

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX083120\
 Data File : VX018173.D
 Acq On : 01 Sep 2020 02:10
 Operator : JC/SP
 Sample : L3792-15
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 40 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40617

Manual Integrations
 APPROVED

MMDadoda
 9/1/2020 9:08:08 AM

Quant Time: Sep 01 07:37:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 21 03:03:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	479142	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	775156	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	747692	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	405057	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	332615	50.00	ug/l	0.00
Spiked Amount 50.000			Recovery	=	100.00%	
35) Dibromofluoromethane	5.47	113	259446	49.15	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.30%	
50) Toluene-d8	8.70	98	950329	48.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.66%	
62) 4-Bromofluorobenzene	11.12	95	382112	49.39	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.78%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.07	59	61040	47.196	ug/l	97
16) Acetone	2.46	43	3836942	1480.350	ug/l	97
18) Methyl Acetate	2.77	43	29360m	4.694	ug/l	
19) Methyl tert-butyl Ether	3.18	73	436052	27.154	ug/l	100
22) Diisopropyl ether	3.84	45	222927	13.426	ug/l #	88
25) 2-Butanone	4.66	43	682224	160.157	ug/l	97
29) Tetrahydrofuran	5.12	42	11697	4.314	ug/l #	49
37) Ethyl Acetate	4.81	43	7127639	858.350	ug/l	99
40) Benzene	6.12	78	13097775	623.455	ug/l	97
52) Toluene	8.77	92	12783652	959.635	ug/l #	72
67) Ethyl Benzene	10.24	91	1387405	54.633	ug/l	99
68) m/p-Xylenes	10.34	106	1971900	208.036	ug/l	98
69) o-Xylene	10.68	106	1157626	125.986	ug/l	97
73) Isopropylbenzene	11.00	105	39405	1.475	ug/l	94
78) n-propylbenzene	11.34	91	99412	3.277	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	201866	9.194	ug/l	99
82) 4-Chlorotoluene	11.49	91	22770	1.022	ug/l #	53
84) 1,2,4-Trimethylbenzene	11.79	105	1233810	54.965	ug/l	100
89) n-Butylbenzene	12.37	91	25638m	1.241	ug/l	
95) Naphthalene	13.82	128	2124206	79.302	ug/l	99

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

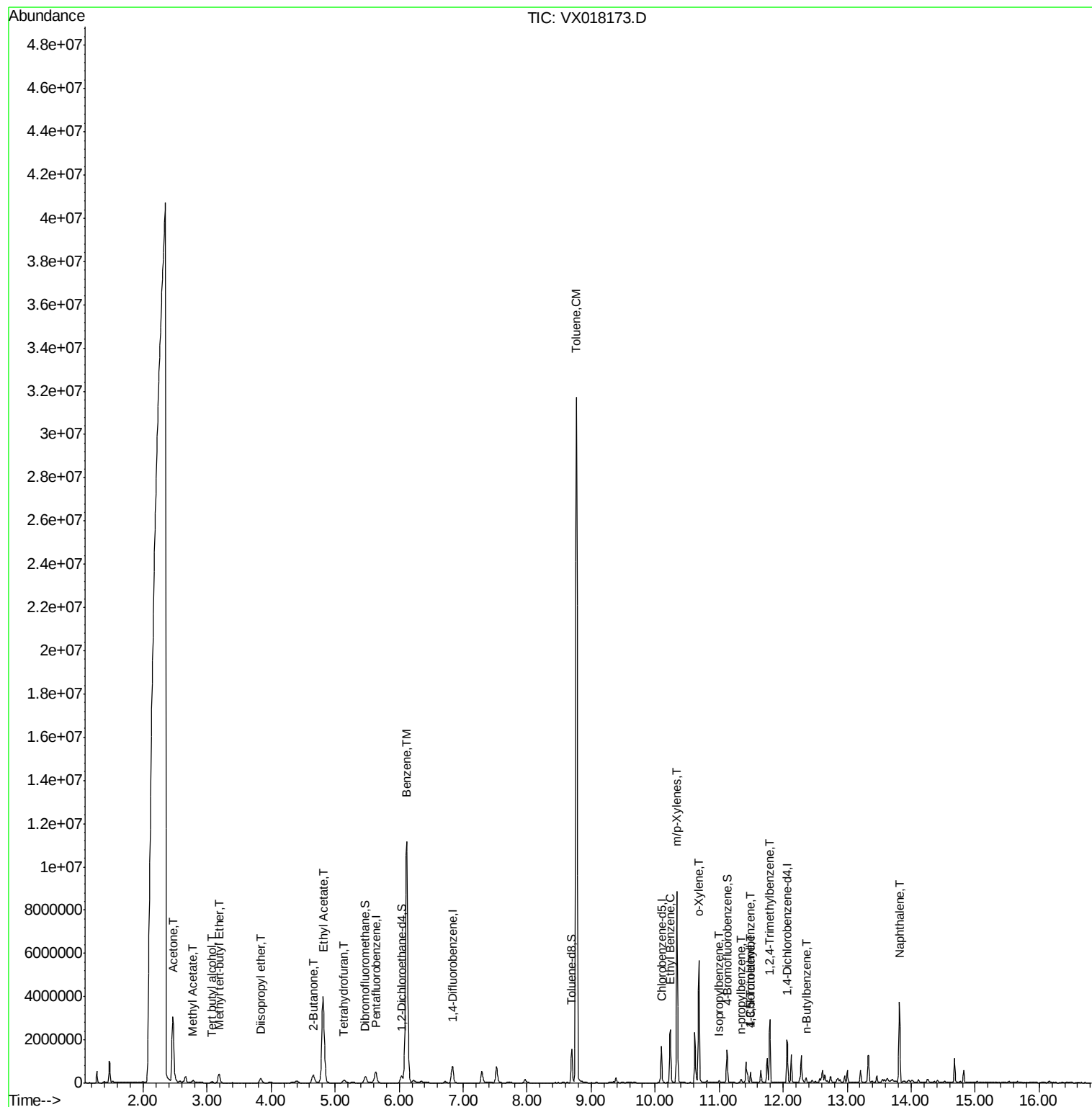
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX083120\
Data File : VX018173.D
Acq On : 01 Sep 2020 02:10
Operator : JC/SP
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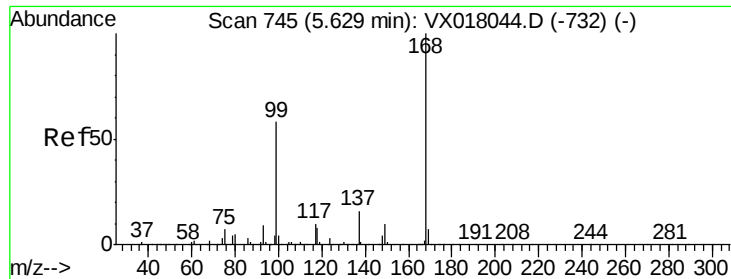
Instrument :
MSVOA_X
ClientSampleId :
40617

Manual Integrations
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9/1/2020 9:08:08 AM

Quant Time: Sep 01 07:37:28 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X082120W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 21 03:03:56 2020
Response via : Initial Calibration





#1

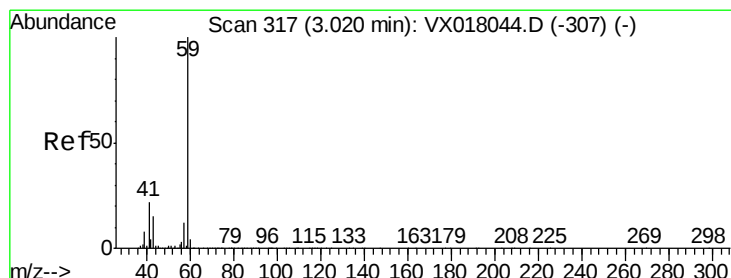
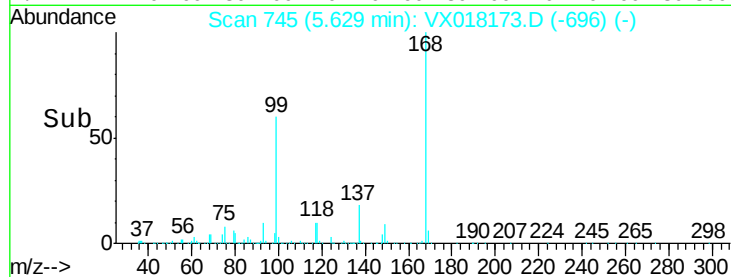
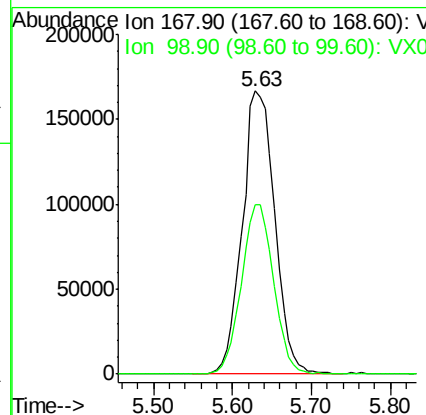
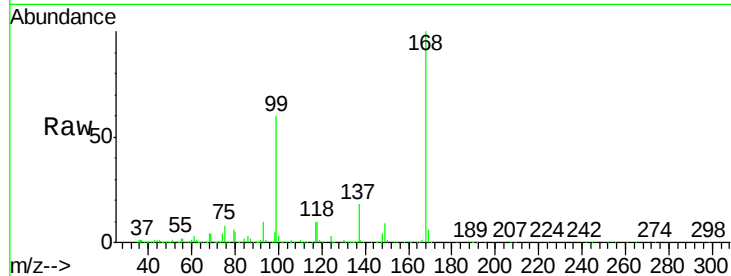
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.00 min
 Lab File: VX018173.D
 Acq: 01 Sep 2020 02:10

