

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX052722\
 Data File : VX029020.D
 Acq On : 27 May 2022 13:40
 Operator : JC/MD
 Sample : N3067-02
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 SUM-WATER-0526

Quant Time: May 27 22:08:44 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)

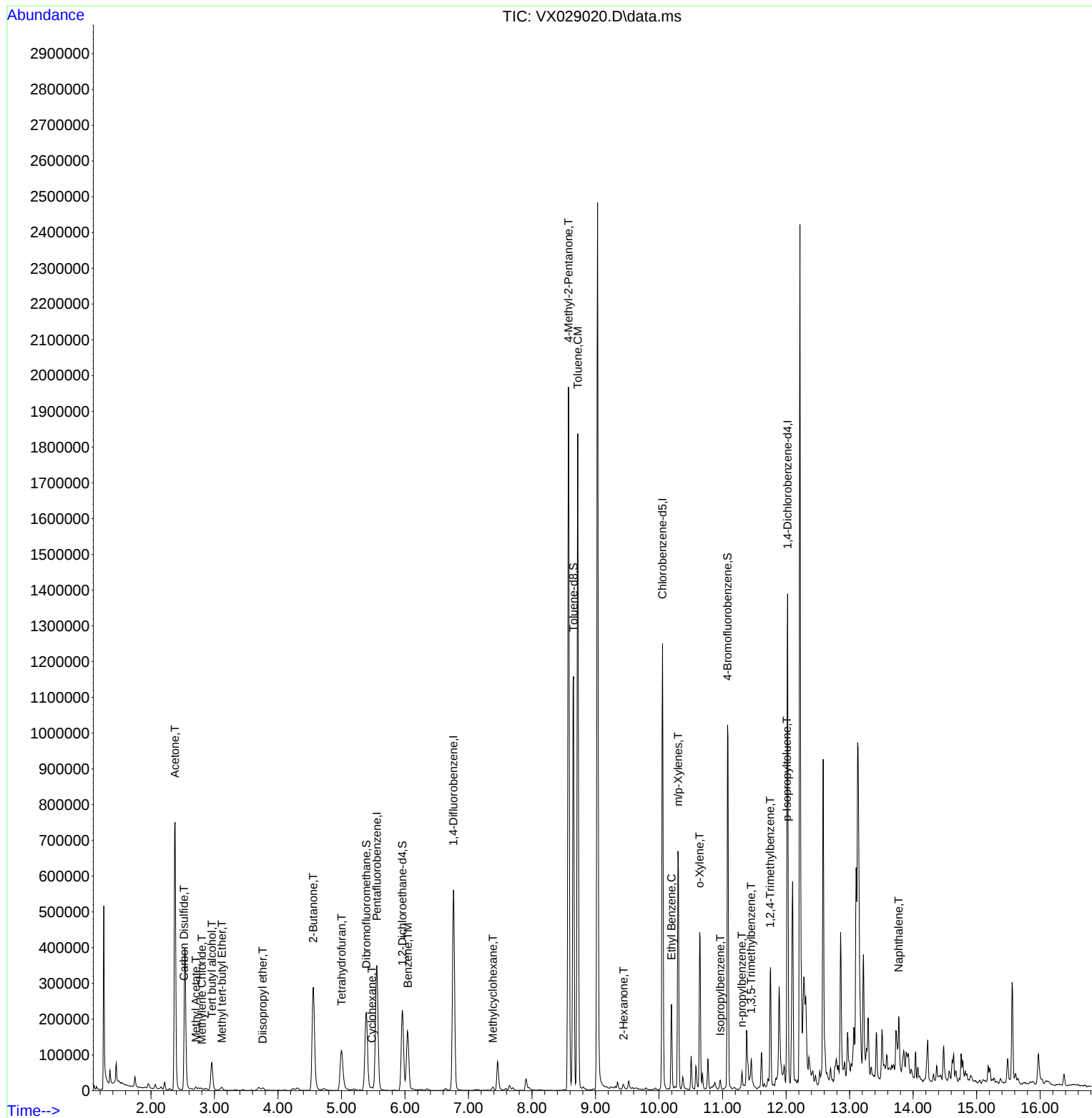
Internal Standards						
1) Pentafluorobenzene	5.556	168	336750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	589620	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	576222	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	286718	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	216522	46.906	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	=	93.820%	
35) Dibromofluoromethane	5.391	113	194394	50.321	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	=	100.640%	
50) Toluene-d8	8.653	98	710486	48.782	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	=	97.560%	
62) 4-Bromofluorobenzene	11.079	95	286494	52.664	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	=	105.320%	
Target Compounds						
						Qvalue
11) Tert butyl alcohol	2.959	59	89457	86.086	ug/l	99
16) Acetone	2.380	43	788194	397.856	ug/l	96
17) Carbon Disulfide	2.520	76	10805	1.196	ug/l	99
18) Methyl Acetate	2.709	43	8763	1.766	ug/l	100
19) Methyl tert-butyl Ether	3.117	73	6709	0.542	ug/l #	70
20) Methylene Chloride	2.800	84	2169	0.522	ug/l #	67
22) Diisopropyl ether	3.757	45	7386	0.618	ug/l #	82
25) 2-Butanone	4.556	43	496547	159.677	ug/l	98
29) Tetrahydrofuran	5.001	42	5869	2.904	ug/l #	62
31) Cyclohexane	5.477	56	5016	0.783	ug/l #	86
39) Methylcyclohexane	7.385	83	3453	0.519	ug/l #	74
40) Benzene	6.044	78	206849	12.404	ug/l	99
51) 4-Methyl-2-Pentanone	8.574	43	1099143	175.999	ug/l	97
52) Toluene	8.720	92	684997	63.857	ug/l	97
59) 2-Hexanone	9.439	43	7869	1.622	ug/l	91
67) Ethyl Benzene	10.195	91	134627	6.144	ug/l	98
68) m/p-Xylenes	10.299	106	160600	18.827	ug/l	99
69) o-Xylene	10.640	106	99112	11.801	ug/l	98
73) Isopropylbenzene	10.963	105	10544	0.485	ug/l	100
78) n-propylbenzene	11.305	91	25523	1.015	ug/l	98
80) 1,3,5-Trimethylbenzene	11.451	105	33678	1.859	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	137221	7.553	ug/l	99
86) p-Isopropyltoluene	12.012	119	13099	0.721	ug/l	88
95) Naphthalene	13.774	128	91548	4.493	ug/l	98

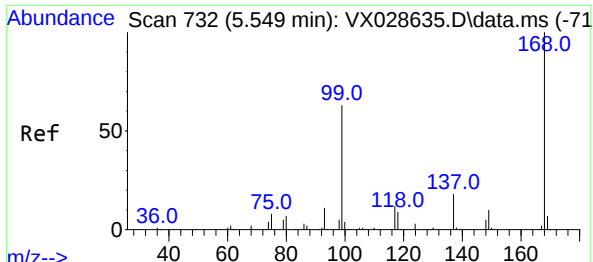
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
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SUM-WATER-0526

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Quant Title : SW846 8260
QLast Update : Thu May 12 14:58:53 2022
Response via : Initial Calibration

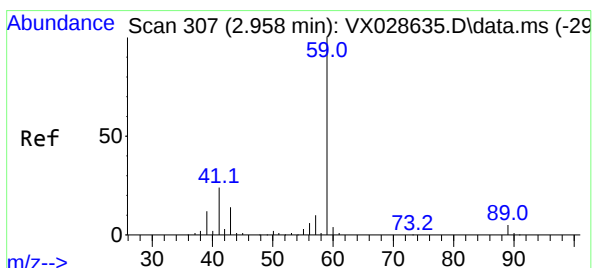
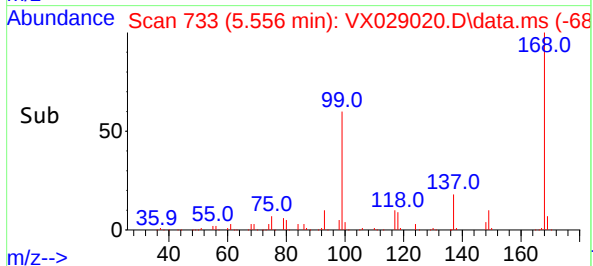
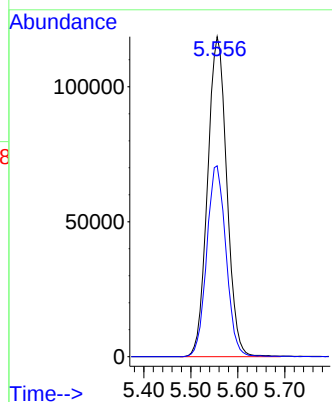
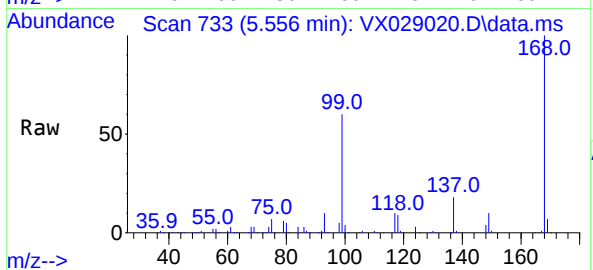




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 71
Delta R.T. 0.007 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

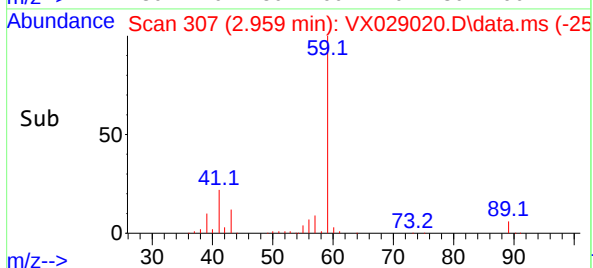
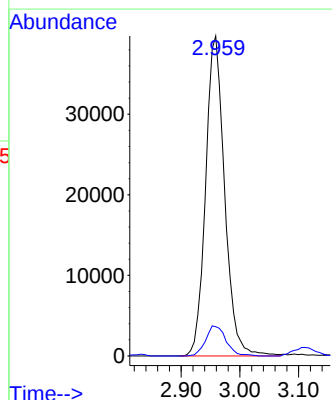
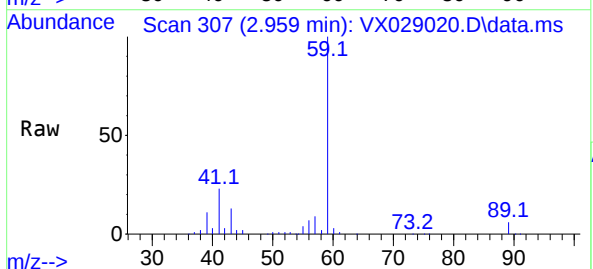
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

