper
78 100
77 22.2 19.3 28.9





#49

1,4-Dioxane

Concen: 55.661 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX029012.D

Acq: 26 May 2022 20:19

Instrument :

MSVOA_X

ClientSampleId :

220525033-02-VOA

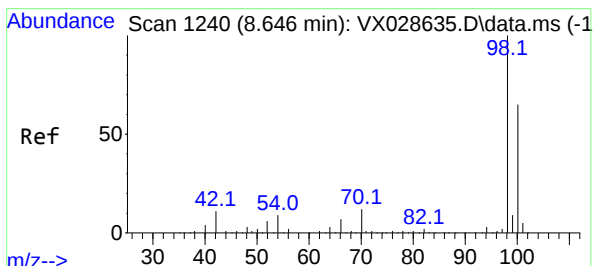
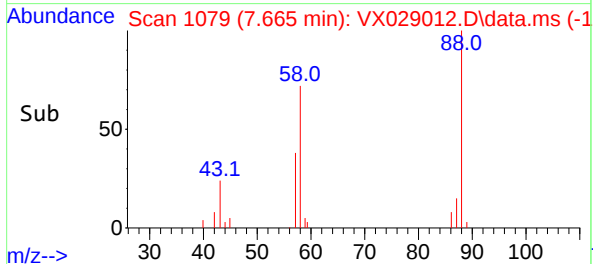
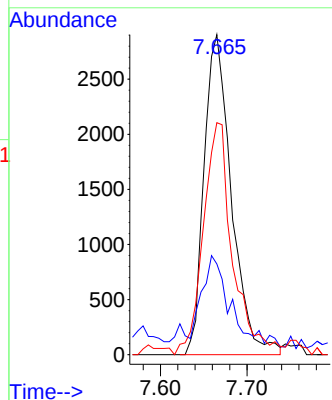
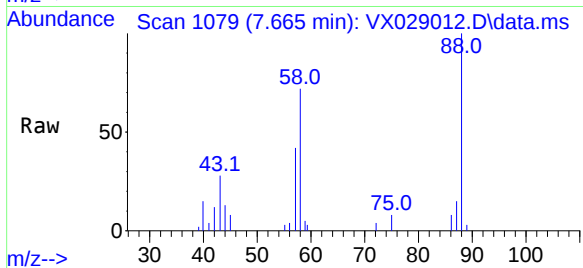
Tgt Ion: 88 Resp: 6379

Ion Ratio Lower Upper

88 100

43 29.8 21.9 32.9

58 77.7 53.7 80.5



#50

Toluene-d8

Concen: 48.405 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX029012.D

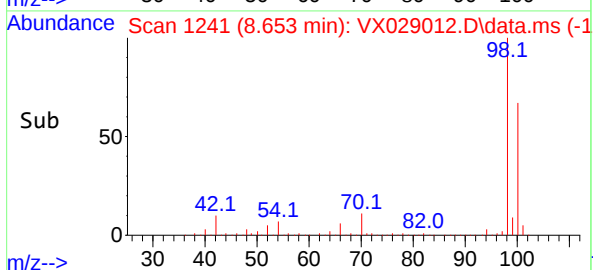
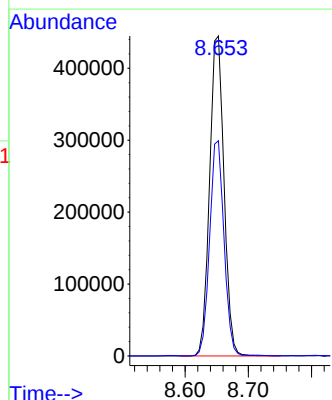
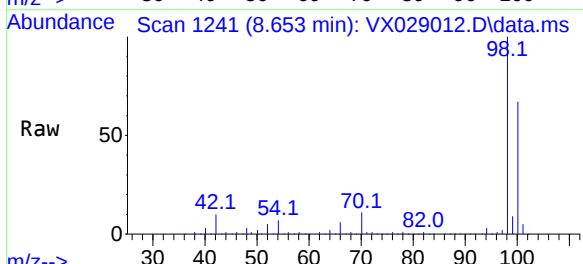
Acq: 26 May 2022 20:19

