

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\WX072420\
 Data File : VX017547.D
 Acq On : 24 Jul 2020 16:53
 Operator : JC/SP
 Sample : L3413-07
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 20758

Manual Integrations
 APPROVED

MMDadoda
 7/27/2020 11:03:38 AM

Quant Time: Jul 25 03:28:48 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 24 05:48:09 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	438997	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	707850	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	736807	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	476383	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	306145	54.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.58%	
35) Dibromofluoromethane	5.46	113	254264	53.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	107.42%	
50) Toluene-d8	8.70	98	970939	56.85	ug/l	0.00
Spiked Amount 50.000			Recovery	=	113.70%	
62) 4-Bromofluorobenzene	11.12	95	398294	58.27	ug/l	0.00
Spiked Amount 50.000			Recovery	=	116.54%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.01	59	39702	33.405	ug/l	97
16) Acetone	2.42	43	5067098	2041.562	ug/l	97
18) Methyl Acetate	2.75	43	18291	3.129	ug/l	97
19) Methyl tert-butyl Ether	3.17	73	167078	10.646	ug/l	97
22) Diisopropyl ether	3.83	45	30553	2.018	ug/l #	93
25) 2-Butanone	4.64	43	362806	102.897	ug/l	97
29) Tetrahydrofuran	5.10	42	16402	7.510	ug/l #	90
37) Ethyl Acetate	4.79	43	645544	86.906	ug/l	99
40) Benzene	6.12	78	1056819	54.297	ug/l	99
52) Toluene	8.77	92	2572497	206.091	ug/l	100
59) 2-Hexanone	9.48	43	19413	3.526	ug/l	95
67) Ethyl Benzene	10.24	91	641407	24.093	ug/l	98
68) m/p-Xylenes	10.34	106	1147397	111.254	ug/l	96
69) o-Xylene	10.68	106	1097783	110.674	ug/l	99
73) Isopropylbenzene	11.00	105	45155	1.382	ug/l	96
78) n-propylbenzene	11.34	91	135456	3.675	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	406651	14.574	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	2377913	85.681	ug/l	100
85) sec-Butylbenzene	11.93	105	24411m	0.785	ug/l	
86) p-Isopropyltoluene	12.05	119	21573m	0.728	ug/l	
95) Naphthalene	13.82	128	2732905	86.870	ug/l	100

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

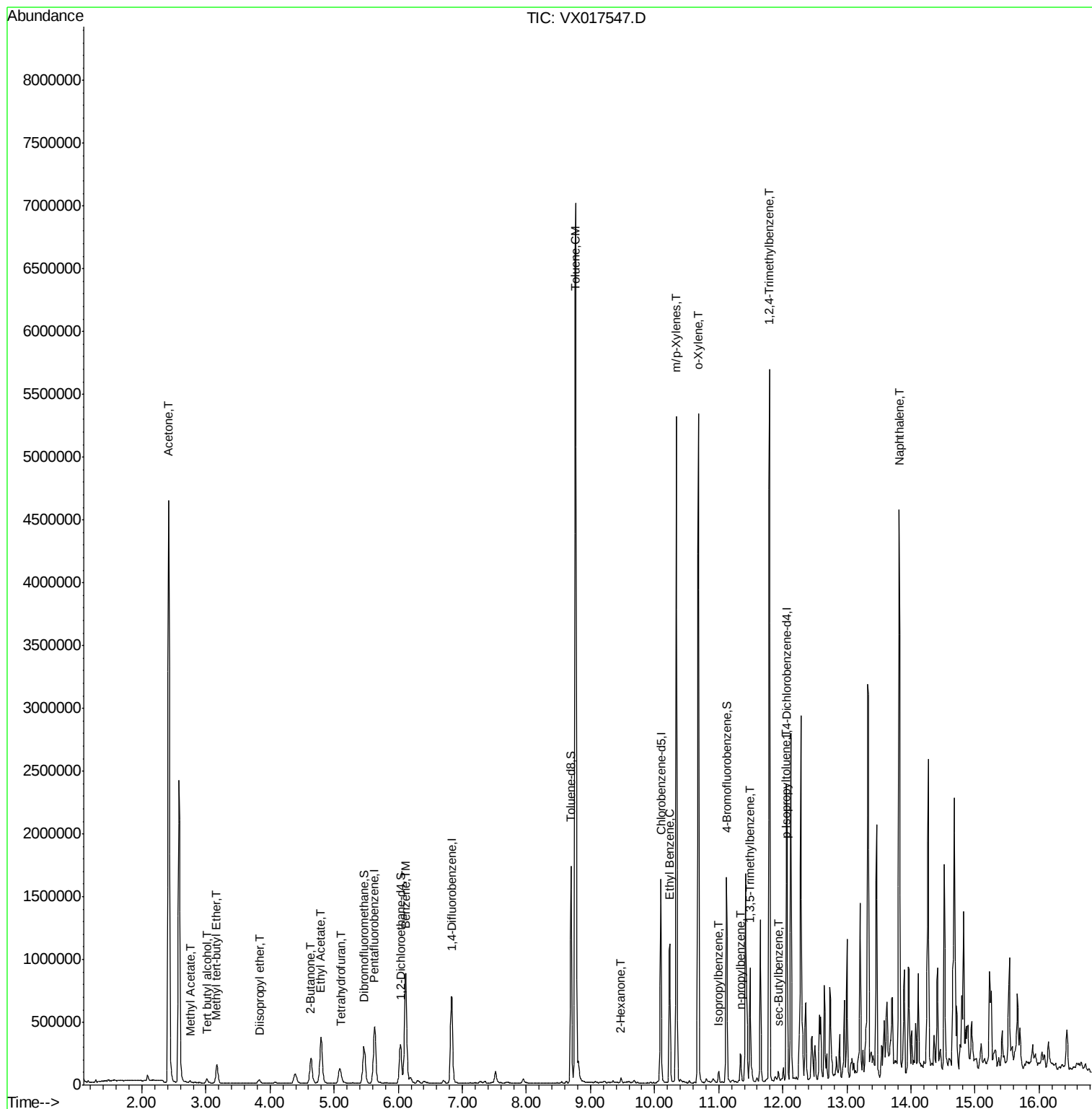
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072420\
Data File : VX017547.D
Acq On : 24 Jul 2020 16:53
Operator : JC/SP
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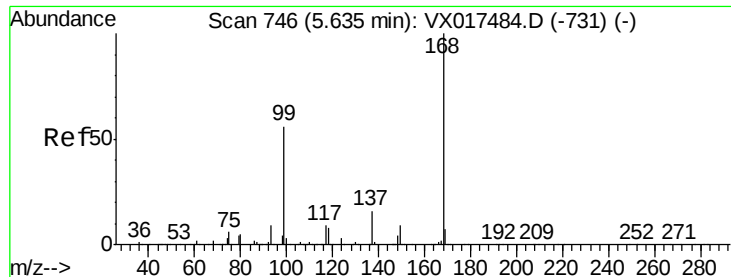
Instrument :
MSVOA_X
ClientSampleId :
20758

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7/27/2020 11:03:38 AM

Quant Time: Jul 25 03:28:48 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X072320W.M
Quant Title : SW846 8260
QLast Update : Fri Jul 24 05:48:09 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.64 min Scan# 746

Delta R.T. -0.00 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

20758

Tgt Ion:168 Resp: 438997

Ion Ratio Lower Upper

168 100

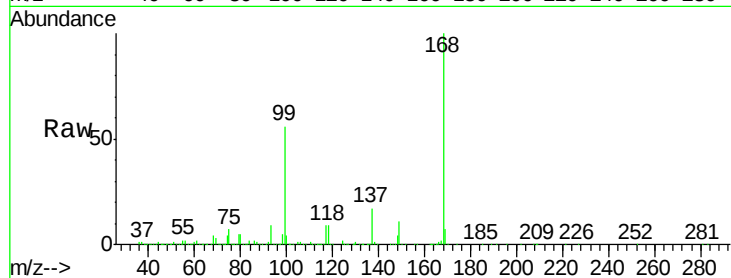
99 56.0 43.4 65.2

Manual Integrations

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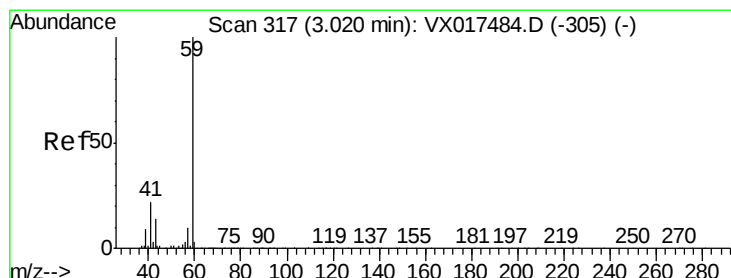
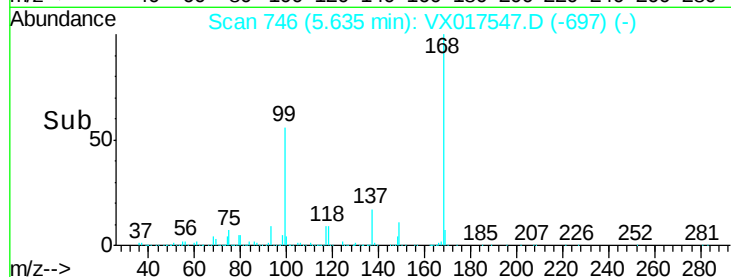
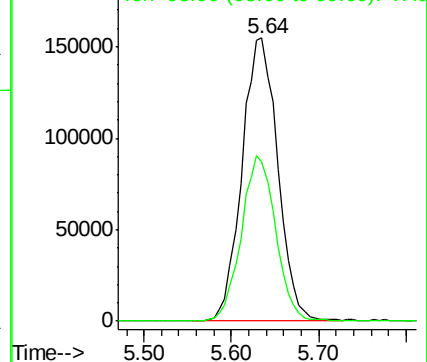
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 33.405 ug/l