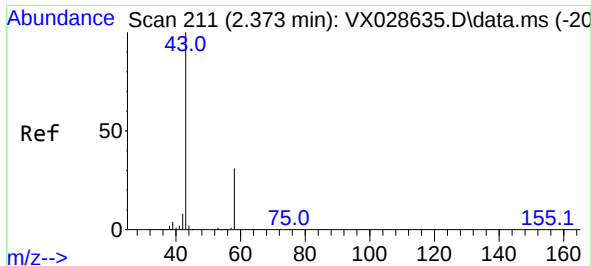
Tgt Ion:168 Resp: 336750
Ion Ratio Lower Upper
168 100
99 59.7 41.7 62.5



#11
Tert butyl alcohol
Concen: 86.086 ug/l
RT: 2.959 min Scan# 307
Delta R.T. 0.001 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 59 Resp: 89457
Ion Ratio Lower Upper
59 100
57 10.1 8.3 12.5

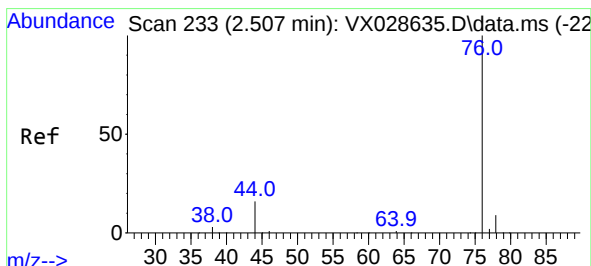
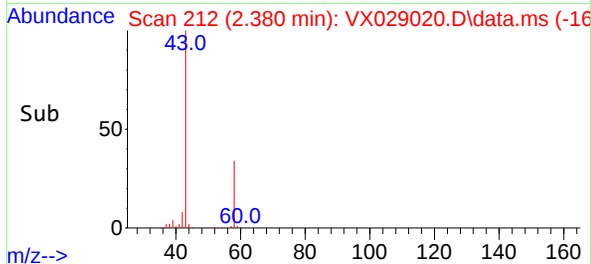
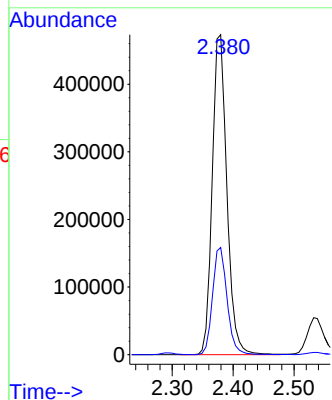
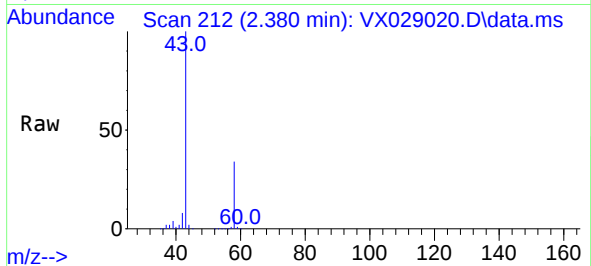




#16
Acetone
Concen: 397.856 ug/l
RT: 2.380 min Scan# 211
Delta R.T. 0.007 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

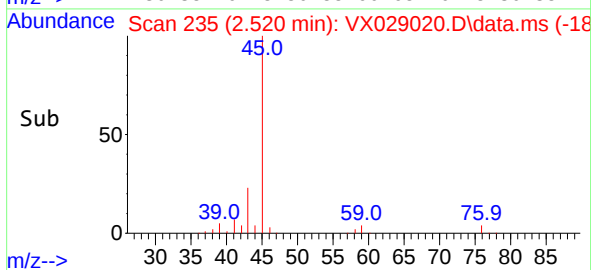
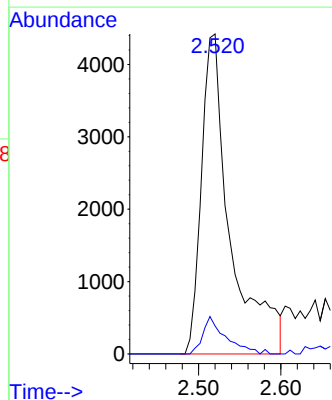
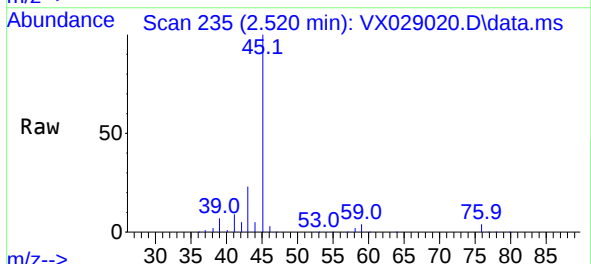
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

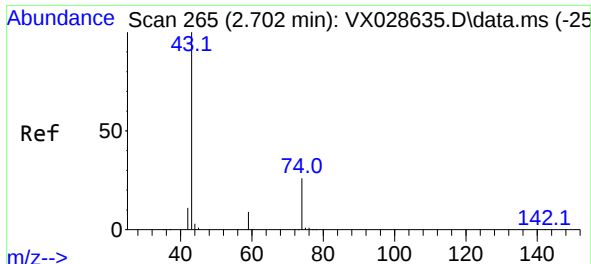
Tgt Ion: 43 Resp: 788194
Ion Ratio Lower Upper
43 100
58 33.4 28.8 43.2



#17
Carbon Disulfide
Concen: 1.196 ug/l
RT: 2.520 min Scan# 235
Delta R.T. 0.013 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 76 Resp: 10805
Ion Ratio Lower Upper
76 100
78 8.8 7.2 10.8

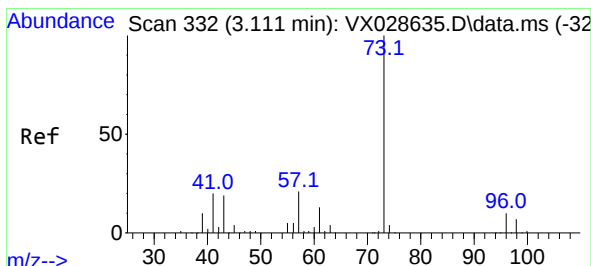
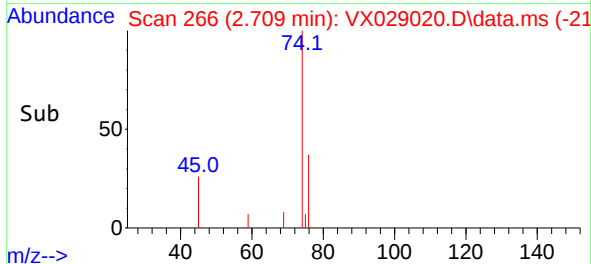
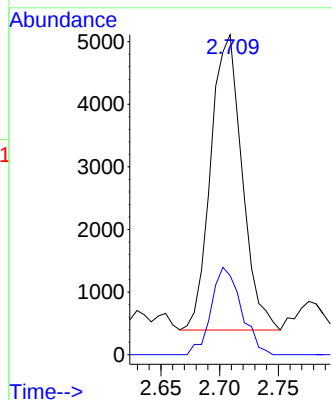
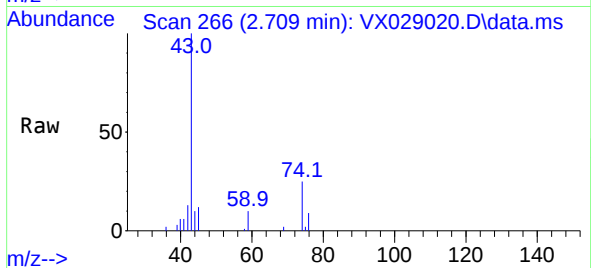




#18
Methyl Acetate
Concen: 1.766 ug/l
RT: 2.709 min Scan# 21
Delta R.T. 0.007 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

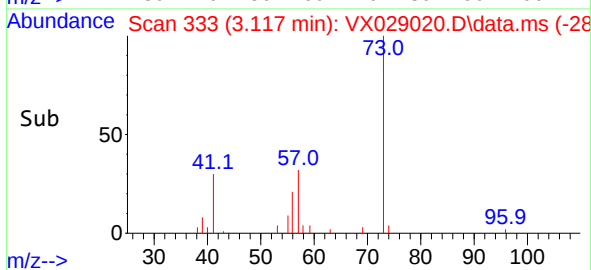
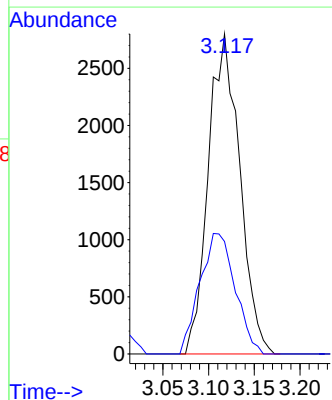
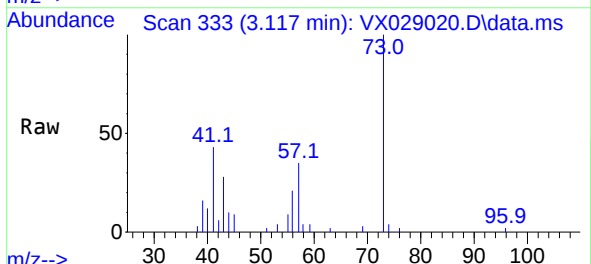
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