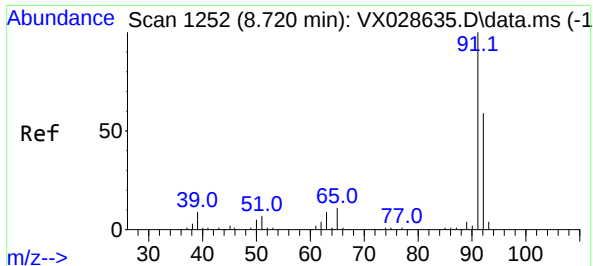
Tgt Ion: 98 Resp: 706134

Ion Ratio Lower Upper

98 100

100 66.8 52.6 78.8

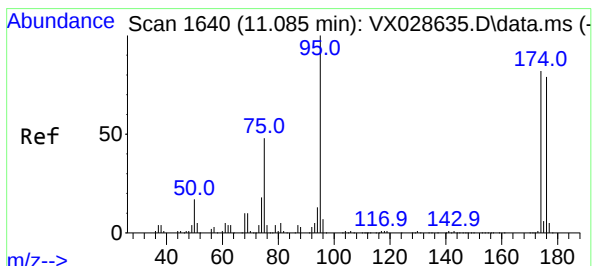
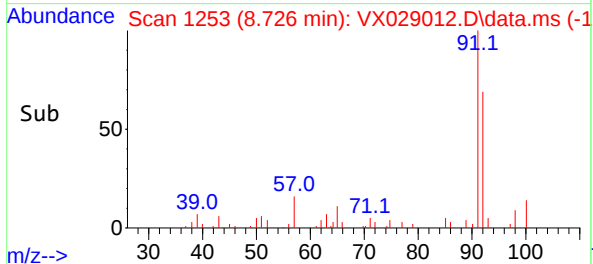
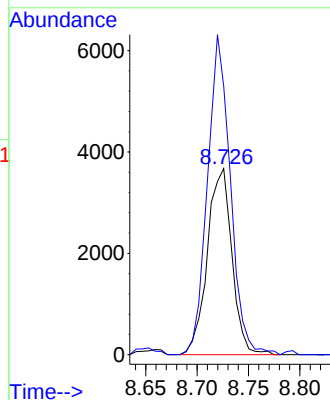
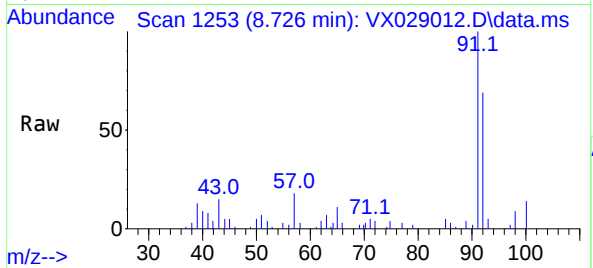




#52
Toluene
Concen: 0.569 ug/l
RT: 8.726 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

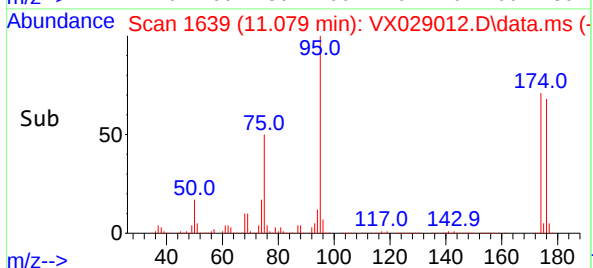
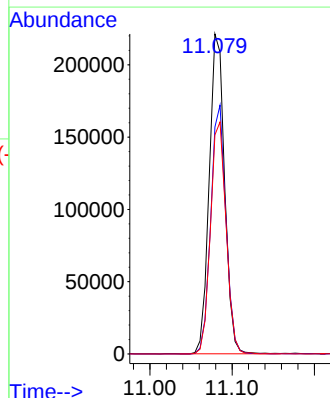
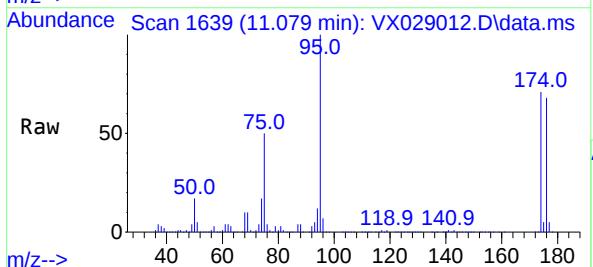
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