RT: 3.01 min Scan# 316

Delta R.T. -0.01 min

Lab File: VX017547.D

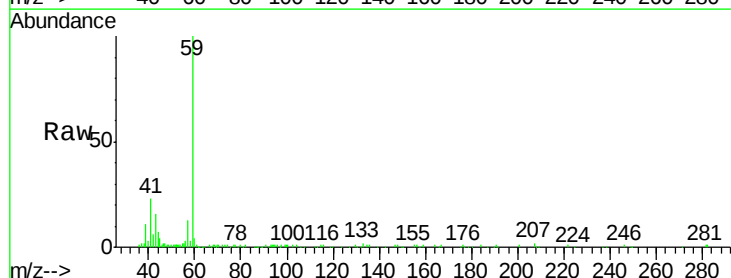
Acq: 24 Jul 2020 16:53

Tgt Ion: 59 Resp: 39702

Ion Ratio Lower Upper

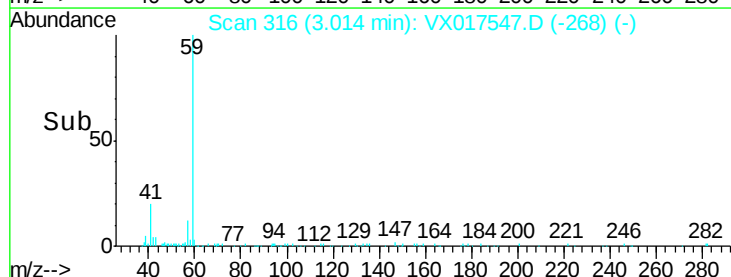
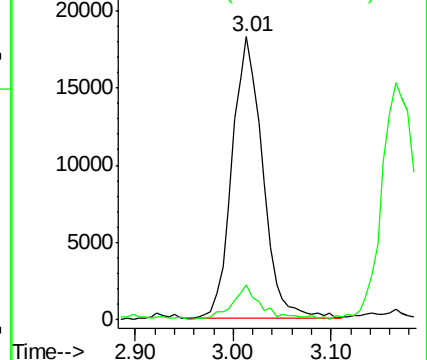
59 100

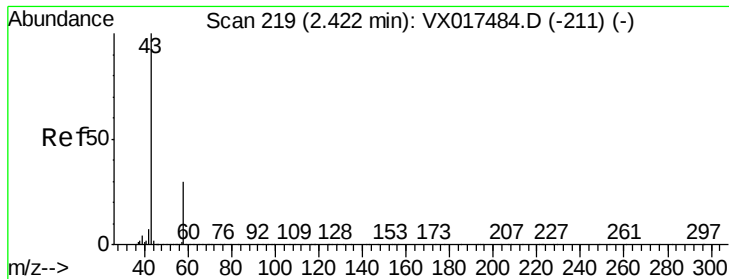
57 12.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





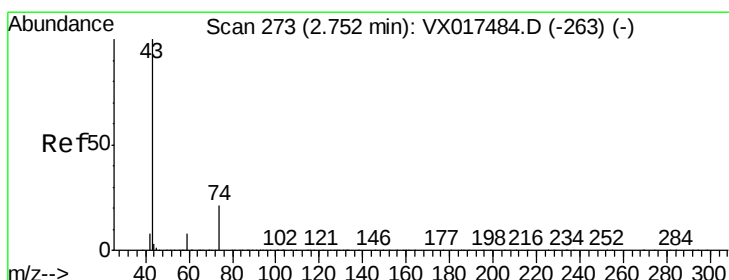
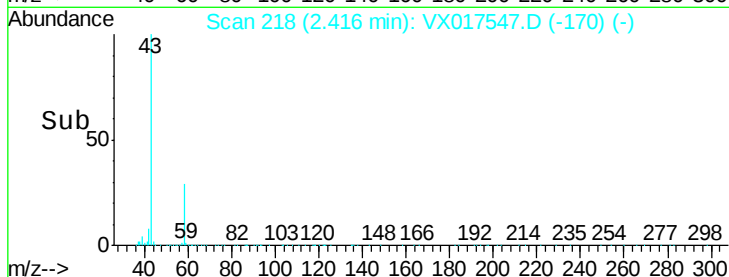
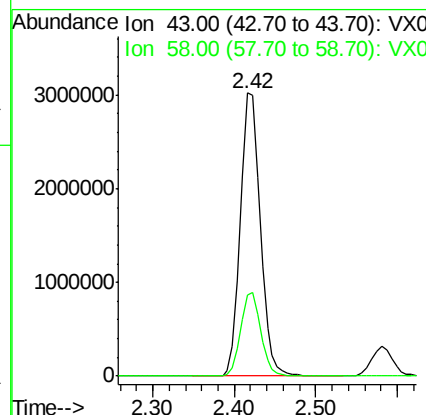
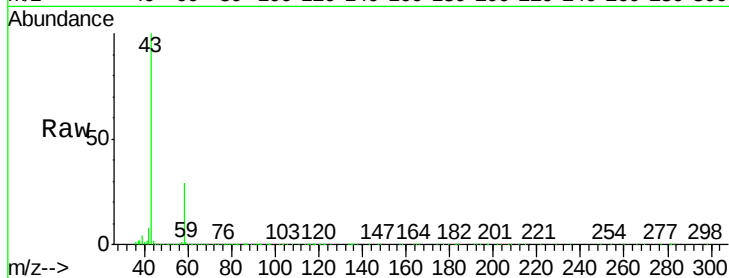
#16
Acetone
Concen: 2041.562 ug/l
RT: 2.42 min Scan# 218
Delta R.T. -0.01 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
20758

Tgt Ion: 43 Resp: 5067098
Ion Ratio Lower Upper
43 100
58 28.5 24.2 36.4

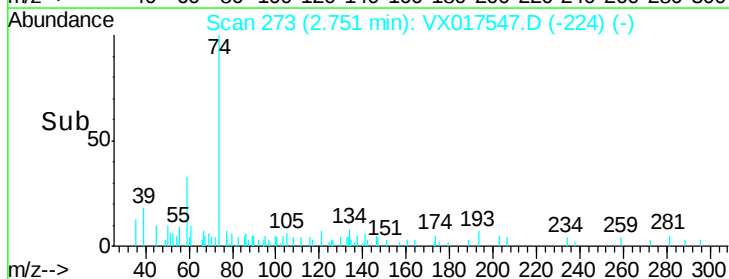
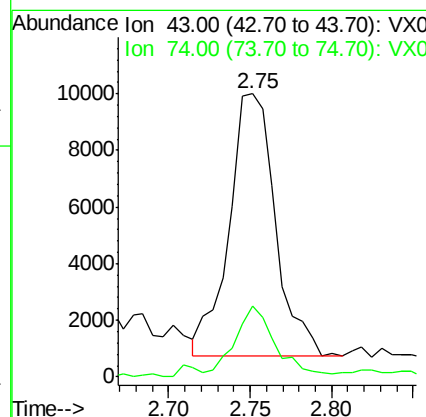
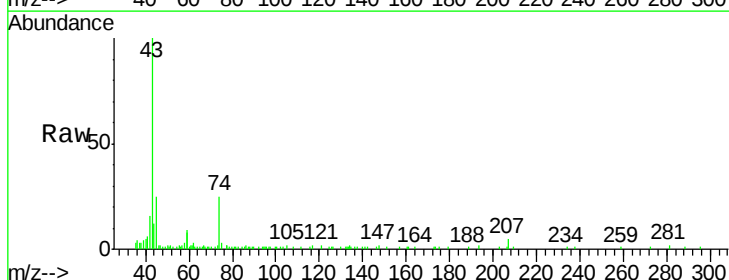
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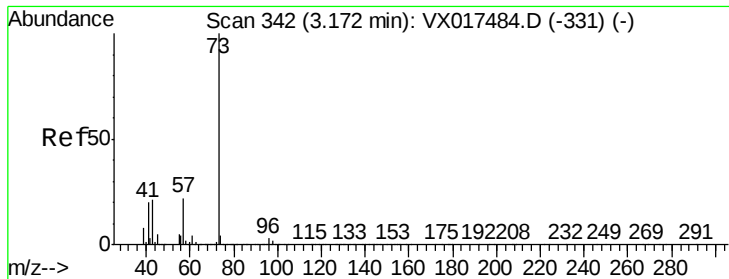
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#18
Methyl Acetate
Concen: 3.129 ug/l
RT: 2.75 min Scan# 273
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Tgt Ion: 43 Resp: 18291
Ion Ratio Lower Upper
43 100
74 23.2 17.5 26.3





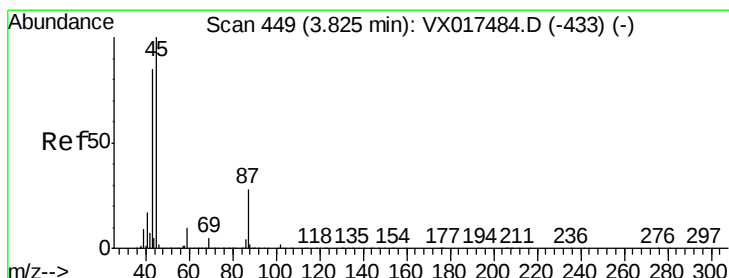
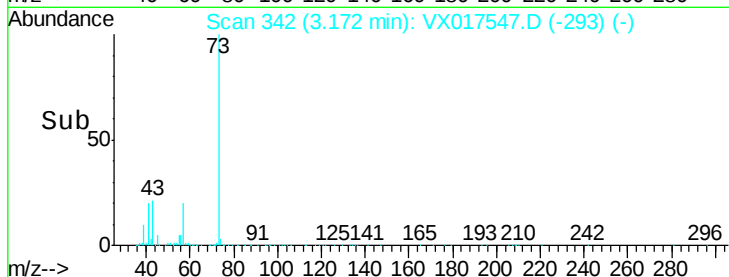
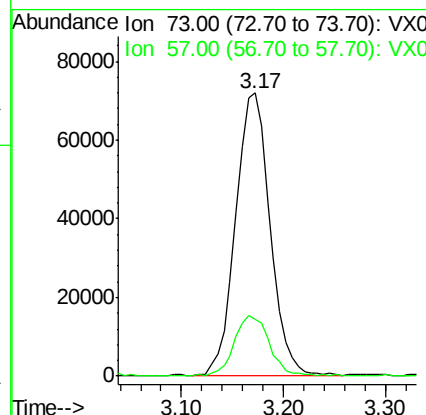
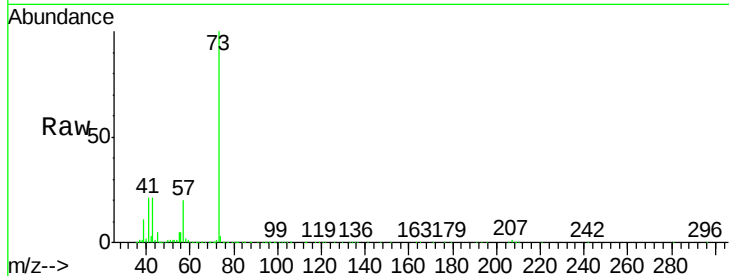
#19
Methyl tert-butyl Ether
Concen: 10.646 ug/l
RT: 3.17 min Scan# 342
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
20758

