

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX072820\
 Data File : VX017662.D
 Acq On : 28 Jul 2020 18:44
 Operator : JC/SP
 Sample : L3413-08
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40956

Manual Integrations
 APPROVED

MMDadoda
 7/29/2020 10:49:43 AM

Quant Time: Jul 29 03:55:40 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	5.63	168	518619	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.84	114	860806	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	902100	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	539005	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.04	65	344653	51.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.48%	
35) Dibromofluoromethane	5.48	113	281451	48.89	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.78%	
50) Toluene-d8	8.70	98	1077578	51.88	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.76%	
62) 4-Bromofluorobenzene	11.12	95	478042	57.51	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.02%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.07	59	109533	78.012	ug/l	96
16) Acetone	2.46	43	6607110	2253.346	ug/l	97
18) Methyl Acetate	2.77	43	95627	13.848	ug/l	96
19) Methyl tert-butyl Ether	3.18	73	527557	28.454	ug/l	98
22) Diisopropyl ether	3.83	45	153711	8.595	ug/l #	88
25) 2-Butanone	4.65	43	1631953	391.788	ug/l	97
31) Cyclohexane	5.55	56	39434	4.800	ug/l	99
37) Ethyl Acetate	4.81	43	15139446	1675.976	ug/l	98
39) Methylcyclohexane	7.44	83	17114	1.776	ug/l	92
40) Benzene	6.12	78	11228323	474.383	ug/l	99
51) 4-Methyl-2-Pentanone	8.63	43	34181	3.844	ug/l	97
52) Toluene	8.77	92	11748637	773.977	ug/l	77
59) 2-Hexanone	9.48	43	47524	7.098	ug/l	98
60) Dibromochloromethane	9.57	129	4351	0.541	ug/l	83
67) Ethyl Benzene	10.24	91	1611105	49.429	ug/l	100
68) m/p-Xylenes	10.34	106	2315326	183.363	ug/l	97
69) o-Xylene	10.68	106	1406047	115.778	ug/l	99
73) Isopropylbenzene	11.01	105	94053	2.544	ug/l	99
78) n-propylbenzene	11.34	91	274673	6.586	ug/l	98
80) 1,3,5-Trimethylbenzene	11.49	105	604515	19.148	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	3194814	101.742	ug/l	99
85) sec-Butylbenzene	11.93	105	20353m	0.578	ug/l	
86) p-Isopropyltoluene	12.05	119	16141m	0.482	ug/l	
95) Naphthalene	13.82	128	2182045	61.302	ug/l	100

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

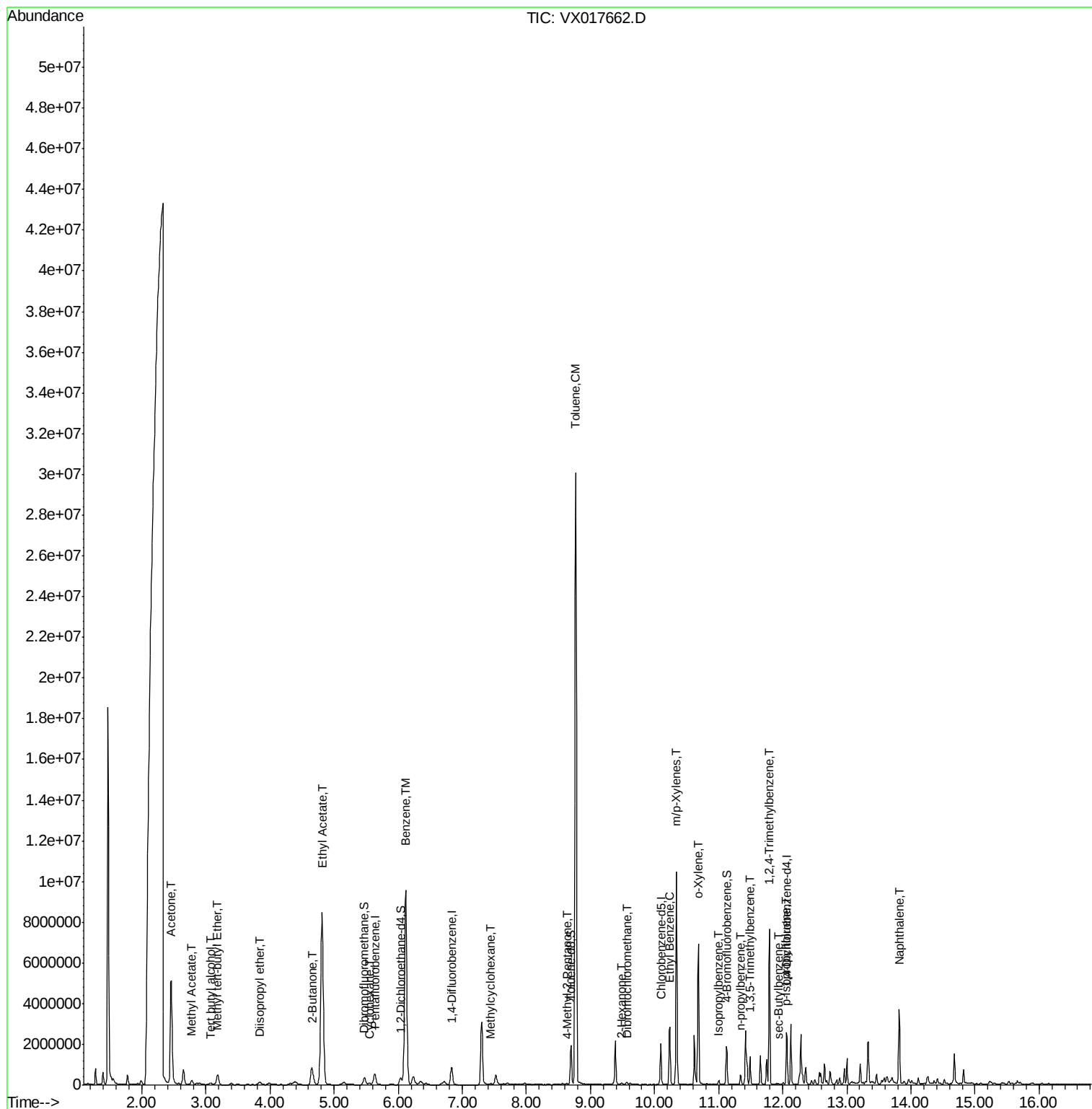
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX072820\
Data File : VX017662.D
Acq On : 28 Jul 2020 18:44
Operator : JC/SP
Sample : L3413-08
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 20 Sample Multiplier: 1

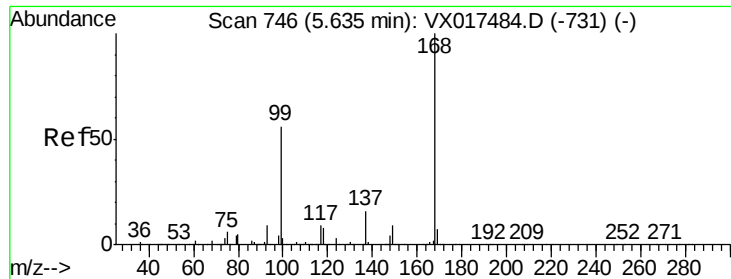
Instrument :
MSVOA_X
ClientSampleId :
40956

Manual Integrations
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7/29/2020 10:49:43 AM

Quant Time: Jul 29 03:55:40 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

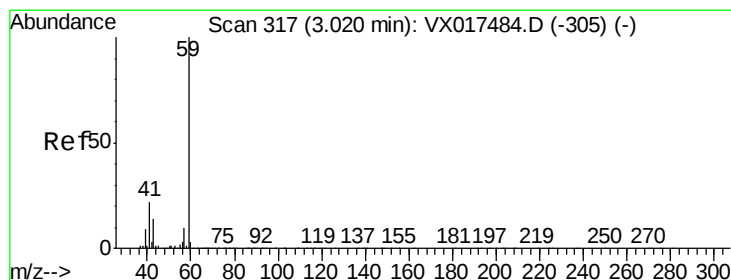
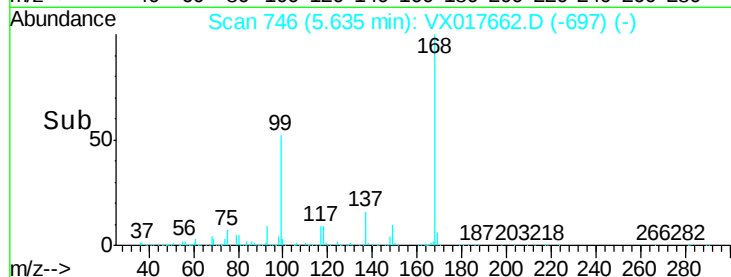
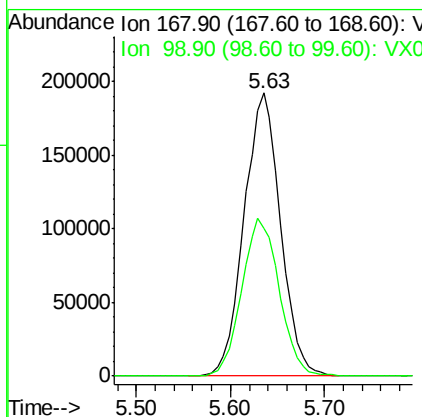
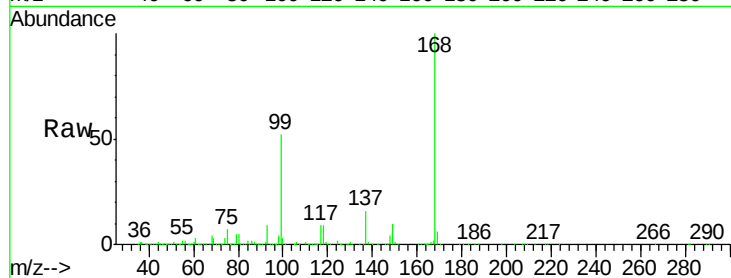
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.63 min Scan# 746
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion	Ratio	Lower	Upper
168	100		
99	52.3	43.4	65.2

Manual Integrations
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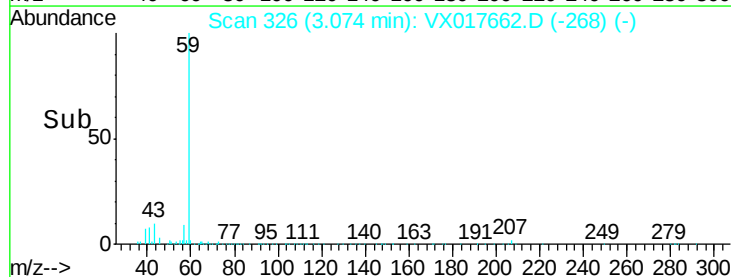
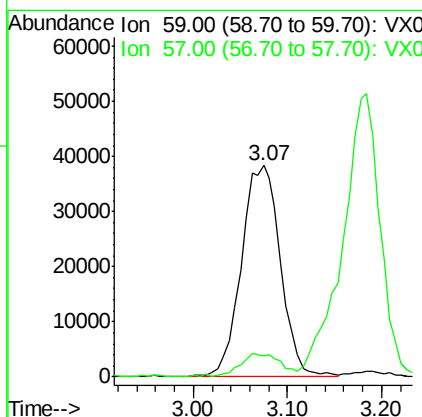
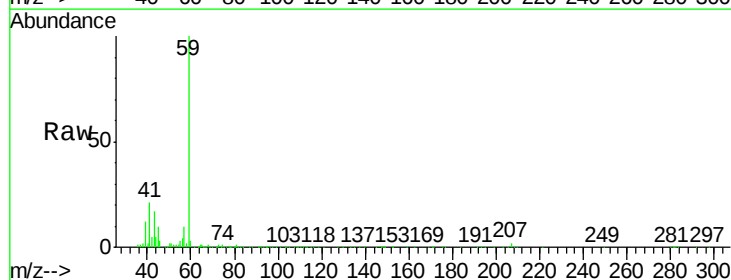
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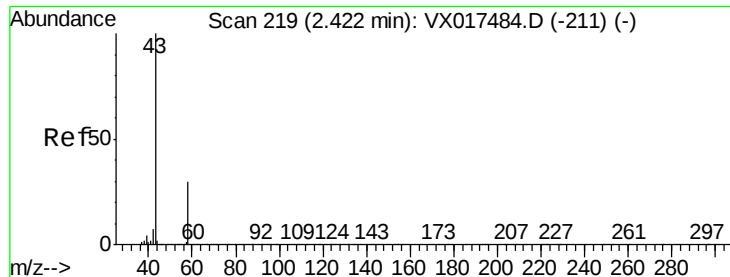


