

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX041422\
 Data File : VX028106.D
 Acq On : 14 Apr 2022 14:51
 Operator : JC/MD
 Sample : N2403-05
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-45

Quant Time: Apr 15 03:14:30 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X041222W.M
 Quant Title : Sw846 8260
 QLast Update : Tue Apr 12 22:07:23 2022
 Response via : Initial Calibration

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

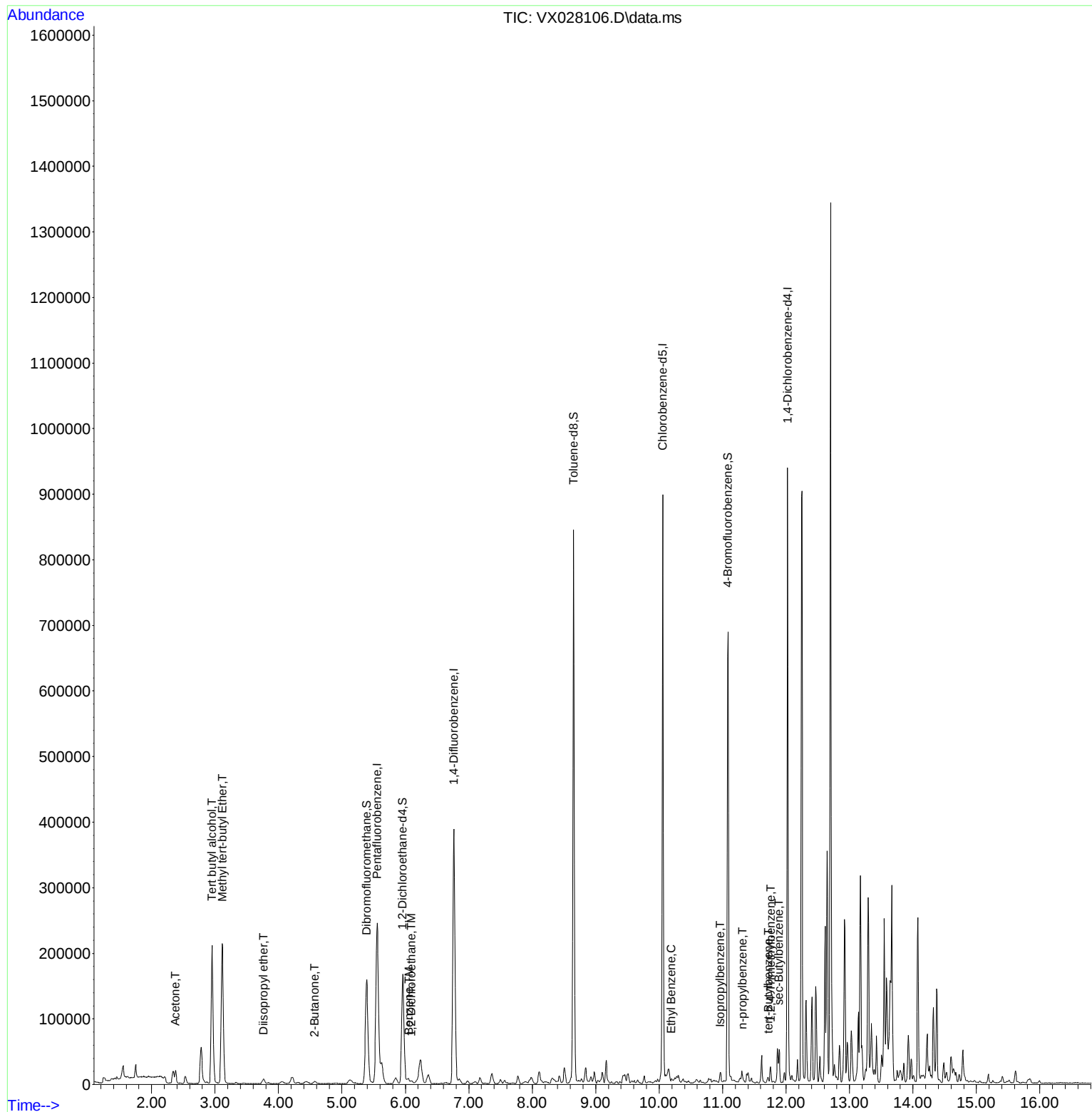
Internal Standards						
1) Pentafluorobenzene	5.556	168	236927	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	402941	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	376709	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	177580	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	151573	47.155	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery	=	94.320%	
35) Dibromofluoromethane	5.391	113	132411	50.149	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery	=	100.300%	
50) Toluene-d8	8.653	98	488688	49.626	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery	=	99.260%	
62) 4-Bromofluorobenzene	11.085	95	164844	44.834	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery	=	89.660%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	2.953	59	251446	337.003	ug/l	100
16) Acetone	2.380	43	19146	14.296	ug/l	94
19) Methyl tert-butyl Ether	3.117	73	236068	26.879	ug/l	97
22) Diisopropyl ether	3.763	45	7311	0.823	ug/l #	95
25) 2-Butanone	4.568	43	6132	2.649	ug/l	97
40) Benzene	6.056	78	8826	0.753	ug/l	92
42) 1,2-Dichloroethane	6.092	62	2199	0.497	ug/l #	15
67) Ethyl Benzene	10.195	91	3706	0.256	ug/l	95
73) Isopropylbenzene	10.963	105	7811	0.619	ug/l	98
78) n-propylbenzene	11.311	91	3991	0.272	ug/l	98
83) tert-Butylbenzene	11.719	119	3155	0.299	ug/l	82
84) 1,2,4-Trimethylbenzene	11.756	105	9990	0.936	ug/l	98
85) sec-Butylbenzene	11.890	105	24053	1.787	ug/l #	56