Tgt Ion	Ratio	Lower	Upper
73	100		
57	19.9	17.0	25.4

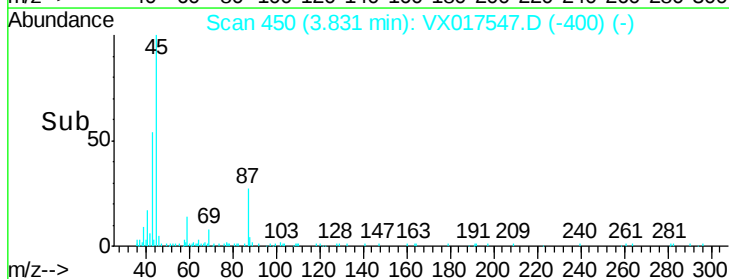
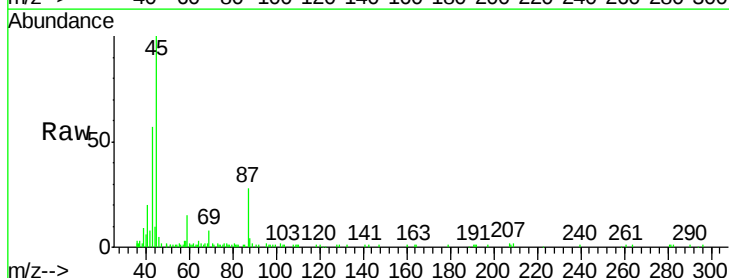
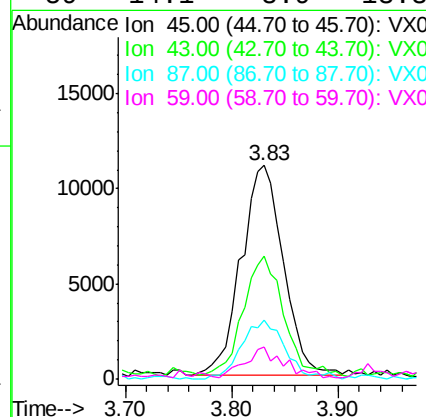
Manual Integrations
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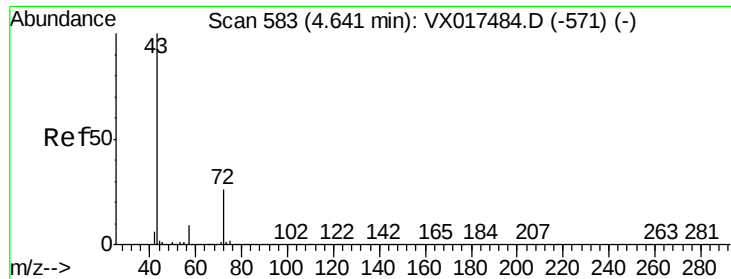
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#22
Diisopropyl ether
Concen: 2.018 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Tgt Ion	Ratio	Lower	Upper
45	100		
43	57.0	52.0	78.0
87	28.1	22.2	33.4
59	14.1	8.9	13.3#





#25

2-Butanone

Concen: 102.897 ug/l

RT: 4.64 min Scan# 582

Delta R.T. -0.01 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampled :

20758

Tgt Ion: 43 Resp: 362806

Ion Ratio Lower Upper

43 100

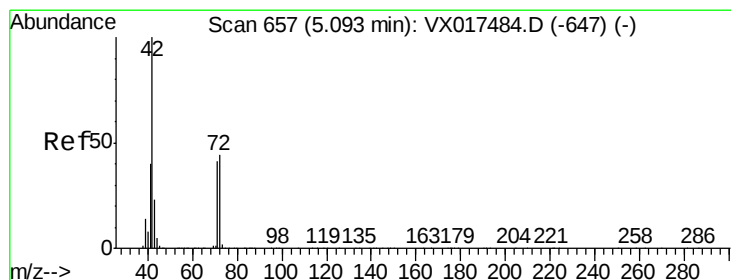
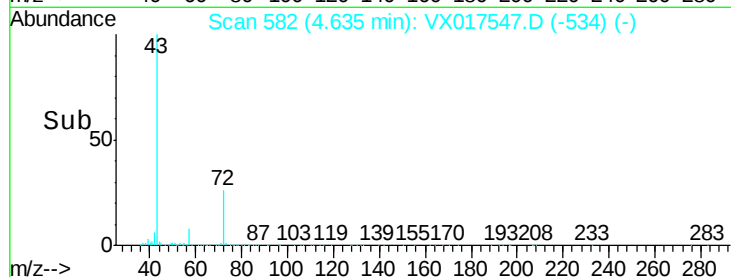
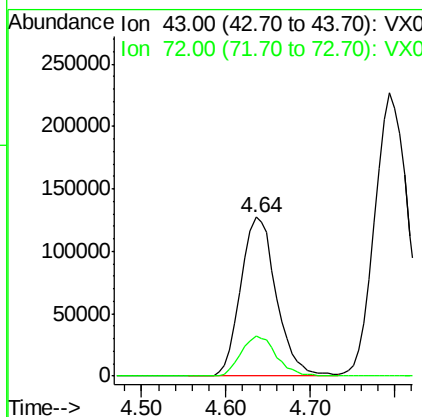
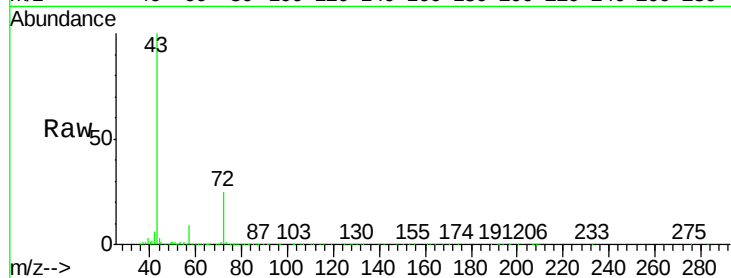
72 25.4 19.0 28.4

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#29

Tetrahydrofuran

Concen: 7.510 ug/l

RT: 5.10 min Scan# 659

Delta R.T. 0.01 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

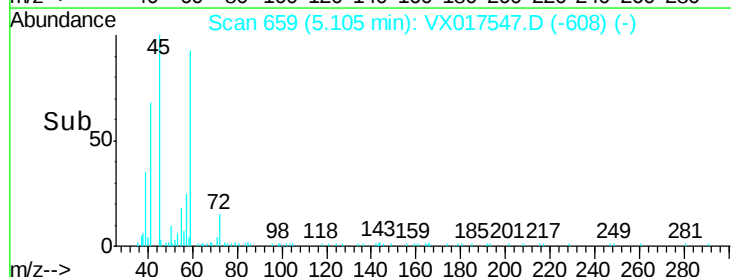
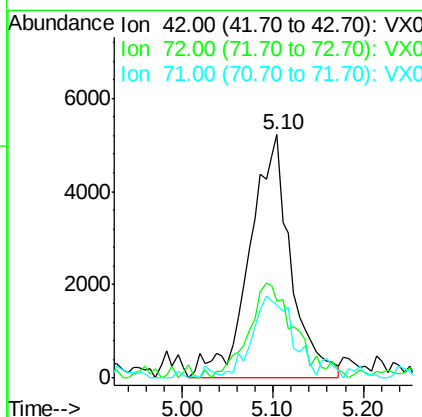
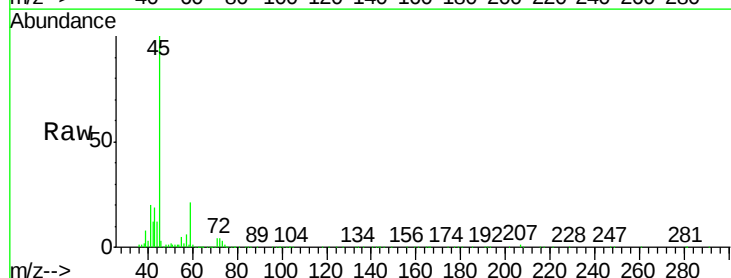
Tgt Ion: 42 Resp: 16402

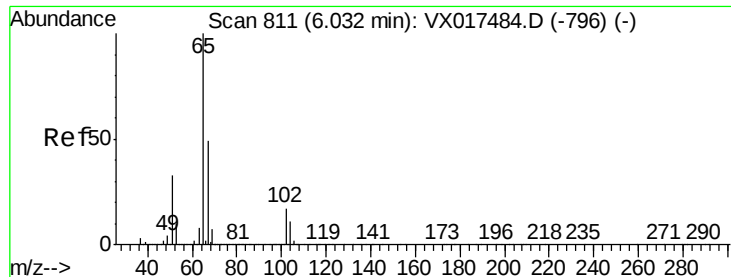
Ion Ratio Lower Upper

42 100

72 42.4 35.5 53.3

71 30.6 33.0 49.4#





#33

1,2-Dichloroethane-d4

Concen: 54.290 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampled :

20758

Tgt Ion: 65 Resp: 306145

Ion Ratio Lower Upper

65 100

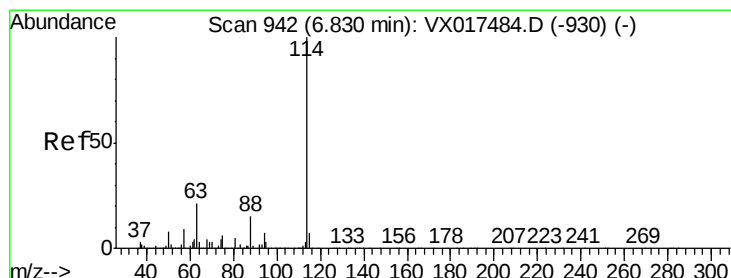
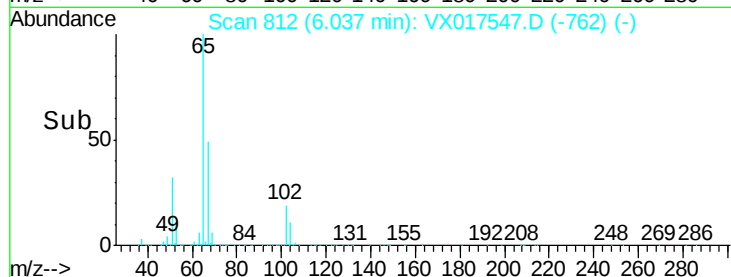
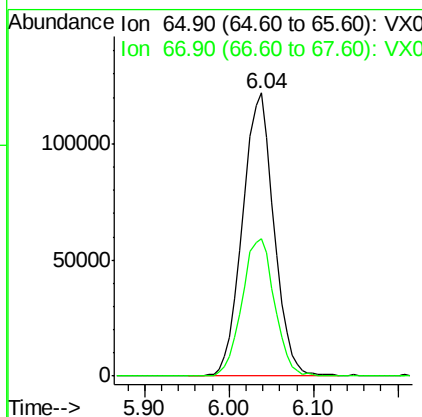
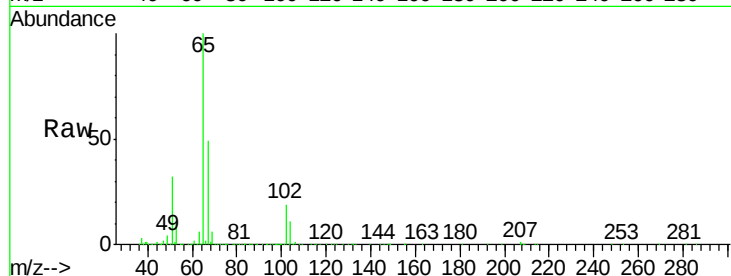
67 50.4 0.0 102.8