Instrument :
 MSVOA_X
 ClientSampleId :
 40617

Tot Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.3	69.5

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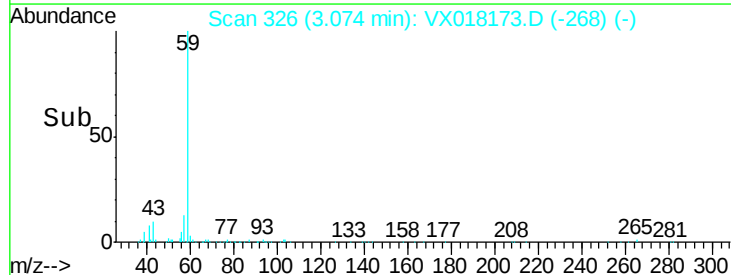
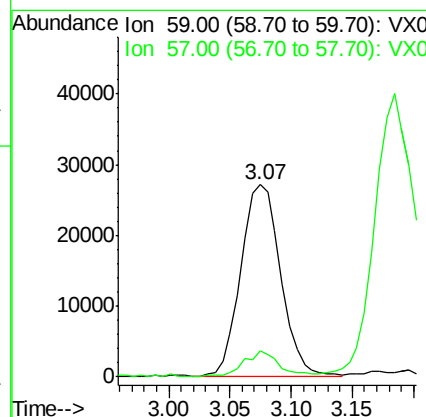
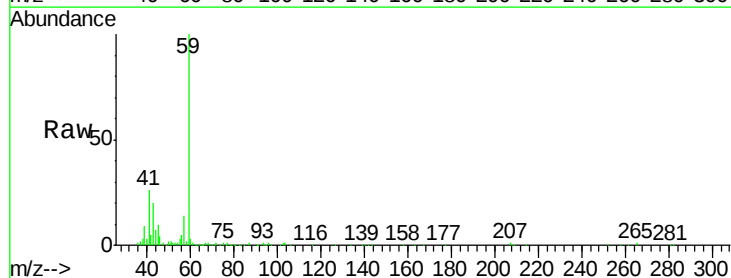
MMDadoda
 9/1/2020 9:08:08 AM

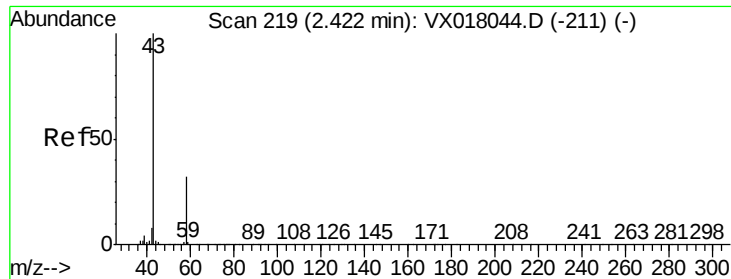


#11

Tert butyl alcohol
 Concen: 47.196 ug/l
 RT: 3.07 min Scan# 326
 Delta R.T. 0.05 min
 Lab File: VX018173.D
 Acq: 01 Sep 2020 02:10

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.3	8.9	13.3





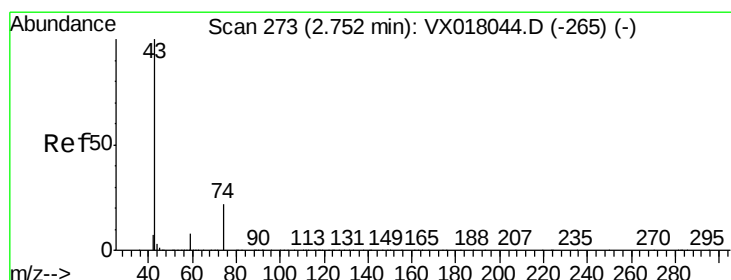
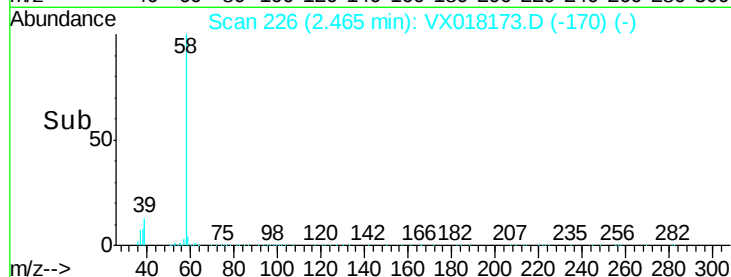
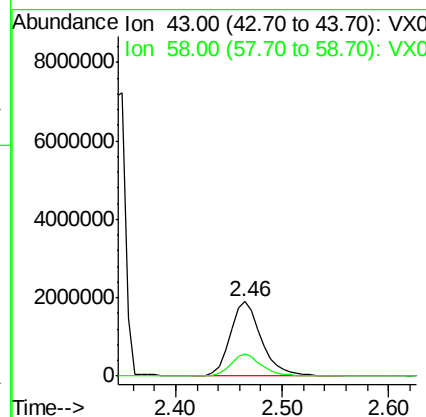
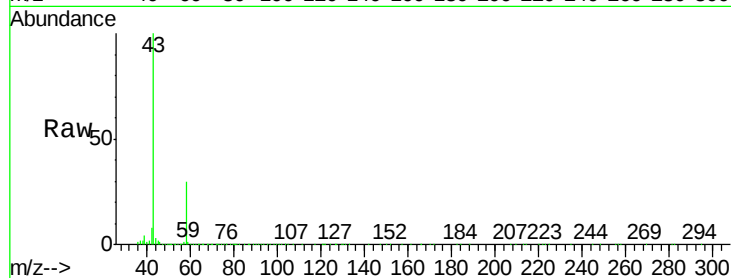
#16
Acetone
Concen: 1480.350 ug/l
RT: 2.46 min Scan# 226
Delta R.T. 0.04 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampleId :
40617

Tot Ion: 43 Resp: 3836942
Ion Ratio Lower Upper
43 100
58 30.5 25.5 38.3

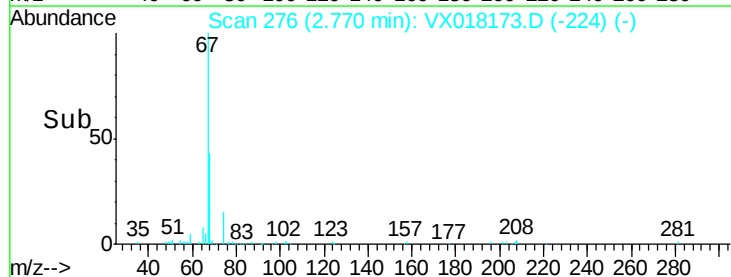
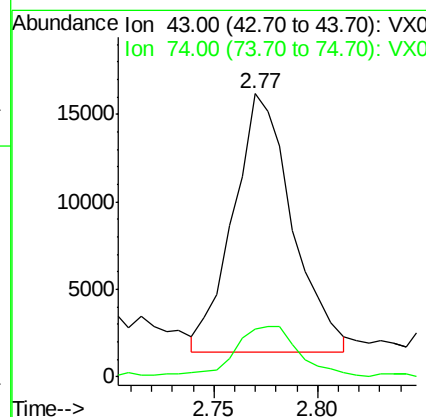
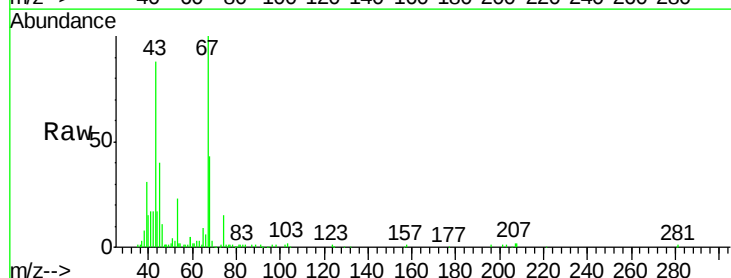
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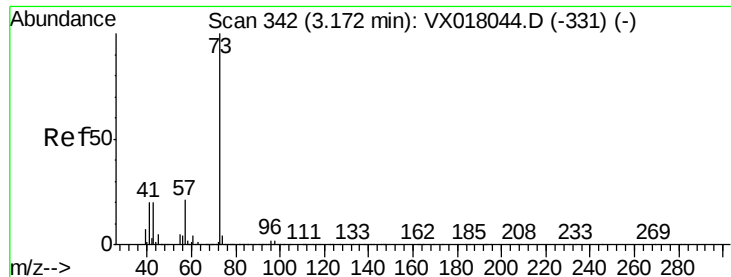
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#18
Methyl Acetate
Concen: 4.694 ug/l m
RT: 2.77 min Scan# 276
Delta R.T. 0.02 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion: 43 Resp: 29360
Ion Ratio Lower Upper
43 100
74 0.0 18.2 27.4#





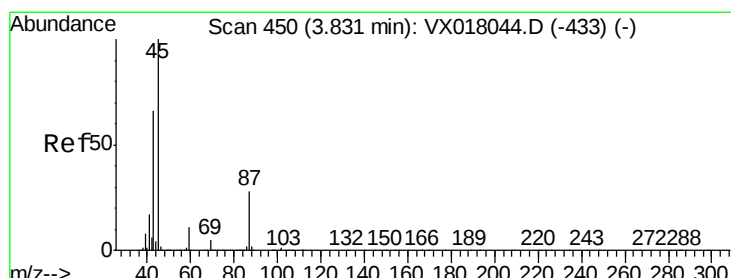
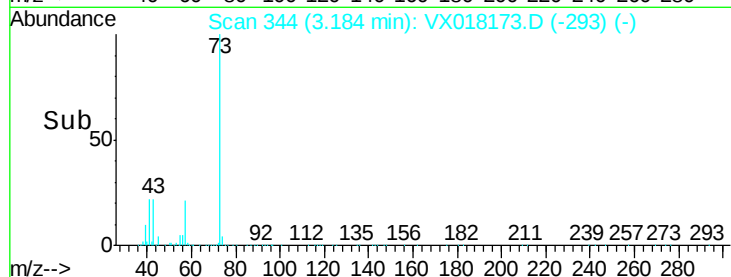
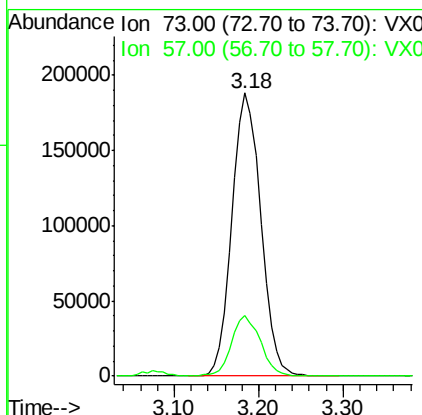
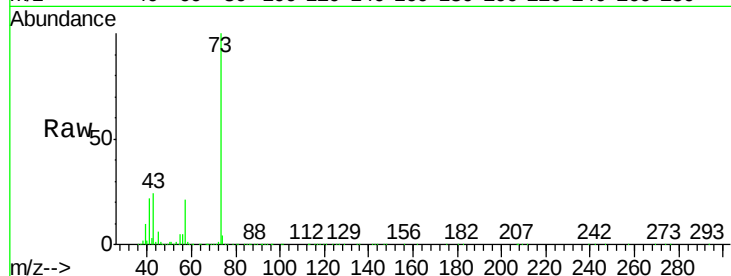
#19
Methvl tert-butvl Ether
Concen: 27.154 ug/l
RT: 3.18 min Scan# 344
Delta R.T. 0.01 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampleId :
40617