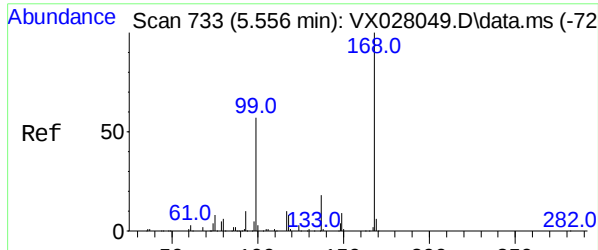
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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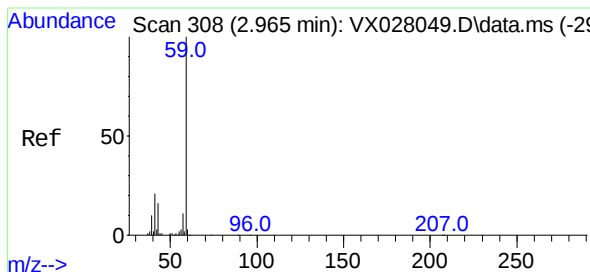
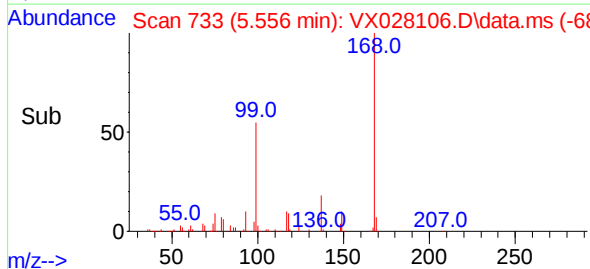
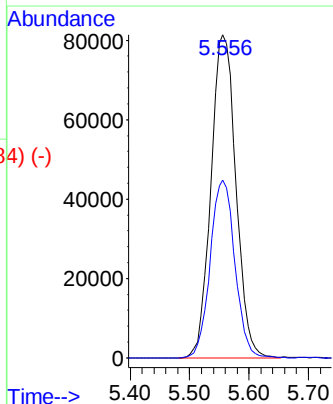
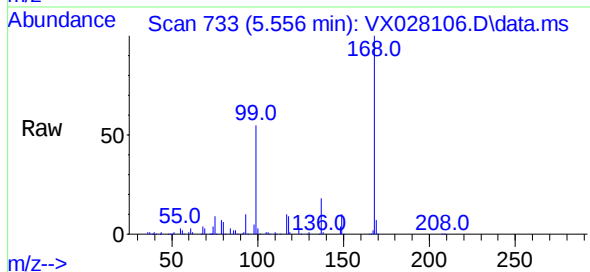




Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.556 min Scan#
 Delta R.T. -0.000 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

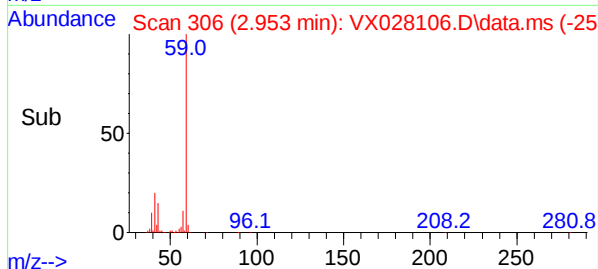
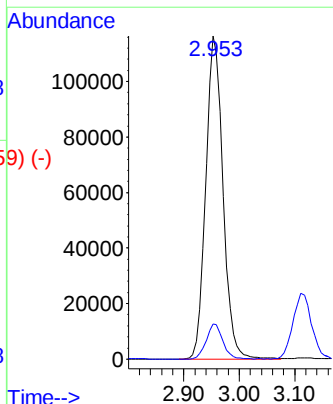
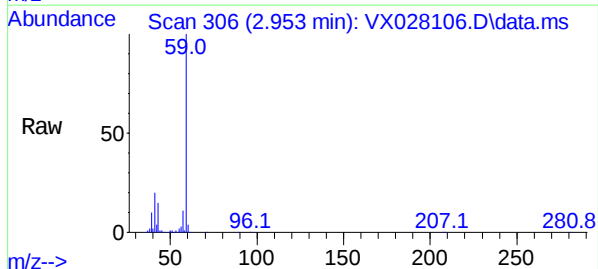
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-45

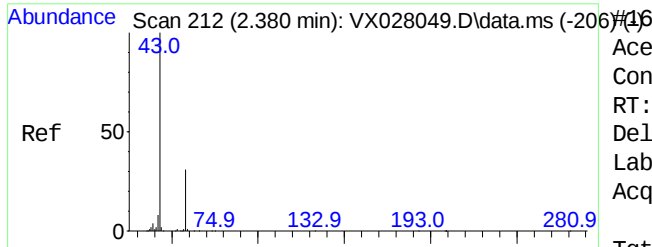
Tgt Ion:168 Resp: 236927
 Ion Ratio Lower Upper
 168 100
 99 55.1 41.7 62.5



Tert butyl alcohol
 Concen: 337.003 ug/l
 RT: 2.953 min Scan# 306
 Delta R.T. -0.012 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

Tgt Ion: 59 Resp: 251446
 Ion Ratio Lower Upper
 59 100
 57 10.5 8.3 12.5





Acetone

Concen: 14.296 ug/l

RT: 2.380 min Scan# 212

Delta R.T. -0.000 min

Lab File: VX028106.D

Acq: 14 Apr 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

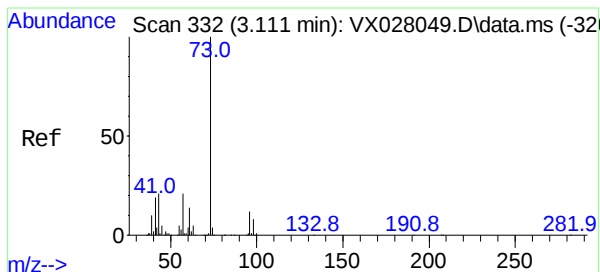
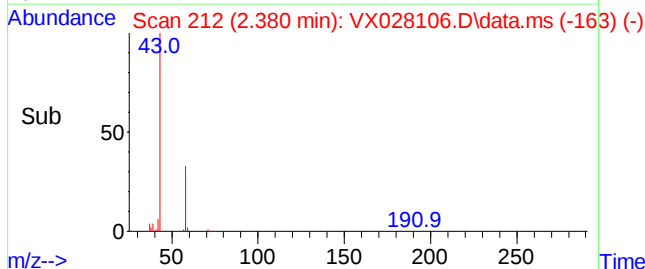
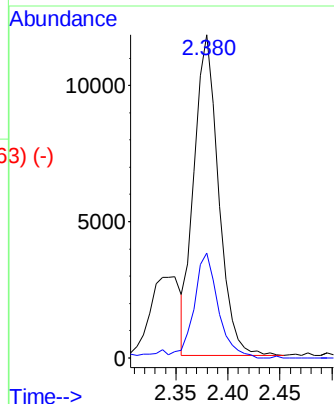
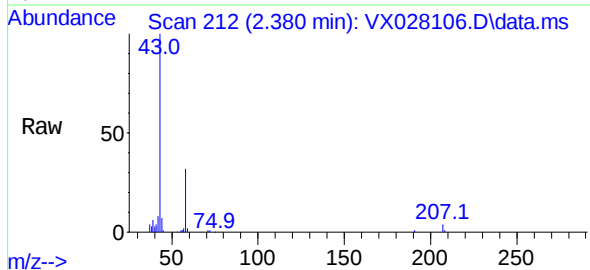
MW-45