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.84 min Scan# 943

Delta R.T. 0.01 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

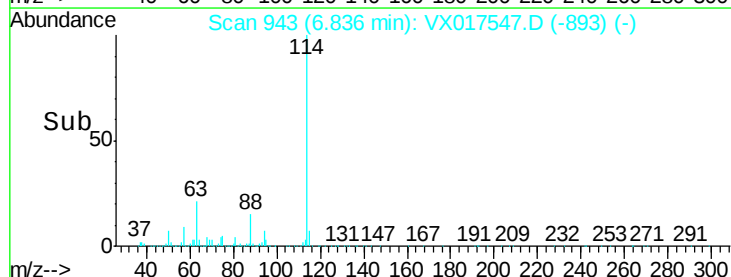
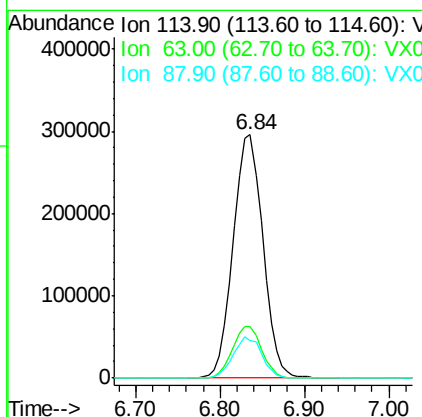
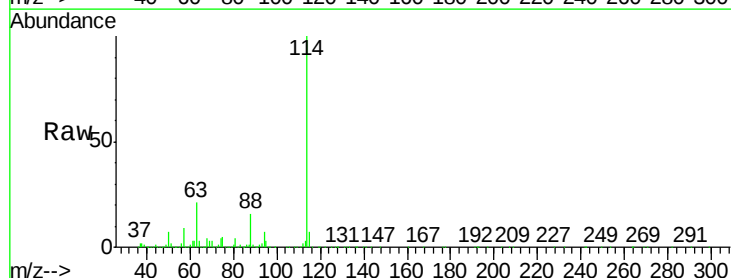
Tgt Ion: 114 Resp: 707850

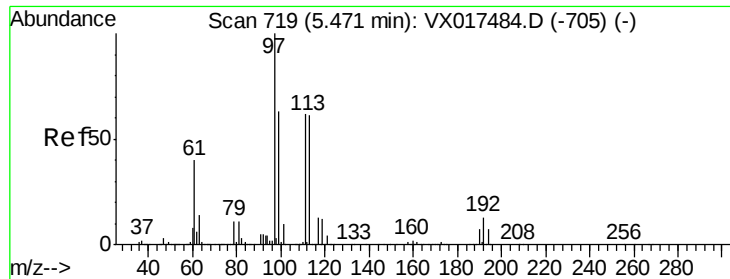
Ion Ratio Lower Upper

114 100

63 21.2 0.0 40.6

88 15.5 0.0 33.4





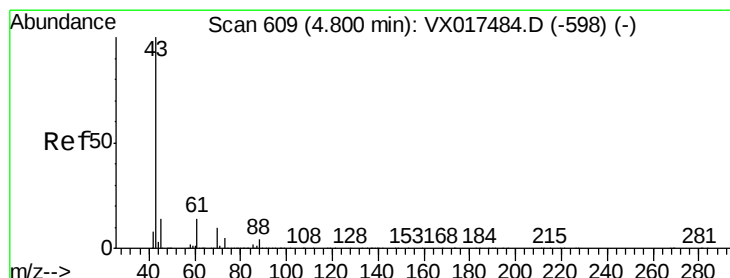
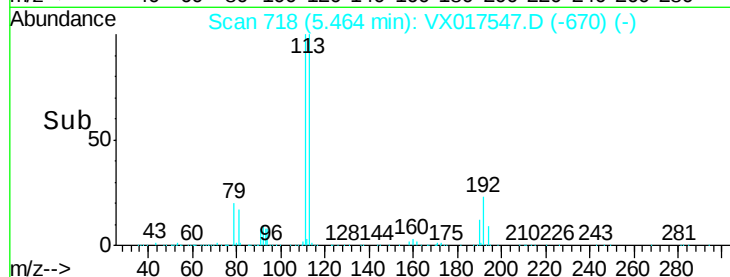
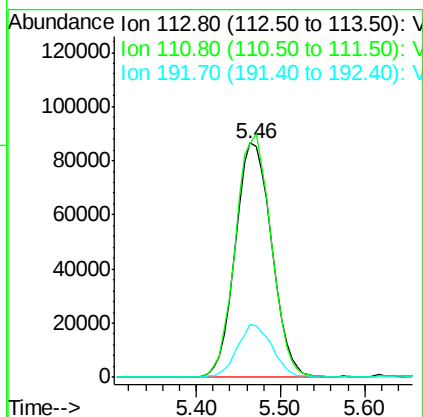
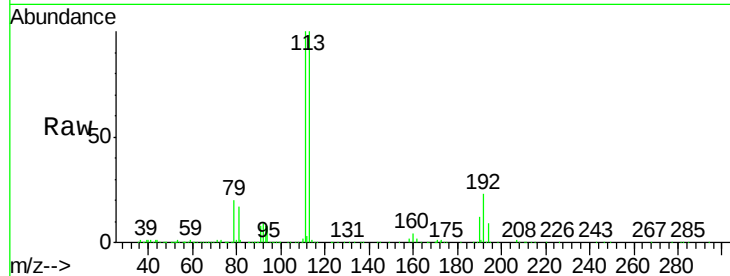
#35
Dibromofluoromethane
Concen: 53.709 ug/l
RT: 5.46 min Scan# 718
Delta R.T. -0.01 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
20758

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	254264		
111	101.9	80.7	121.1	
192	21.6	16.9	25.3	

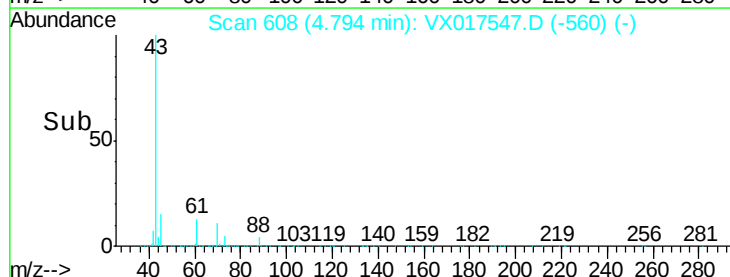
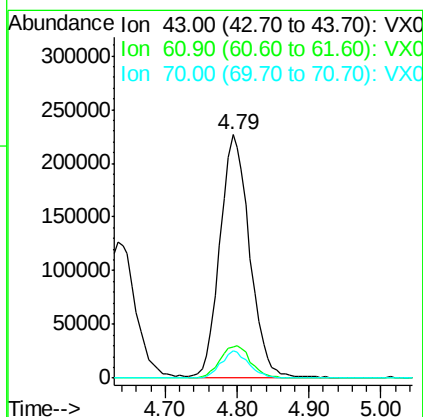
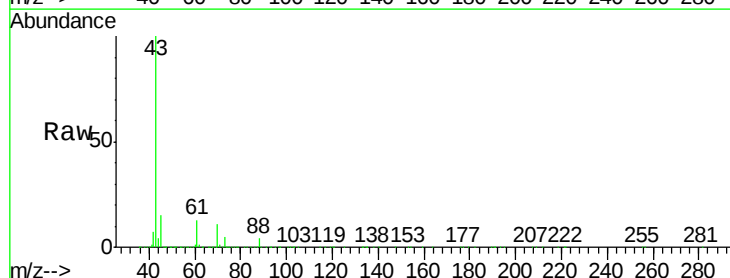
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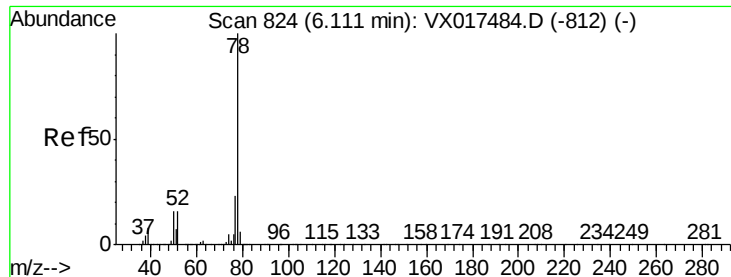
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#37
Ethyl Acetate
Concen: 86.906 ug/l
RT: 4.79 min Scan# 608
Delta R.T. -0.01 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	645544		
61	13.9	10.7	16.1	
70	10.6	8.5	12.7	





#40

Benzene

Concen: 54.297 ug/l

RT: 6.12 min Scan# 825

Delta R.T. 0.01 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampled :

20758

Tgt Ion: 78 Resp: 1056819

Ion Ratio Lower Upper

78 100

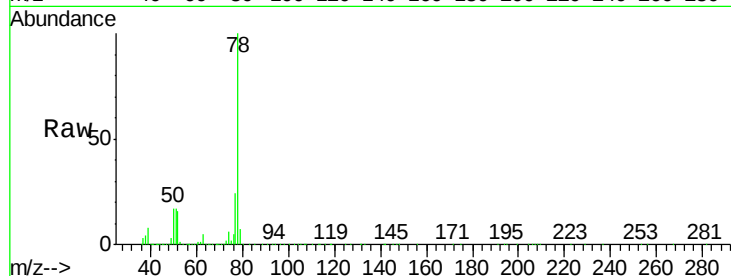
77 23.9 19.4 29.2

Manual Integrations

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MMDadoda

7/27/2020 11:03:38 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

400000

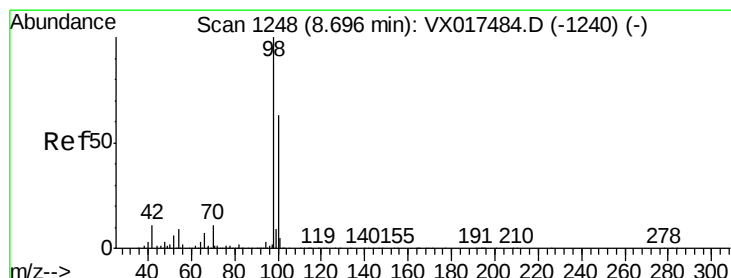
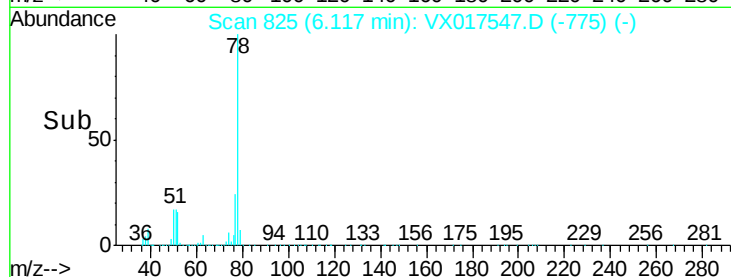
300000