Tot Ion	Ratio	Lower	Upper
73	100		
57	21.2	16.8	25.2

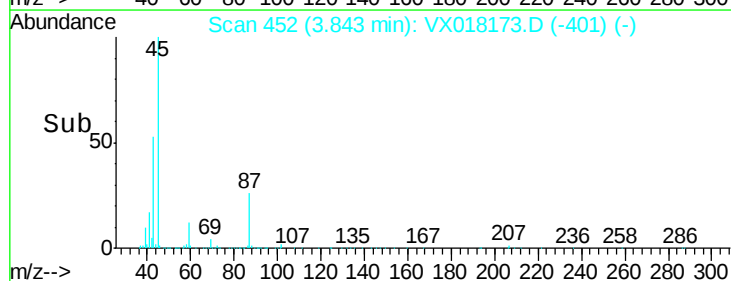
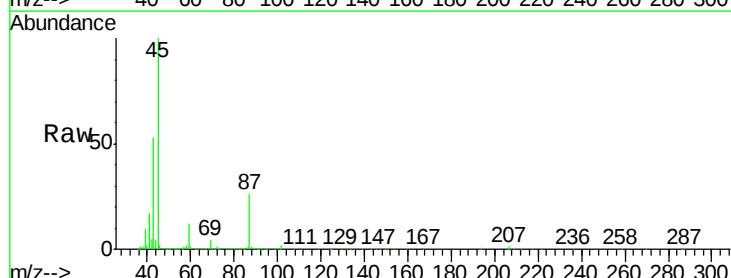
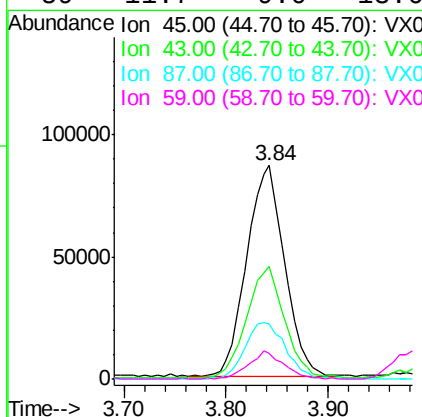
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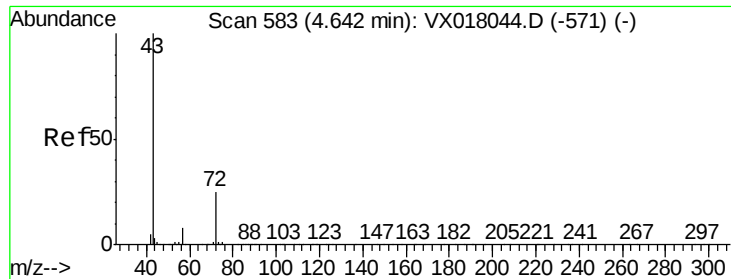
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#22
Diisopropyl ether
Concen: 13.426 ug/l
RT: 3.84 min Scan# 452
Delta R.T. 0.01 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion	Ratio	Lower	Upper
45	100		
43	52.7	52.8	79.2#
87	25.9	22.5	33.7
59	11.7	9.0	13.6





#25

2-Butanone

Concen: 160.157 ug/l

RT: 4.66 min Scan# 586

Delta R.T. 0.02 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Instrument :

MSVOA_X

ClientSampleId :

40617

Tot Ion: 43 Resp: 682224

Ion Ratio Lower Upper

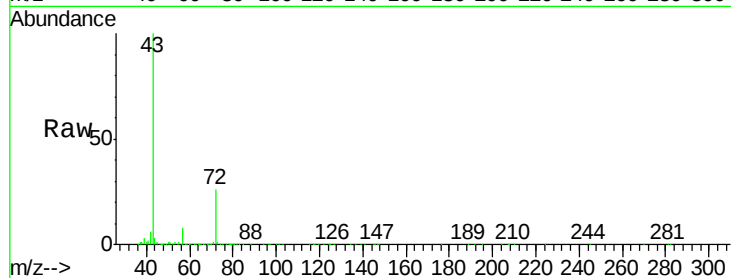
43 100

72 26.1 19.8 29.6

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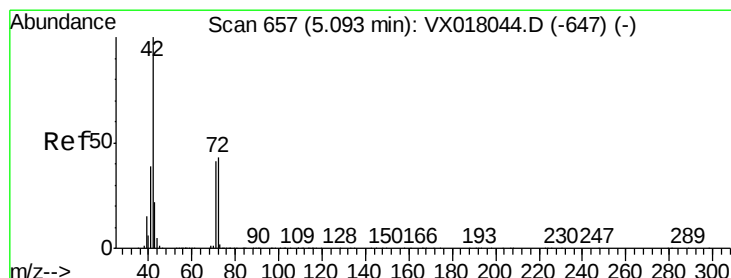
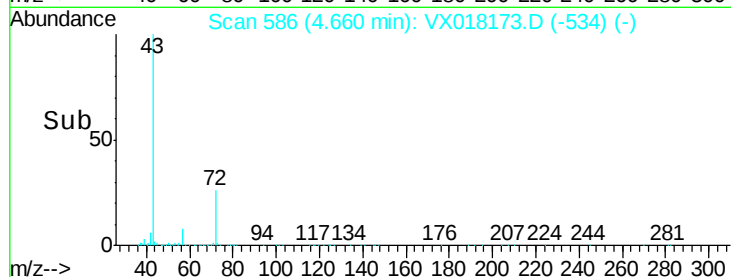
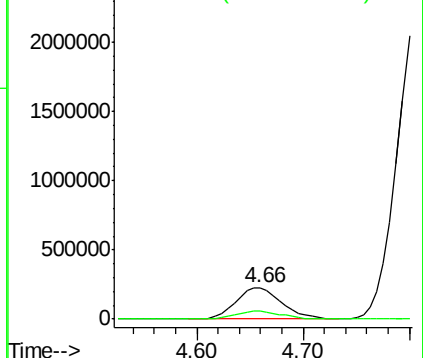
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 72.00 (71.70 to 72.70): VX0



#29

Tetrahydrofuran

Concen: 4.314 ug/l

RT: 5.12 min Scan# 662

Delta R.T. 0.03 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

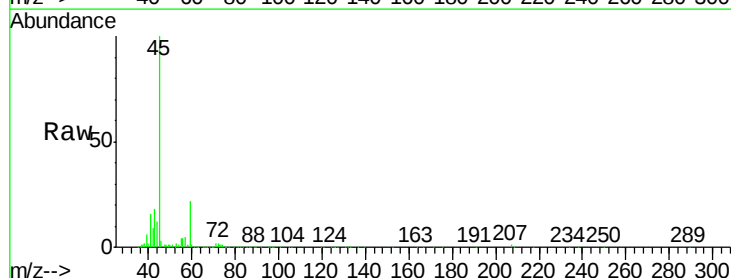
Tgt Ion: 42 Resp: 11697

Ion Ratio Lower Upper

42 100

72 0.0 34.2 51.4#

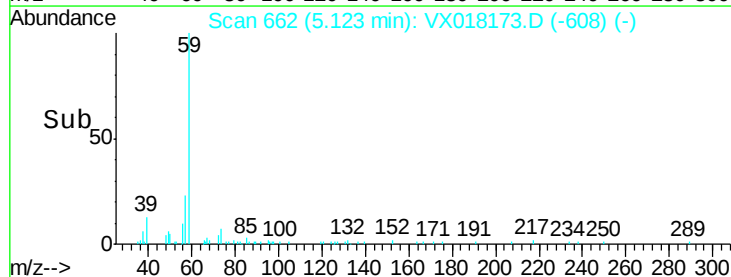
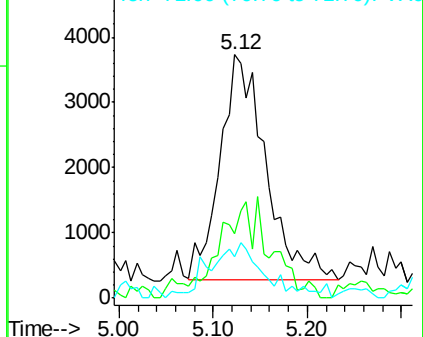
71 19.2 32.1 48.1#

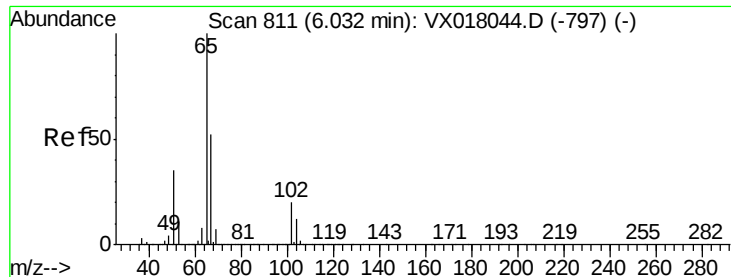


Abundance Ion 42.00 (41.70 to 42.70): VX0

Ion 72.00 (71.70 to 72.70): VX0

Ion 71.00 (70.70 to 71.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 50.004 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Instrument :

MSVOA_X

ClientSampled :

40617

Tot Ion: 65 Resp: 332615

Ion Ratio Lower Upper

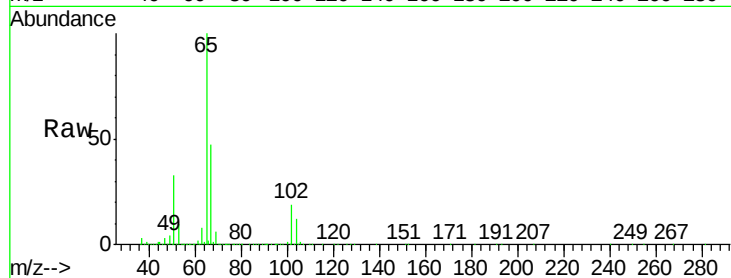
65 100

67 50.8 0.0 105.8

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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0