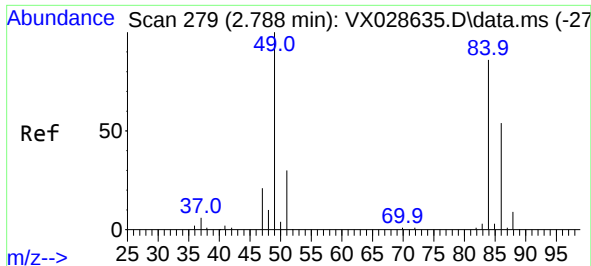
Tgt Ion: 43 Resp: 8763
Ion Ratio Lower Upper
43 100
74 28.3 22.8 34.2



#19
Methyl tert-butyl Ether
Concen: 0.542 ug/l
RT: 3.117 min Scan# 333
Delta R.T. 0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 73 Resp: 6709
Ion Ratio Lower Upper
73 100
57 35.2 16.8 25.2#

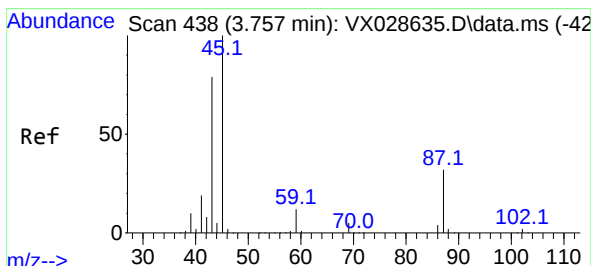
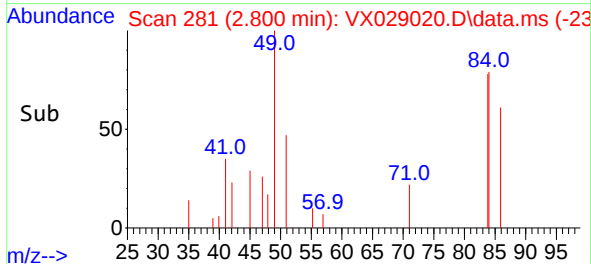
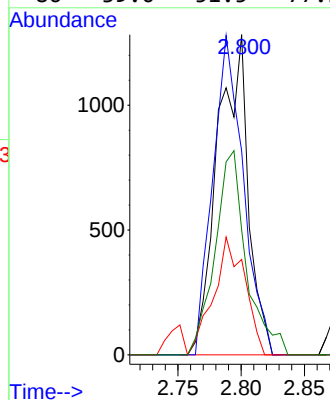
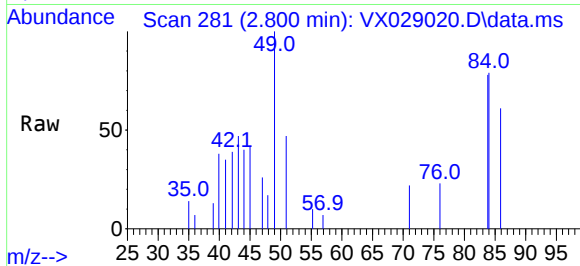




#20
Methylene Chloride
Concen: 0.522 ug/l
RT: 2.800 min Scan# 2169
Delta R.T. 0.012 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

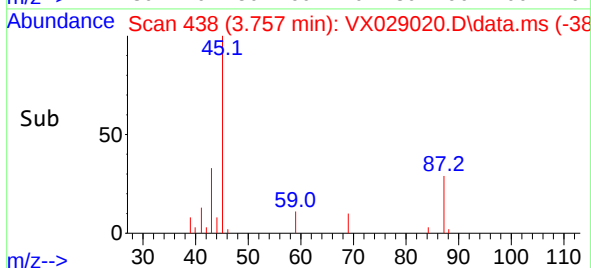
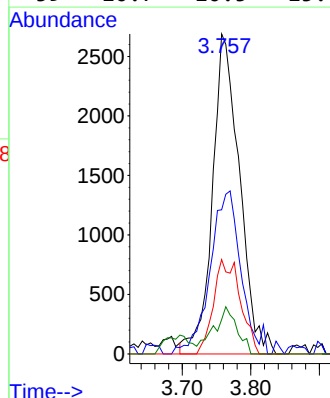
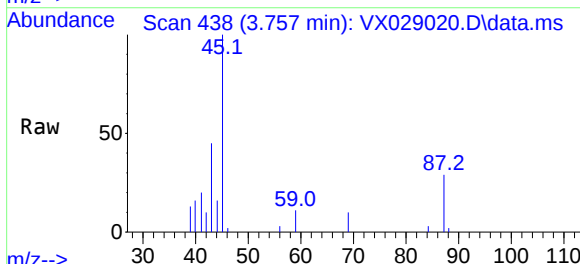
Instrument :
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ClientSampleId :
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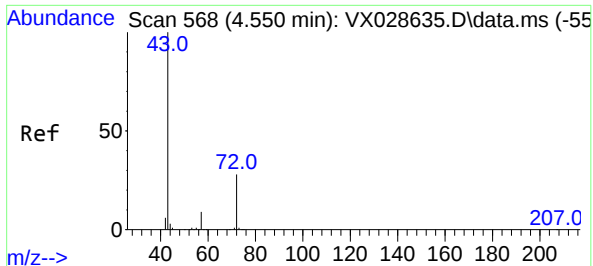
Tgt Ion:	84	Resp:	2169
Ion	Ratio	Lower	Upper
84	100		
49	63.8	85.5	128.3#
51	29.8	26.6	39.8
86	39.0	51.5	77.3#



#22
Diisopropyl ether
Concen: 0.618 ug/l
RT: 3.757 min Scan# 438
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion:	45	Resp:	7386
Ion	Ratio	Lower	Upper
45	100		
43	43.1	50.8	76.2#
87	29.5	26.6	39.8
59	10.7	10.5	15.7

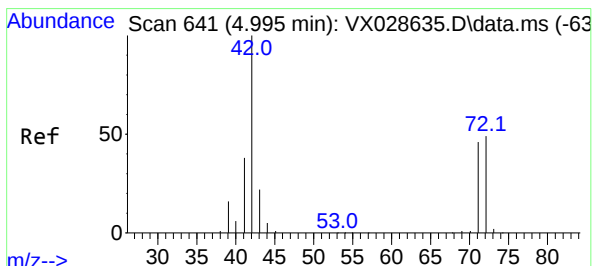
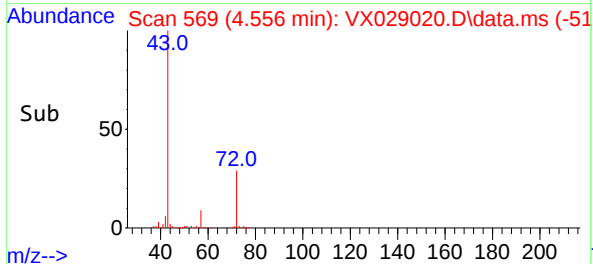
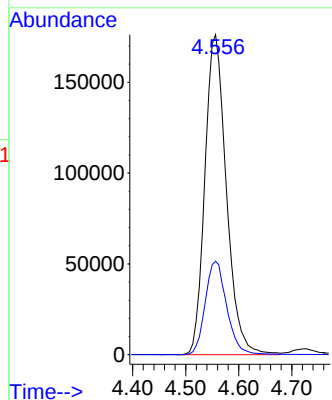
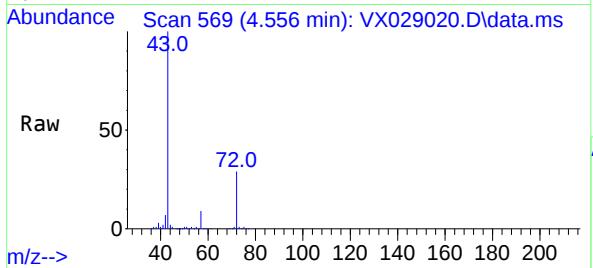




#25
2-Butanone
Concen: 159.677 ug/l
RT: 4.556 min Scan# 50
Delta R.T. 0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

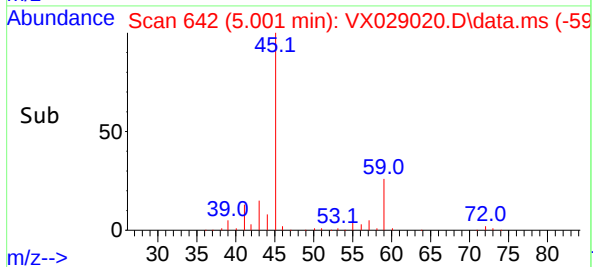
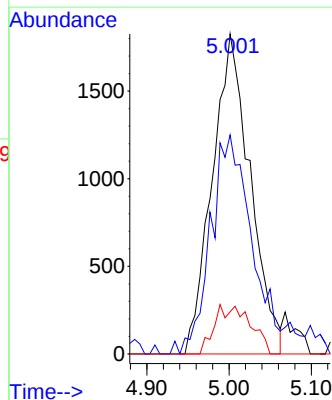
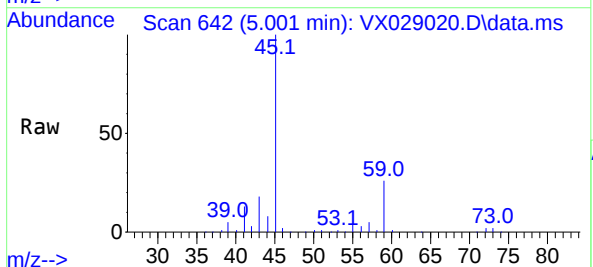
Instrument :
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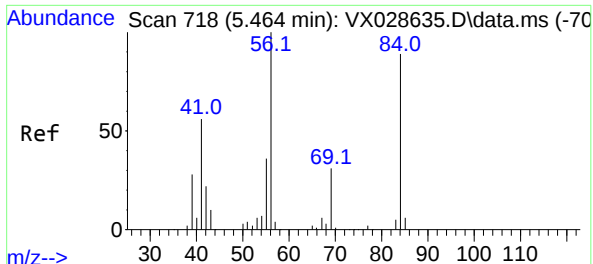
Tgt Ion: 43 Resp: 496547
Ion Ratio Lower Upper
43 100
72 29.2 24.4 36.6