200000

100000

0

Time-->



#50

Toluene-d8

Concen: 56.852 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017547.D

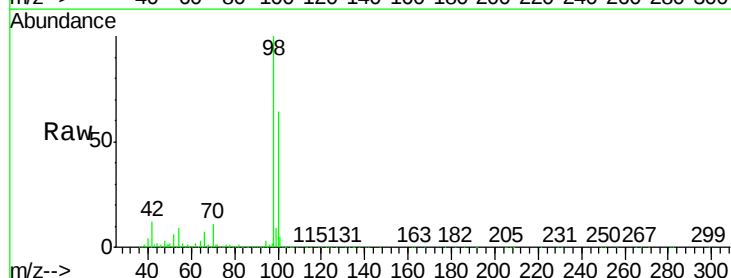
Acq: 24 Jul 2020 16:53

Tgt Ion: 98 Resp: 970939

Ion Ratio Lower Upper

98 100

100 64.1 52.3 78.5



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.70

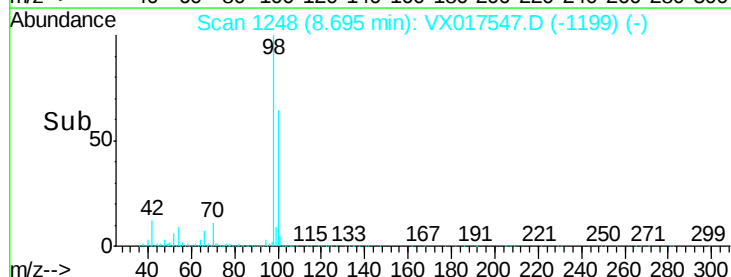
600000

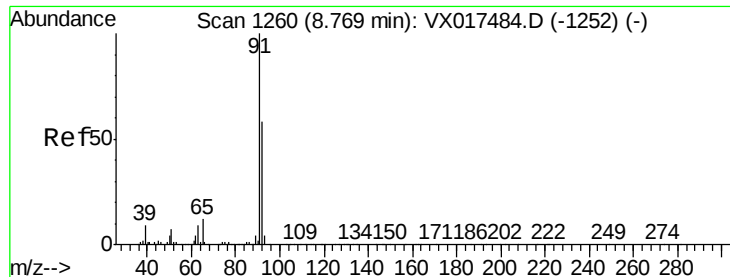
400000

200000

0

Time-->





#52

Toluene

Concen: 206.091 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

20758

Tgt Ion: 92 Resp: 2572497

Ion Ratio Lower Upper

92 100

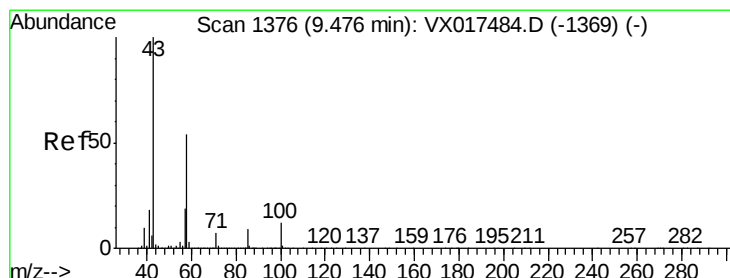
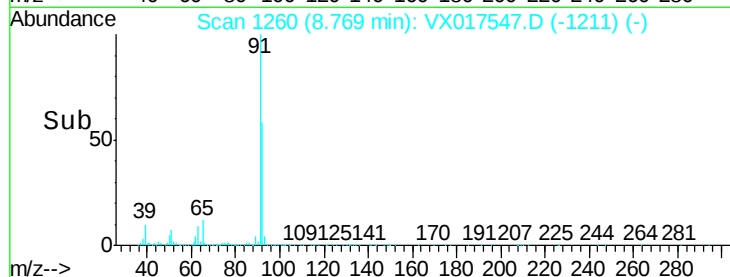
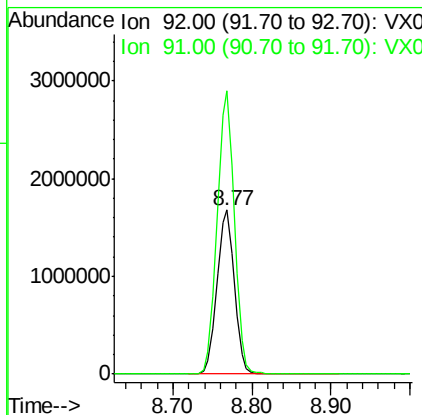
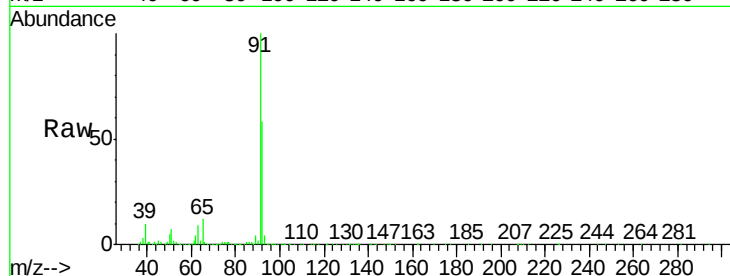
91 171.9 137.6 206.4

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#59

2-Hexanone

Concen: 3.526 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX017547.D

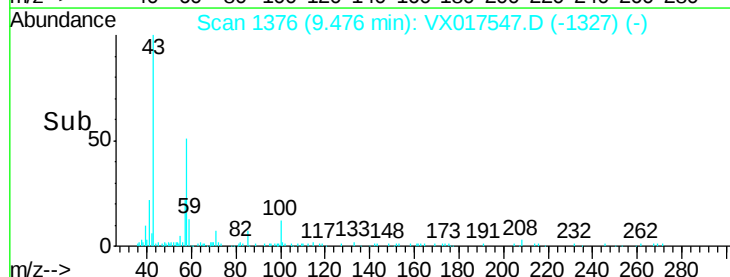
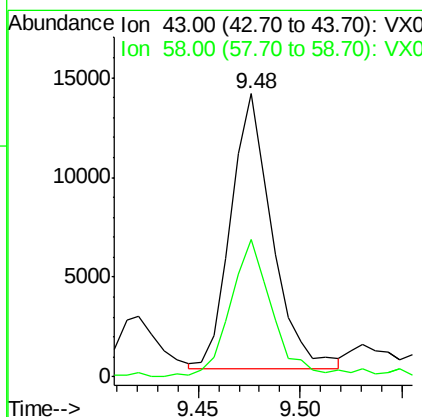
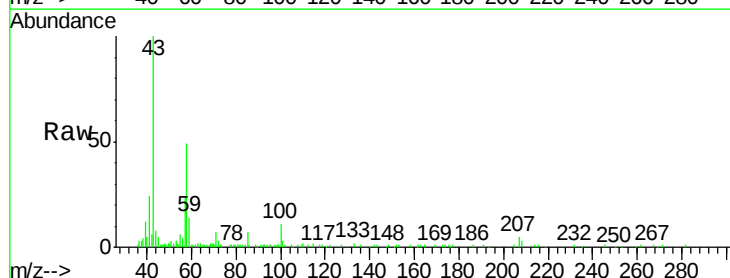
Acq: 24 Jul 2020 16:53

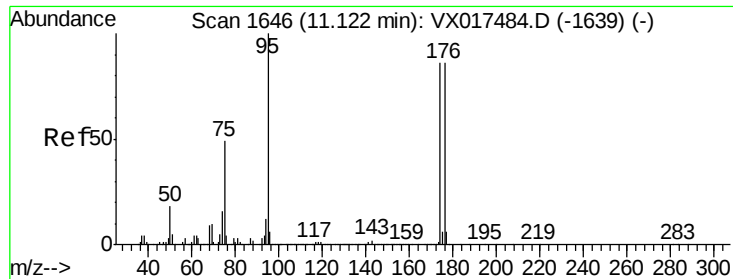
Tgt Ion: 43 Resp: 19413

Ion Ratio Lower Upper

43 100

58 49.8 26.6 79.8





#62

4-Bromofluorobenzene

Concen: 58.275 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

20758

Tgt Ion: 95 Resp: 398294
Ion Ratio Lower Upper

95 100

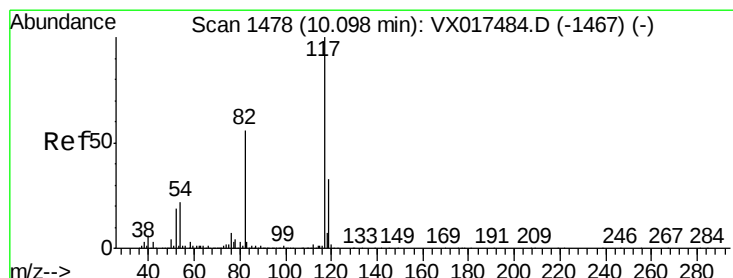
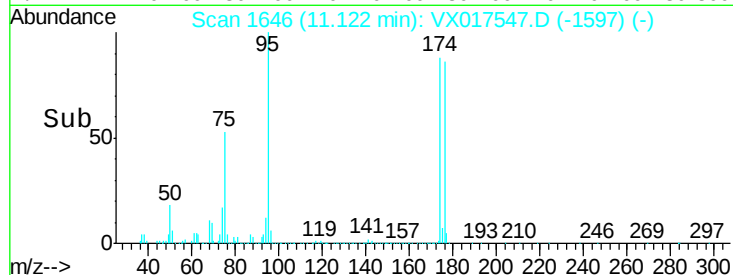
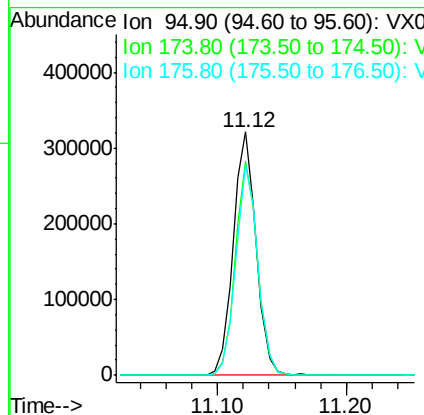
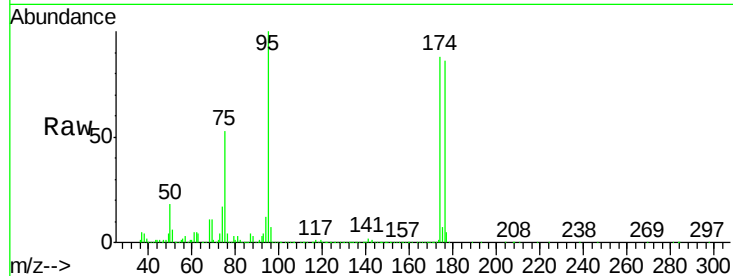
174 85.4 0.0 169.0