6.04

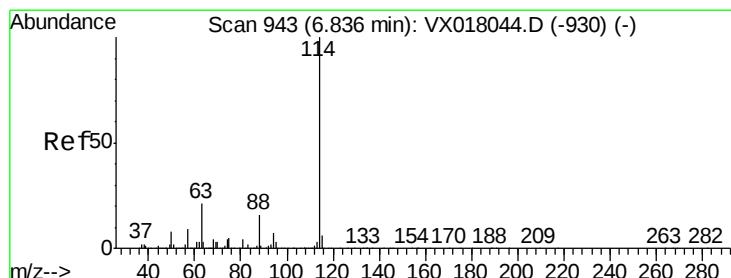
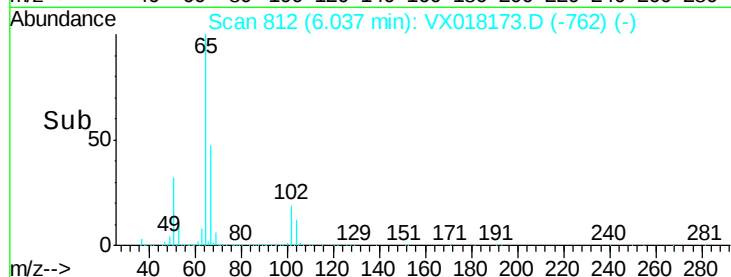
150000

100000

50000

0

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. -0.01 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

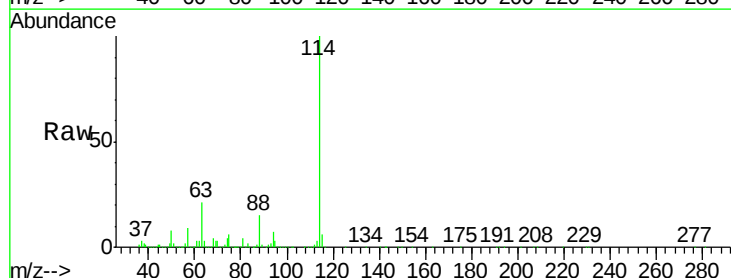
Tgt Ion: 114 Resp: 775156

Ion Ratio Lower Upper

114 100

63 21.0 0.0 42.6

88 15.0 0.0 31.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0

6.83

400000

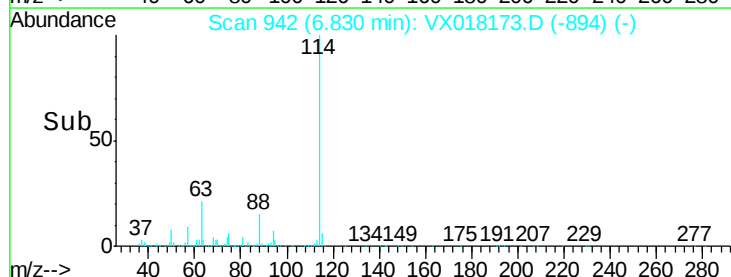
300000

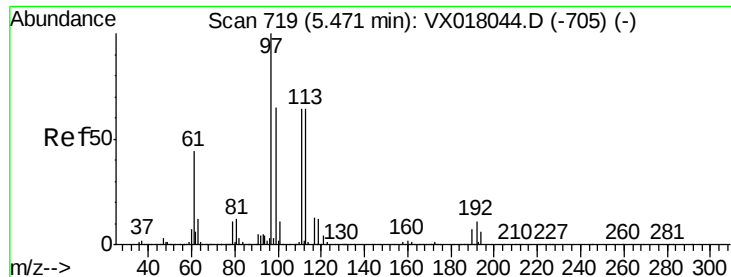
200000

100000

0

Time-->





#35

Dibromofluoromethane

Concen: 49.145 ug/l

RT: 5.47 min Scan# 719

Delta R.T. -0.00 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Instrument :

MSVOA_X

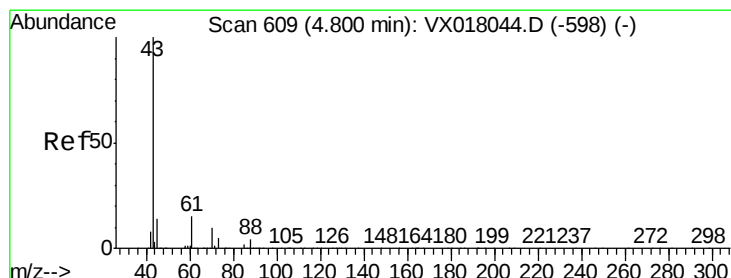
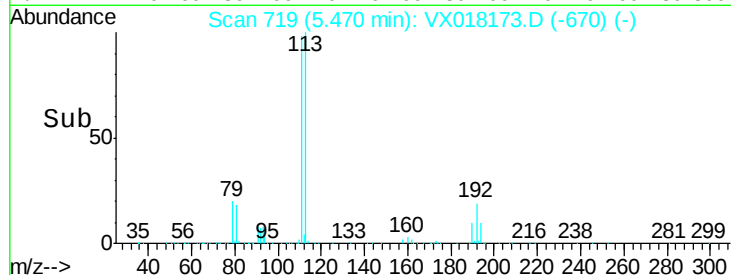
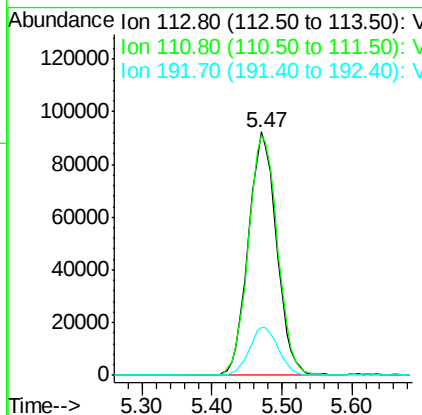
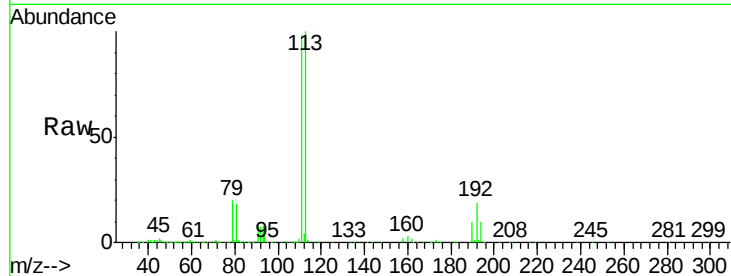
ClientSampleId :

40617

Tot Ion:	113	Resp:	259446
Ion Ratio	Lower	Upper	
113	100		
111	101.8	81.6	122.4
192	20.4	15.8	23.8

Manual Integrations
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#37

Ethyl Acetate

Concen: 858.350 ug/l

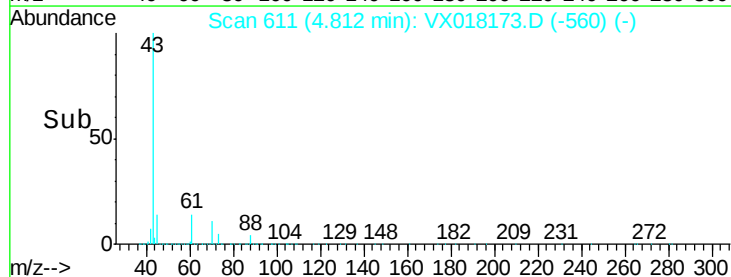
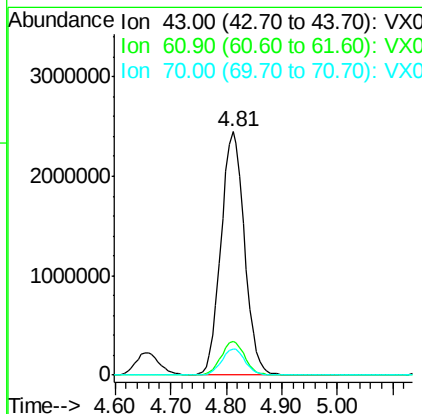
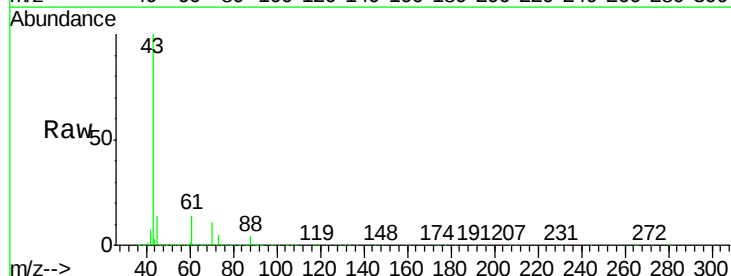
RT: 4.81 min Scan# 611

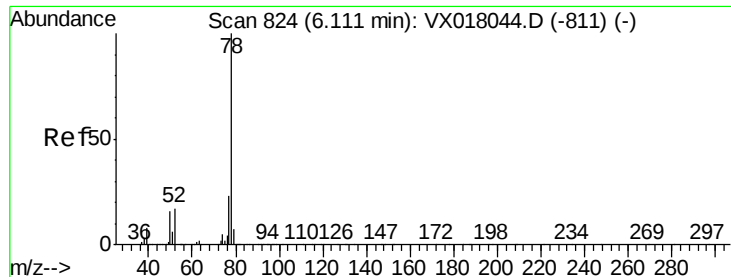
Delta R.T. 0.01 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Tgt Ion:	43	Resp:	7127639
Ion Ratio	Lower	Upper	
43	100		
61	14.0	11.3	16.9
70	10.7	8.2	12.4