Tgt Ion: 43 Resp: 19146

Ion Ratio Lower Upper

43 100

58 32.6 28.8 43.2



Methyl tert-butyl Ether

Concen: 26.879 ug/l

RT: 3.117 min Scan# 333

Delta R.T. 0.006 min

Lab File: VX028106.D

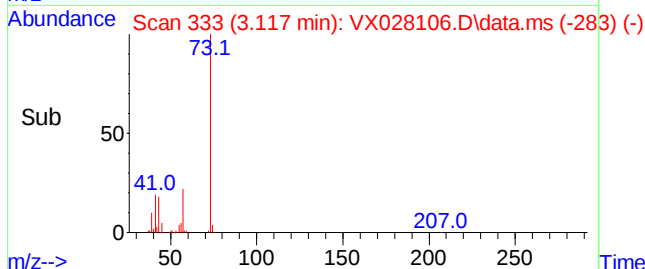
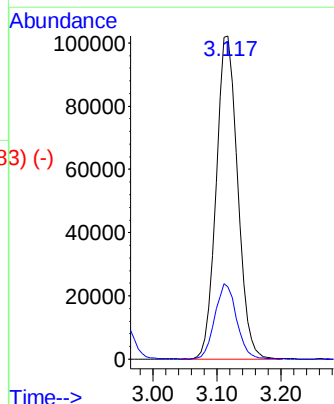
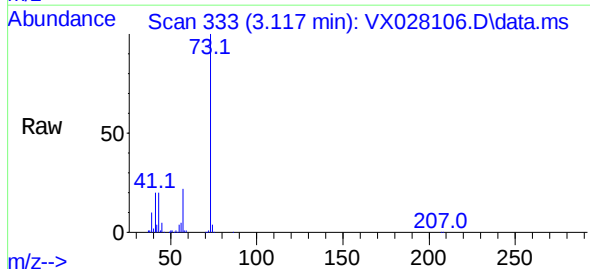
Acq: 14 Apr 2022 14:51

Tgt Ion: 73 Resp: 236068

Ion Ratio Lower Upper

73 100

57 22.4 16.8 25.2



Abundance Scan 439 (3.764 min): VX028049.D\data.ms (-424)#22

Diisopropyl ether

Concen: 0.823 ug/l

RT: 3.763 min Scan# 4

Delta R.T. -0.001 min

Lab File: VX028106.D

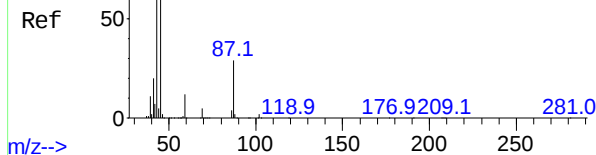
Acq: 14 Apr 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-45



Tgt Ion: 45 Resp: 7311

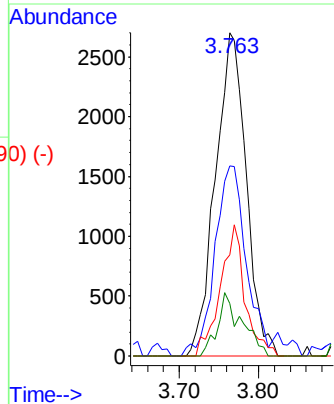
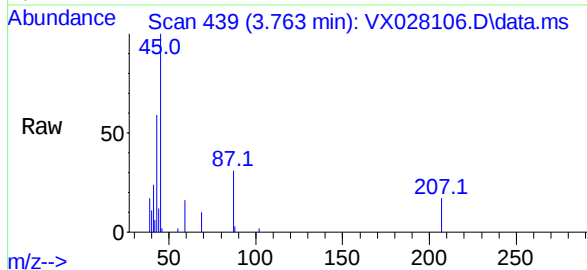
Ion Ratio Lower Upper

45 100

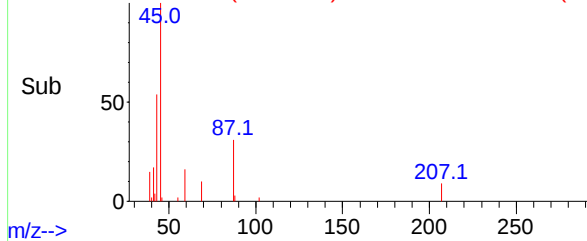
43 58.8 50.8 76.2

87 31.4 26.6 39.8

59 16.3 10.5 15.7#



Abundance Scan 439 (3.763 min): VX028106.D\data.ms (-390) (-)



Abundance Scan 569 (4.556 min): VX028049.D\data.ms (-559)#25

2-Butanone

Concen: 2.649 ug/l

RT: 4.568 min Scan# 571

Delta R.T. 0.012 min

Lab File: VX028106.D

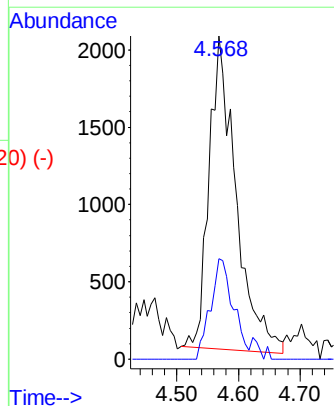
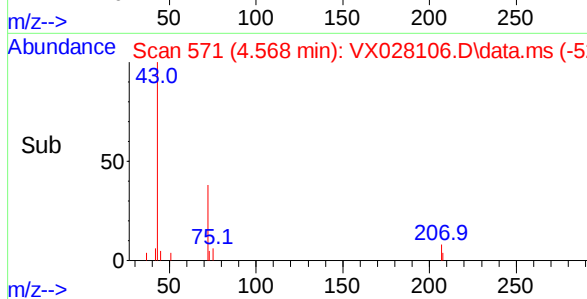
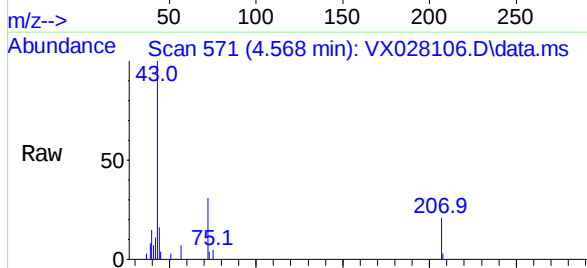
Acq: 14 Apr 2022 14:51