#29
Tetrahydrofuran
Concen: 2.904 ug/l
RT: 5.001 min Scan# 642
Delta R.T. 0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

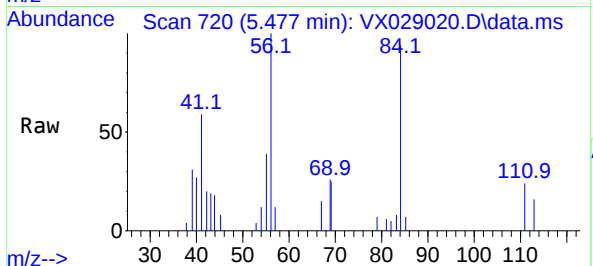
Tgt Ion: 42 Resp: 5869
Ion Ratio Lower Upper
42 100
72 73.4 44.1 66.1#
71 14.4 40.5 60.7#



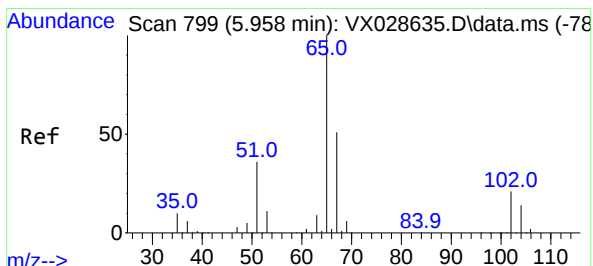
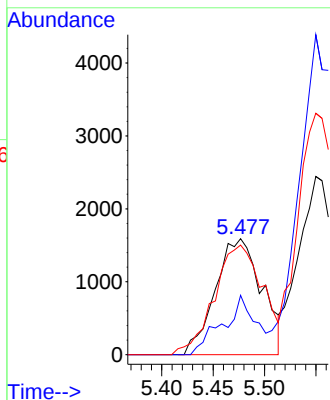
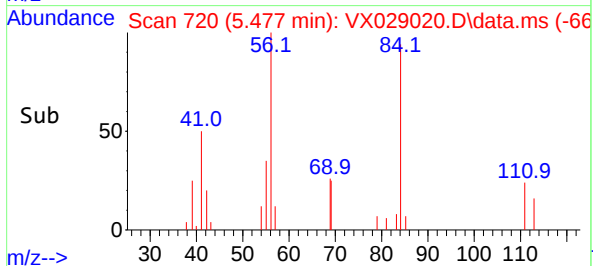


#31
Cyclohexane
Concen: 0.783 ug/l
RT: 5.477 min Scan# 718
Delta R.T. 0.013 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Instrument :
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ClientSampleId :
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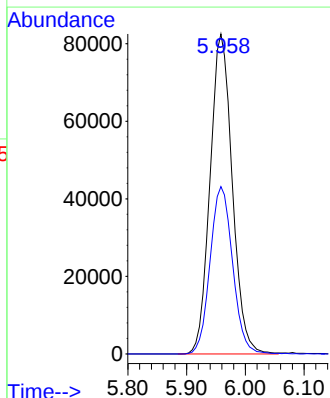
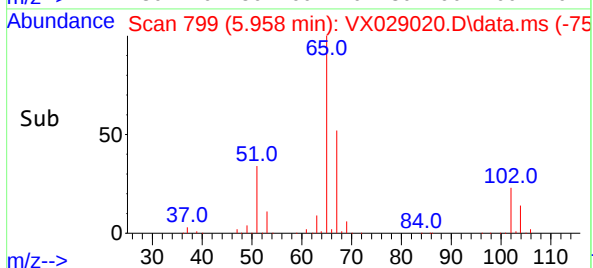
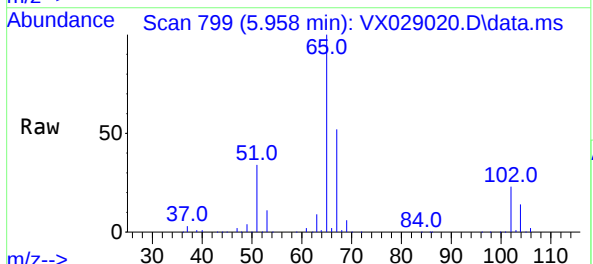


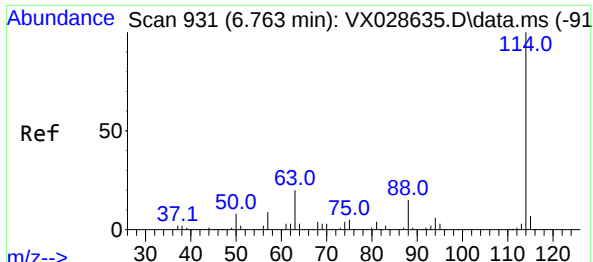
Tgt Ion: 56 Resp: 5016
Ion Ratio Lower Upper
56 100
69 51.2 26.7 40.1#
84 89.3 77.2 115.8



#33
1,2-Dichloroethane-d4
Concen: 46.906 ug/l
RT: 5.958 min Scan# 799
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 65 Resp: 216522
Ion Ratio Lower Upper
65 100
67 53.0 0.0 107.4

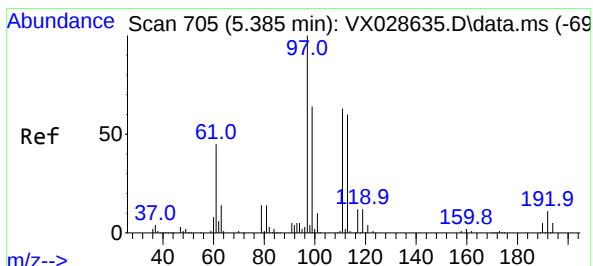
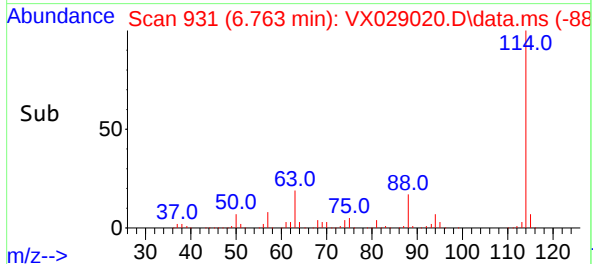
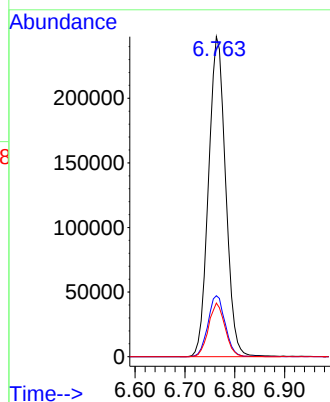
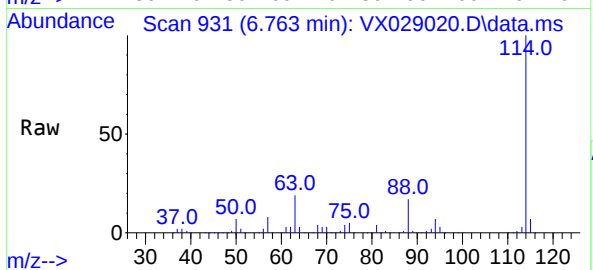




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 911
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

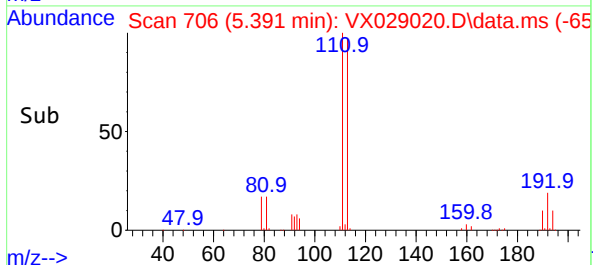
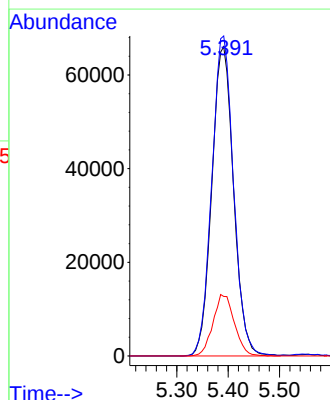
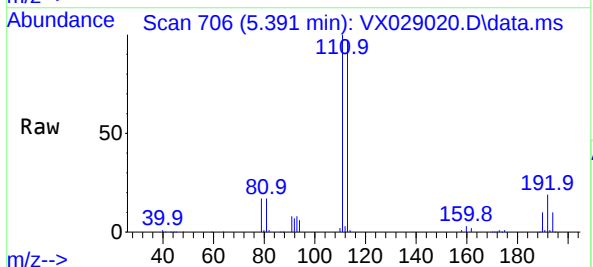
Instrument :
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SUM-WATER-0526

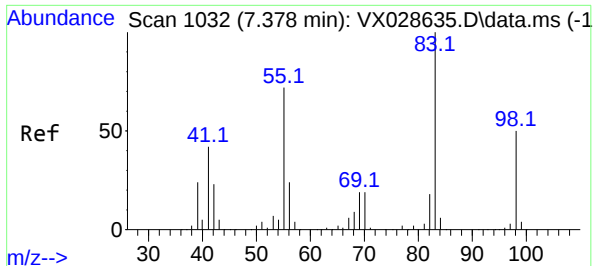
Tgt Ion:114 Resp: 589620
Ion Ratio Lower Upper
114 100
63 19.1 0.0 36.8
88 16.7 0.0 32.4



#35
Dibromofluoromethane
Concen: 50.321 ug/l
RT: 5.391 min Scan# 706
Delta R.T. 0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion:113 Resp: 194394
Ion Ratio Lower Upper
113 100
111 103.2 82.8 124.2
192 19.5 16.9 25.3