#11

Tert butyl alcohol
Concen: 78.012 ug/l
RT: 3.07 min Scan# 326
Delta R.T. 0.05 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
59	100		
57	12.3	8.6	12.8





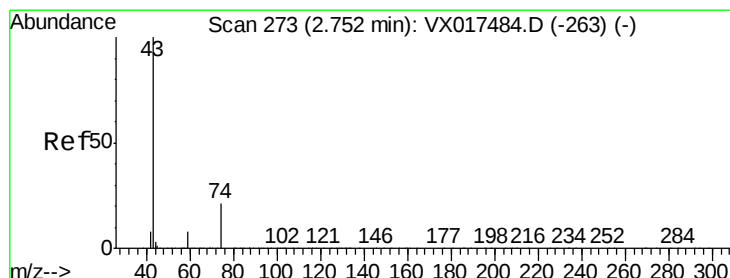
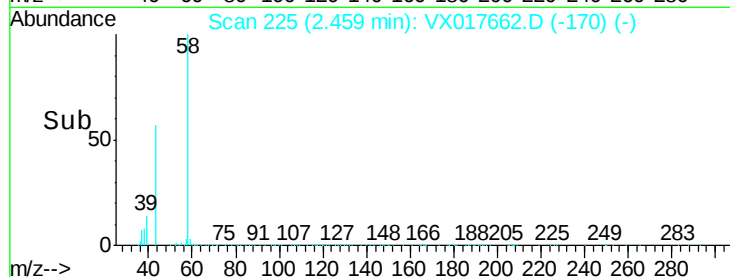
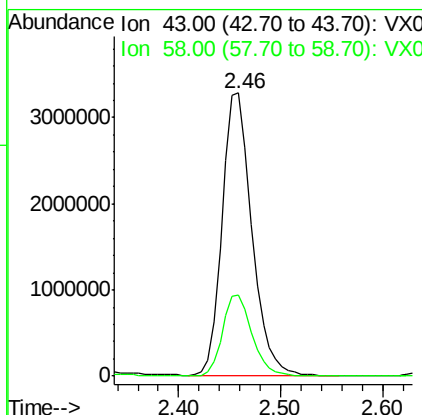
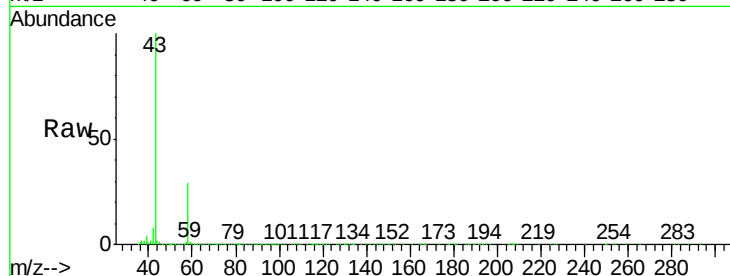
#16
Acetone
Concen: 2253.346 ug/l
RT: 2.46 min Scan# 225
Delta R.T. 0.04 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion: 43 Resp: 6607110
Ion Ratio Lower Upper
43 100
58 28.7 24.2 36.4

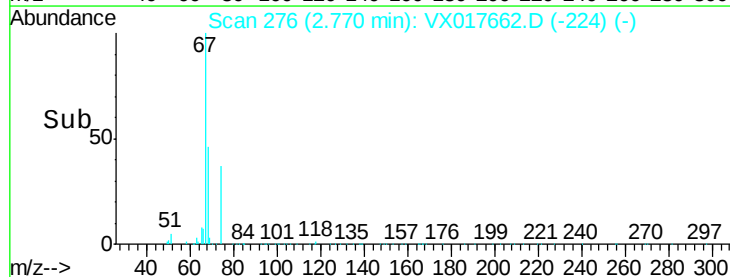
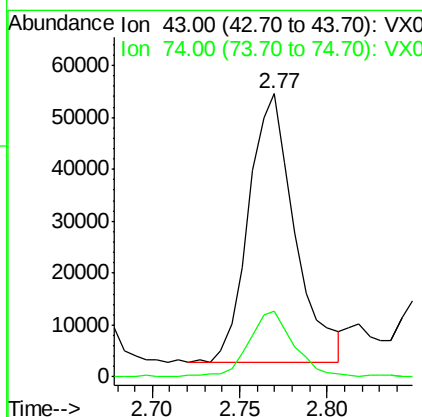
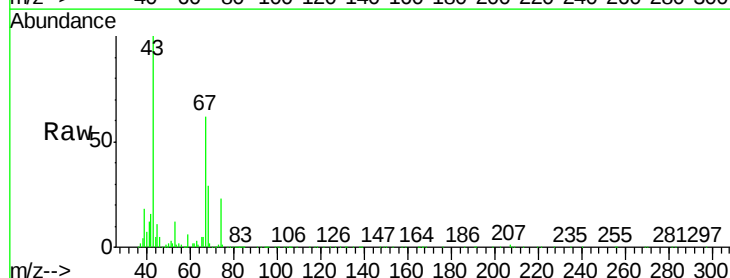
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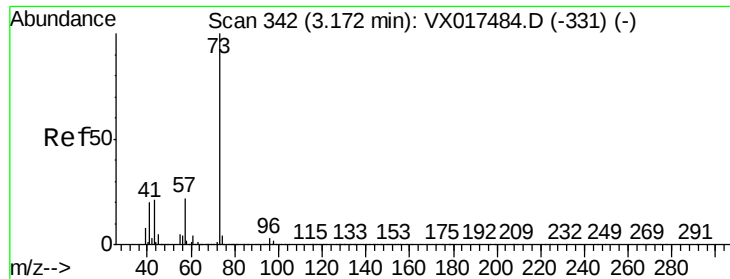
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#18
Methyl Acetate
Concen: 13.848 ug/l
RT: 2.77 min Scan# 276
Delta R.T. 0.02 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion: 43 Resp: 95627
Ion Ratio Lower Upper
43 100
74 23.8 17.5 26.3





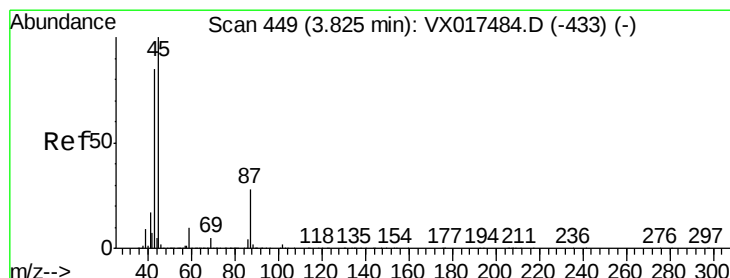
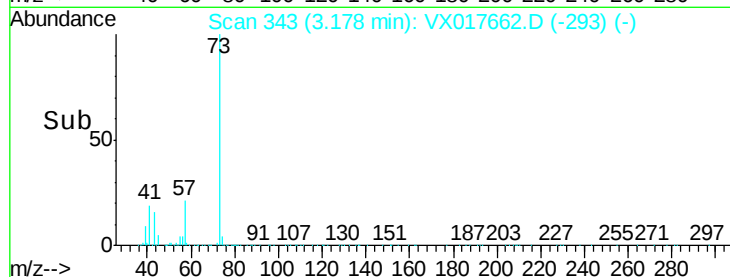
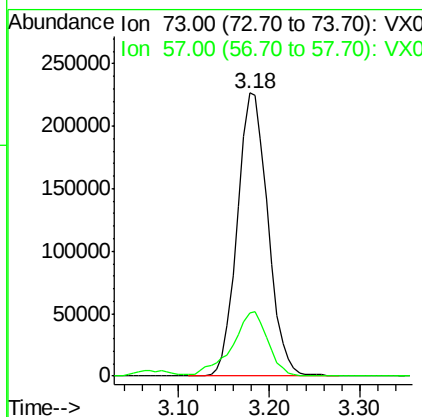
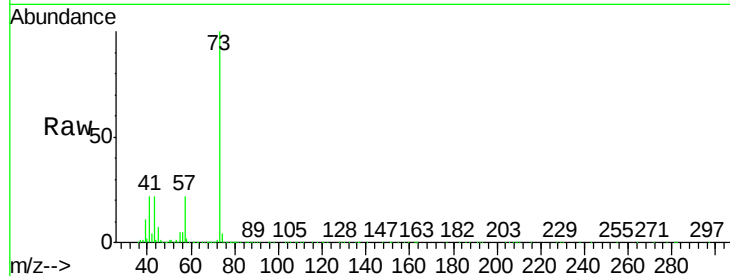
#19
Methyl tert-butyl Ether
Concen: 28.454 ug/l
RT: 3.18 min Scan# 343
Delta R.T. 0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion	Ratio	Lower	Upper
73	100		
57	22.2	17.0	25.4

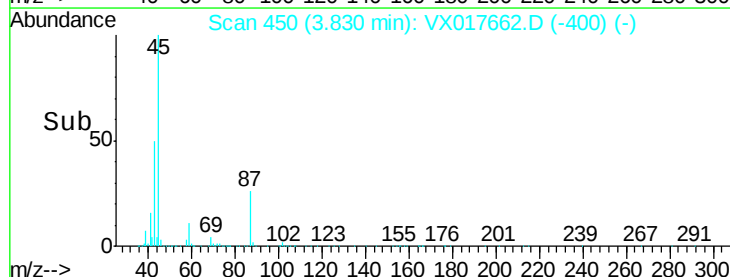
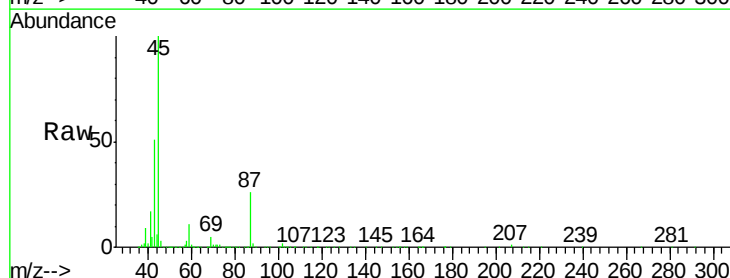
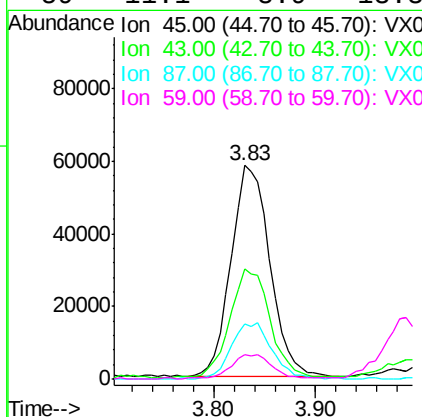
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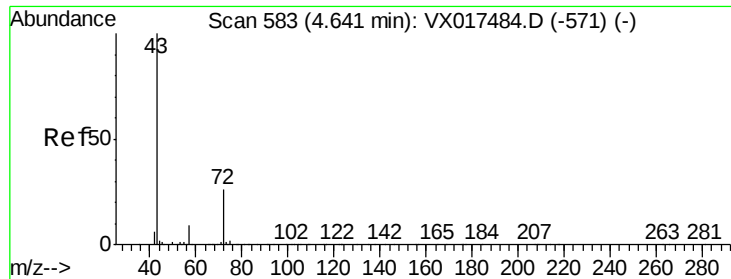
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#22
Diisopropyl ether
Concen: 8.595 ug/l
RT: 3.83 min Scan# 450
Delta R.T. 0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
45	100		
43	51.0	52.0	78.0#
87	25.6	22.2	33.4
59	11.1	8.9	13.3