Tgt Ion: 43 Resp: 6132

Ion Ratio Lower Upper

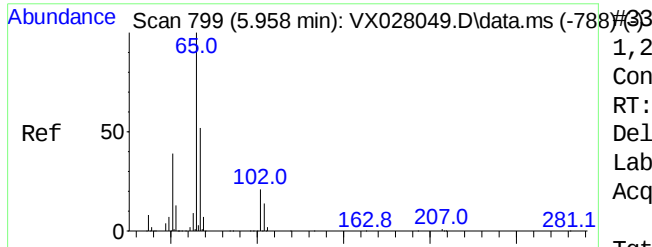
43 100

72 32.3 24.4 36.6



Abundance Scan 571 (4.568 min): VX028106.D\data.ms (-520) (-)

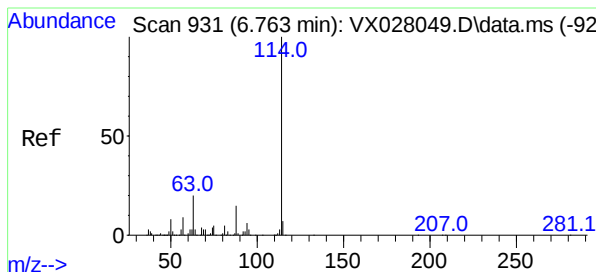
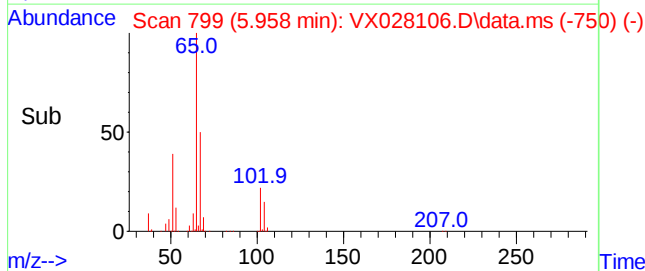
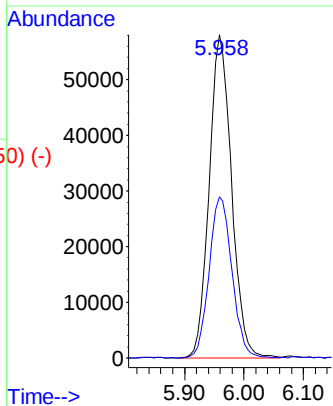
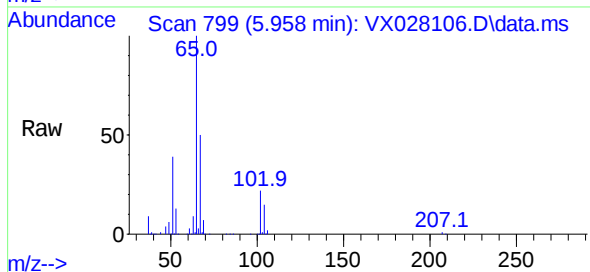




1,2-Dichloroethane-d4
 Concen: 47.155 ug/l
 RT: 5.958 min Scan#
 Delta R.T. 0.000 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

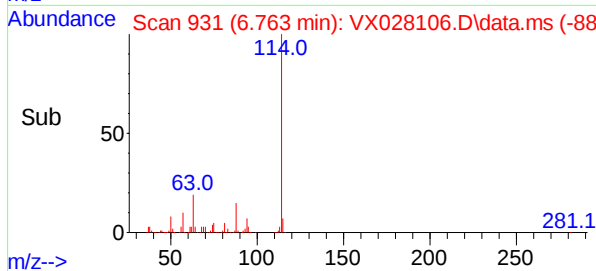
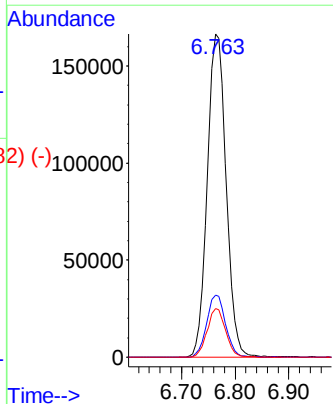
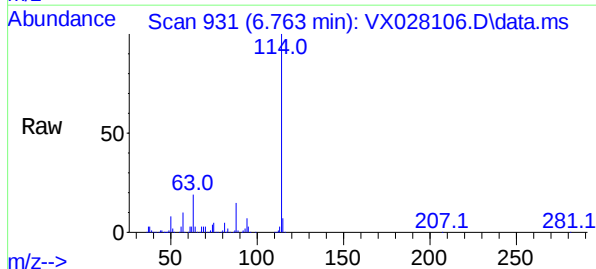
Instrument :
 MSVOA_X
 ClientSampleId :
 MW-45

Tgt Ion: 65 Resp: 151573
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 107.4



1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.763 min Scan# 931
 Delta R.T. -0.000 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

Tgt Ion:114 Resp: 402941
 Ion Ratio Lower Upper
 114 100
 63 19.2 0.0 36.8
 88 15.0 0.0 32.4



Abundance Scan 706 (5.391 min): VX028049.D\data.ms (-692) #35

Dibromofluoromethane

Concen: 50.149 ug/l

RT: 5.391 min Scan#

Delta R.T. 0.000 min

Lab File: VX028106.D

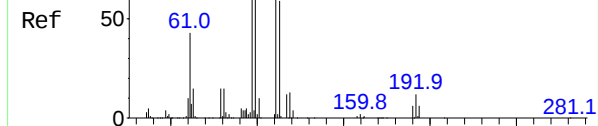
Acq: 14 Apr 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-45