176 83.4 0.0 161.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VX017547.D

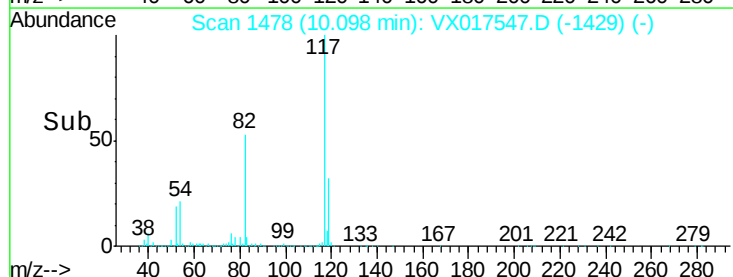
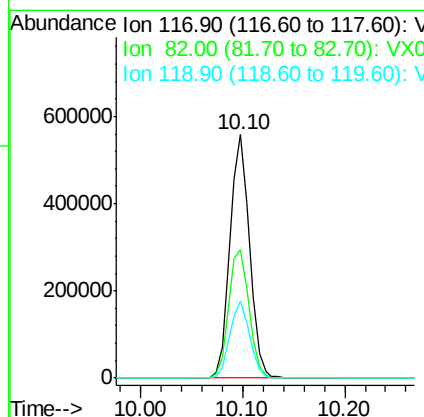
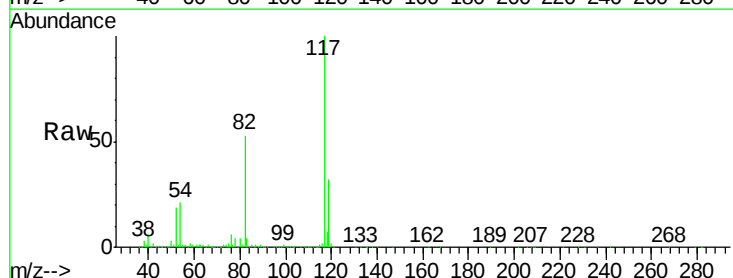
Acq: 24 Jul 2020 16:53

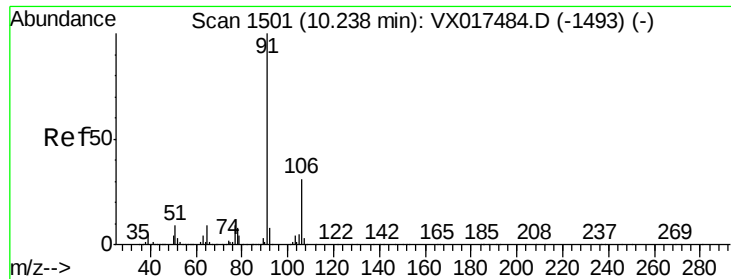
Tgt Ion: 117 Resp: 736807
Ion Ratio Lower Upper

117 100

82 52.6 44.0 66.0

119 31.7 25.4 38.0





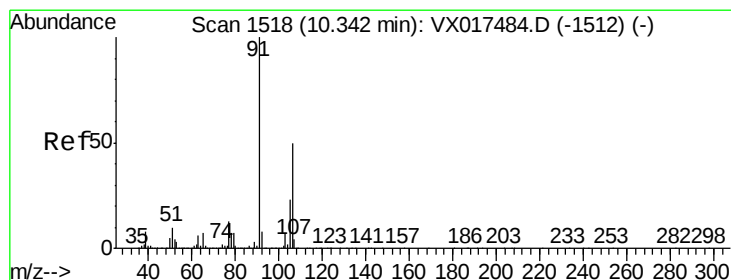
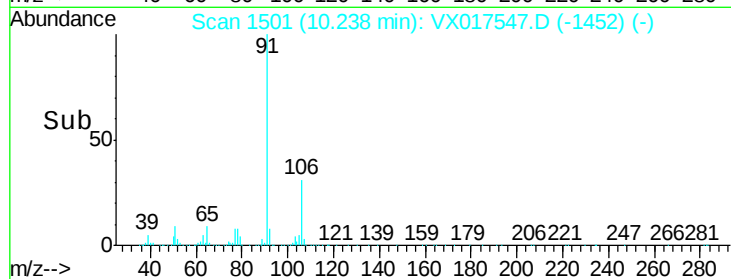
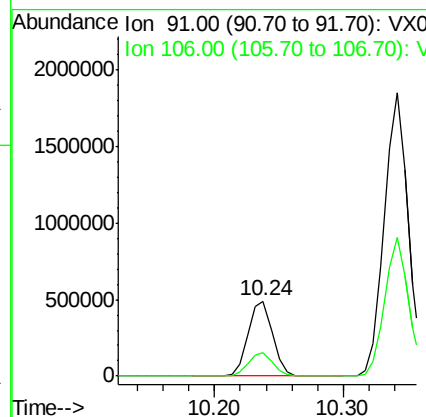
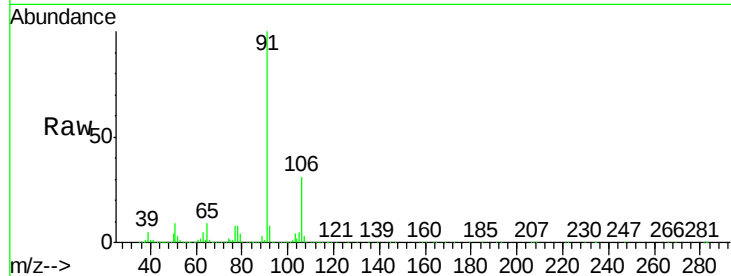
#67
Ethyl Benzene
Concen: 24.093 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
20758

Tgt Ion: 91 Resp: 641407
Ion Ratio Lower Upper
91 100
106 30.8 25.8 38.6

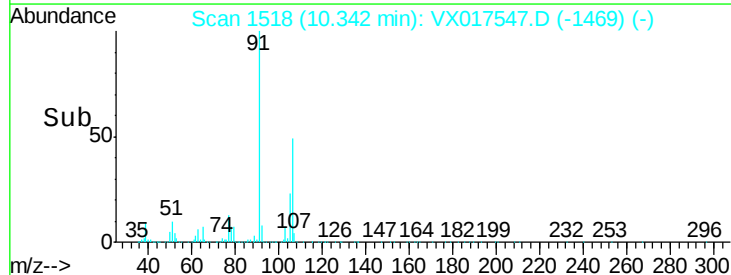
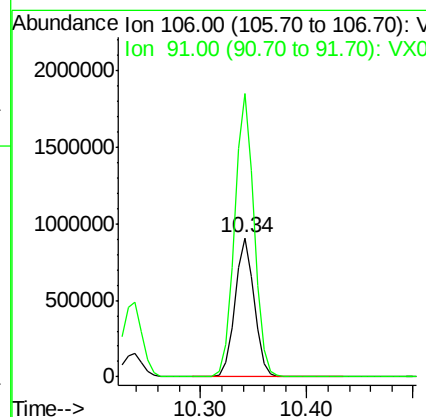
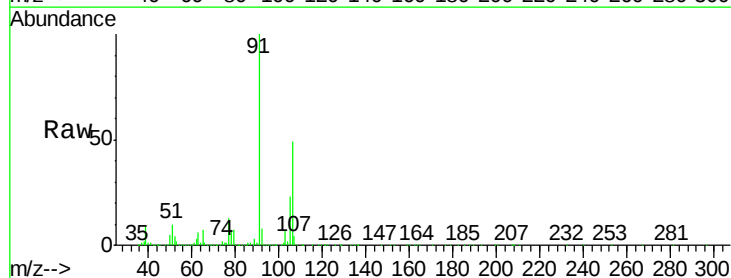
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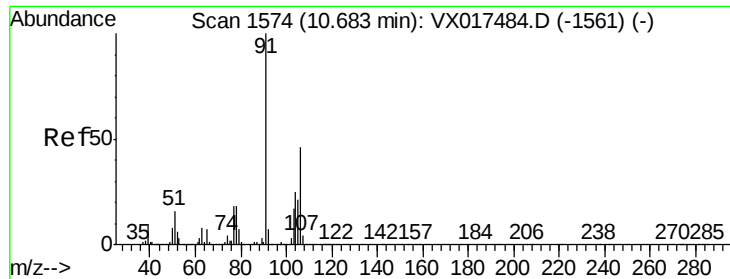
MMDadoda
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#68
m/p-Xylenes
Concen: 111.254 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Tgt Ion: 106 Resp: 1147397
Ion Ratio Lower Upper
106 100
91 206.7 160.9 241.3





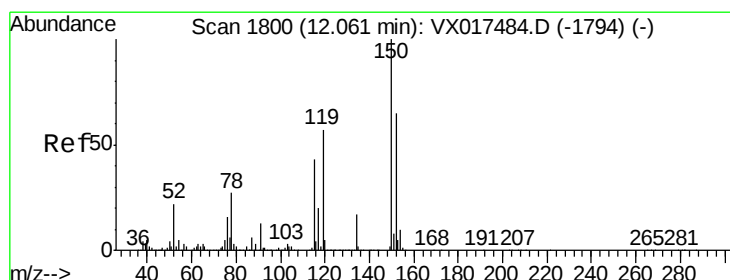
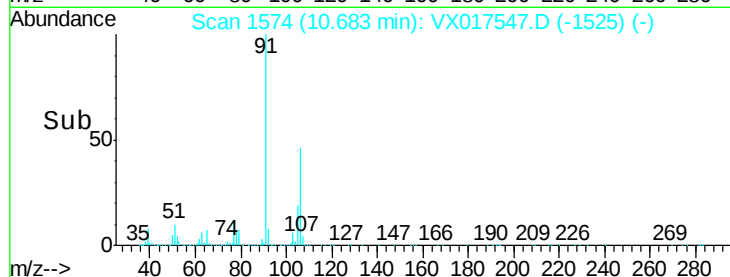
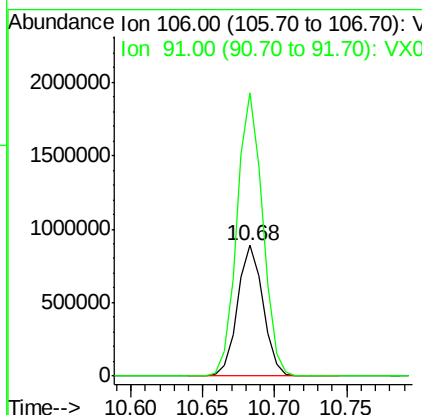
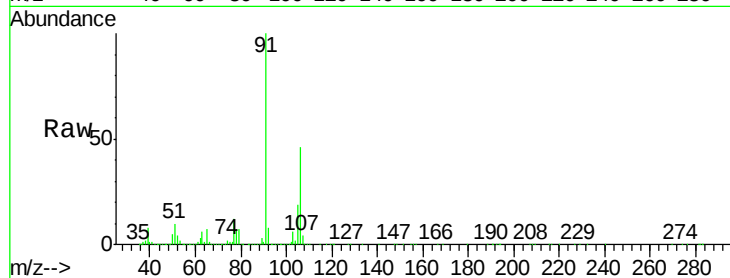
#69
o-Xylene
Concen: 110.674 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Instrument :
MSVOA_X
ClientSampled :
20758