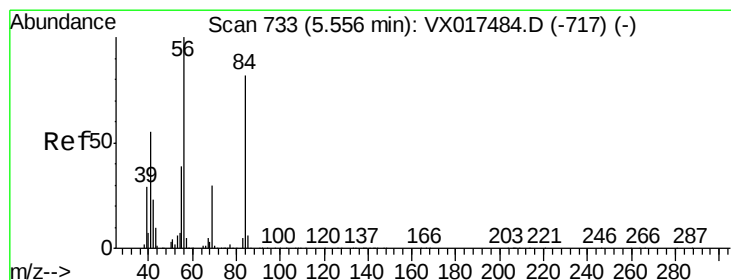
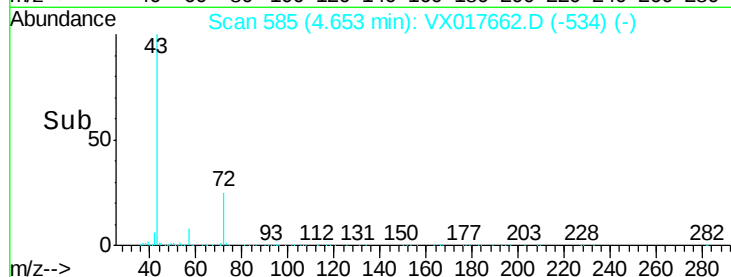
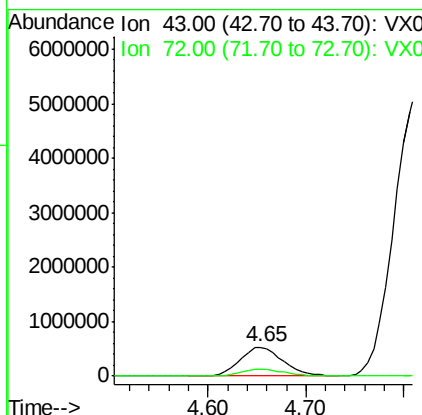
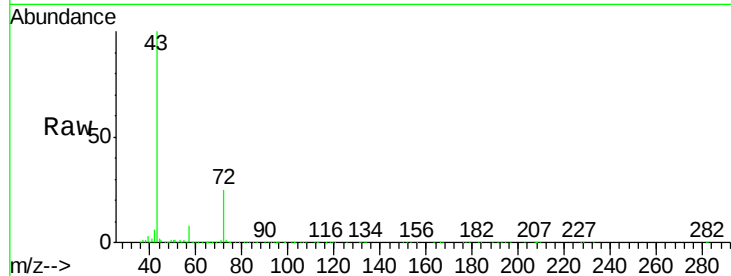
#25
2-Butanone
Concen: 391.788 ug/l
RT: 4.65 min Scan# 585
Delta R.T. 0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion: 43 Resp: 1631953
Ion Ratio Lower Upper
43 100
72 25.2 19.0 28.4

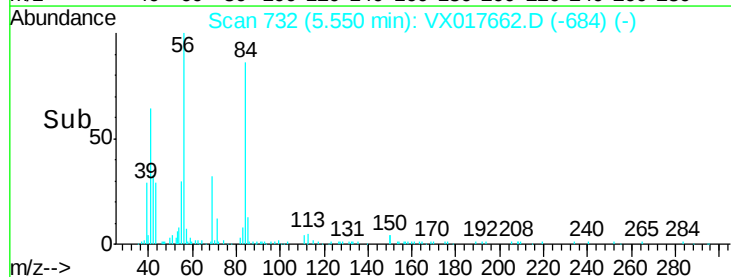
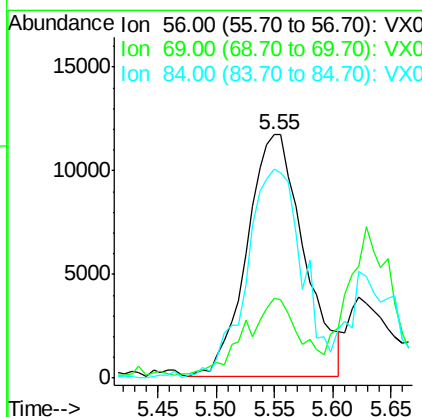
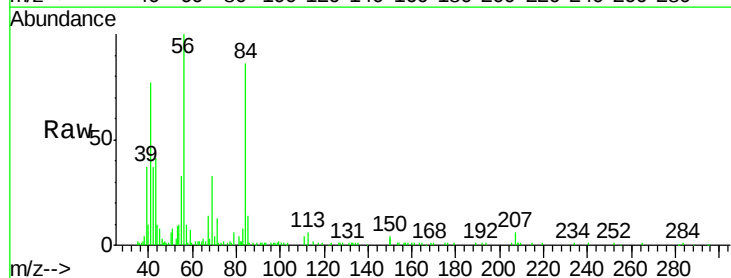
Manual Integrations
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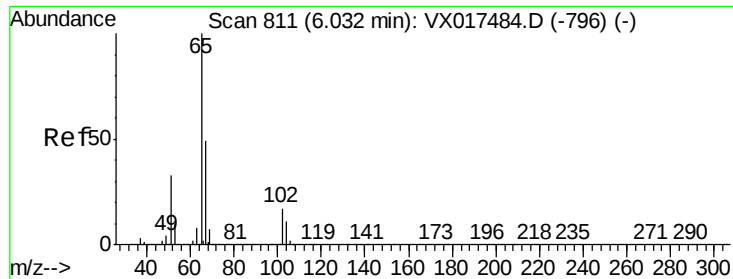
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#31
Cyclohexane
Concen: 4.800 ug/l
RT: 5.55 min Scan# 732
Delta R.T. -0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion: 56 Resp: 39434
Ion Ratio Lower Upper
56 100
69 31.0 24.2 36.4
84 85.4 69.0 103.6





#33

1,2-Dichloroethane-d4

Concen: 51.735 ug/l

RT: 6.04 min Scan# 812

Delta R.T. 0.01 min

Lab File: VX017662.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampled :

40956

Tgt Ion: 65 Resp: 344653

Ion Ratio Lower Upper

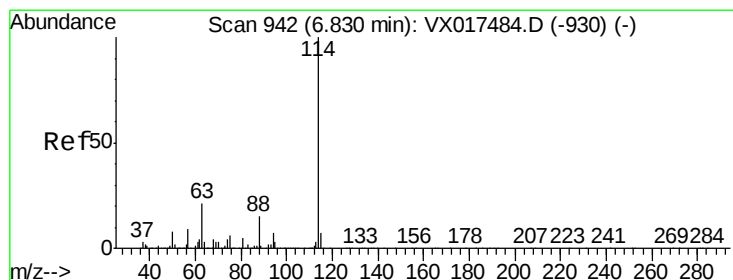
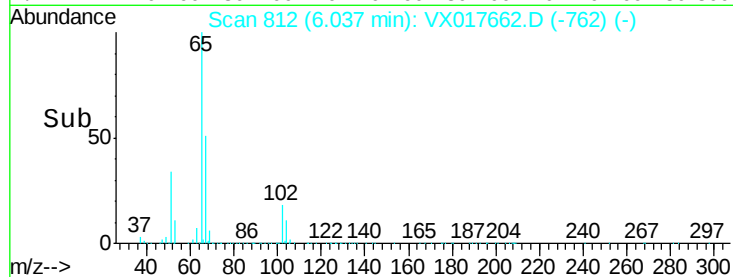
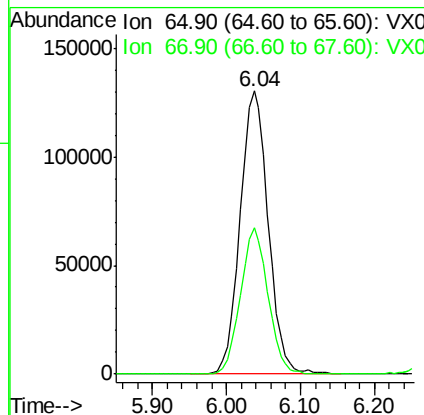
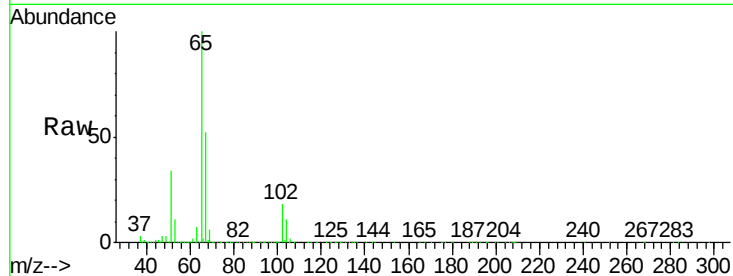
65 100

67 50.5 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: VX017662.D

Acq: 28 Jul 2020 18:44

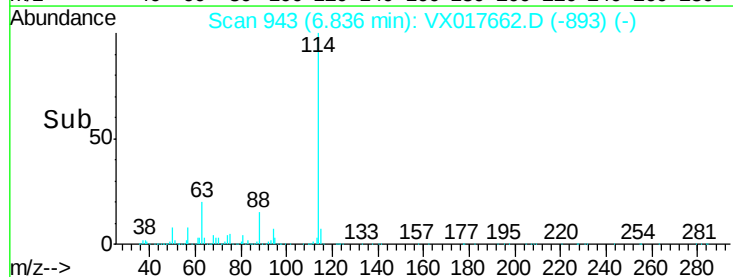
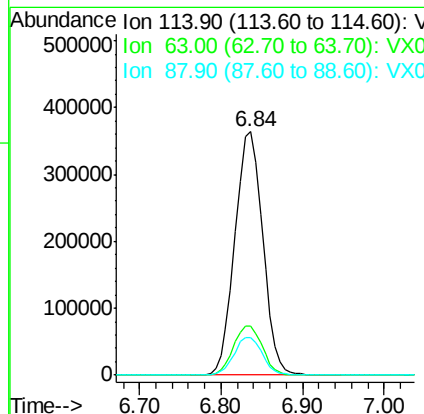
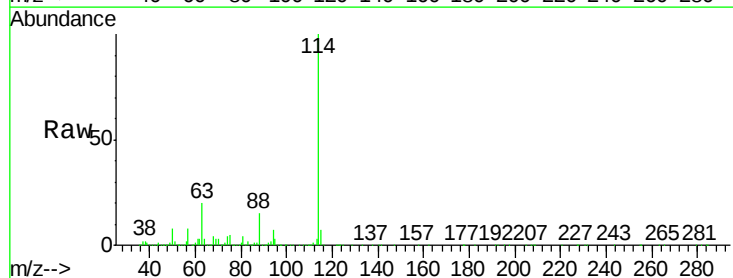
Tgt Ion: 114 Resp: 860806