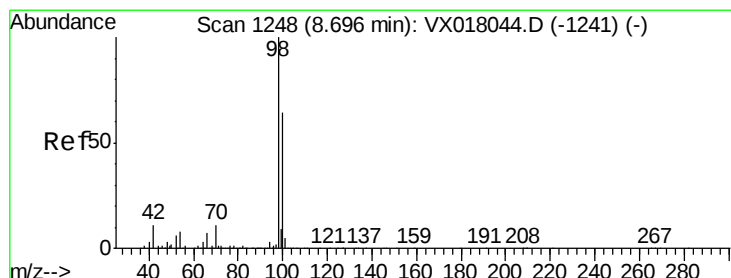
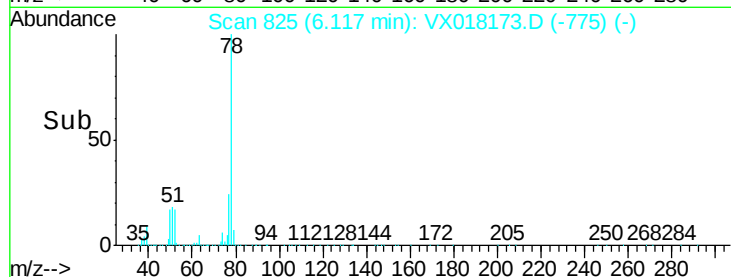
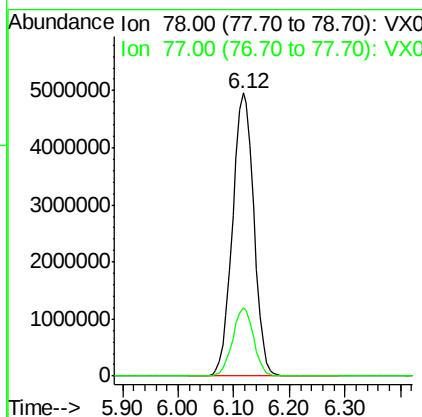
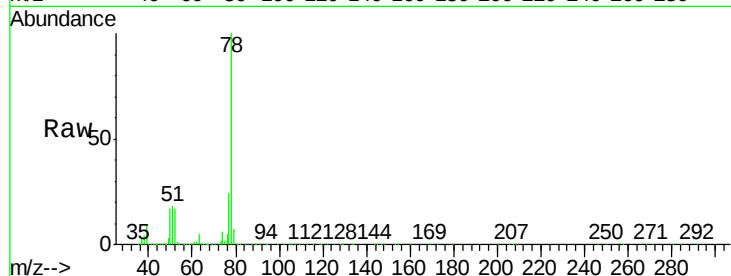
#40
Benzene
Concen: 623.455 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampled :
40617

Tot Ion: 78 Resp:13097775
Ion Ratio Lower Upper
78 100
77 24.1 18.2 27.2

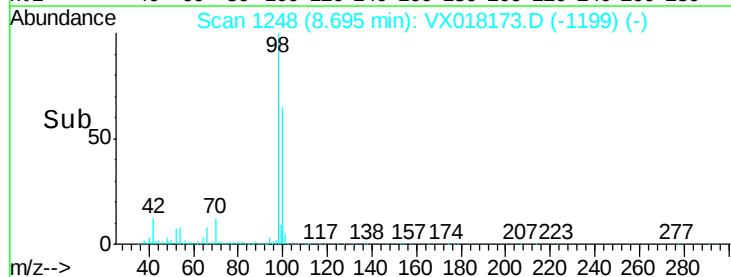
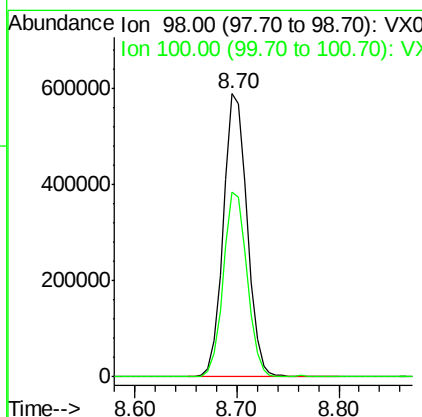
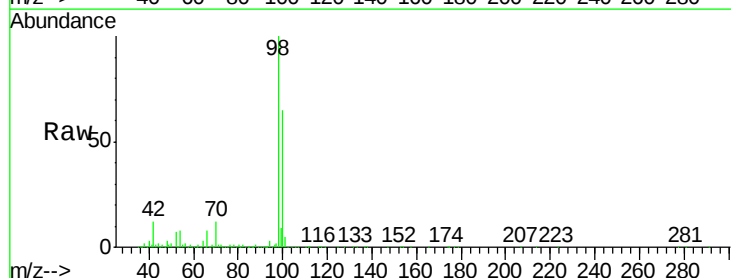
Manual Integrations
APPROVED

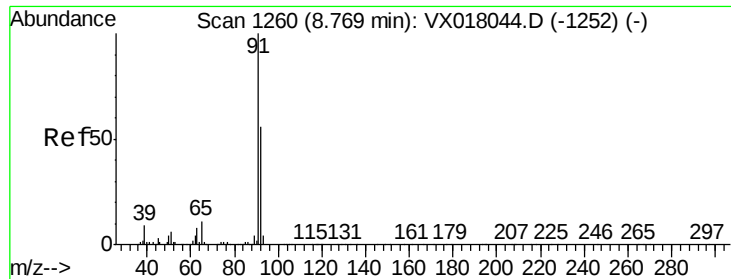
MMDadoda
9/1/2020 9:08:08 AM



#50
Toluene-d8
Concen: 48.332 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion: 98 Resp: 950329
Ion Ratio Lower Upper
98 100
100 65.1 52.2 78.4





#52

Toluene

Concen: 959.635 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Instrument :

MSVOA_X

ClientSampleId :

40617

Tot Ion: 92 Resp:12783652

Ion Ratio Lower Upper

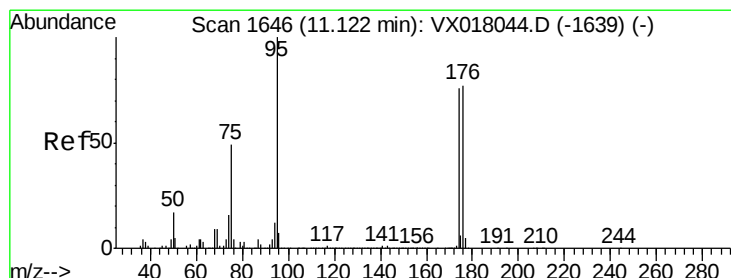
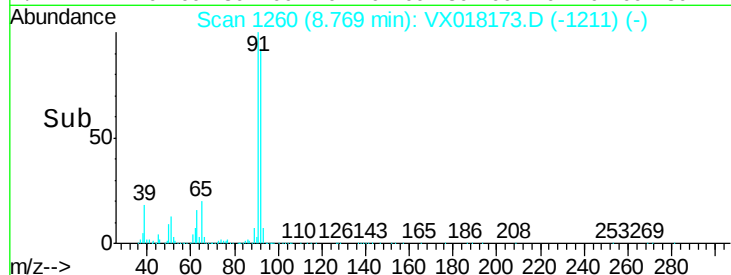
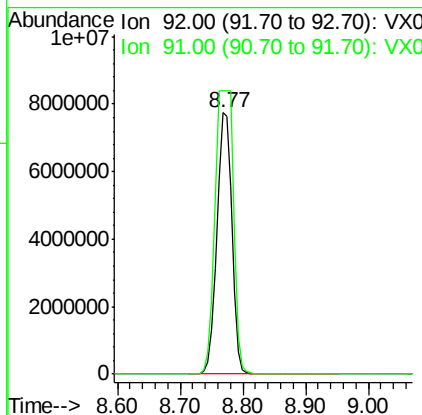
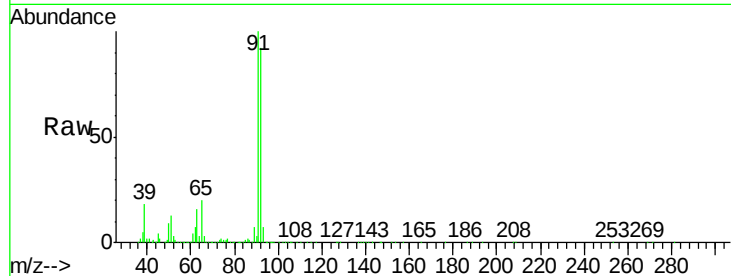
92 100

91 135.8 140.3 210.5#

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 49.394 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

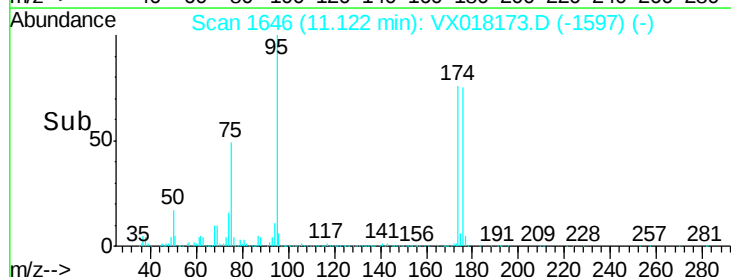
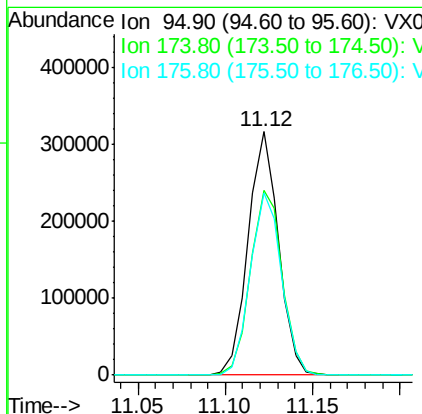
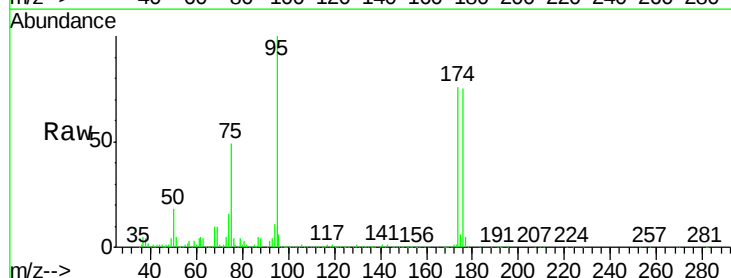
Tgt Ion: 95 Resp: 382112