Tgt Ion:106 Resp: 1097783
Ion Ratio Lower Upper
106 100
91 218.3 108.2 324.6

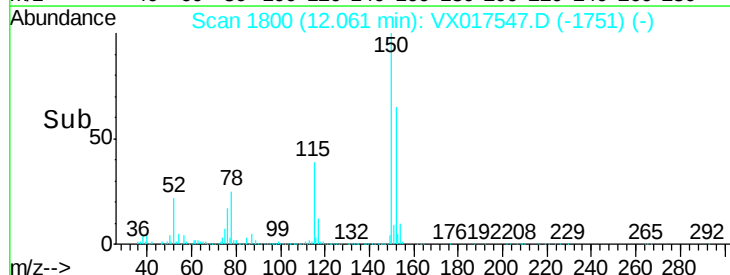
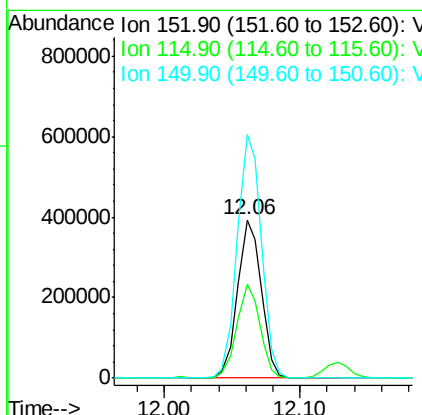
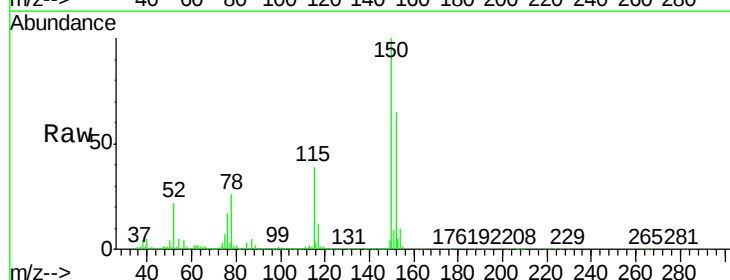
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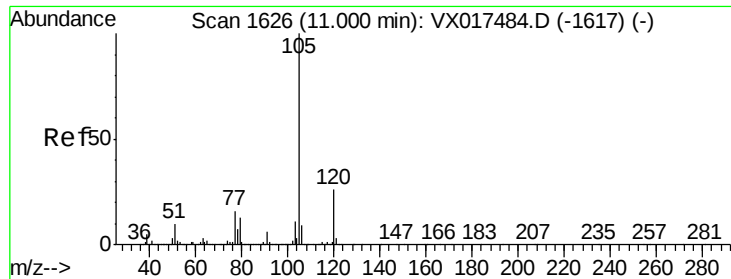
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Tgt Ion:152 Resp: 476383
Ion Ratio Lower Upper
152 100
115 57.8 65.5 196.6#
150 156.4 0.0 412.6





#73

Isopropylbenzene

Concen: 1.382 ug/l

RT: 11.00 min Scan# 1626

Delta R.T. -0.00 min

Lab File: VX017547.D

Acq: 24 Jul 2020 16:53

Instrument :

MSVOA_X

ClientSampleId :

20758

Tgt Ion: 105 Resp: 45155

Ion Ratio Lower Upper

105 100

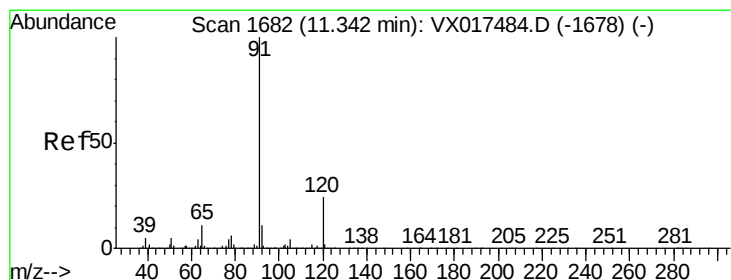
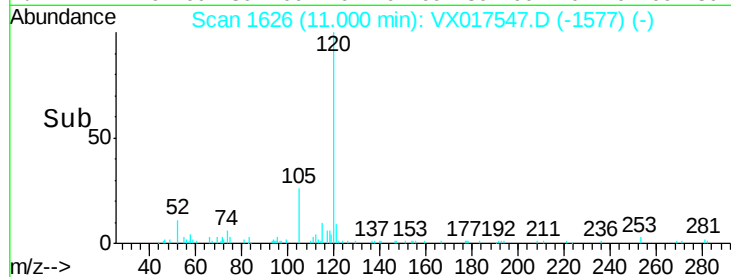
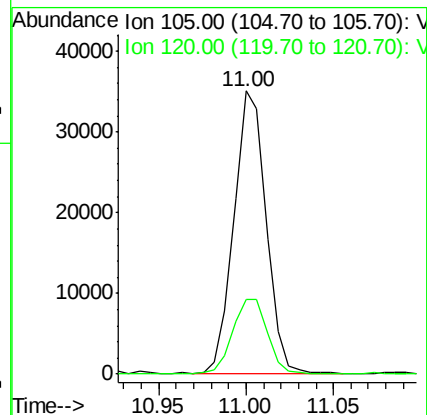
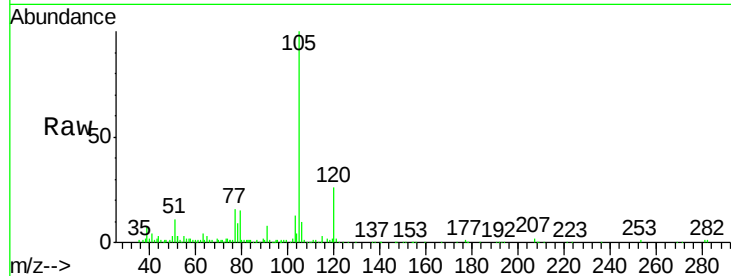
120 28.4 13.3 39.8

Manual Integrations

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#78

n-propylbenzene

Concen: 3.675 ug/l

RT: 11.34 min Scan# 1682

Delta R.T. -0.00 min

Lab File: VX017547.D

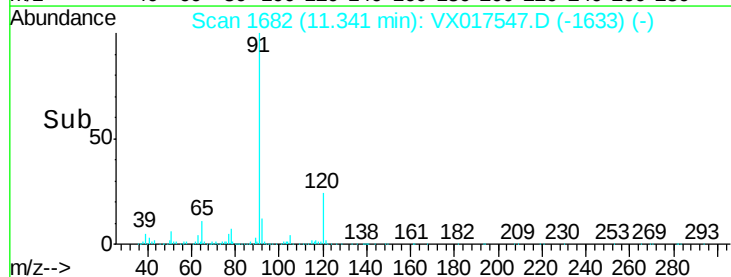
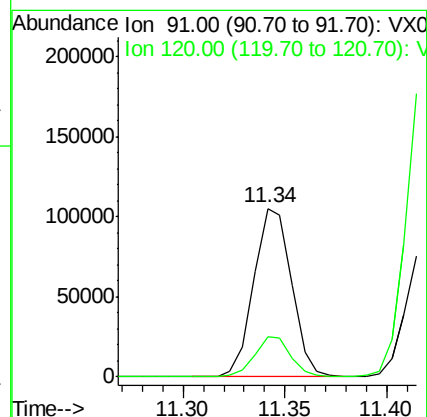
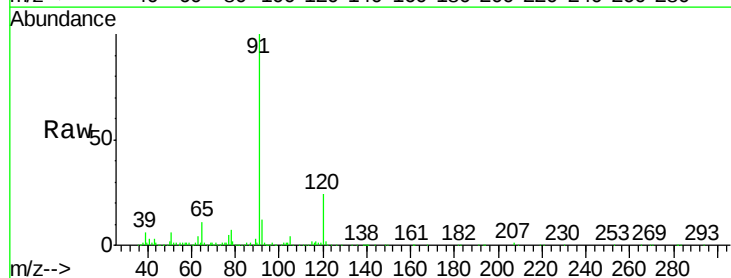
Acq: 24 Jul 2020 16:53

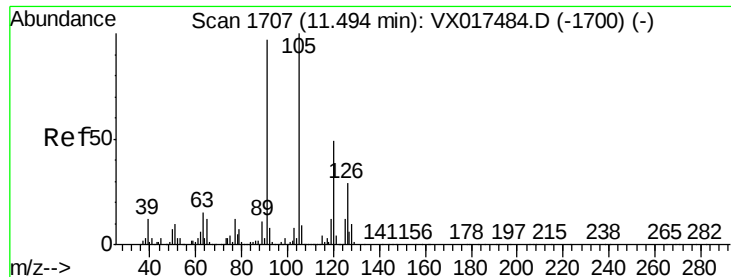
Tgt Ion: 91 Resp: 135456

Ion Ratio Lower Upper

91 100

120 22.9 12.2 36.4





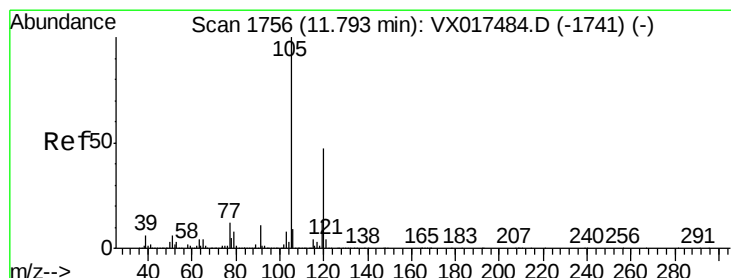
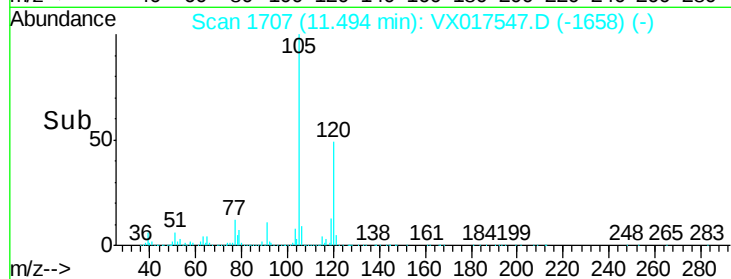
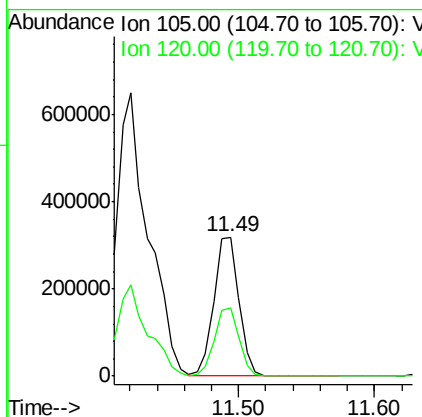
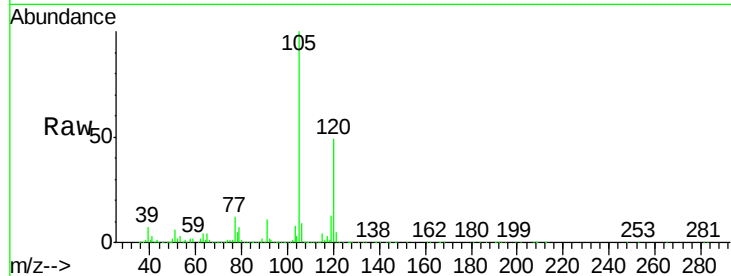
#80
 1,3,5-Trimethylbenzene
 Concen: 14.574 ug/l
 RT: 11.49 min Scan# 1707
 Delta R.T. -0.00 min
 Lab File: VX017547.D
 Acq: 24 Jul 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 20758