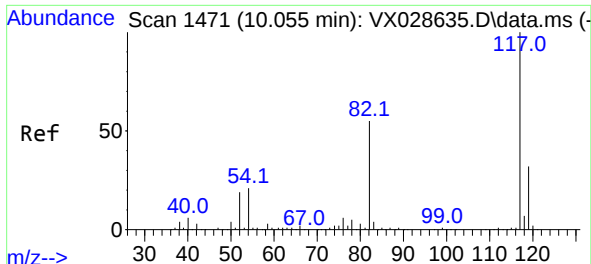
Tgt Ion: 92 Resp: 6118
Ion Ratio Lower Upper
92 100
91 159.9 137.5 206.3



#62
4-Bromofluorobenzene
Concen: 52.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 95 Resp: 286953
Ion Ratio Lower Upper
95 100
174 76.6 0.0 163.0
176 73.6 0.0 155.0

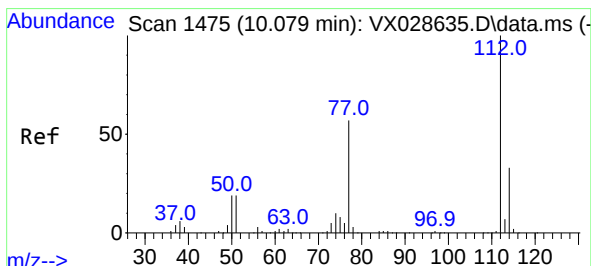
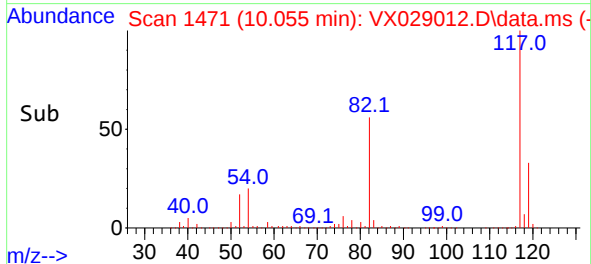
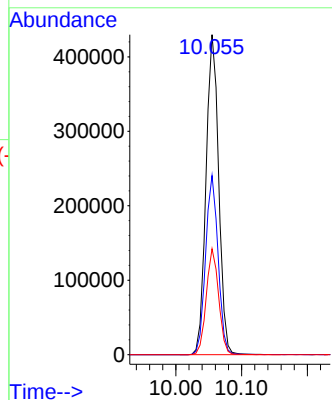
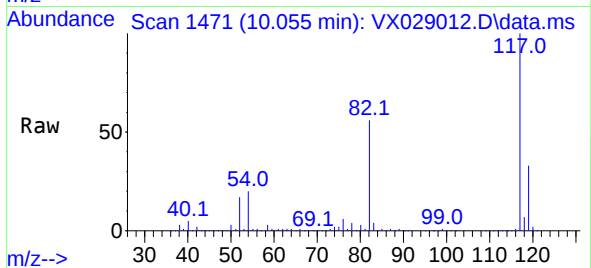