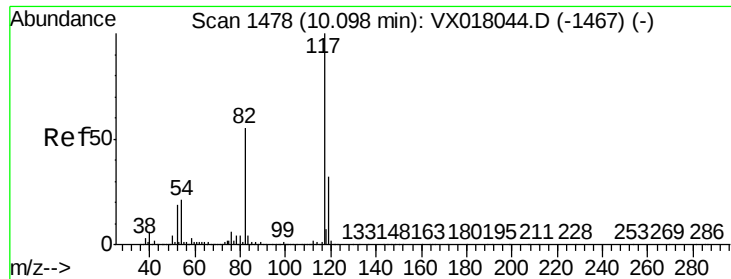
Ion Ratio Lower Upper

95 100

174 79.4 0.0 160.2

176 77.0 0.0 155.8





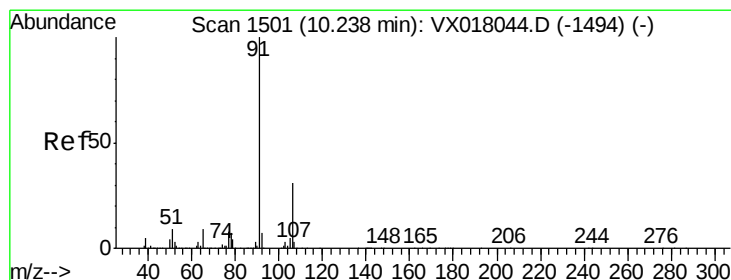
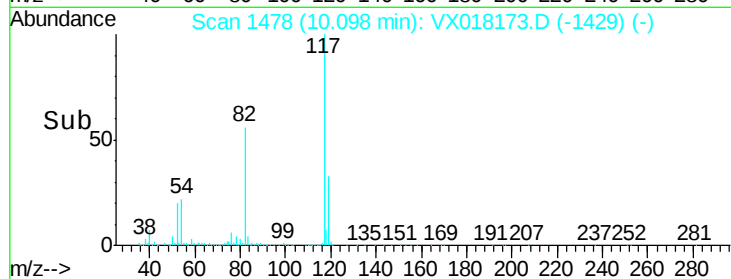
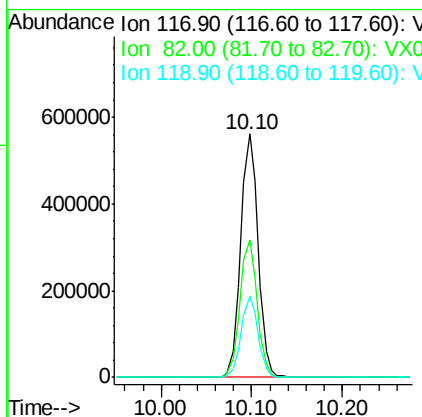
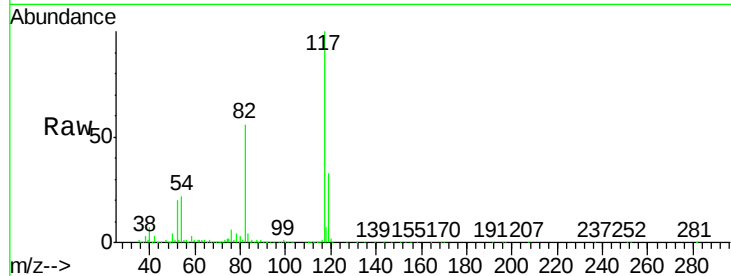
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampleId :
40617

Tot Ion	Ratio	Lower	Upper
117	100		
82	56.5	44.2	66.2
119	33.0	25.7	38.5

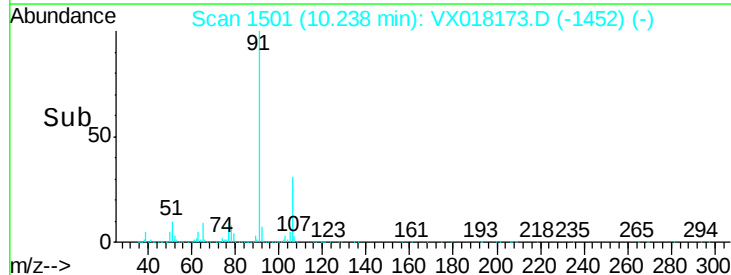
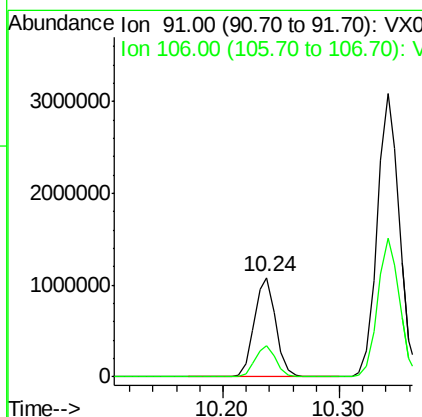
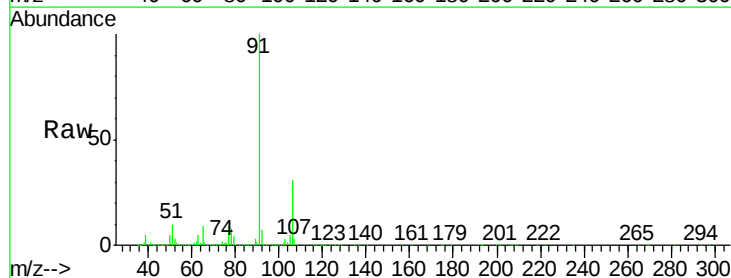
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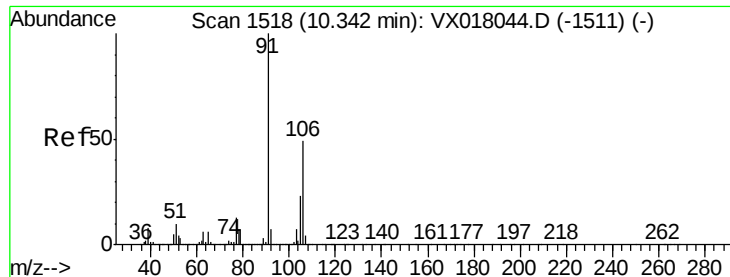
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#67
Ethyl Benzene
Concen: 54.633 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion	Ratio	Lower	Upper
91	100		
106	31.5	24.9	37.3





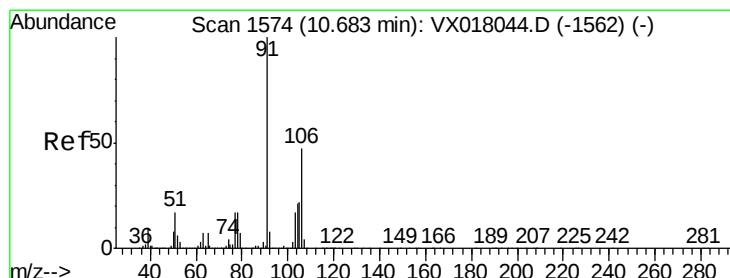
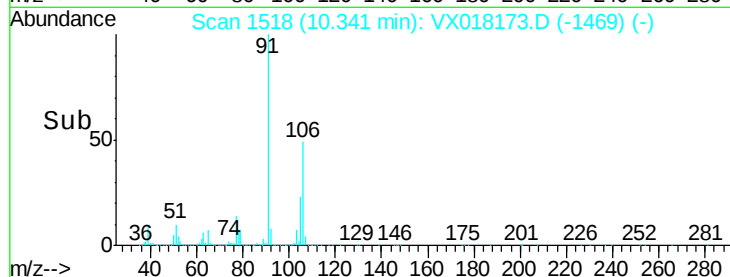
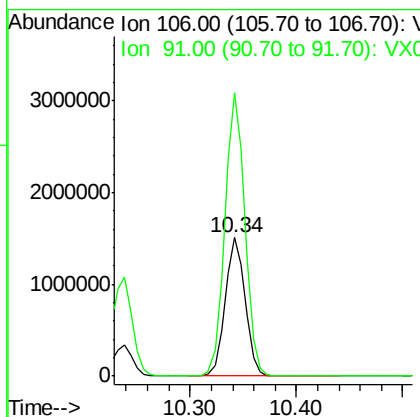
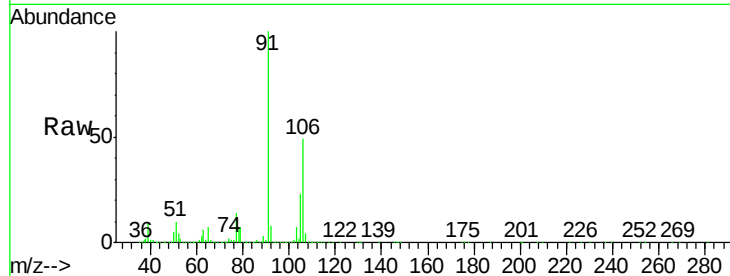
#68
m/p-Xvlenes
Concen: 208.036 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampleId :
40617

Tot Ion:106 Resp: 1971900
Ion Ratio Lower Upper
106 100
91 205.7 162.2 243.2

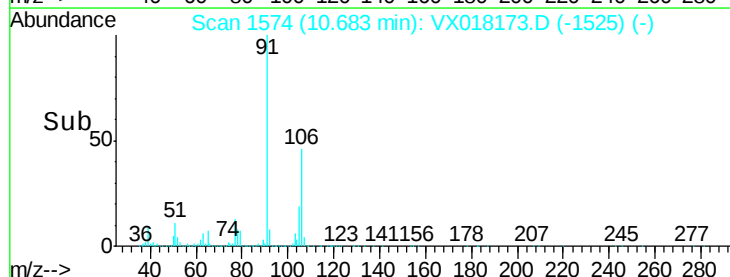
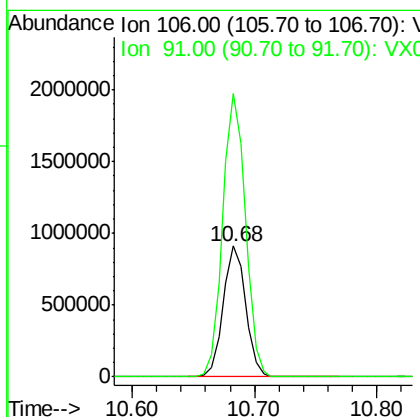
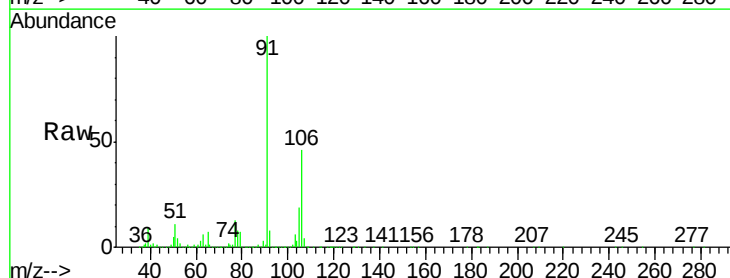
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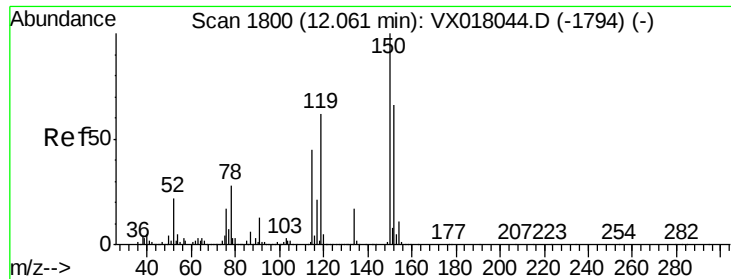
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#69
o-Xylene
Concen: 125.986 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion:106 Resp: 1157626
Ion Ratio Lower Upper
106 100
91 219.5 107.1 321.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Instrument :