#39

Methylcyclohexane

Concen: 0.519 ug/l

RT: 7.385 min Scan# 10

Delta R.T. 0.007 min

Lab File: VX029020.D

Acq: 27 May 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

SUM-WATER-0526

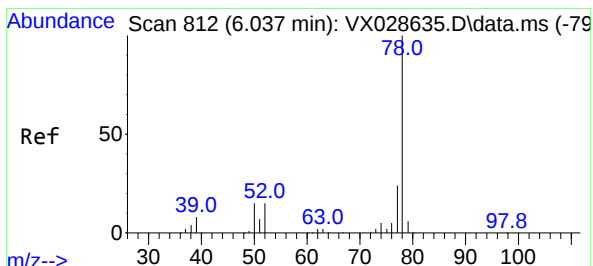
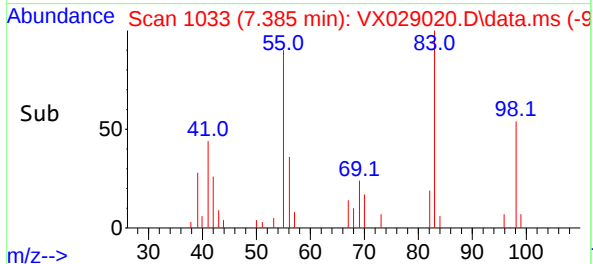
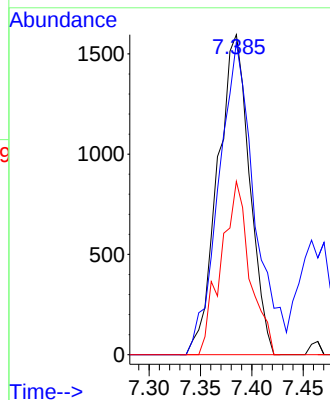
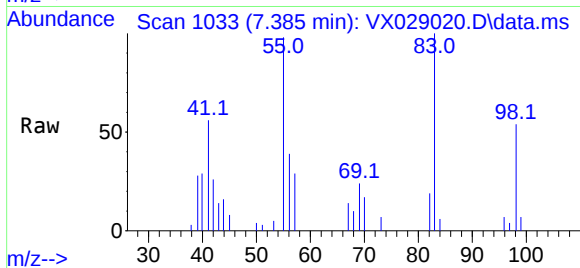
Tgt Ion: 83 Resp: 3453

Ion Ratio Lower Upper

83 100

55 97.6 54.6 81.8#

98 54.1 37.4 56.2



#40

Benzene

Concen: 12.404 ug/l

RT: 6.044 min Scan# 813

Delta R.T. 0.007 min

Lab File: VX029020.D

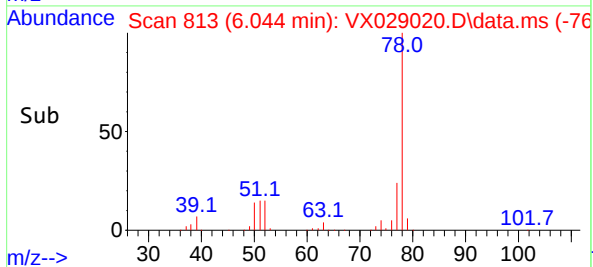
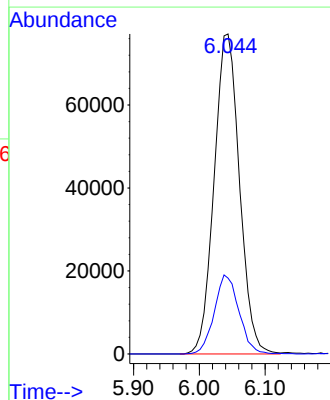
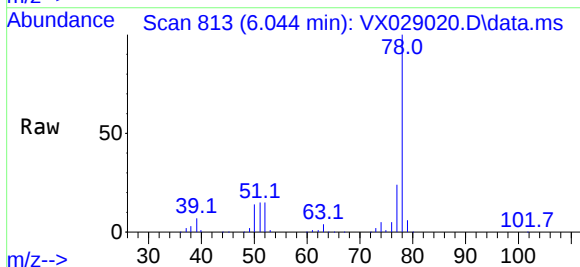
Acq: 27 May 2022 13:40

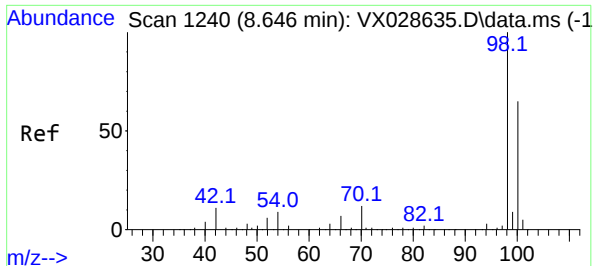
Tgt Ion: 78 Resp: 206849

Ion Ratio Lower Upper

78 100

77 23.7 19.3 28.9





#50

Toluene-d8

Concen: 48.782 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.007 min

Lab File: VX029020.D

Acq: 27 May 2022 13:40

Instrument :

MSVOA_X

ClientSampleId :

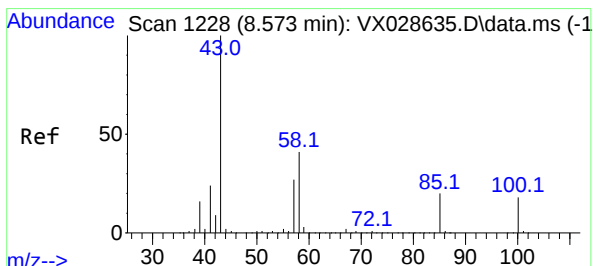
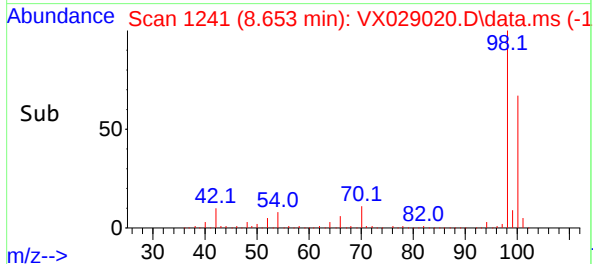
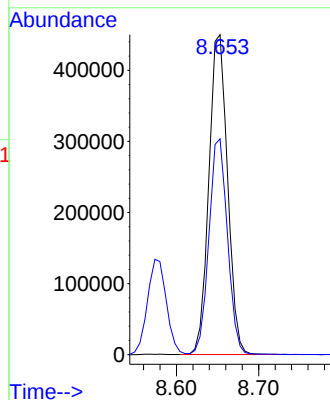
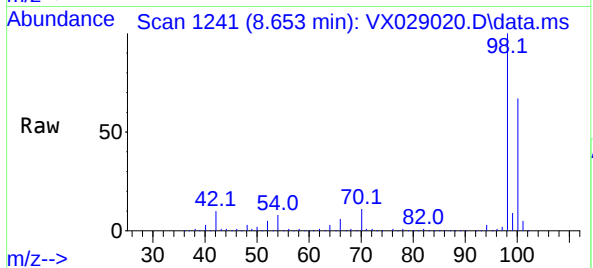
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Tgt Ion: 98 Resp: 710486

Ion Ratio Lower Upper

98 100

100 67.1 52.6 78.8



#51

4-Methyl-2-Pentanone

Concen: 175.999 ug/l

RT: 8.574 min Scan# 1228

Delta R.T. 0.001 min

Lab File: VX029020.D

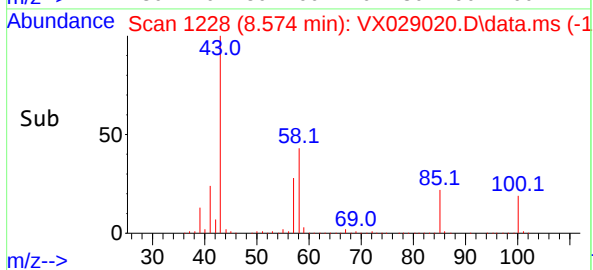
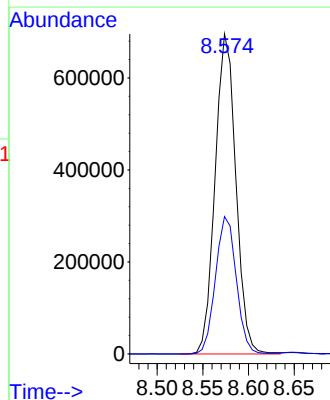
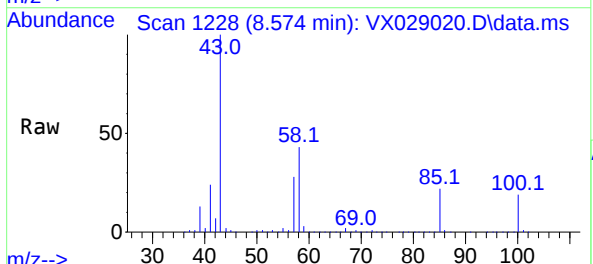
Acq: 27 May 2022 13:40