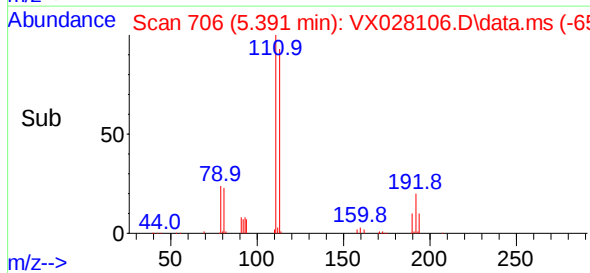
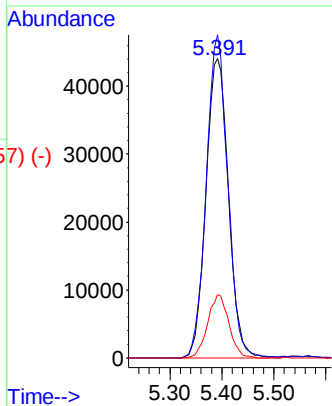
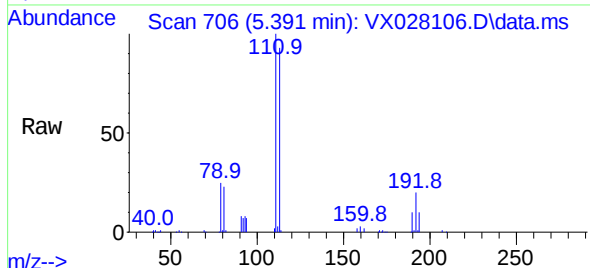
Tgt Ion:113 Resp: 132411

Ion Ratio Lower Upper

113 100

111 102.9 82.8 124.2

192 19.9 16.9 25.3



Abundance Scan 812 (6.037 min): VX028049.D\data.ms (-799) #40

Benzene

Concen: 0.753 ug/l

RT: 6.056 min Scan# 815

Delta R.T. 0.019 min

Lab File: VX028106.D

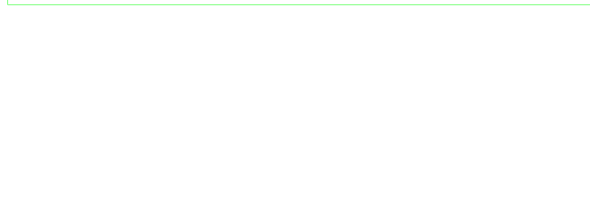
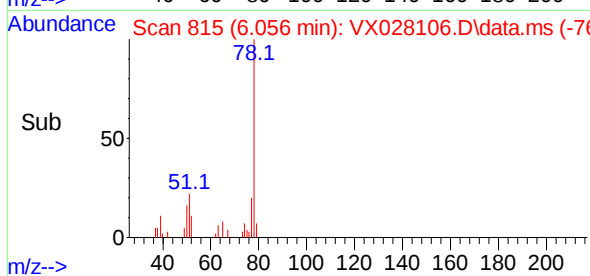
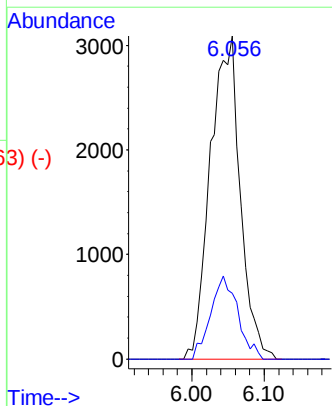
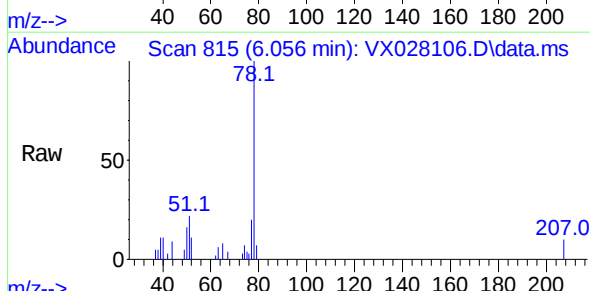
Acq: 14 Apr 2022 14:51

Tgt Ion: 78 Resp: 8826

Ion Ratio Lower Upper

78 100

77 20.3 19.3 28.9



Abundance Scan 821 (6.092 min): VX028049.D\data.ms (-804) #42

1,2-Dichloroethane

Concen: 0.497 ug/l

RT: 6.092 min Scan# 821

Delta R.T. 0.000 min

Lab File: VX028106.D

Acq: 14 Apr 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-45

Tgt Ion: 62 Resp: 2199

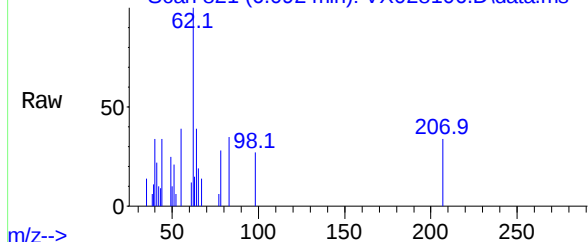
Ion Ratio Lower Upper

62 100

98 41.7 0.0 20.4#

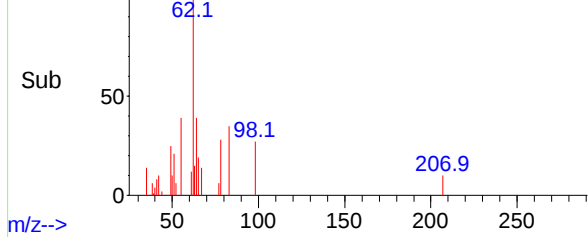
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Abundance Scan 821 (6.092 min): VX028106.D\data.ms

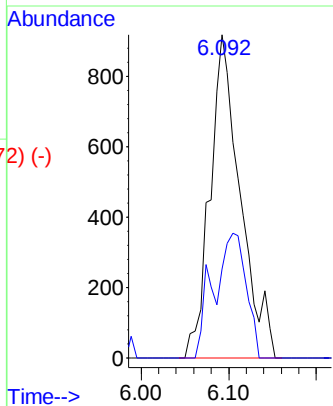


m/z-->

Abundance Scan 821 (6.092 min): VX028106.D\data.ms (-772) (-)



m/z-->



Abundance Scan 1241 (8.653 min): VX028049.D\data.ms (-1235) (-)