MSVOA_X

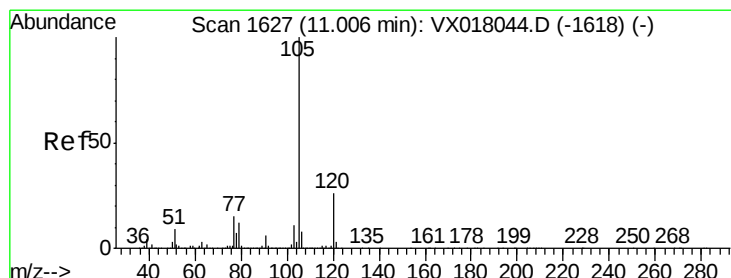
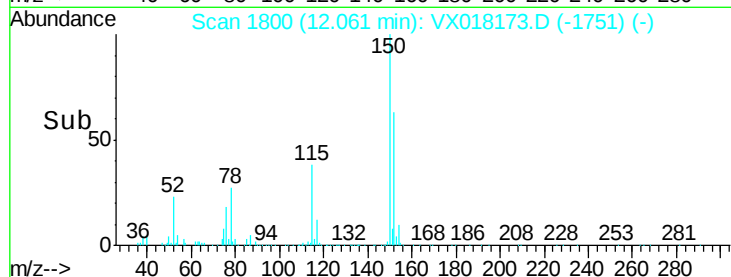
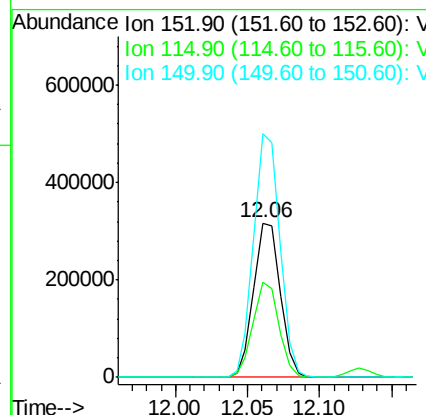
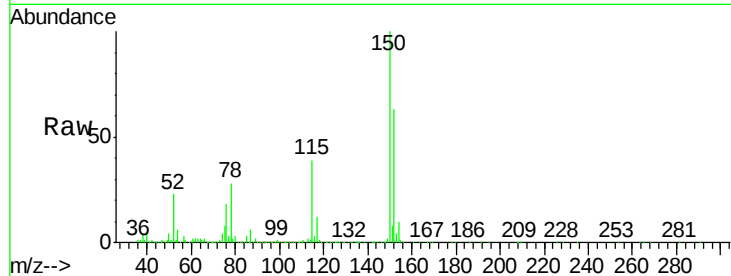
ClientSampleId :

40617

Tot Ion:	152	Resp:	405057
Ion Ratio	Lower	Upper	
152	100		
115	59.6	41.5	124.5
150	155.8	0.0	343.8

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#73

Isopropylbenzene

Concen: 1.475 ug/l

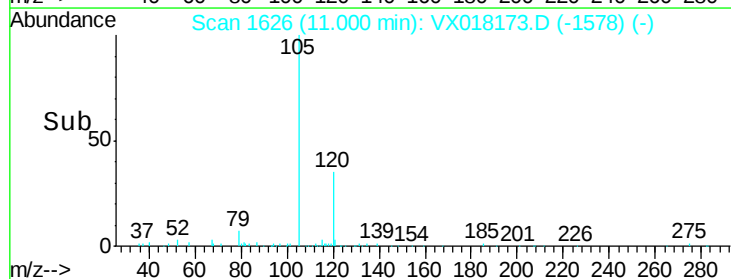
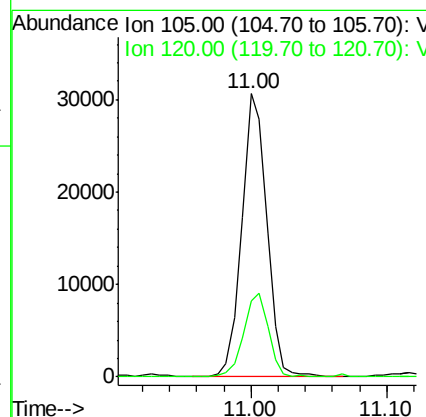
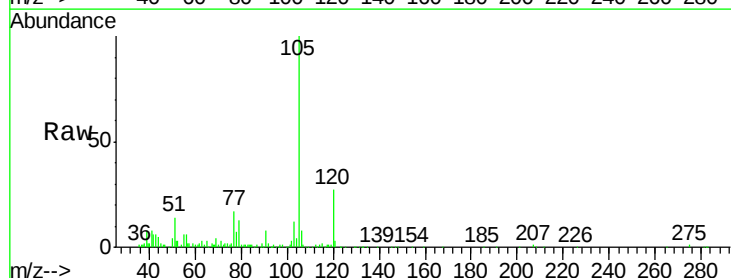
RT: 11.00 min Scan# 1626

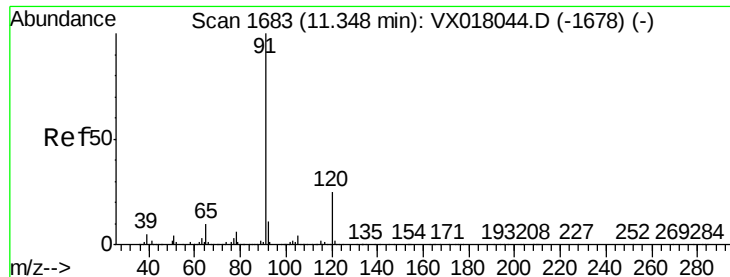
Delta R.T. -0.01 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Tgt Ion:	105	Resp:	39405
Ion Ratio	Lower	Upper	
105	100		
120	29.5	13.2	39.5





#78

n-propylbenzene

Concen: 3.277 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.01 min

Lab File: VX018173.D

Acq: 01 Sep 2020 02:10

Instrument :

MSVOA_X

ClientSampleId :

40617

Tot Ion: 91 Resp: 99412

Ion Ratio Lower Upper

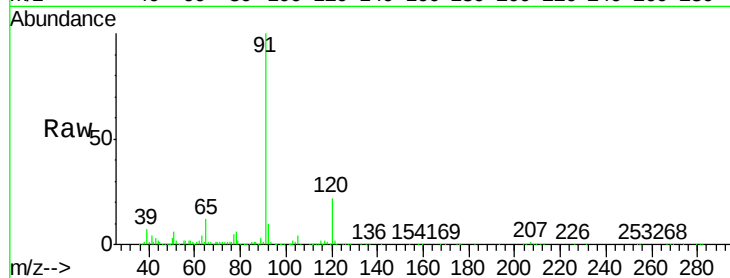
91 100

120 23.5 11.9 35.9

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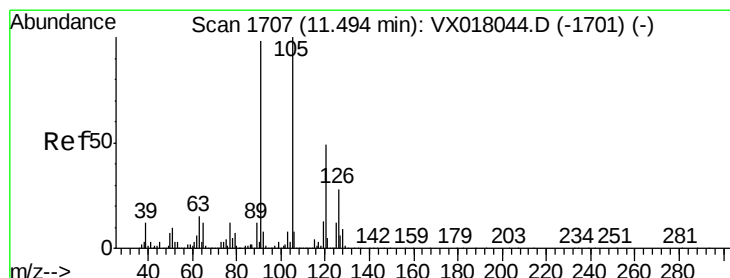
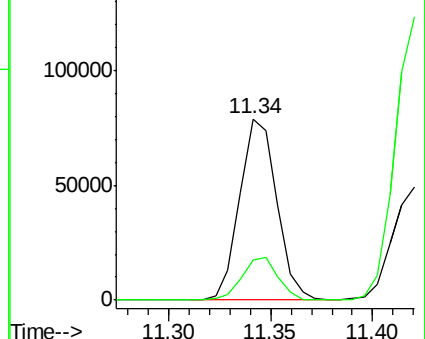
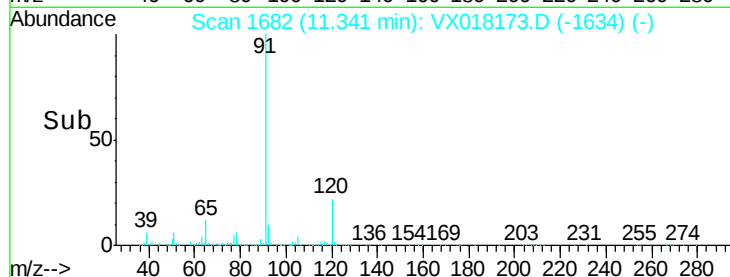
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Abundance Ion 91.00 (90.70 to 91.70): VX018044.D (-1678) (-)

Ion 120.00 (119.70 to 120.70): VX018044.D (-1678) (-)



#80

1,3,5-Trimethylbenzene

Concen: 9.194 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX018173.D

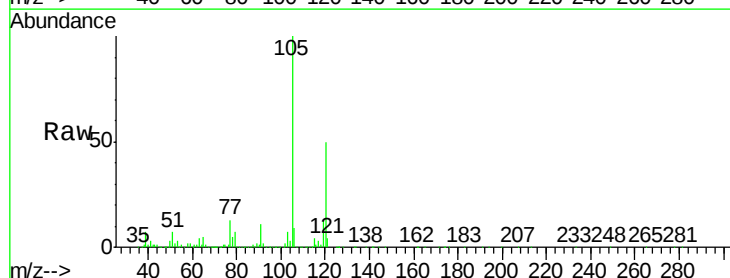
Acq: 01 Sep 2020 02:10

Tgt Ion: 105 Resp: 201866

Ion Ratio Lower Upper

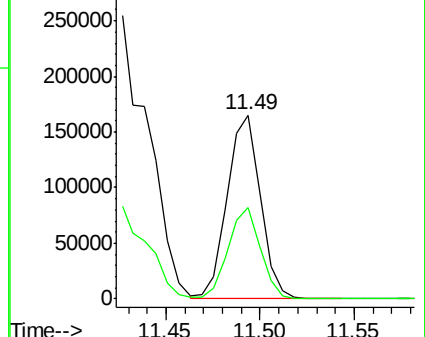
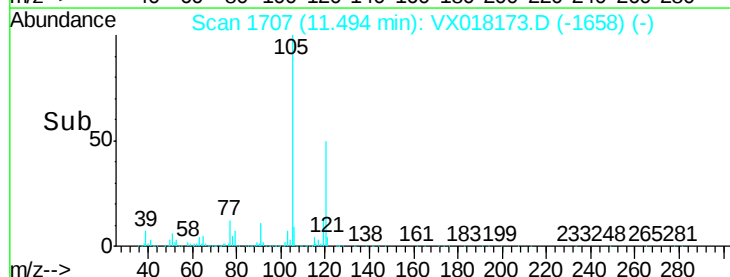
105 100

