

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX040620\
 Data File : VX015509.D
 Acq On : 06 Apr 2020 13:55
 Operator : JC/SP
 Sample : L2097-12
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40772

Manual Integrations
 APPROVED

MMDadoda
 4/7/2020 11:59:13 AM

Quant Time: Apr 07 06:18:51 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 27 09:35:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.64	168	1135592	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1786624	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1774498	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	985110	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	742862	46.38	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.76%	
35) Dibromofluoromethane	5.47	113	557365	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	8.70	98	2186113	51.99	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.98%	
62) 4-Bromofluorobenzene	11.12	95	986193	57.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.42%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.31	50	4911	0.385	ug/l	99
11) Tert butyl alcohol	3.01	59	49793	12.989	ug/l	95
16) Acetone	2.42	43	2611237	379.487	ug/l	99
19) Methyl tert-butyl Ether	3.17	73	52586	1.265	ug/l	96
20) Methylene Chloride	2.84	84	9522	0.741	ug/l #	94
22) Diisopropyl ether	3.83	45	33063	0.745	ug/l #	76
25) 2-Butanone	4.64	43	584159	52.788	ug/l	96
37) Ethyl Acetate	4.80	43	65802	3.070	ug/l #	94
39) Methylcyclohexane	7.45	83	4987	0.263	ug/l #	74
40) Benzene	6.12	78	233573	4.844	ug/l	100
51) 4-Methyl-2-Pentanone	8.62	43	81210	3.960	ug/l	99
52) Toluene	8.77	92	2672328	89.888	ug/l	99
59) 2-Hexanone	9.48	43	51918	3.354	ug/l	99
67) Ethyl Benzene	10.24	91	1466211	23.360	ug/l	100
68) m/p-Xylenes	10.34	106	1466185	62.733	ug/l	100
69) o-Xylene	10.68	106	1593573	69.000	ug/l	97
73) Isopropylbenzene	11.00	105	141734	2.196	ug/l	99
78) n-propylbenzene	11.34	91	564425	7.647	ug/l	97
80) 1,3,5-Trimethylbenzene	11.50	105	1076761	19.533	ug/l	99
84) 1,2,4-Trimethylbenzene	11.79	105	2496952	44.450	ug/l	100
85) sec-Butylbenzene	11.93	105	85384	1.371	ug/l	82
86) p-Isopropyltoluene	12.05	119	80426	1.391	ug/l	97
89) n-Butylbenzene	12.37	91	358273m	6.858	ug/l	
95) Naphthalene	13.82	128	602307	8.276	ug/l	97

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

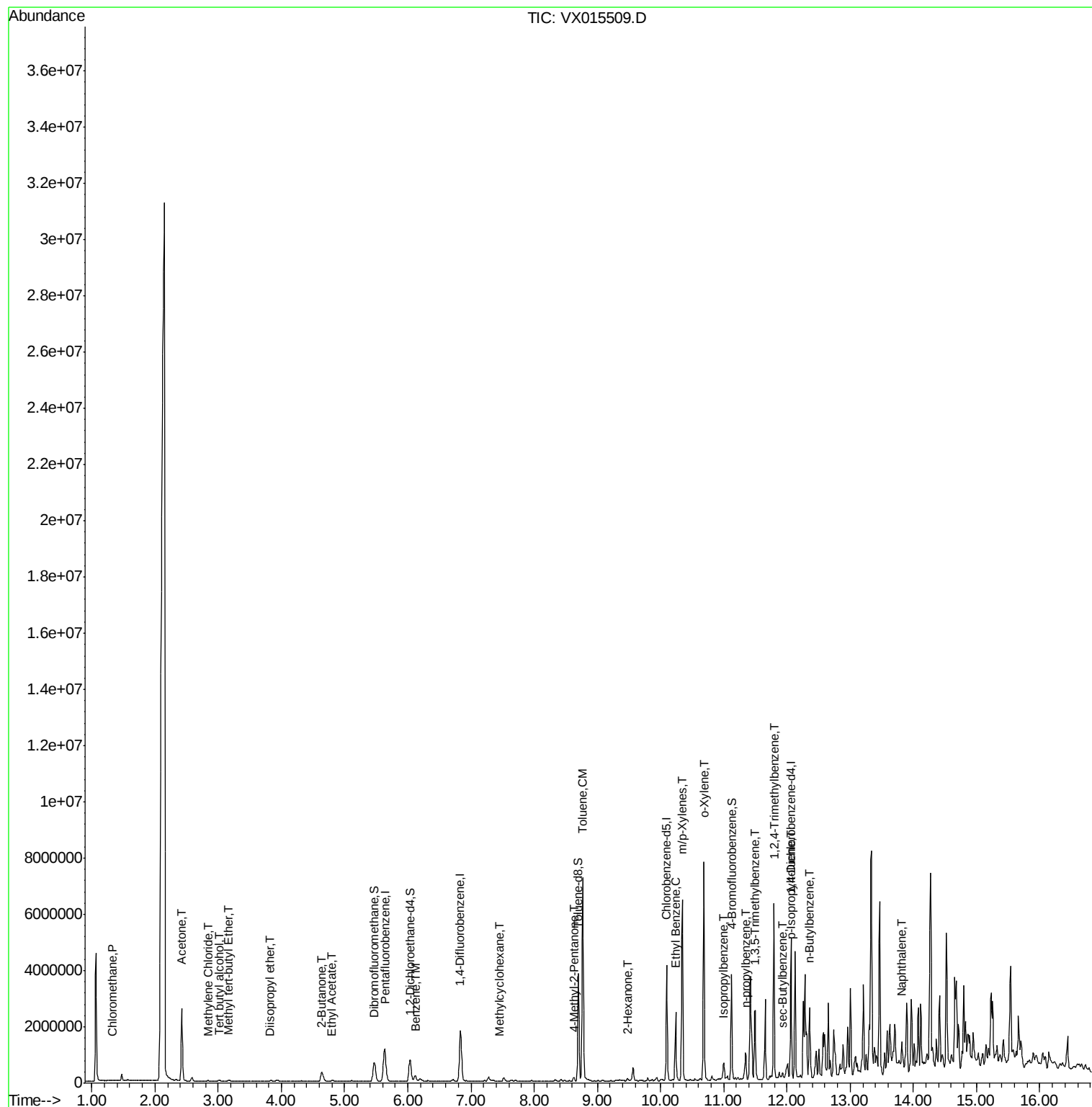
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX040620\
Data File : VX015509.D
Acq On : 06 Apr 2020 13:55
Operator : JC/SP
Sample : L2097-12
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 10 Sample Multiplier: 1