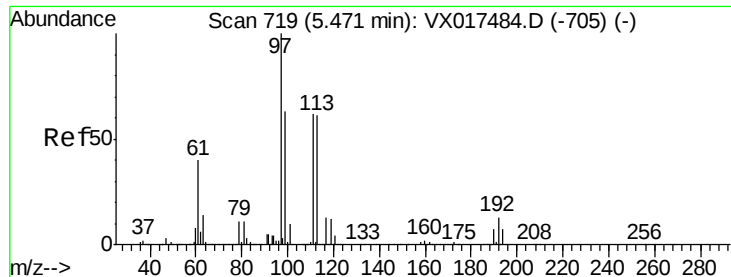
Ion Ratio Lower Upper

114 100

63 20.0 0.0 40.6

88 15.4 0.0 33.4





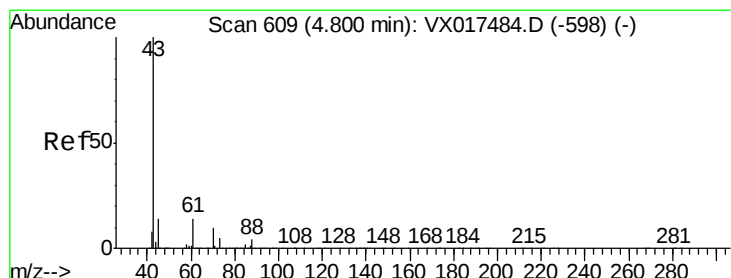
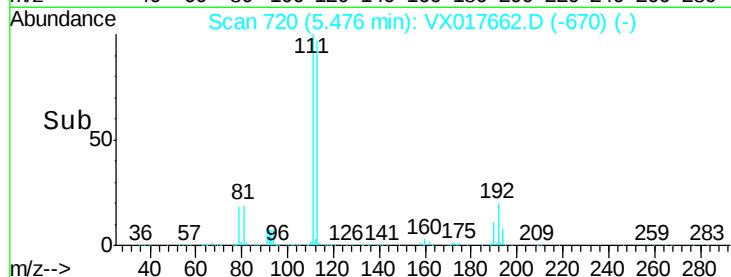
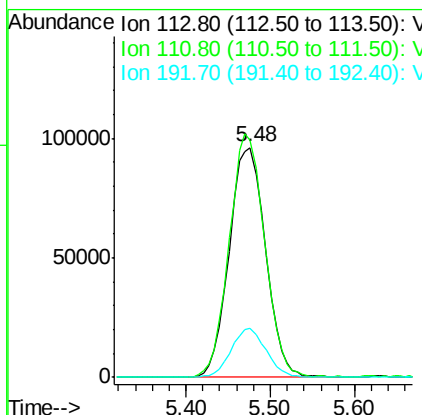
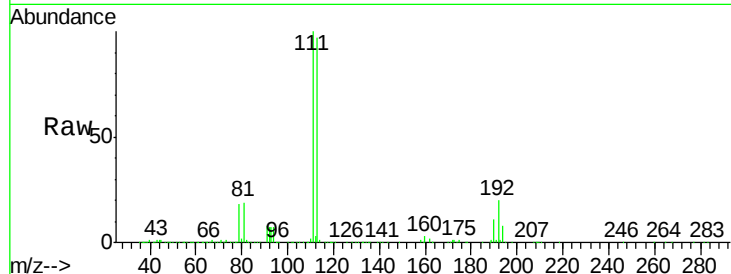
#35
Dibromofluoromethane
Concen: 48.887 ug/l
RT: 5.48 min Scan# 720
Delta R.T. 0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	281451		
111	103.5	80.7	121.1	
192	20.6	16.9	25.3	

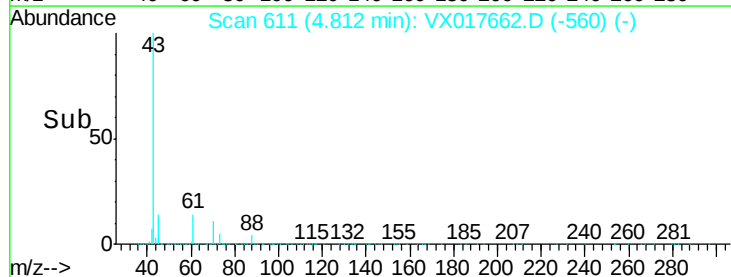
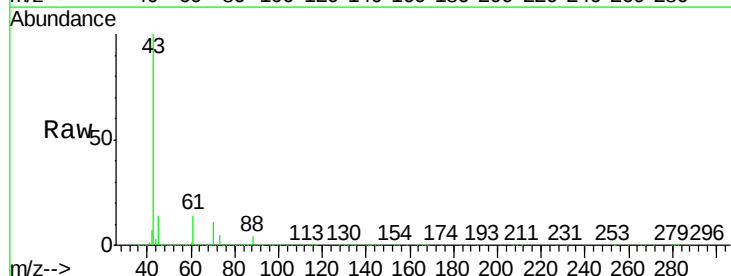
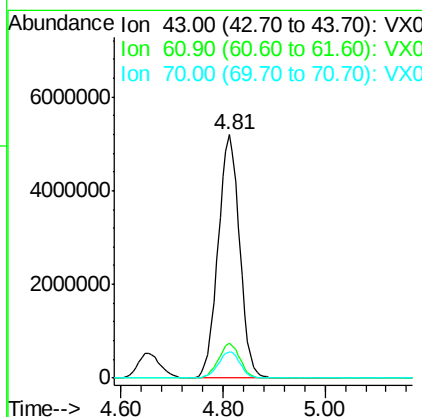
Manual Integrations
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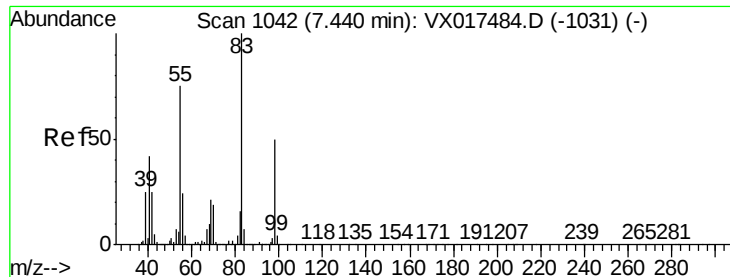
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7/29/2020 10:49:43 AM



#37
Ethyl Acetate
Concen: 1675.976 ug/l
RT: 4.81 min Scan# 611
Delta R.T. 0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	15139446		
61	14.2	10.7	16.1	
70	11.0	8.5	12.7	





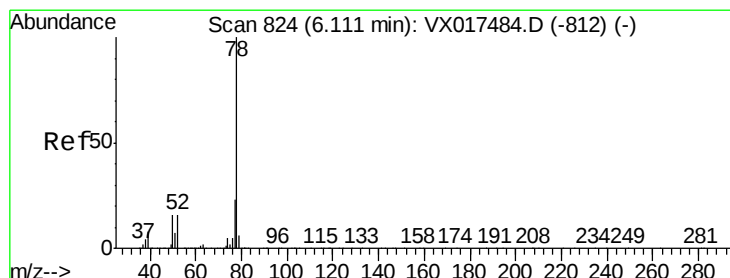
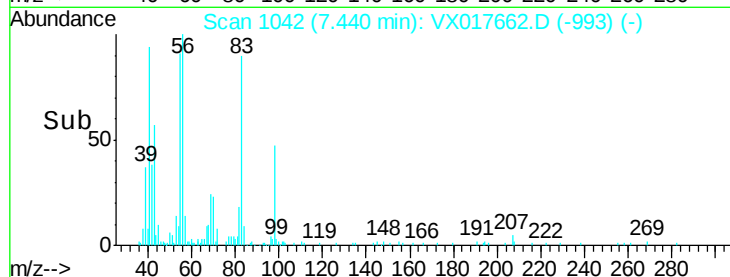
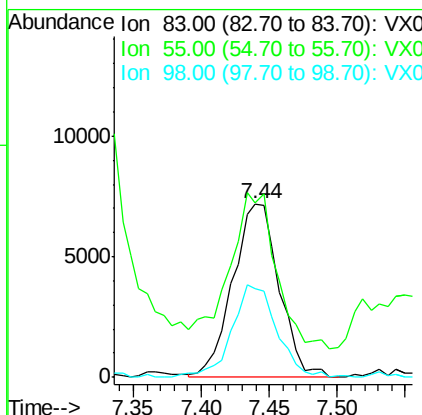
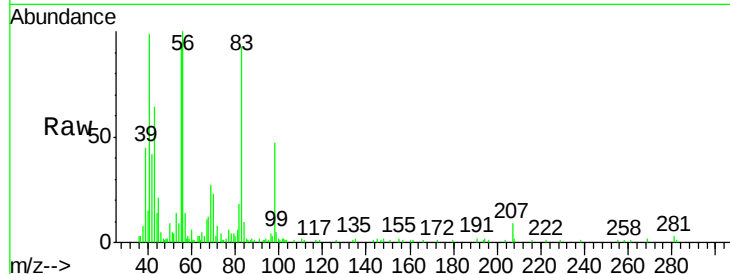
#39
Methylcyclohexane
Concen: 1.776 ug/l
RT: 7.44 min Scan# 1042
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion	Ratio	Lower	Upper
83	100		
55	84.7	61.8	92.8
98	50.3	36.9	55.3

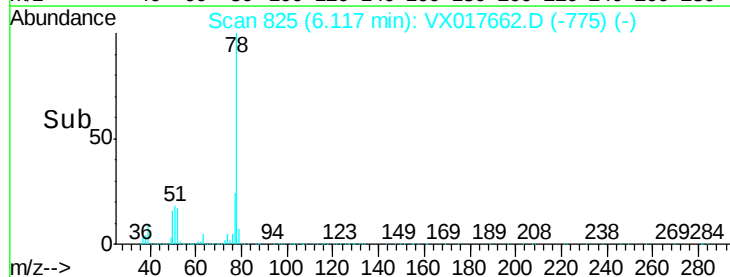
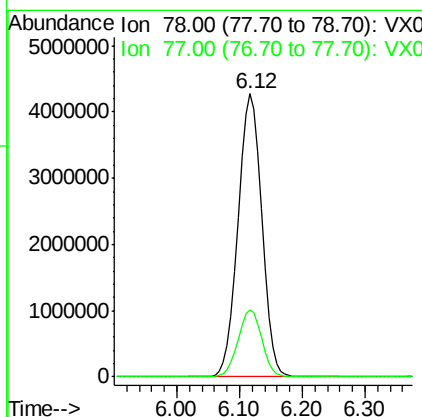
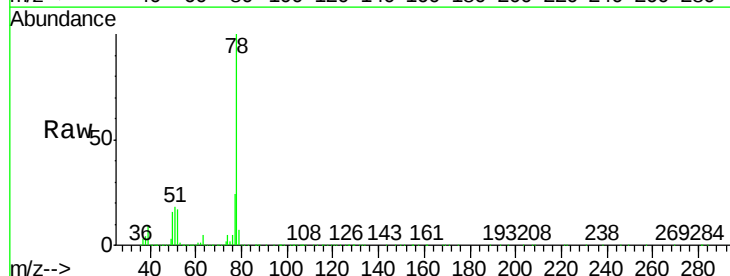
Manual Integrations
APPROVED

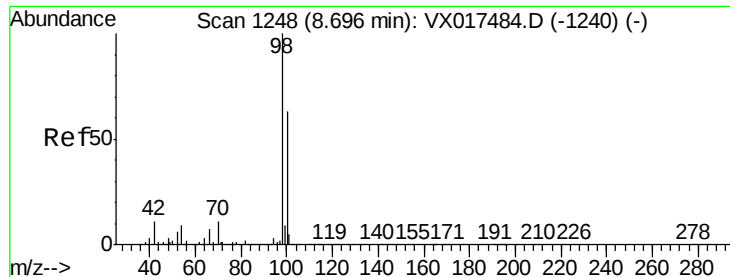
MMDadoda
7/29/2020 10:49:43 AM



#40
Benzene
Concen: 474.383 ug/l
RT: 6.12 min Scan# 825
Delta R.T. 0.01 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.8	19.4	29.2