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

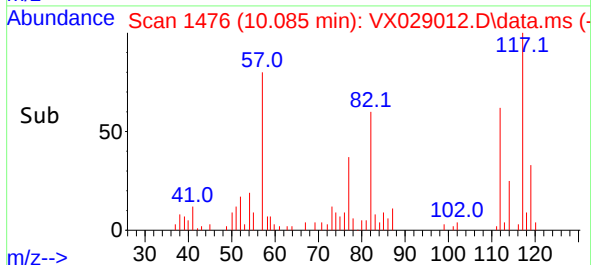
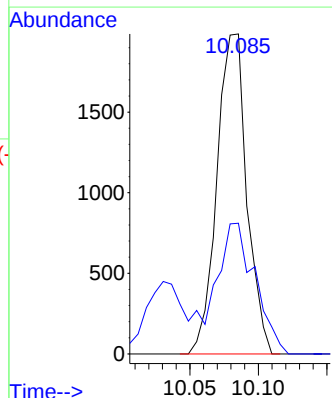
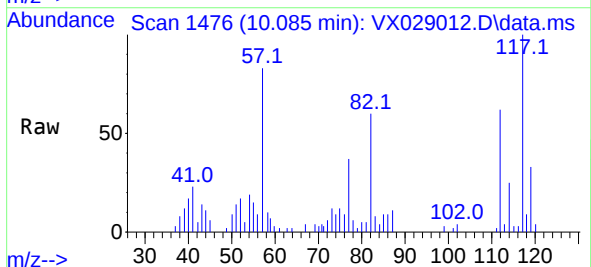
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

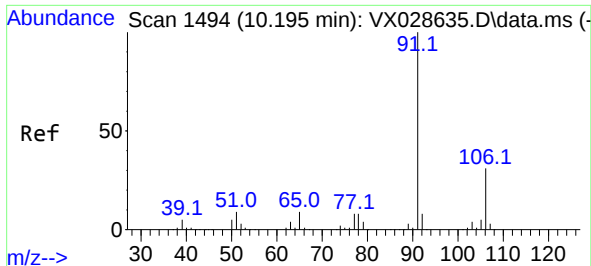
Tgt Ion:117 Resp: 576334
Ion Ratio Lower Upper
117 100
82 56.0 41.8 62.8
119 33.1 24.8 37.2



#65
Chlorobenzene
Concen: 0.246 ug/l
RT: 10.085 min Scan# 1476
Delta R.T. 0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion:112 Resp: 3013
Ion Ratio Lower Upper
112 100
114 37.9 25.8 38.8

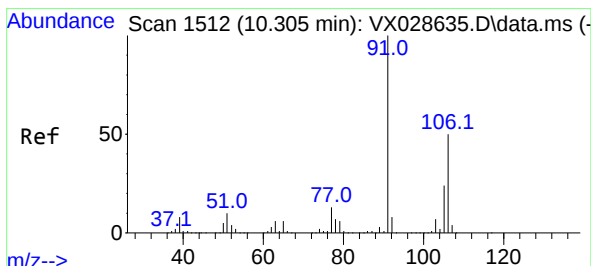
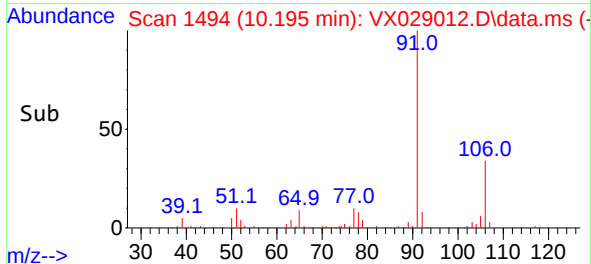
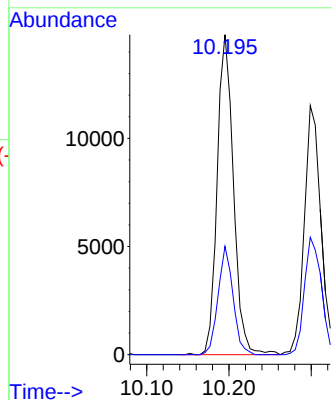
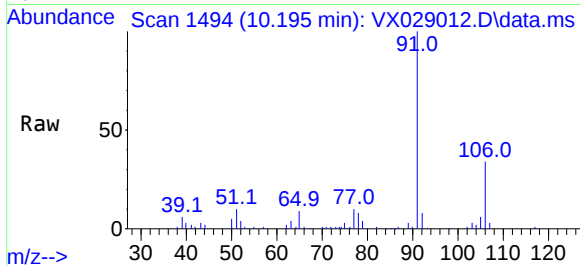




#67
Ethyl Benzene
Concen: 0.930 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