Toluene-d8

Concen: 49.626 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. -0.000 min

Lab File: VX028106.D

Acq: 14 Apr 2022 14:51

Tgt Ion: 98 Resp: 488688

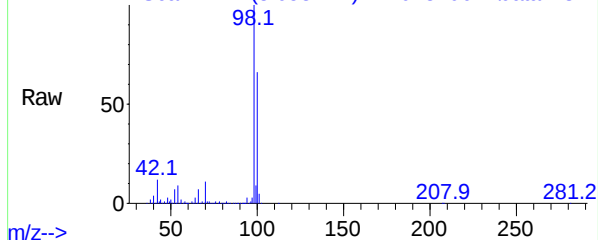
Ion Ratio Lower Upper

98 100

100 64.9 52.6 78.8

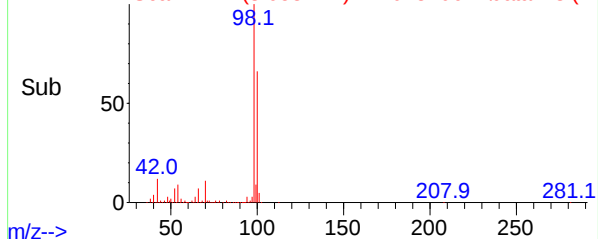
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Abundance Scan 1241 (8.653 min): VX028106.D\data.ms

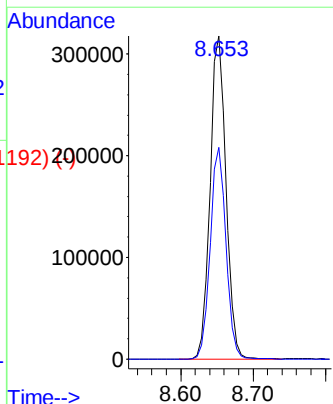


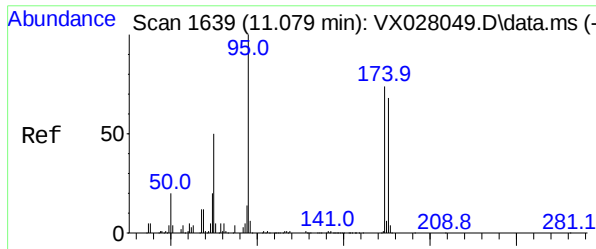
m/z-->

Abundance Scan 1241 (8.653 min): VX028106.D\data.ms (-1192) (-)



m/z-->

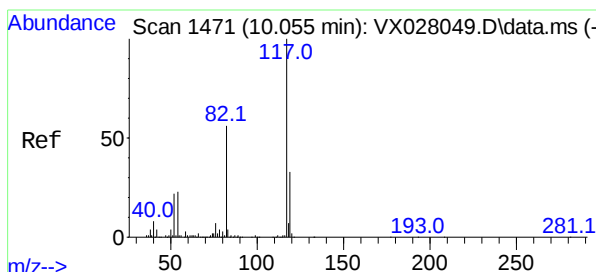
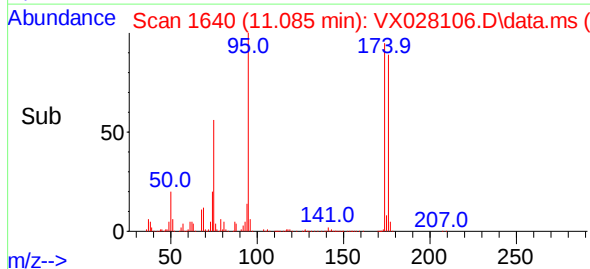
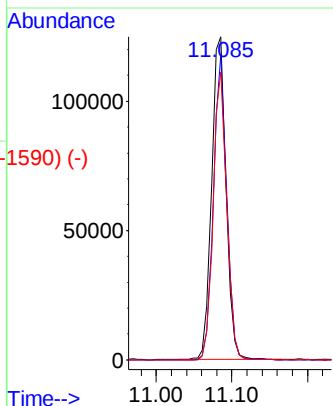
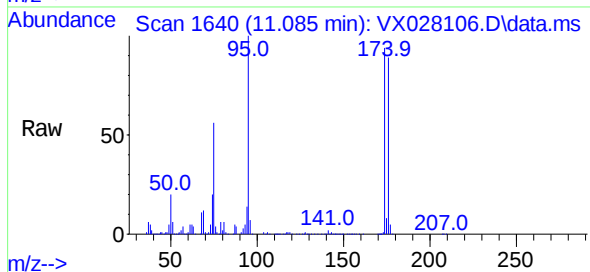




4-Bromofluorobenzene
 Concen: 44.834 ug/l
 RT: 11.085 min Scan# 1639
 Delta R.T. 0.006 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

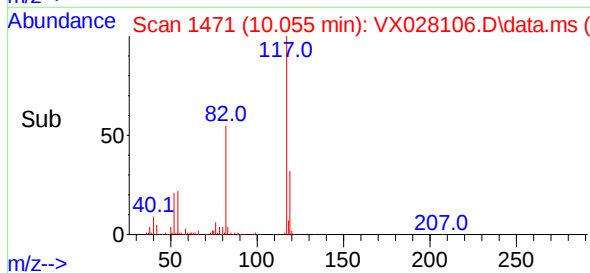
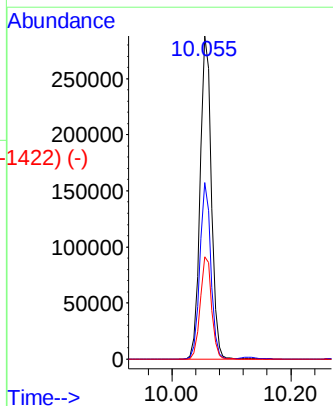
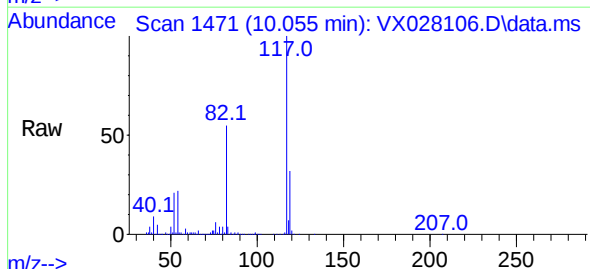
Instrument : MSVOA_X
 ClientSampleId : MW-45

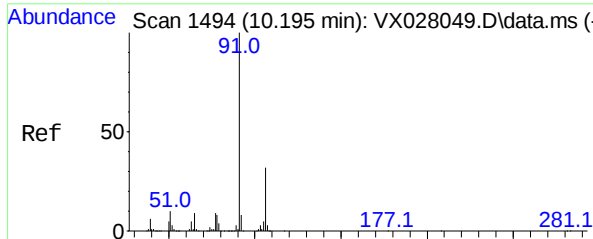
Tgt Ion:	95	Resp:	164844
Ion	Ratio	Lower	Upper
95	100		
174	87.3	0.0	163.0
176	84.3	0.0	155.0