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.1	72.3

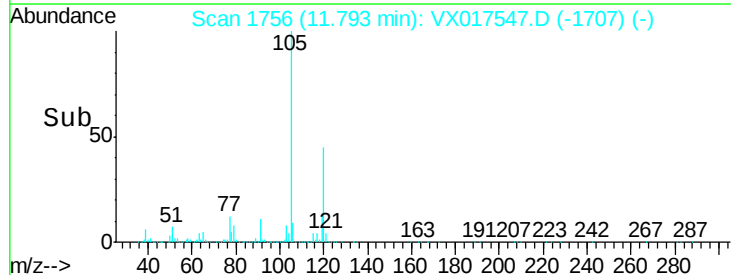
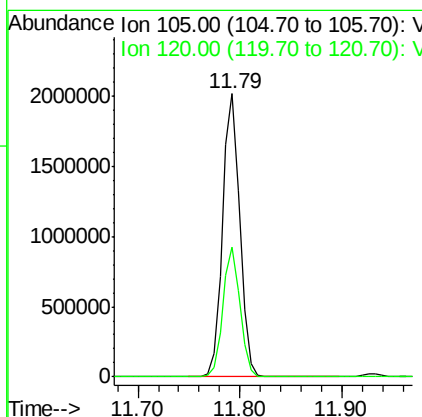
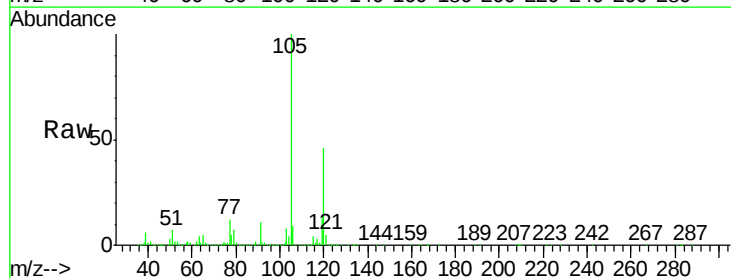
Manual Integrations
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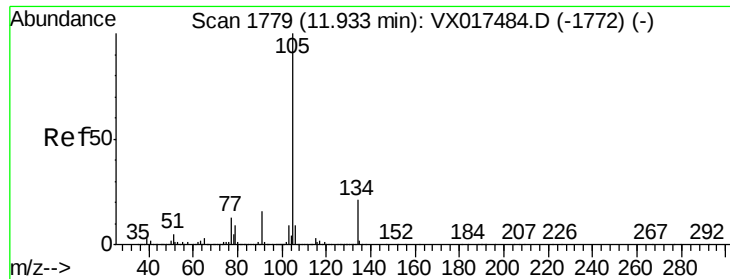
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#84
 1,2,4-Trimethylbenzene
 Concen: 85.681 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017547.D
 Acq: 24 Jul 2020 16:53

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.0





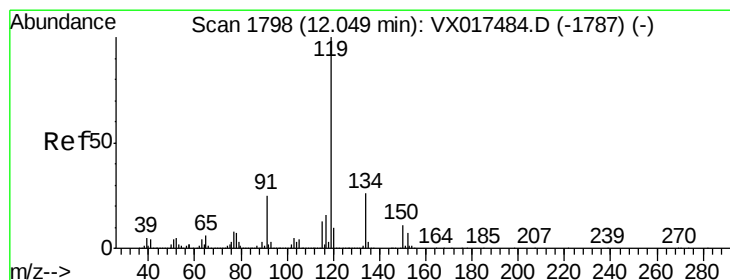
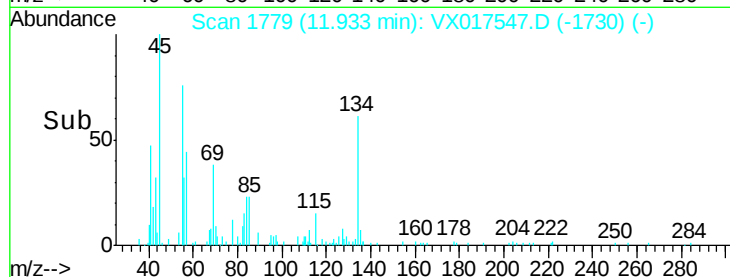
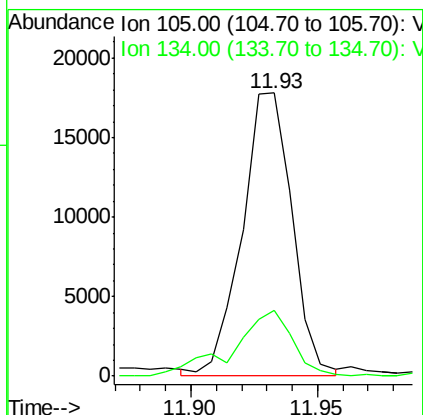
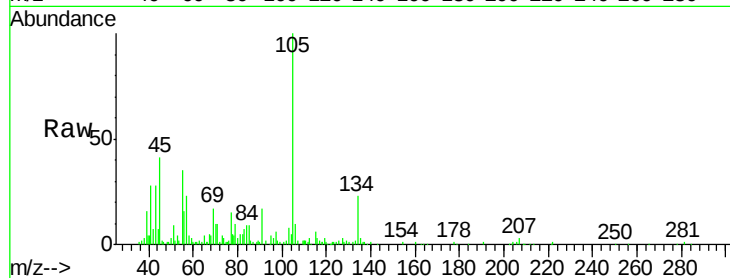
#85
 sec-Butylbenzene
 Concen: 0.785 ug/l m
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX017547.D
 Acq: 24 Jul 2020 16:53

Instrument :
 MSVOA_X
 ClientSampleId :
 20758

Tgt Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.4	31.2#

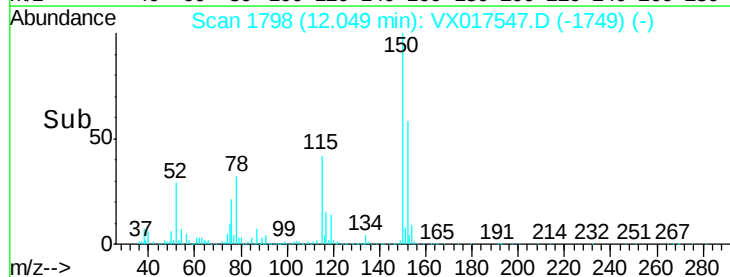
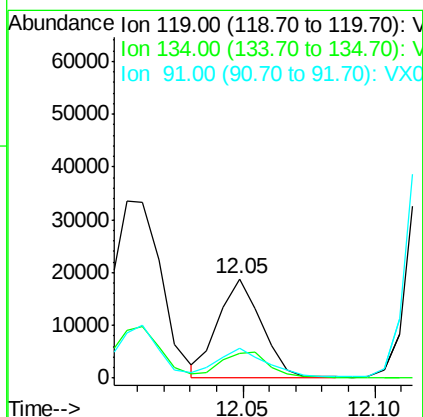
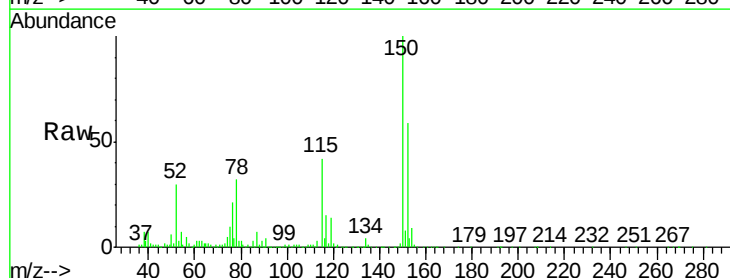
Manual Integrations
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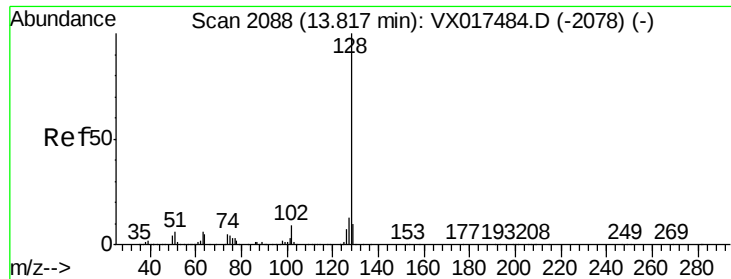
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#86
 p-Isopropyltoluene
 Concen: 0.728 ug/l m
 RT: 12.05 min Scan# 1798
 Delta R.T. -0.00 min
 Lab File: VX017547.D
 Acq: 24 Jul 2020 16:53

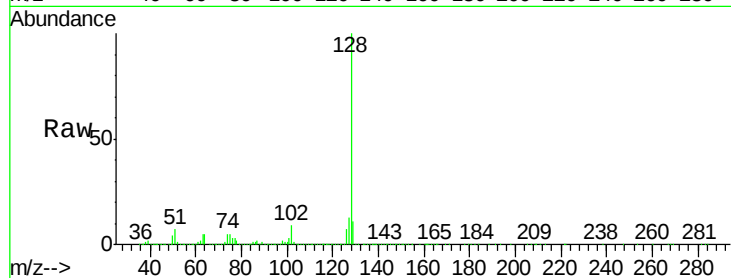
Tgt Ion	Ratio	Lower	Upper
119	100		
134	57.1	13.1	39.3#
91	51.8	12.1	36.3#





#95
Naphthalene
Concen: 86.870 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017547.D
Acq: 24 Jul 2020 16:53

Instrument :
MSVOA_X
ClientSampleId :
20758



Tgt Ion:128 Resp: 2732905
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.9 13.3

Manual Integrations
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