#50

Toluene-d8

Concen: 51.885 ug/l

RT: 8.70 min Scan# 1248

Delta R.T. -0.00 min

Lab File: VX017662.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

40956

Tgt Ion: 98 Resp: 1077578

Ion Ratio Lower Upper

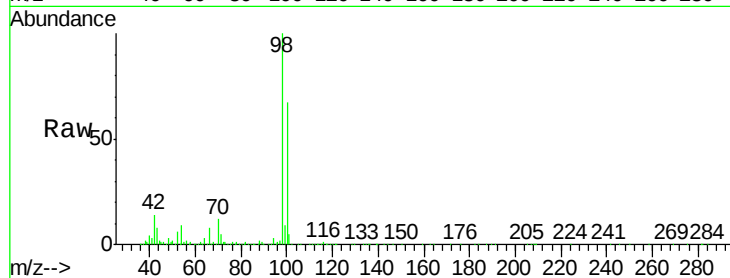
98 100

100 64.9 52.3 78.5

Manual Integrations
APPROVED

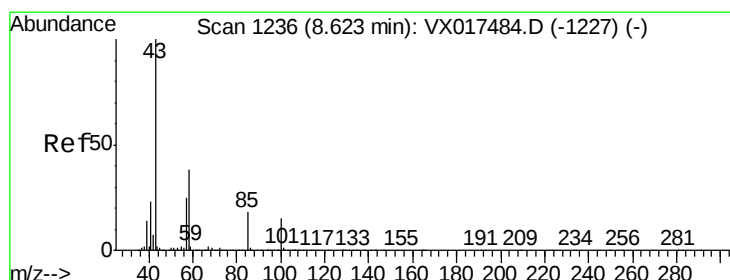
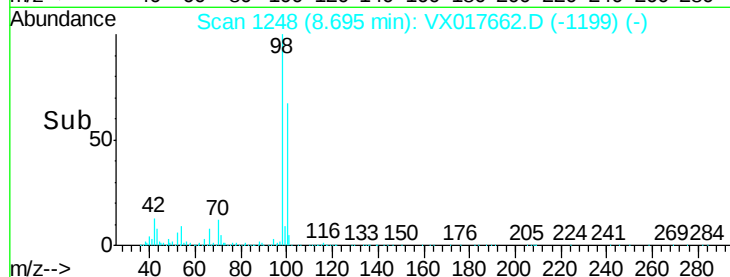
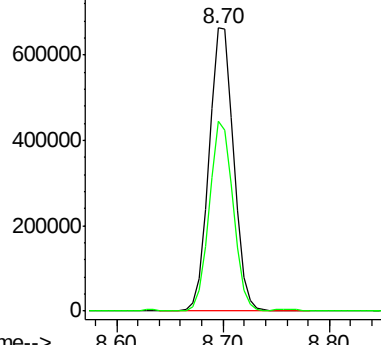
MMDadoda

7/29/2020 10:49:43 AM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0



#51

4-Methyl-2-Pentanone

Concen: 3.844 ug/l

RT: 8.63 min Scan# 1237

Delta R.T. 0.01 min

Lab File: VX017662.D

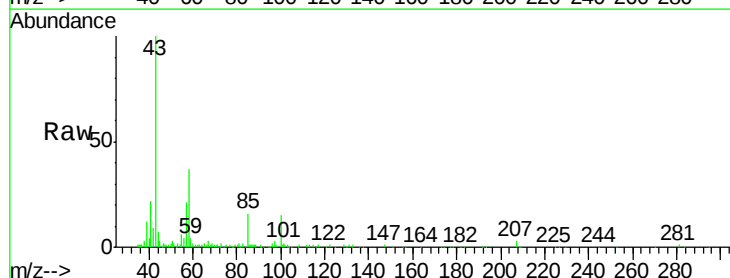
Acq: 28 Jul 2020 18:44

Tgt Ion: 43 Resp: 34181

Ion Ratio Lower Upper

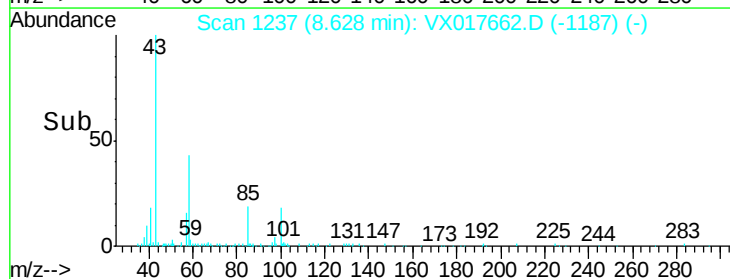
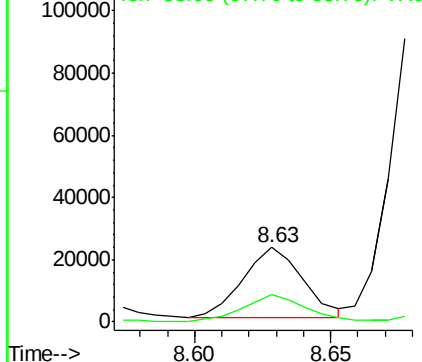
43 100

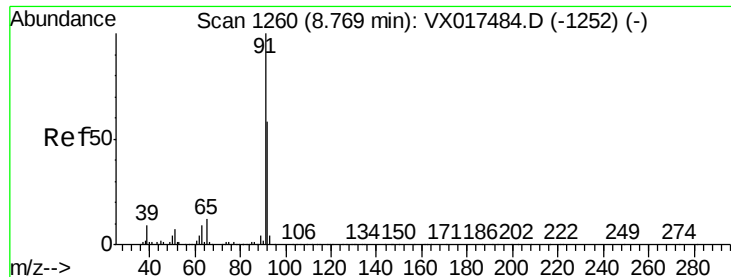
58 40.4 31.0 46.4



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





#52

Toluene

Concen: 773.977 ug/l

RT: 8.77 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VX017662.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_X

ClientSampleId :

40956

Tgt Ion: 92 Resp: 11748637

Ion Ratio Lower Upper

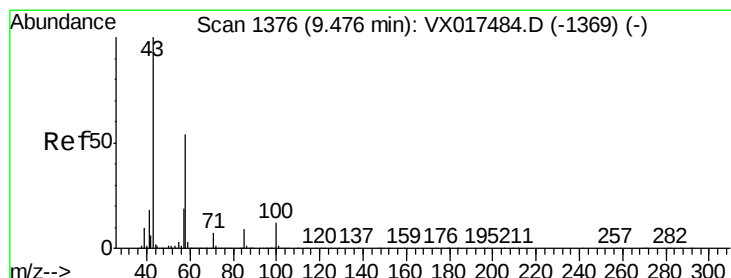
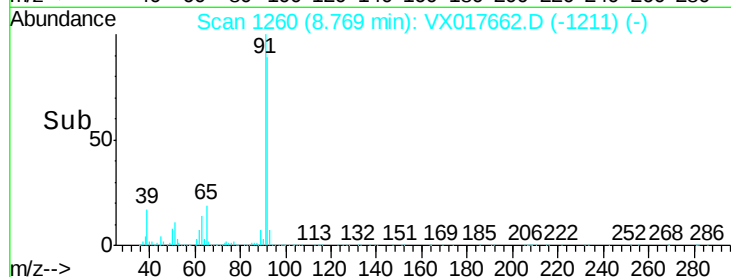
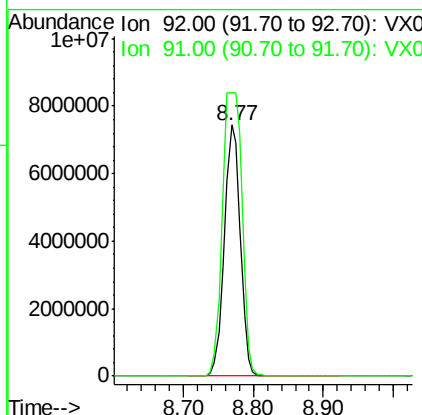
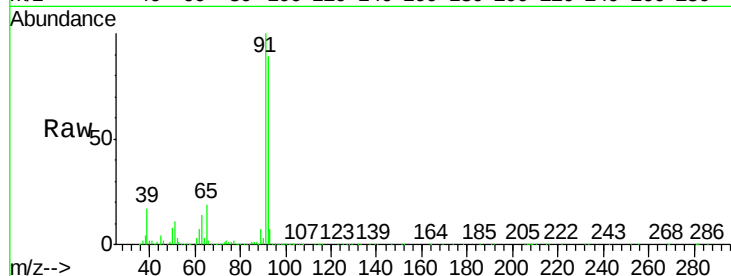
92 100

91 140.7 137.6 206.4

Manual Integrations
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#59

2-Hexanone

Concen: 7.098 ug/l

RT: 9.48 min Scan# 1376

Delta R.T. -0.00 min

Lab File: VX017662.D

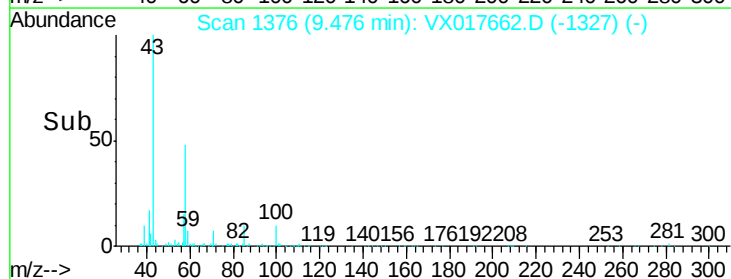
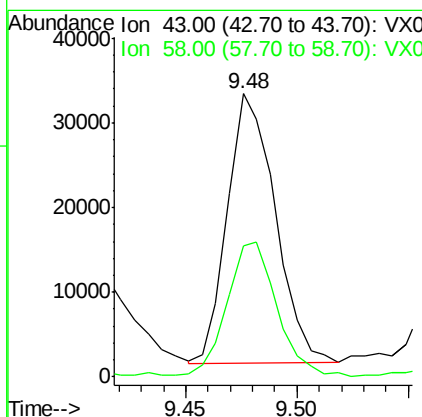
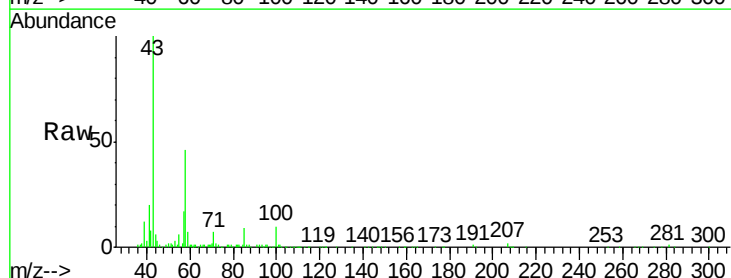
Acq: 28 Jul 2020 18:44

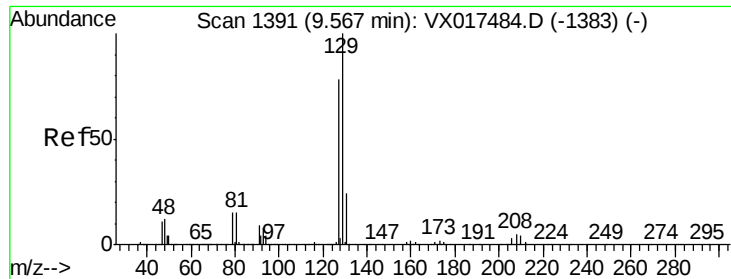
Tgt Ion: 43 Resp: 47524

Ion Ratio Lower Upper

43 100

58 51.7 26.6 79.8





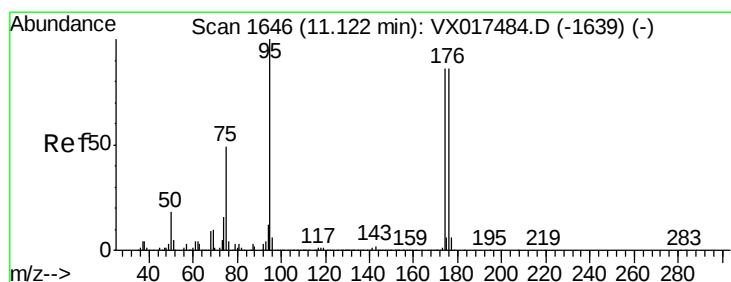
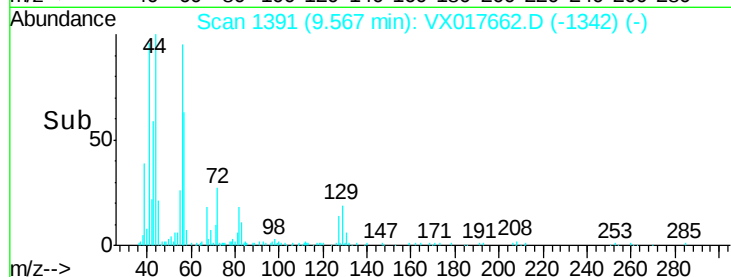
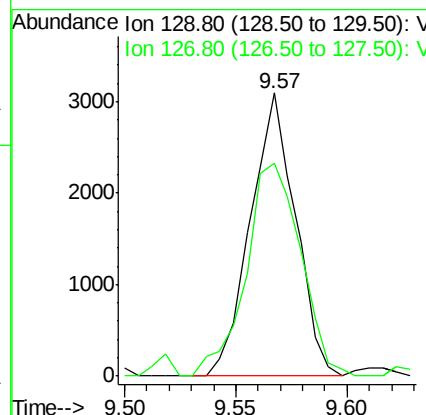
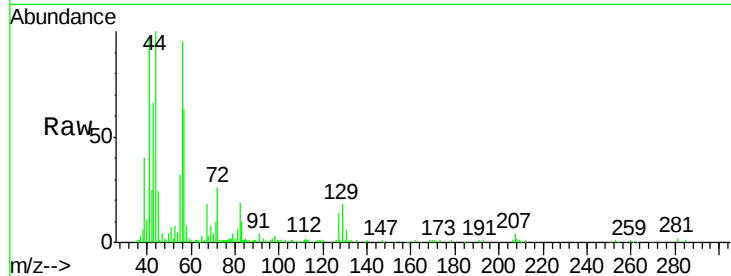
#60
Dibromochloromethane
Concen: 0.541 ug/l
RT: 9.57 min Scan# 1391
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
40956