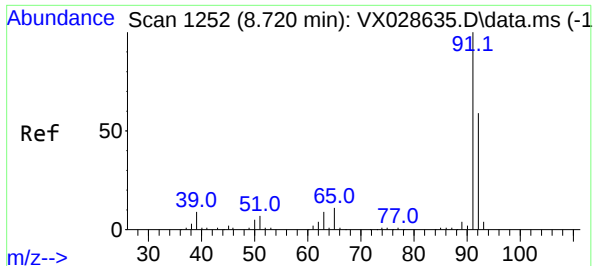
Tgt Ion: 43 Resp: 1099143

Ion Ratio Lower Upper

43 100

58 43.0 36.1 54.1

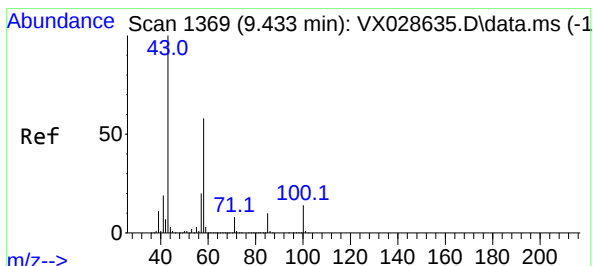
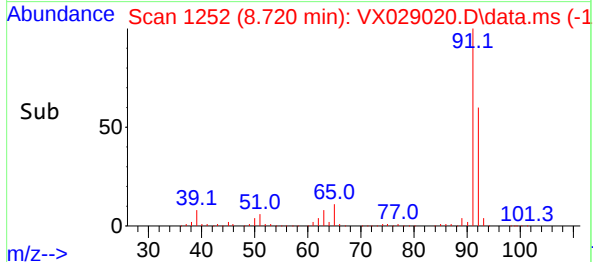
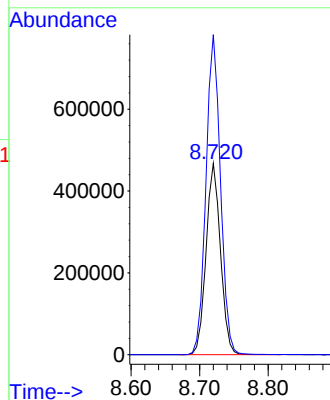
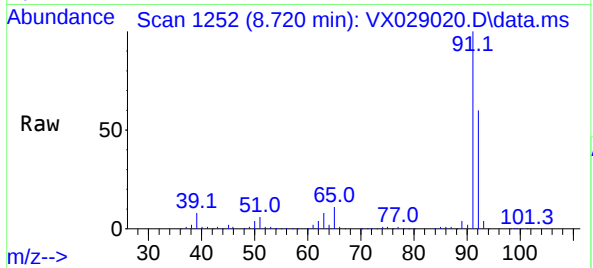




#52
Toluene
Concen: 63.857 ug/l
RT: 8.720 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

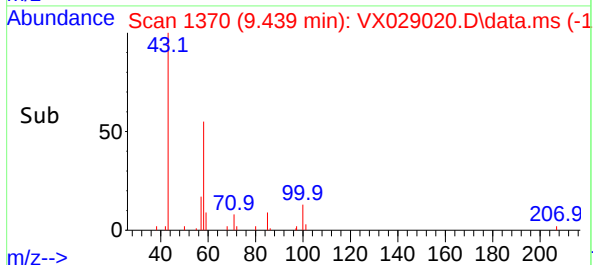
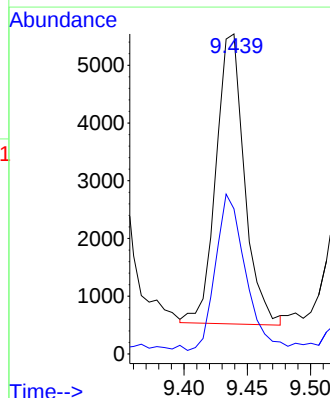
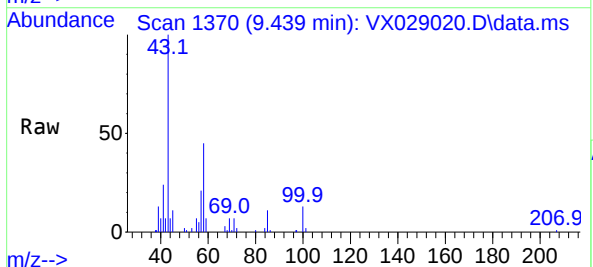
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

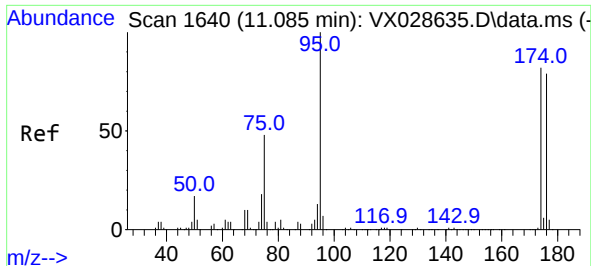
Tgt Ion: 92 Resp: 684997
Ion Ratio Lower Upper
92 100
91 168.3 137.5 206.3



#59
2-Hexanone
Concen: 1.622 ug/l
RT: 9.439 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 43 Resp: 7869
Ion Ratio Lower Upper
43 100
58 56.4 31.9 95.7

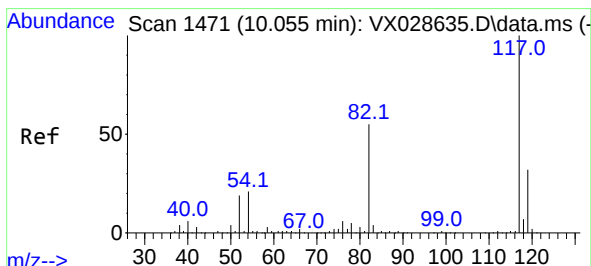
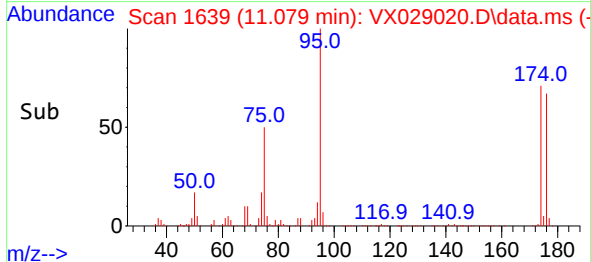
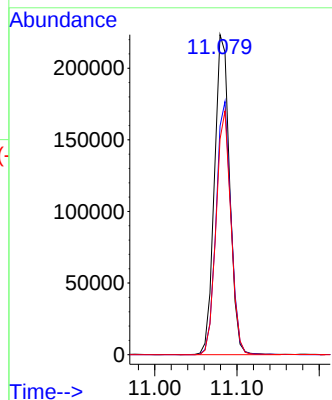
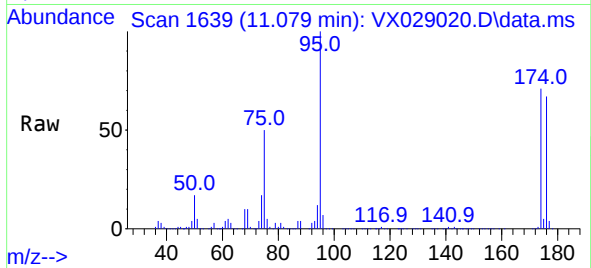




#62
4-Bromofluorobenzene
Concen: 52.664 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

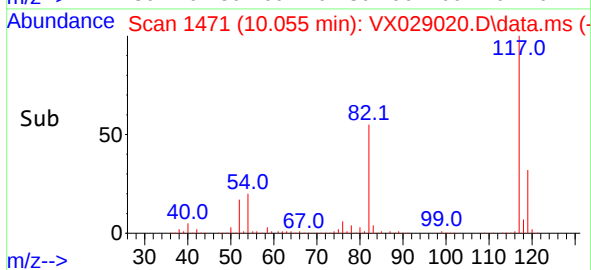
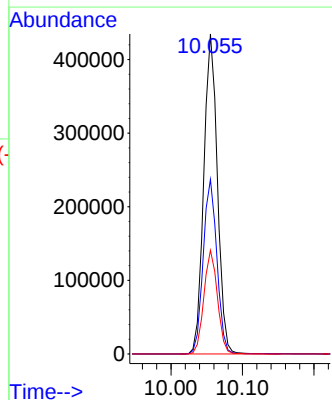
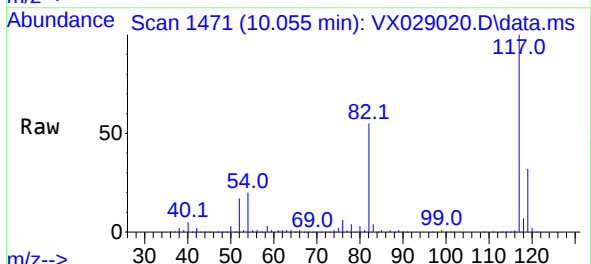
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

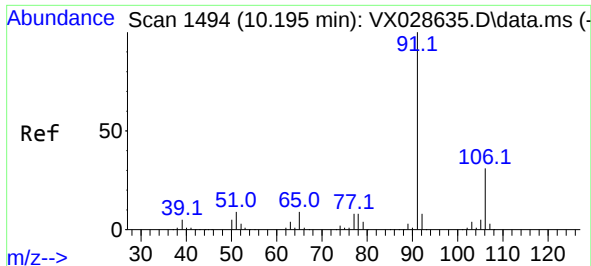
Tgt Ion: 95 Resp: 286494
Ion Ratio Lower Upper
95 100
174 77.3 0.0 163.0
176 74.4 0.0 155.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 117 Resp: 576222
Ion Ratio Lower Upper
117 100
82 54.6 41.8 62.8
119 32.4 24.8 37.2