Chlorobenzene-d5
 Concen: 50.000 ug/l
 RT: 10.055 min Scan# 1471
 Delta R.T. 0.000 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

Tgt Ion:	117	Resp:	376709
Ion	Ratio	Lower	Upper
117	100		
82	54.6	41.8	62.8
119	31.8	24.8	37.2

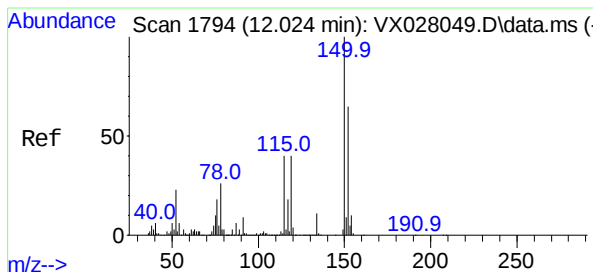
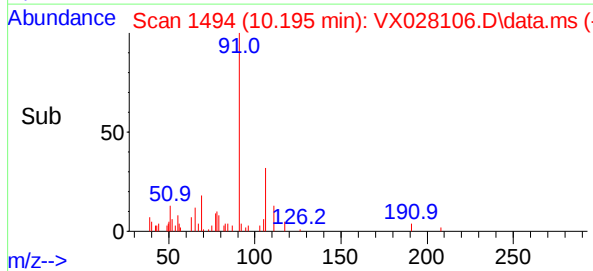
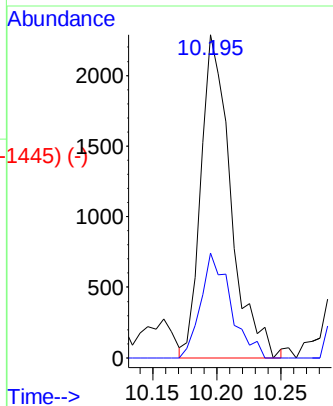
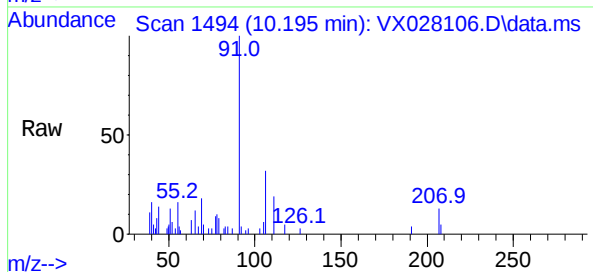




Ethyl Benzene
Concen: 0.256 ug/l
RT: 10.195 min Scan# 1494
Delta R.T. 0.000 min
Lab File: VX028106.D
Acq: 14 Apr 2022 14:51

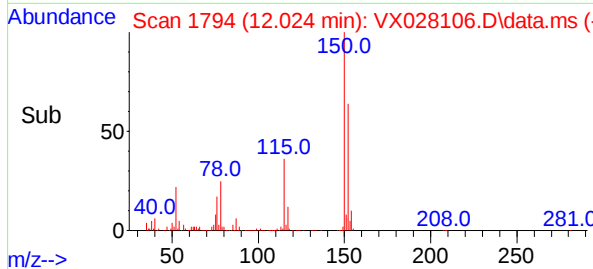
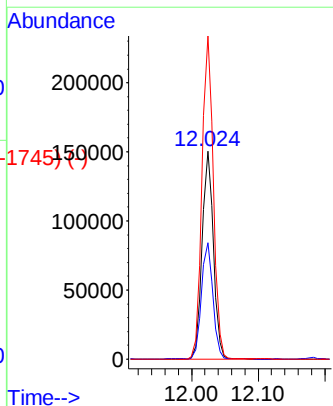
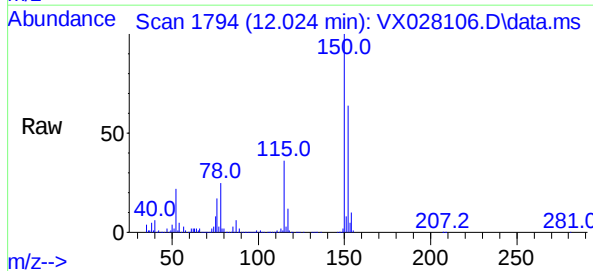
Instrument :
MSVOA_X
Client Sample Id :
MW-45

Tgt Ion: 91 Resp: 3706
Ion Ratio Lower Upper
91 100
106 33.4 24.6 36.8



1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX028106.D
Acq: 14 Apr 2022 14:51

Tgt Ion: 152 Resp: 177580
Ion Ratio Lower Upper
152 100
115 56.9 37.5 112.7
150 156.0 0.0 338.2



Abundance Scan 1620 (10.963 min): VX028049.D\data.ms (-1673) (-)

Isopropylbenzene

Concen: 0.619 ug/l

RT: 10.963 min Scan# 1673

Delta R.T. 0.000 min

Lab File: VX028106.D

Acq: 14 Apr 2022 14:51

Instrument :

MSVOA_X

ClientSampleId :

MW-45

Tgt Ion:105 Resp: 7811

Ion Ratio Lower Upper

105 100

120 26.0 13.5 40.5

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms

m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms

m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

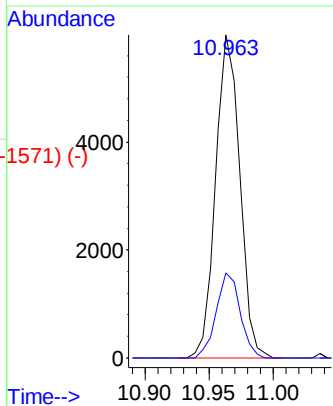
m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

m/z-->

Abundance Scan 1620 (10.963 min): VX028106.D\data.ms (-1571) (-)

m/z-->



Abundance Scan 1676 (11.305 min): VX028049.D\data.ms (-1673) (-)

n-propylbenzene

Concen: 0.272 ug/l

RT: 11.311 min Scan# 1677

Delta R.T. 0.006 min

Lab File: VX028106.D

Acq: 14 Apr 2022 14:51

Tgt Ion: 91 Resp: 3991

Ion Ratio Lower Upper

91 100

120 22.4 11.6 34.8

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

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m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