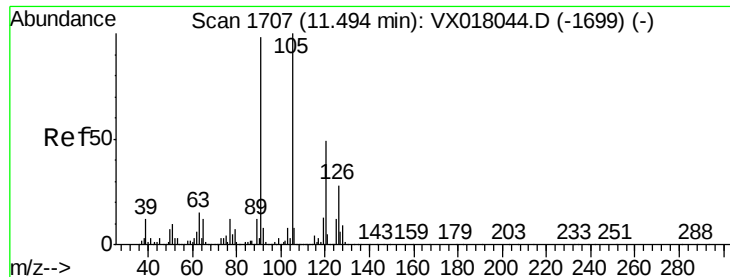
120 48.5 24.1 72.2



Abundance Ion 105.00 (104.70 to 105.70): VX018044.D (-1701) (-)

Ion 120.00 (119.70 to 120.70): VX018044.D (-1701) (-)





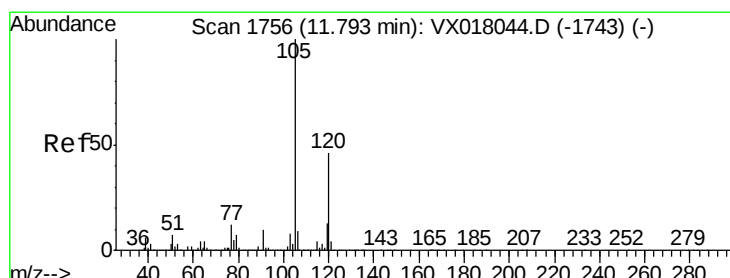
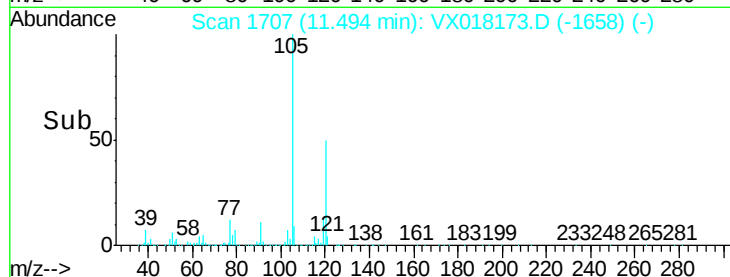
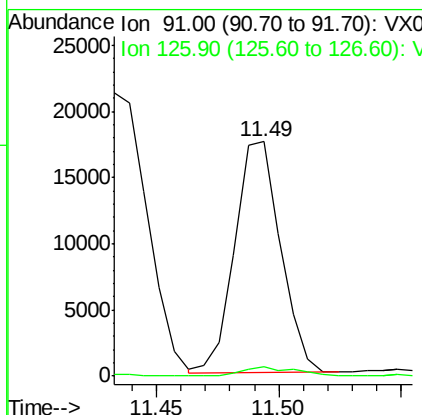
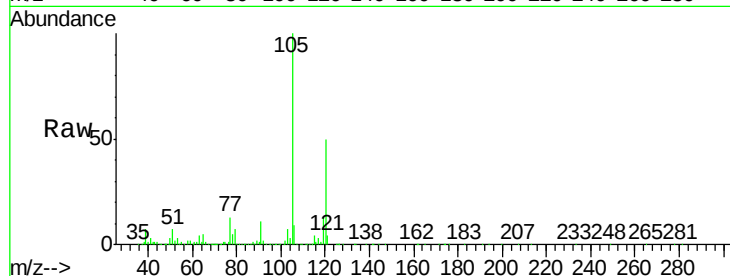
#82
4-Chlorotoluene
Concen: 1.022 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampled :
40617

Tot Ion: 91 Resp: 22770
Ion Ratio Lower Upper
91 100
126 4.9 15.1 45.3#

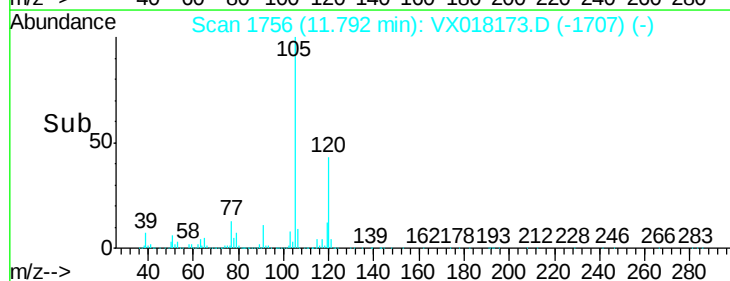
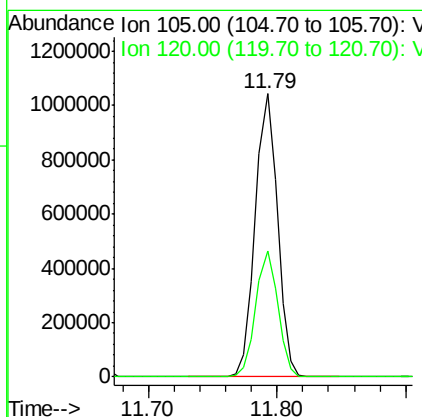
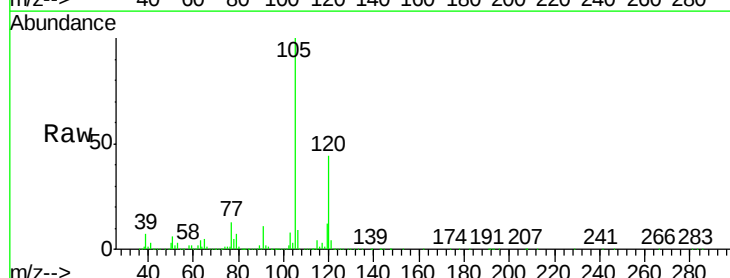
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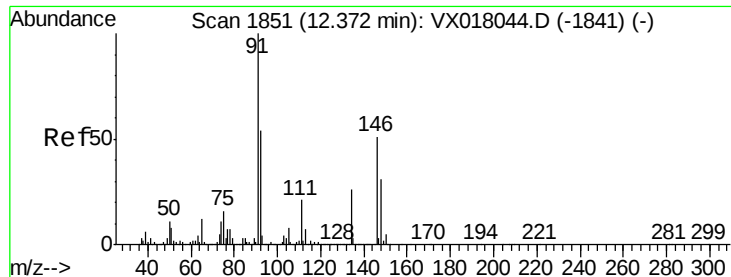
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#84
1,2,4-Trimethylbenzene
Concen: 54.965 ug/l
RT: 11.79 min Scan# 1756
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion: 105 Resp: 1233810
Ion Ratio Lower Upper
105 100
120 44.3 22.3 66.9





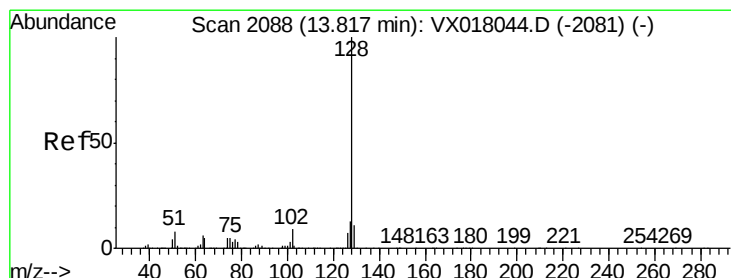
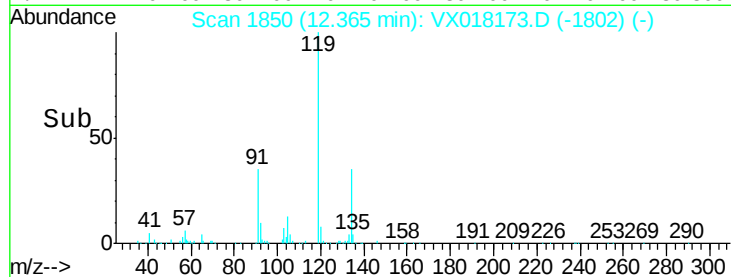
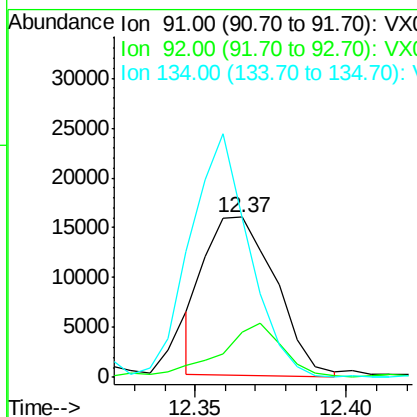
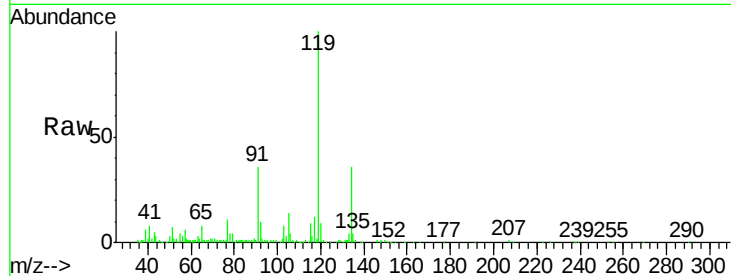
#89
n-Butylbenzene
Concen: 1.241 ug/l m
RT: 12.37 min Scan# 1850
Delta R.T. -0.01 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Instrument :
MSVOA_X
ClientSampled :
40617

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.3	26.4	79.2
134	129.4	12.9	38.7#

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#95
Naphthalene
Concen: 79.302 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX018173.D
Acq: 01 Sep 2020 02:10

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.2	15.2
129	11.1	8.7	13.1