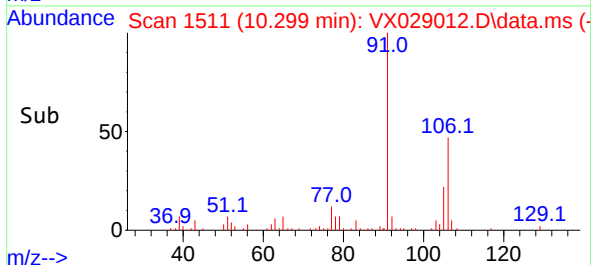
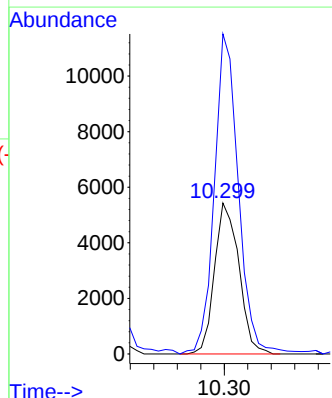
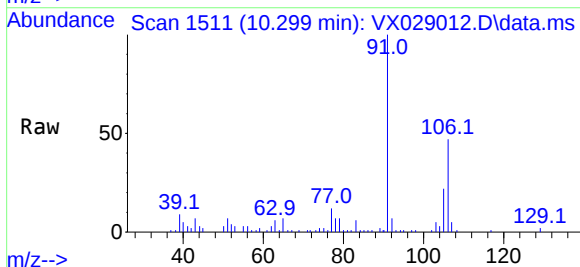
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

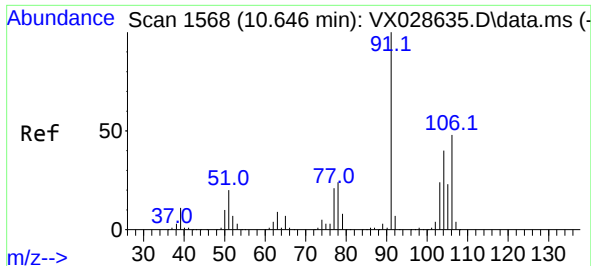
Tgt Ion: 91 Resp: 20373
Ion Ratio Lower Upper
91 100
106 33.8 24.6 36.8



#68
m/p-Xylenes
Concen: 0.917 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion: 106 Resp: 7828
Ion Ratio Lower Upper
106 100
91 209.1 160.4 240.6

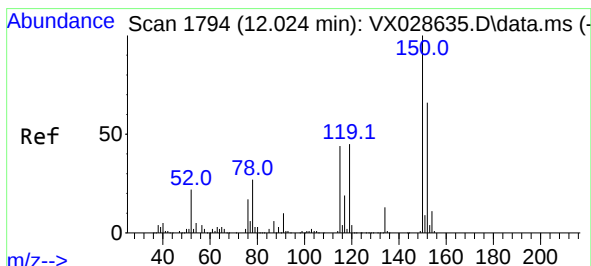
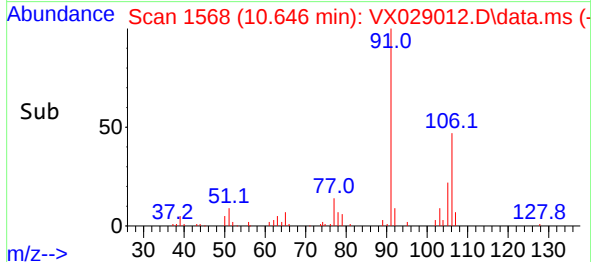
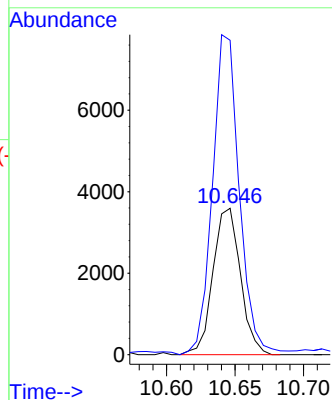
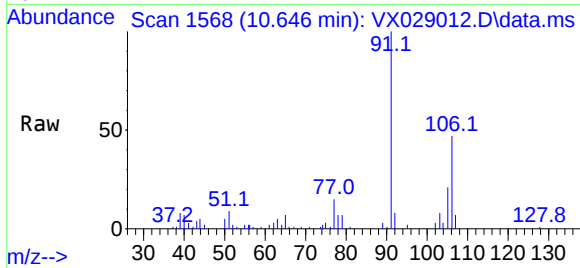