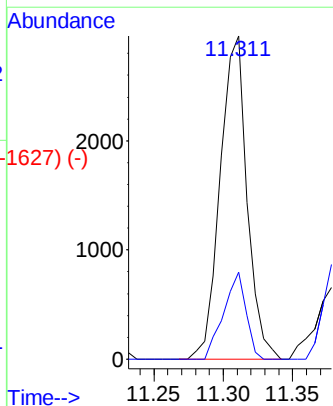
m/z-->

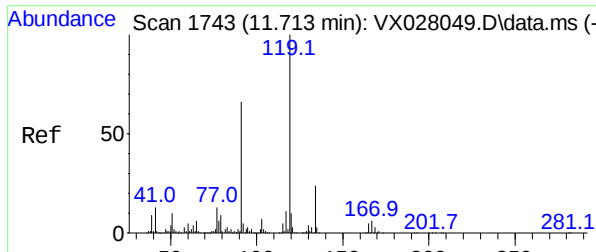
Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

Abundance Scan 1677 (11.311 min): VX028106.D\data.ms (-1627) (-)

m/z-->

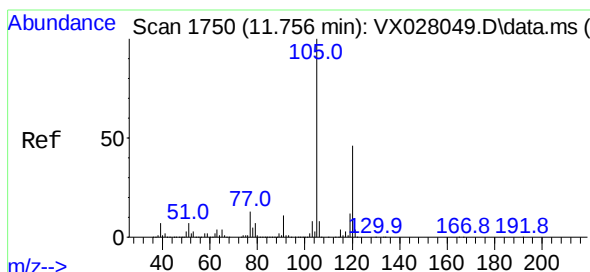
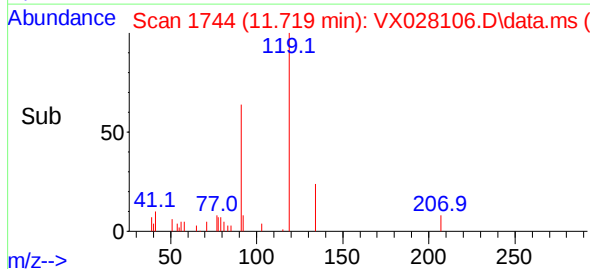
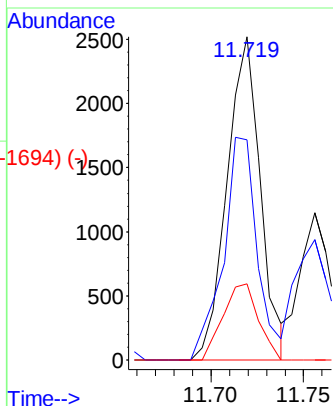
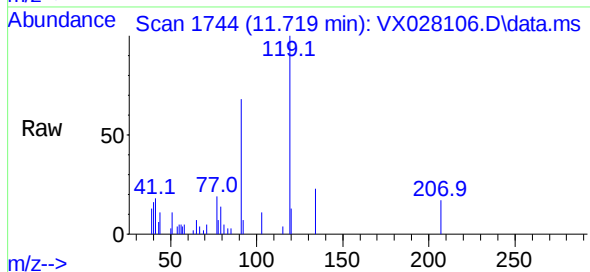




Scan 1743 (11.713 min): VX028049.D\data.ms (-1738)
 tert-Butylbenzene
 Concen: 0.299 ug/l
 RT: 11.719 min Scan# 1739
 Delta R.T. 0.006 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

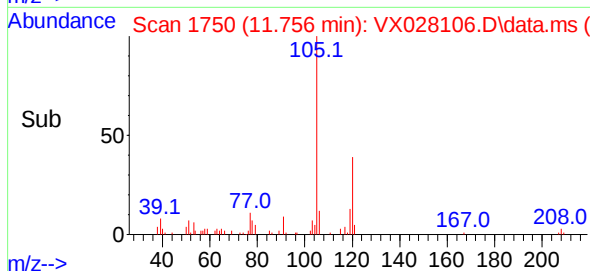
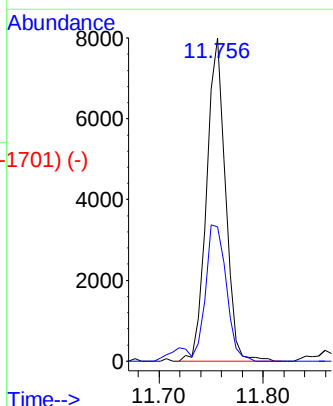
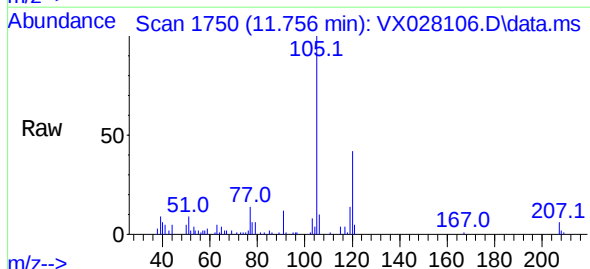
Instrument : MSVOA_X
 ClientSampleId : MW-45

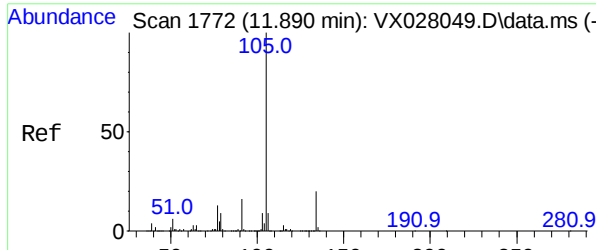
Tgt Ion:	119	Resp:	3155
Ion	Ratio	Lower	Upper
119	100		
91	70.2	26.9	80.6
134	24.9	11.4	34.2



Scan 1750 (11.756 min): VX028049.D\data.ms (-1738)
 1,2,4-Trimethylbenzene
 Concen: 0.936 ug/l
 RT: 11.756 min Scan# 1750
 Delta R.T. -0.000 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

Tgt Ion:	105	Resp:	9990
Ion	Ratio	Lower	Upper
105	100		
120	46.3	22.6	67.8





sec-Butylbenzene
 Concen: 1.787 ug/l
 RT: 11.890 min Scan# 1785
 Delta R.T. 0.000 min
 Lab File: VX028106.D
 Acq: 14 Apr 2022 14:51

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-45

Tgt Ion:105 Resp: 24053
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#