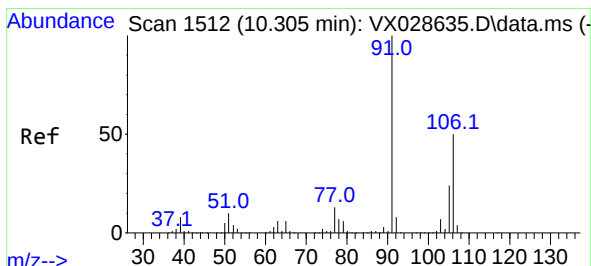
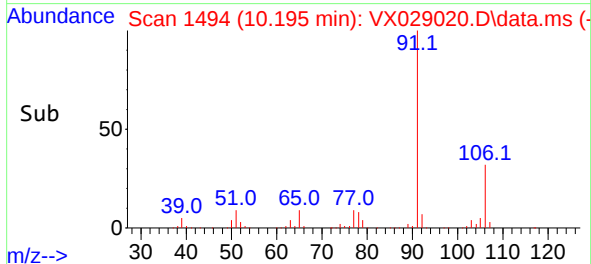
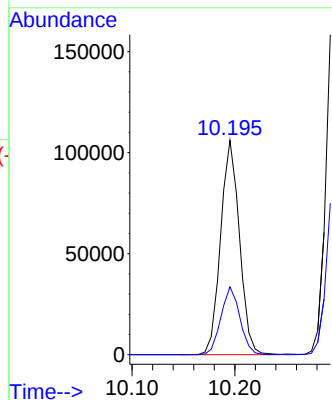
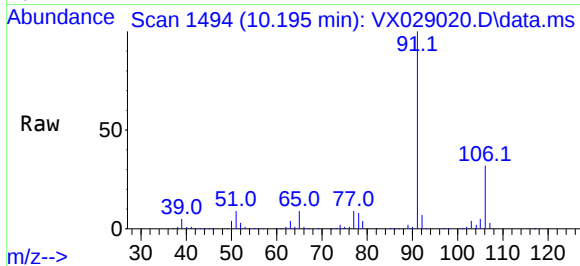




#67
Ethyl Benzene
Concen: 6.144 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

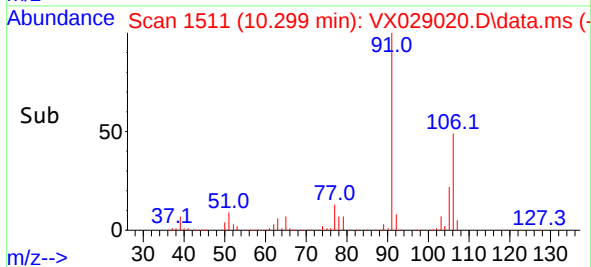
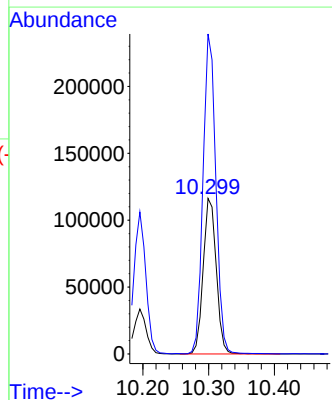
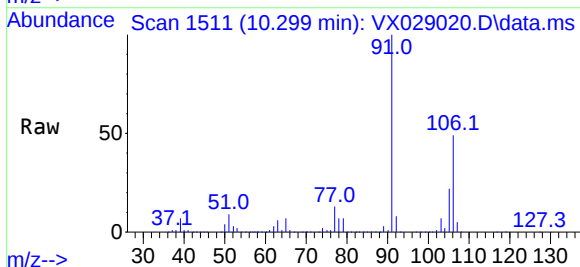
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

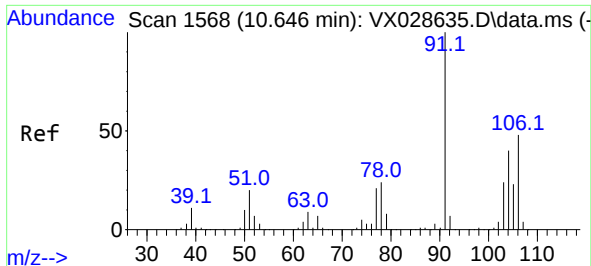
Tgt Ion: 91 Resp: 134627
Ion Ratio Lower Upper
91 100
106 31.6 24.6 36.8



#68
m/p-Xylenes
Concen: 18.827 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 106 Resp: 160600
Ion Ratio Lower Upper
106 100
91 201.7 160.4 240.6

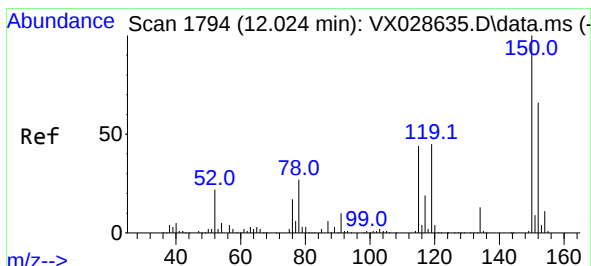
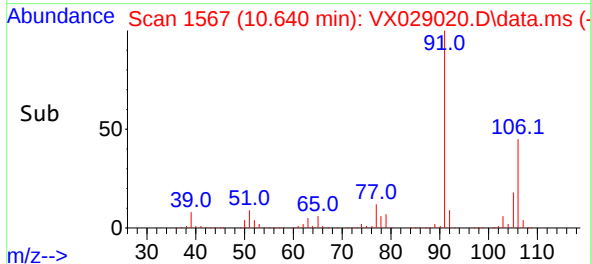
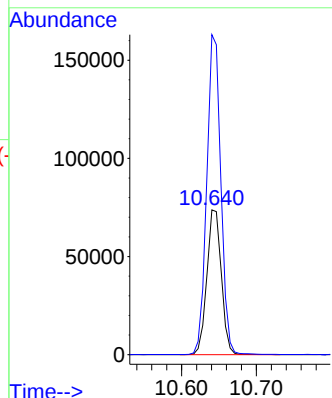
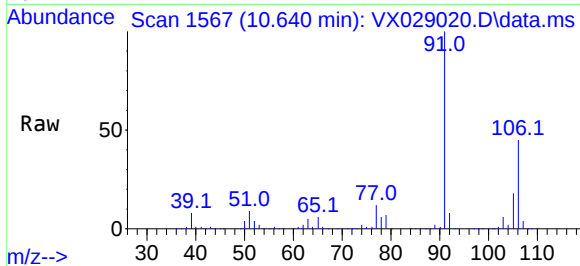




#69
o-Xylene
Concen: 11.801 ug/l
RT: 10.640 min Scan# 11
Delta R.T. -0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

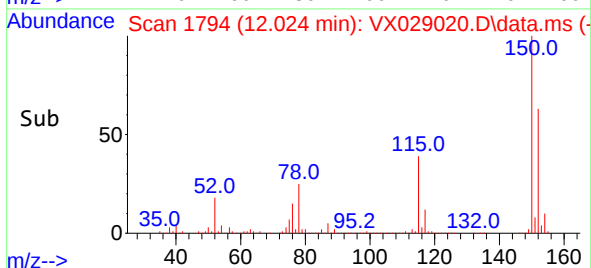
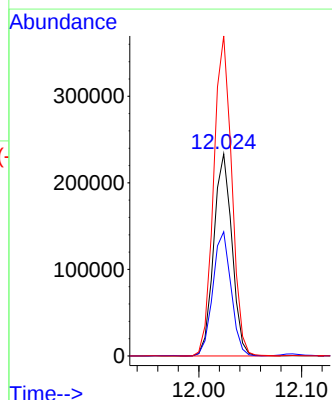
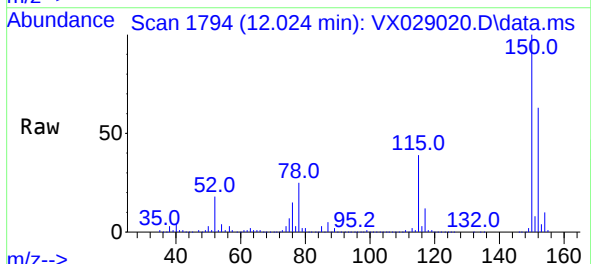
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

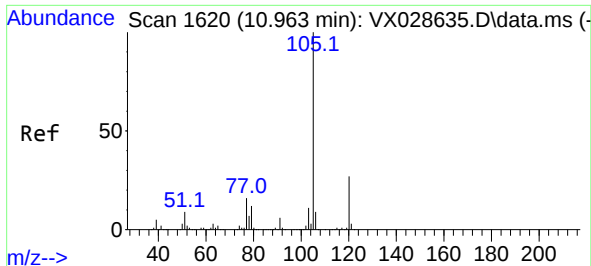
Tgt Ion:106 Resp: 99112
Ion Ratio Lower Upper
106 100
91 215.2 106.1 318.1



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion:152 Resp: 286718
Ion Ratio Lower Upper
152 100
115 61.3 37.5 112.7
150 157.7 0.0 338.2

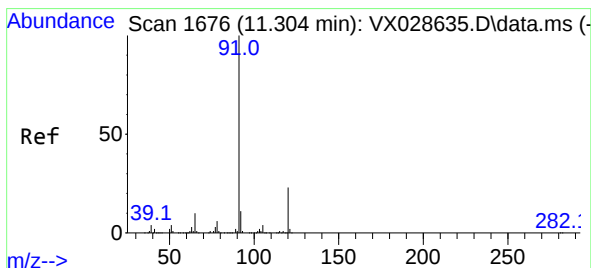
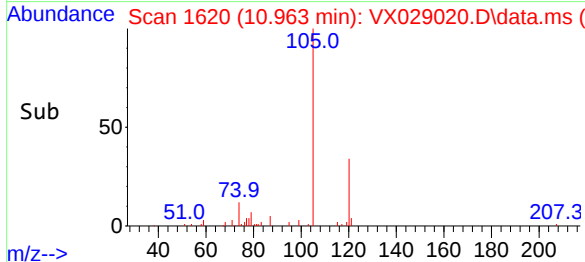
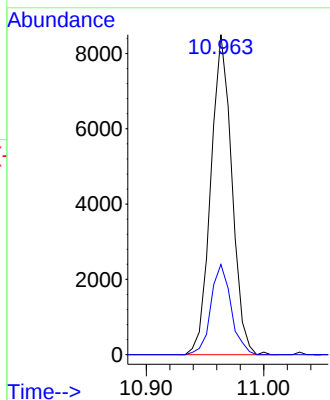
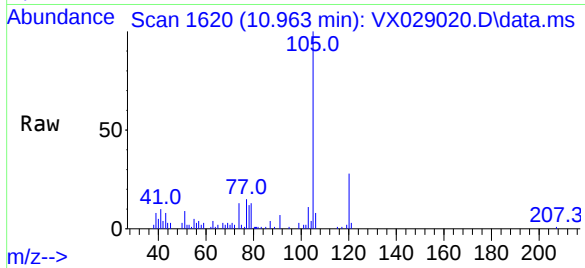