#69
o-Xylene
Concen: 0.596 ug/l
RT: 10.646 min Scan# 11
Delta R.T. 0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

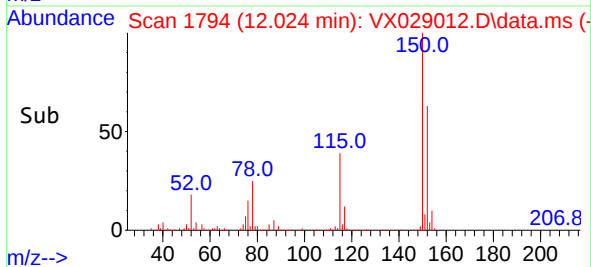
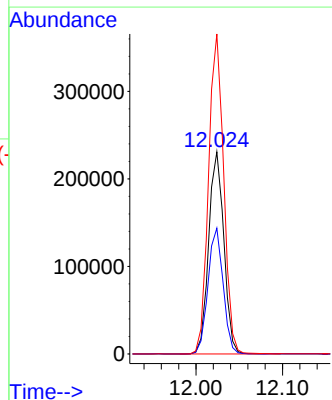
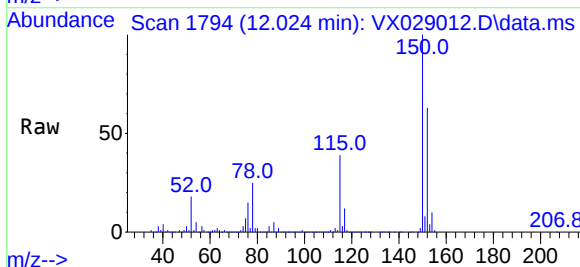
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

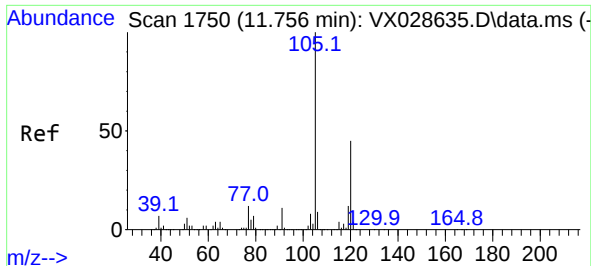
Tgt Ion:106 Resp: 5008
Ion Ratio Lower Upper
106 100
91 213.6 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Tgt Ion:152 Resp: 281521
Ion Ratio Lower Upper
152 100
115 62.1 37.5 112.7
150 158.2 0.0 338.2

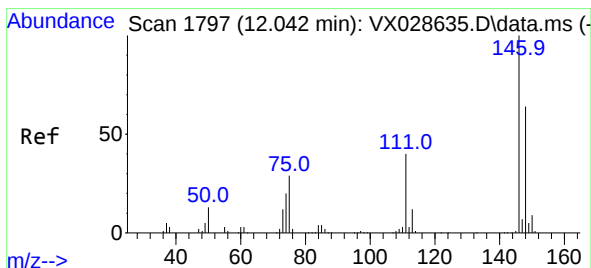
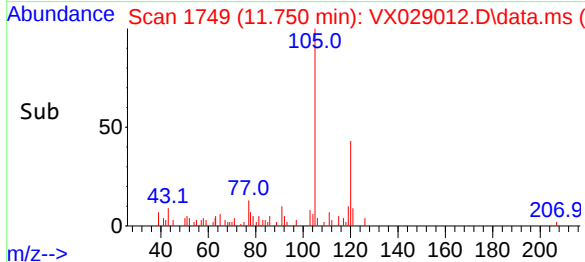
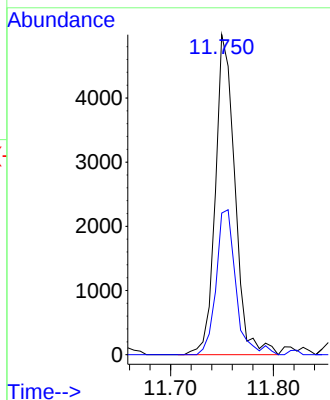
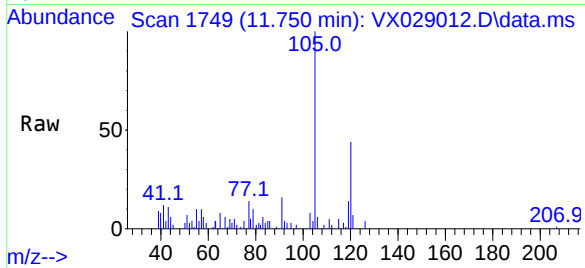