Tgt Ion	Ratio	Lower	Upper
129	100		
127	91.6	38.4	115.1

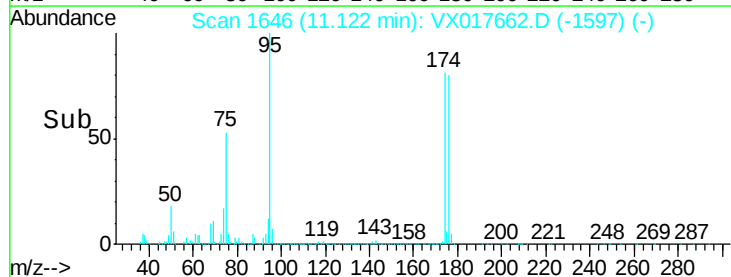
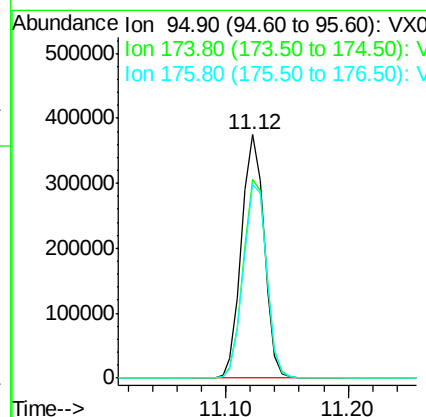
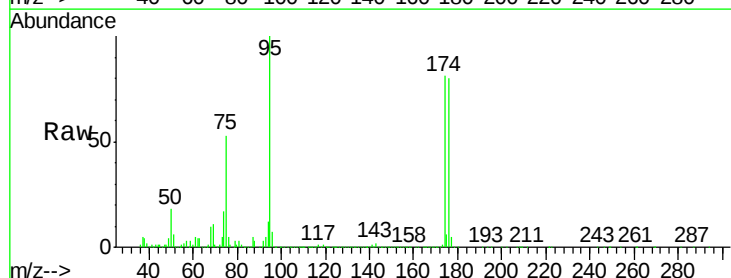
Manual Integrations
APPROVED

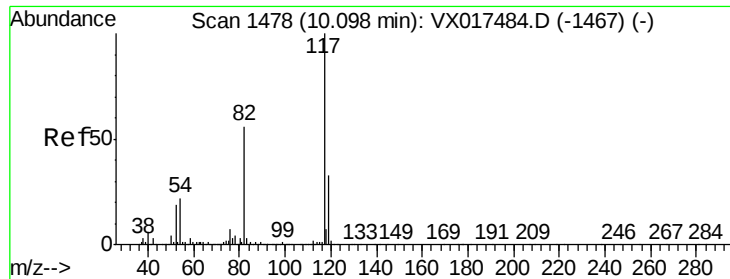
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 57.515 ug/l
RT: 11.12 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	169.0
176	81.9	0.0	161.0





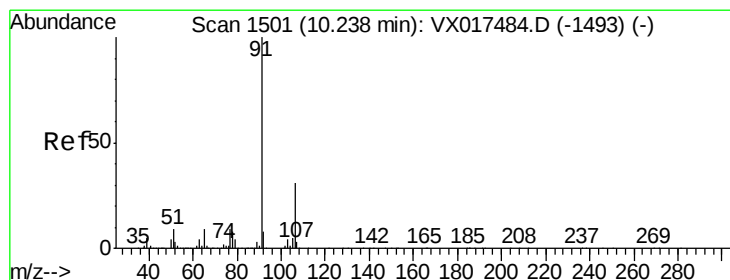
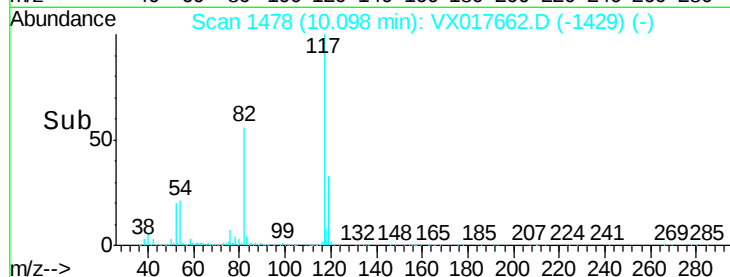
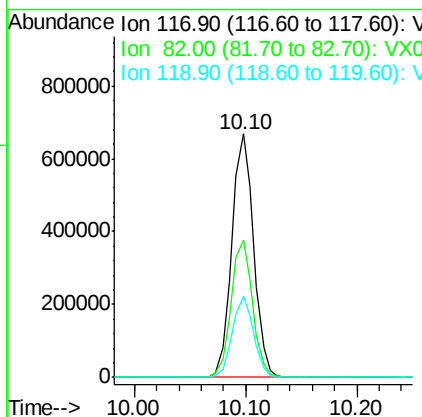
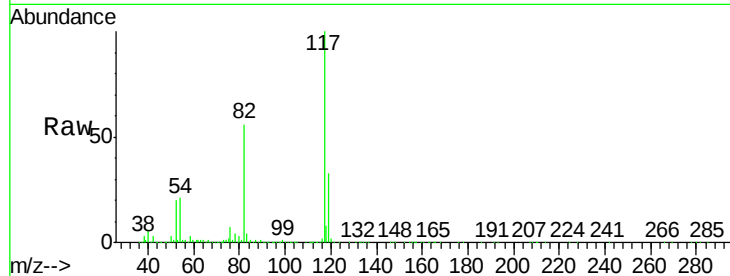
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
40956

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.2	44.0	66.0
119	33.2	25.4	38.0

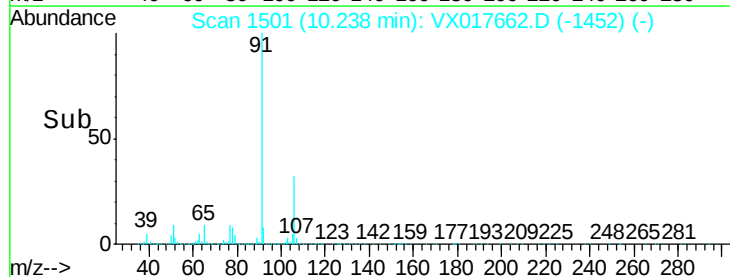
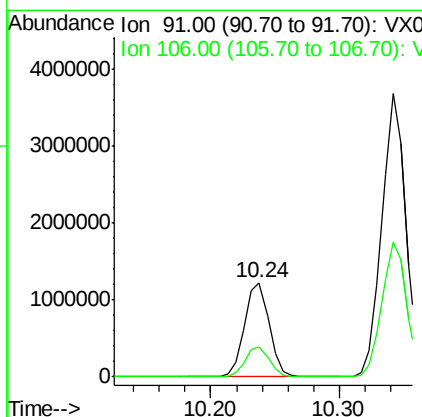
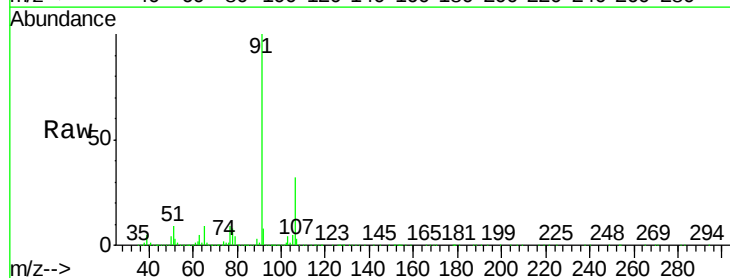
Manual Integrations
APPROVED

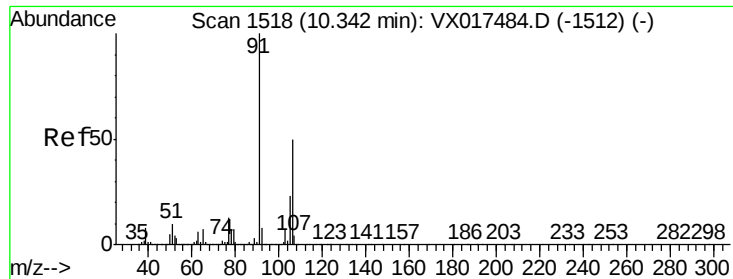
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#67
Ethyl Benzene
Concen: 49.429 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.8	38.6





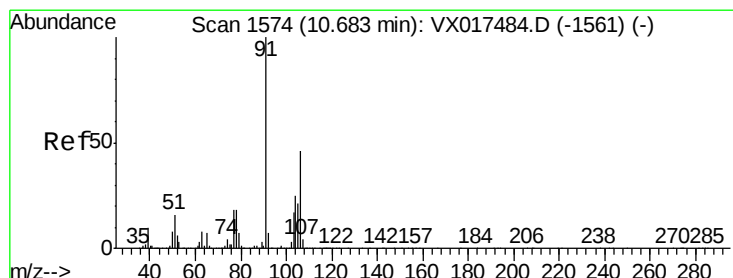
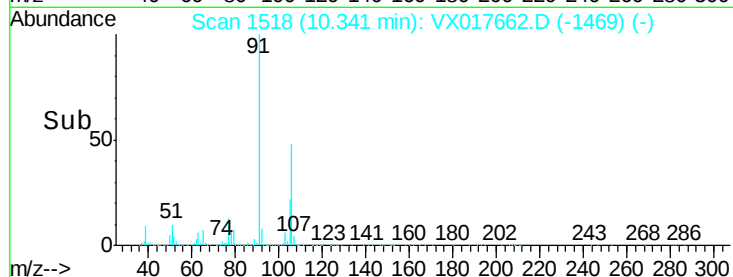
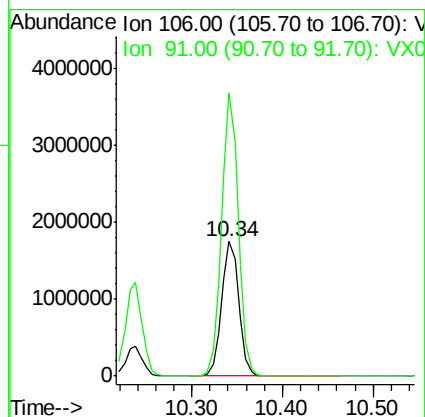
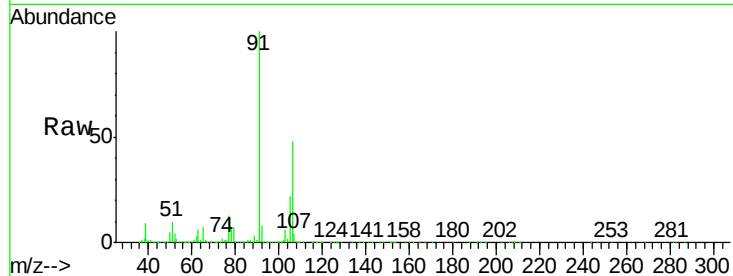
#68
m/p-Xylenes
Concen: 183.363 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
40956