#73
Isopropylbenzene
Concen: 0.485 ug/l
RT: 10.963 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

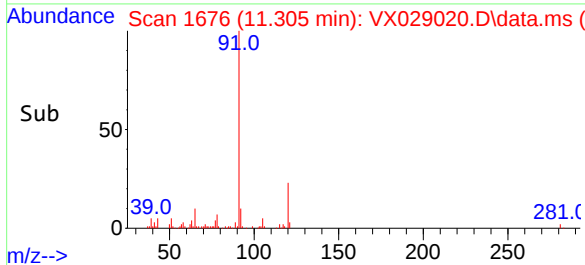
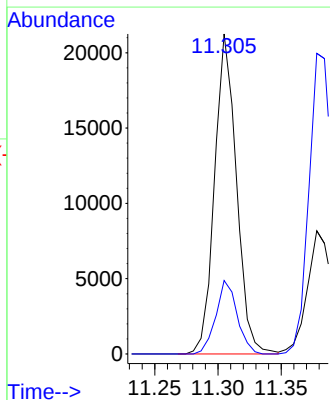
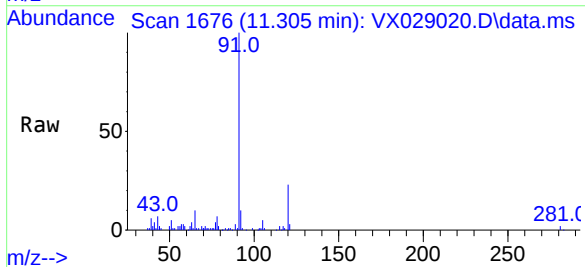
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

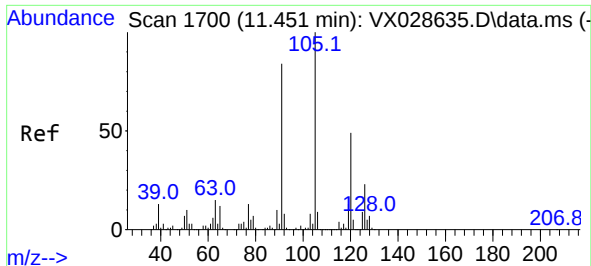
Tgt Ion:105 Resp: 10544
Ion Ratio Lower Upper
105 100
120 27.1 13.5 40.5



#78
n-propylbenzene
Concen: 1.015 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. 0.001 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion: 91 Resp: 25523
Ion Ratio Lower Upper
91 100
120 22.3 11.6 34.8

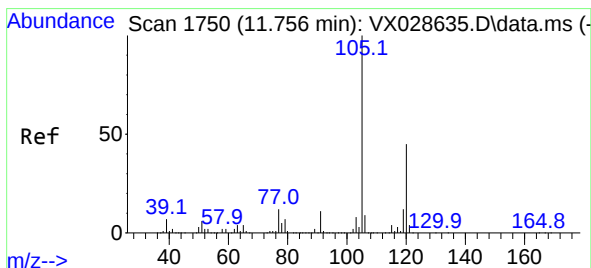
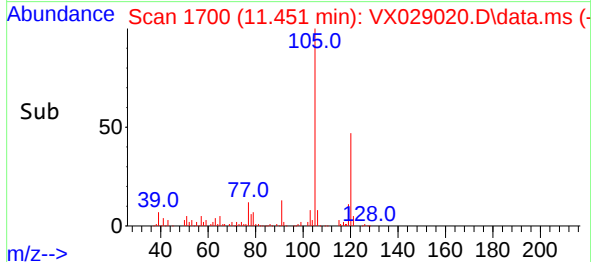
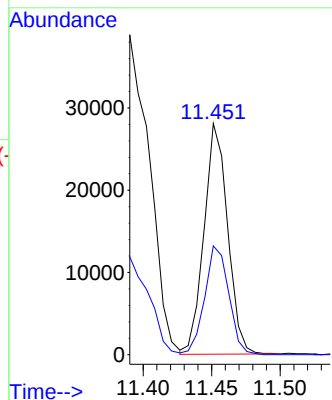
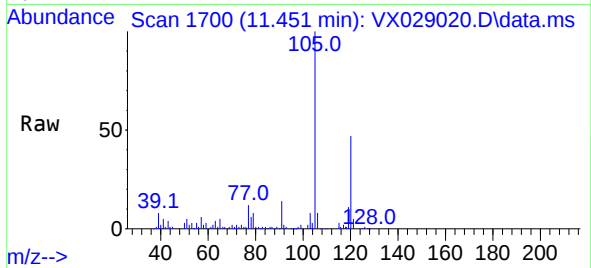




#80
1,3,5-Trimethylbenzene
Concen: 1.859 ug/l
RT: 11.451 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

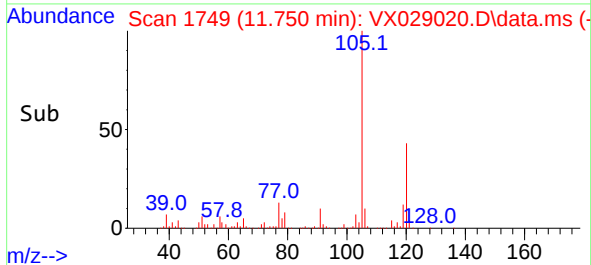
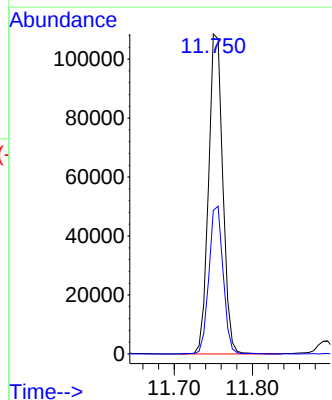
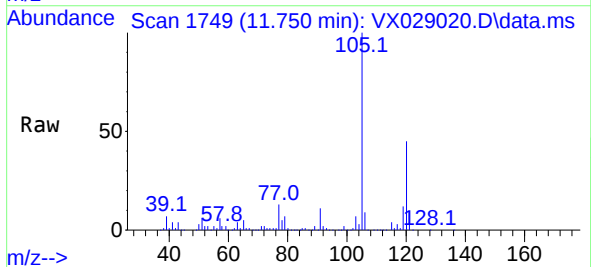
Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

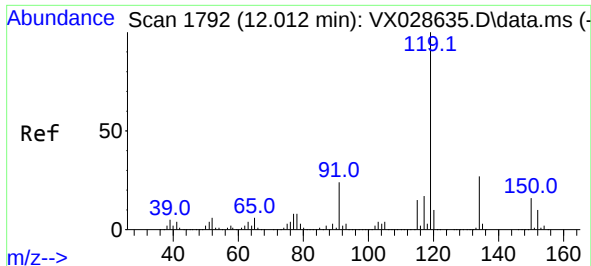
Tgt Ion:105 Resp: 33678
Ion Ratio Lower Upper
105 100
120 48.1 24.3 72.9



#84
1,2,4-Trimethylbenzene
Concen: 7.553 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.006 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion:105 Resp: 137221
Ion Ratio Lower Upper
105 100
120 45.9 22.6 67.8

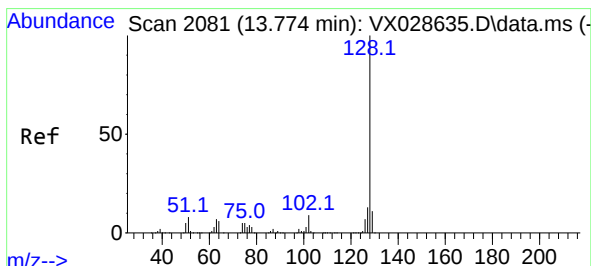
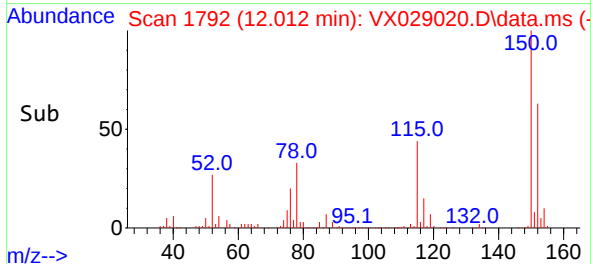
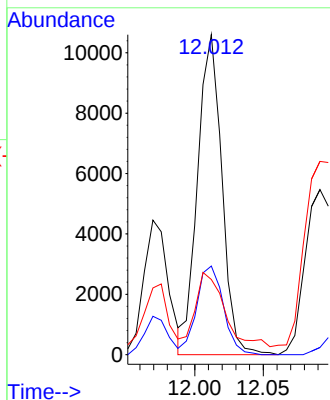
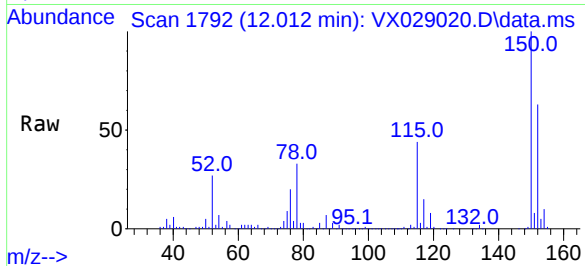




#86
p-Isopropyltoluene
Concen: 0.721 ug/l
RT: 12.012 min Scan# 119
Delta R.T. 0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Instrument :
MSVOA_X
ClientSampleId :
SUM-WATER-0526

Tgt Ion:119	Resp:	13099
Ion Ratio	Lower	Upper
119	100	
134	30.5	13.0 39.0
91	30.6	11.3 33.9



#95
Naphthalene
Concen: 4.493 ug/l
RT: 13.774 min Scan# 2081
Delta R.T. -0.000 min
Lab File: VX029020.D
Acq: 27 May 2022 13:40

Tgt Ion:128	Resp:	91548
Ion Ratio	Lower	Upper
128	100	
127	13.5	10.2 15.4
129	11.9	8.7 13.1