#84
1,2,4-Trimethylbenzene
Concen: 0.368 ug/l
RT: 11.750 min Scan# 1750
Delta R.T. -0.006 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

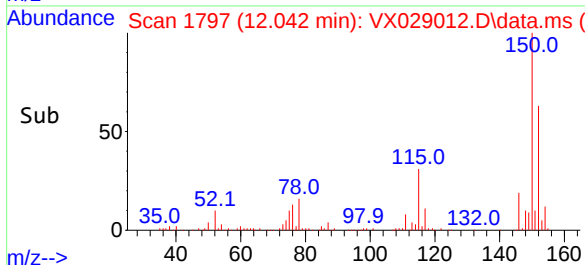
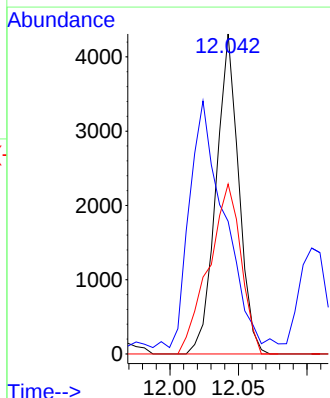
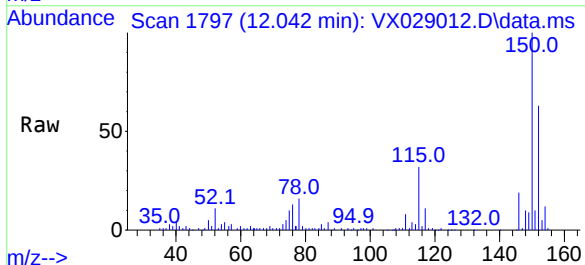
Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA

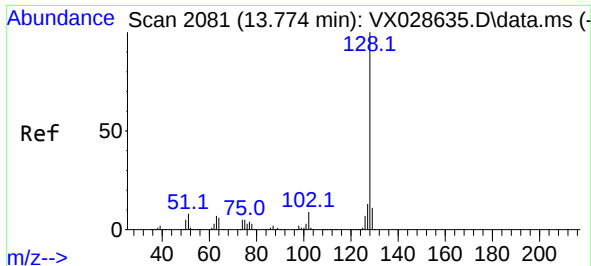
Tgt Ion:105 Resp: 6567
Ion Ratio Lower Upper
105 100
120 45.5 22.6 67.8



#88
1,4-Dichlorobenzene
Concen: 0.483 ug/l
RT: 12.042 min Scan# 1797
Delta R.T. 0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

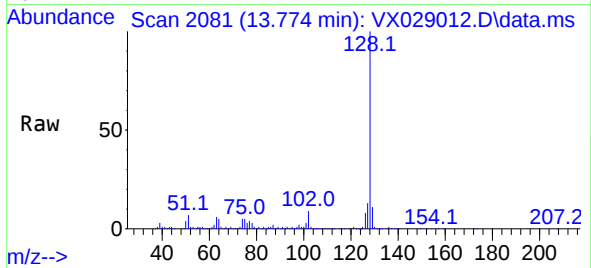
Tgt Ion:146 Resp: 4963
Ion Ratio Lower Upper
146 100
111 120.6 19.2 57.6#
148 75.6 32.3 96.9





#95
Naphthalene
Concen: 6.787 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX029012.D
Acq: 26 May 2022 20:19

Instrument :
MSVOA_X
ClientSampleId :
220525033-02-VOA



Tgt Ion:128 Resp: 135764
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.4
129 11.2 8.7 13.1