Tgt Ion:106 Resp: 2315326
Ion Ratio Lower Upper
106 100
91 205.0 160.9 241.3

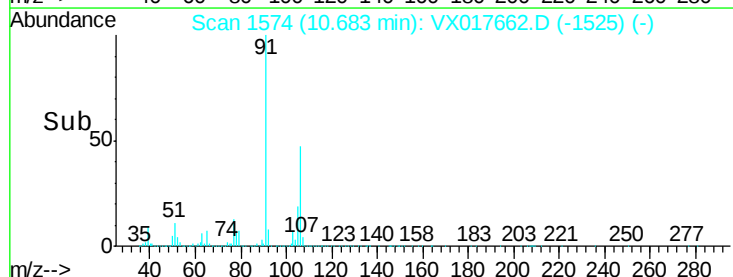
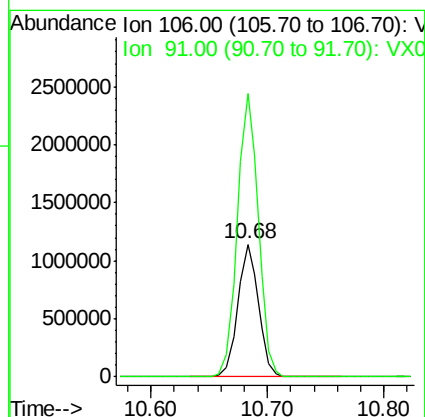
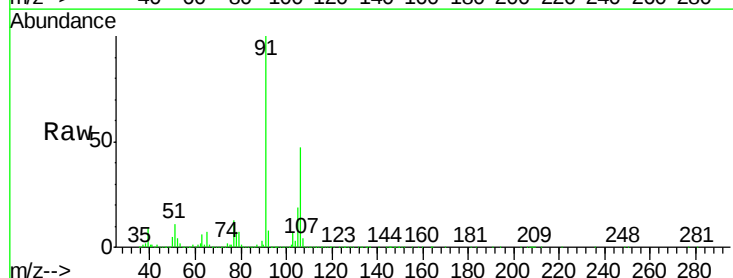
Manual Integrations
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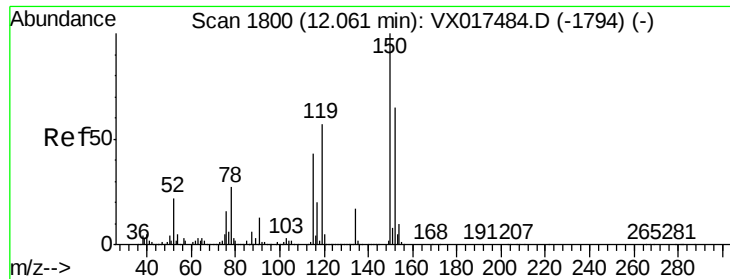
MMDadoda
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#69
o-Xylene
Concen: 115.778 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion:106 Resp: 1406047
Ion Ratio Lower Upper
106 100
91 217.9 108.2 324.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VX017662.D

Acq: 28 Jul 2020 18:44

Instrument :

MSVOA_X

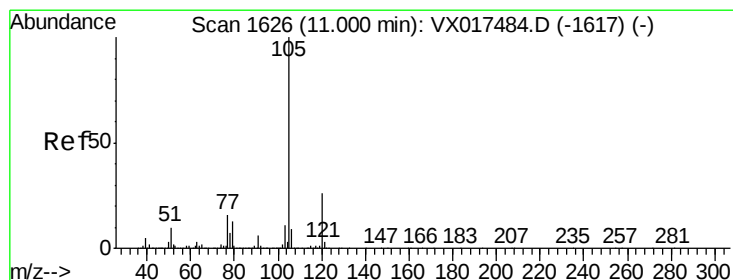
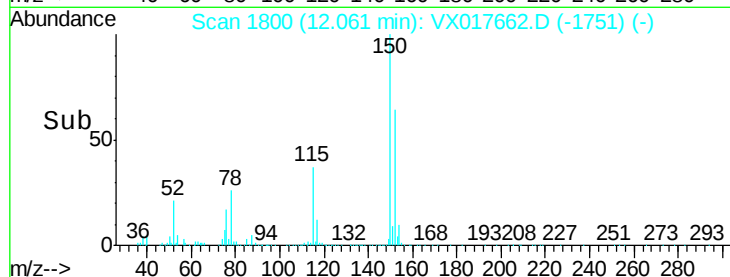
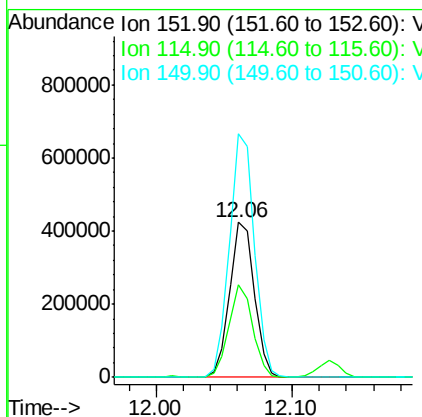
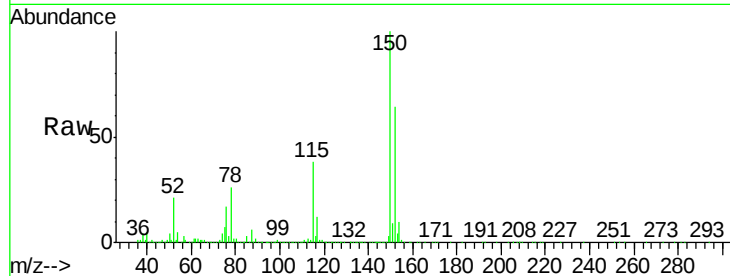
ClientSampled :

40956

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	539005		
115	57.1	65.5	196.6#	
150	157.3	0.0	412.6	

Manual Integrations
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#73

Isopropylbenzene

Concen: 2.544 ug/l

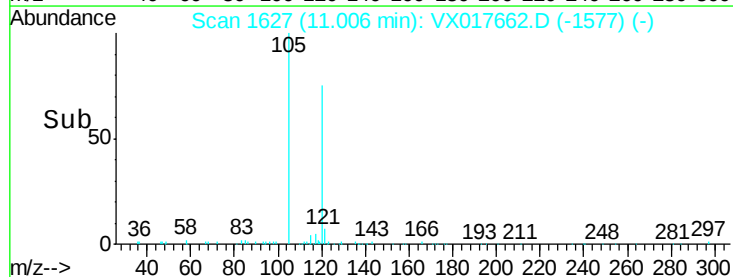
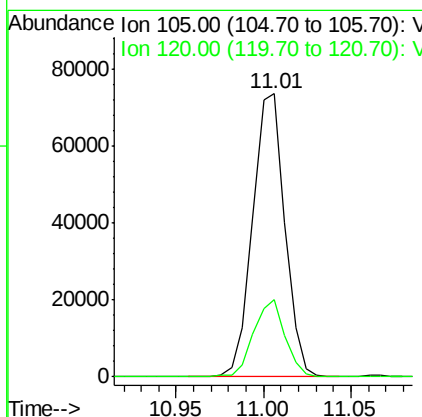
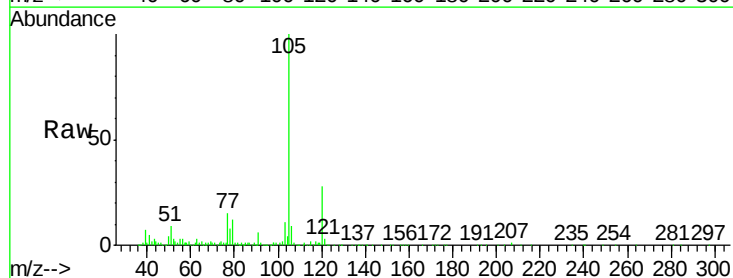
RT: 11.01 min Scan# 1627

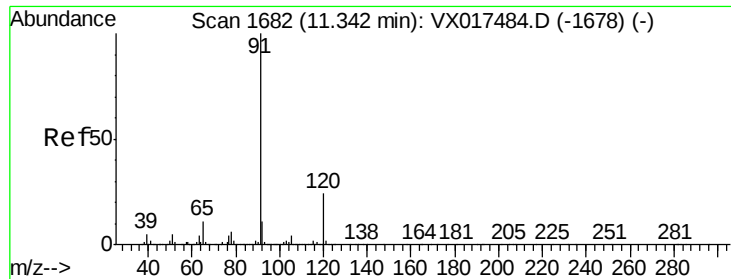
Delta R.T. 0.01 min

Lab File: VX017662.D

Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	94053		
120	26.8	13.3	39.8	





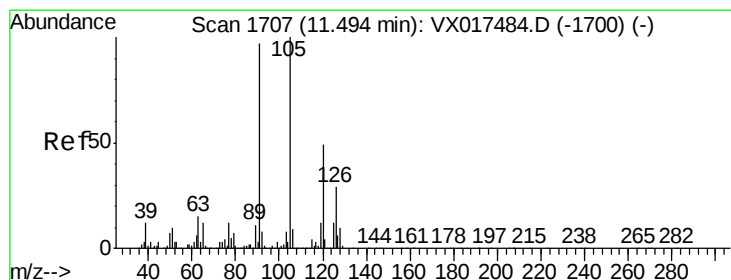
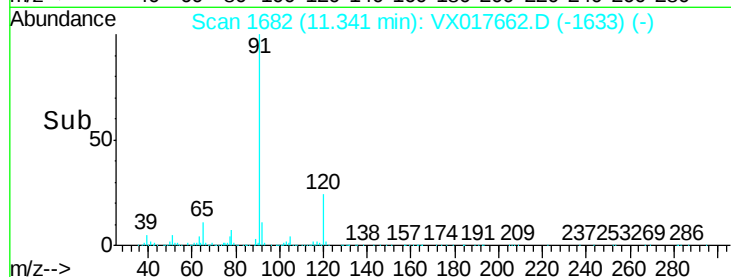
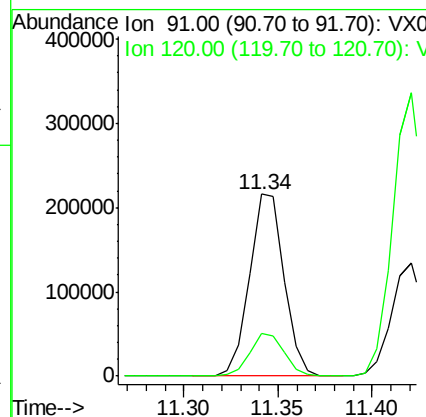
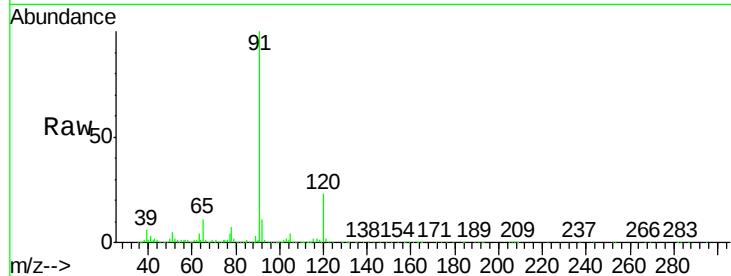
#78
n-propylbenzene
Concen: 6.586 ug/l
RT: 11.34 min Scan# 1682
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampleId :
40956

Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	12.2	36.4

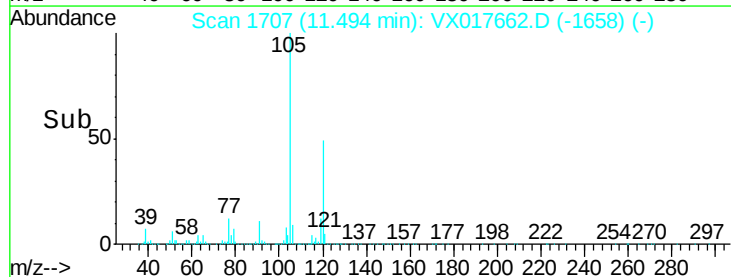
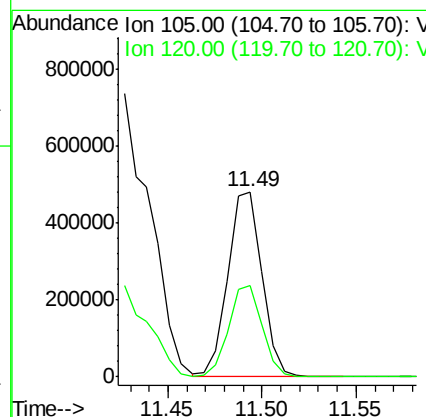
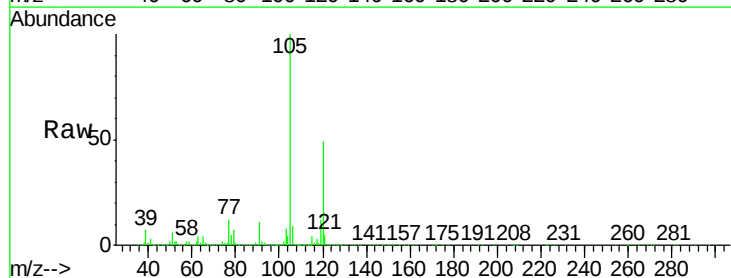
Manual Integrations
APPROVED

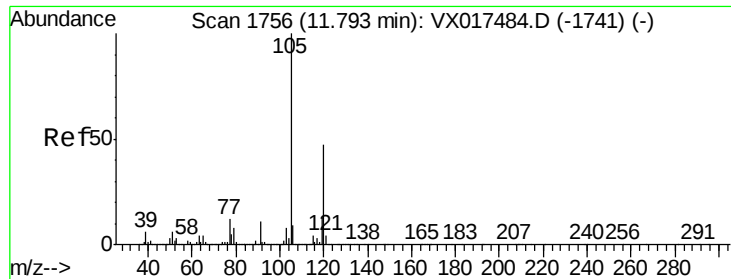
MMDadoda
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#80
1,3,5-Trimethylbenzene
Concen: 19.148 ug/l
RT: 11.49 min Scan# 1707
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
105	100		
120	48.4	24.1	72.3





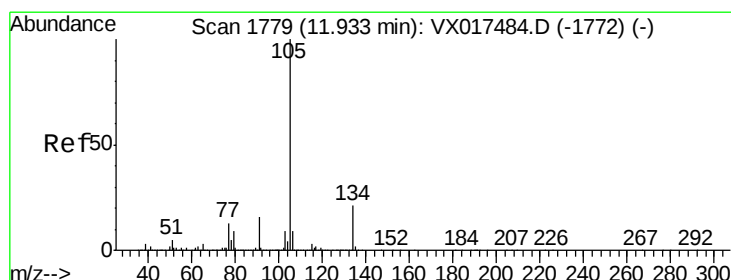
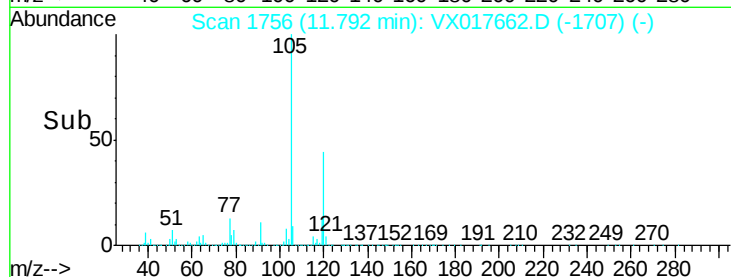
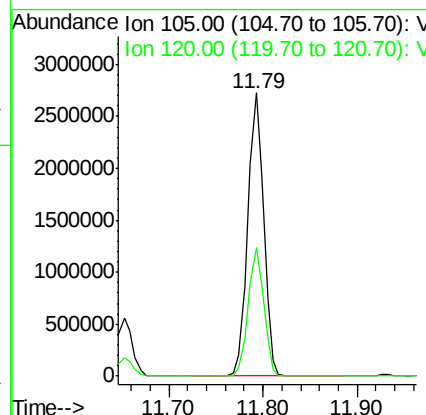
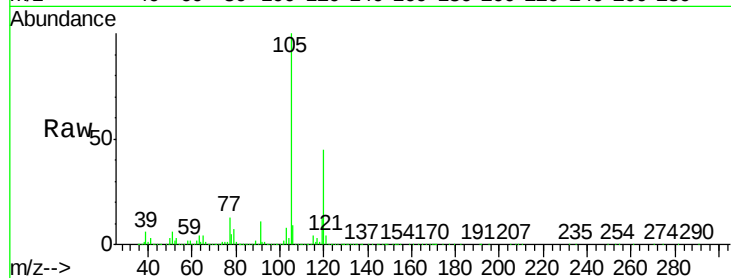
#84
 1,2,4-Trimethylbenzene
 Concen: 101.742 ug/l
 RT: 11.79 min Scan# 1756
 Delta R.T. -0.00 min
 Lab File: VX017662.D
 Acq: 28 Jul 2020 18:44

Instrument :
 MSVOA_X
 ClientSampled :
 40956

Tgt Ion:105 Resp: 3194814
 Ion Ratio Lower Upper
 105 100
 120 44.8 22.7 68.0

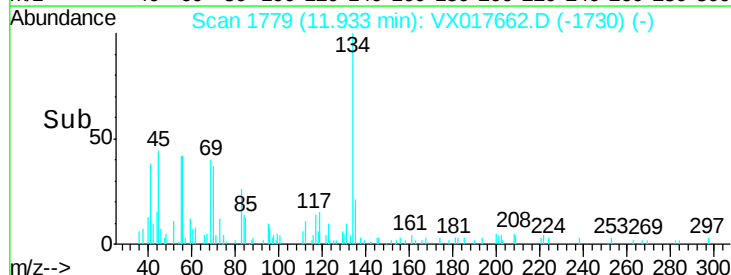
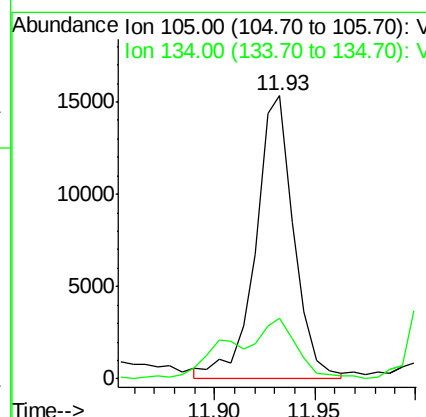
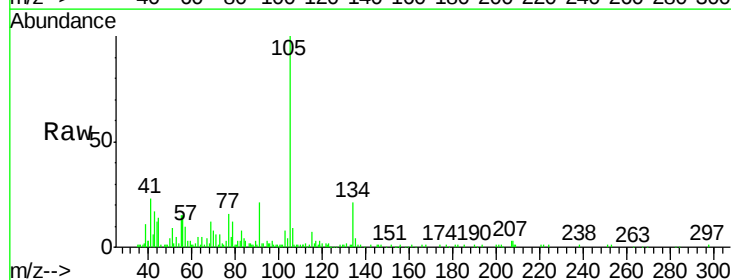
Manual Integrations
 APPROVED

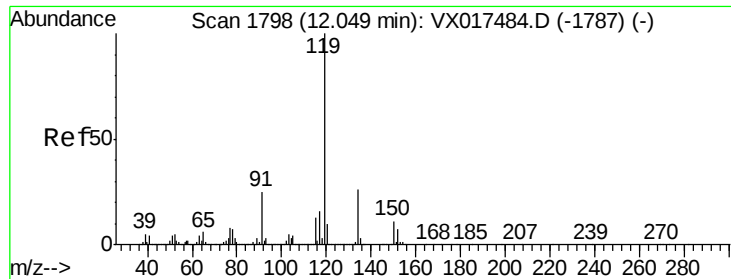
MMDadoda
 7/29/2020 10:49:43 AM



#85
 sec-Butylbenzene
 Concen: 0.578 ug/l m
 RT: 11.93 min Scan# 1779
 Delta R.T. -0.00 min
 Lab File: VX017662.D
 Acq: 28 Jul 2020 18:44

Tgt Ion:105 Resp: 20353
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.4 31.2#





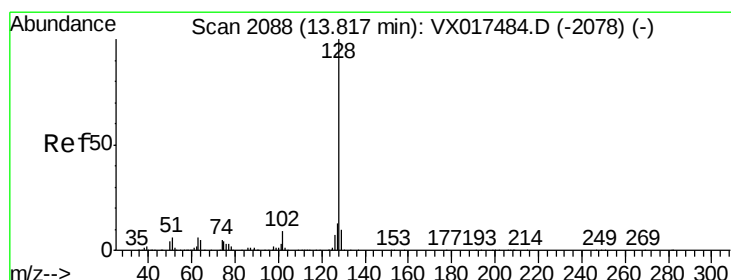
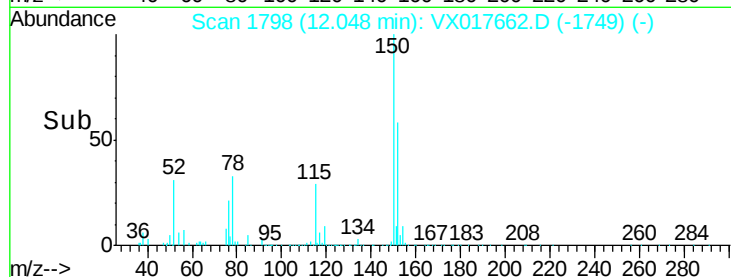
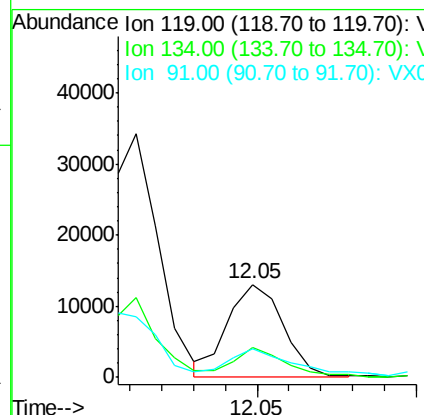
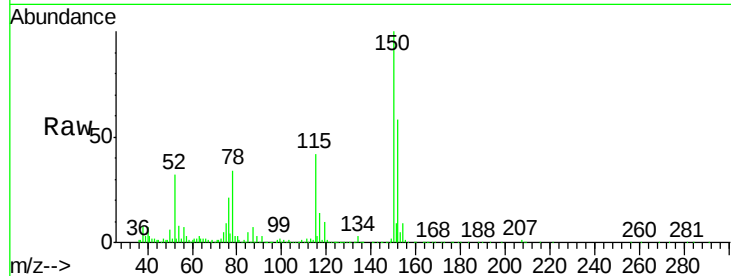
#86
p-Isopropyltoluene
Concen: 0.482 ug/l m
RT: 12.05 min Scan# 1798
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Instrument :
MSVOA_X
ClientSampled :
40956

Tgt Ion	Ratio	Lower	Upper
119	100		
134	76.7	13.1	39.3#
91	69.4	12.1	36.3#

Manual Integrations
APPROVED

MMDadoda
7/29/2020 10:49:43 AM



#95
Naphthalene
Concen: 61.302 ug/l
RT: 13.82 min Scan# 2088
Delta R.T. -0.00 min
Lab File: VX017662.D
Acq: 28 Jul 2020 18:44

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.9	13.3