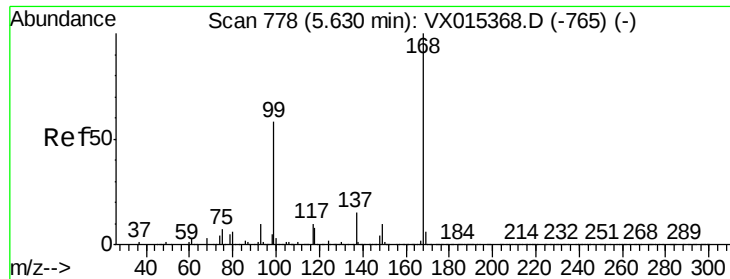
Instrument :
MSVOA_X
ClientSampleId :
40772

Manual Integrations
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Quant Time: Apr 07 06:18:51 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X032720W.M
Quant Title : SW846 8260
QLast Update : Fri Mar 27 09:35:51 2020
Response via : Initial Calibration





#1

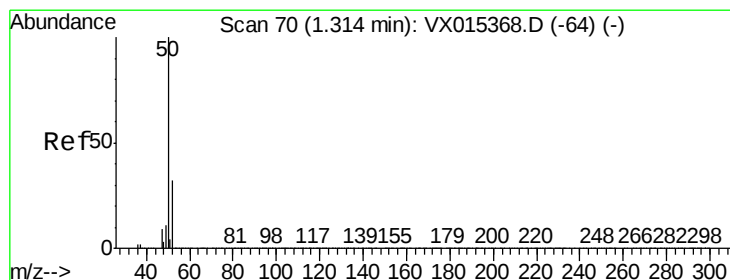
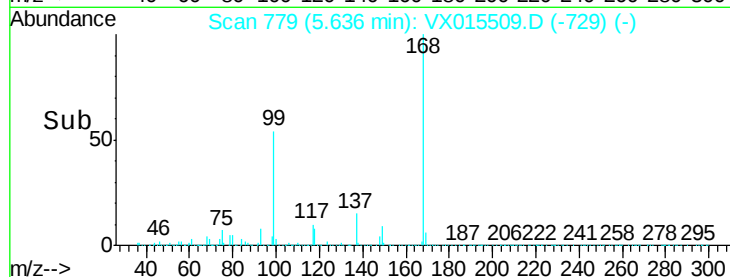
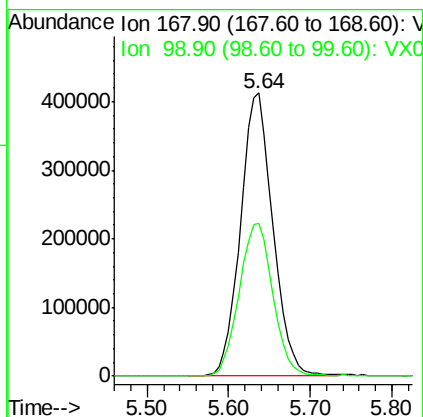
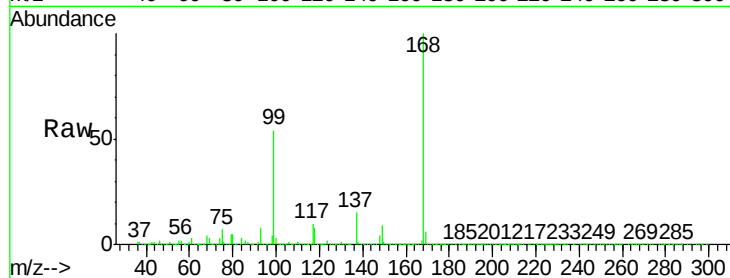
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.64 min Scan# 779
 Delta R.T. 0.01 min
 Lab File: VX015509.D
 Acq: 06 Apr 2020 13:55

Instrument :
 MSVOA_X
 ClientSampled :
 40772

Tot Ion:168 Resp: 113592
 Ion Ratio Lower Upper
 168 100
 99 53.9 46.4 69.6

Manual Integrations
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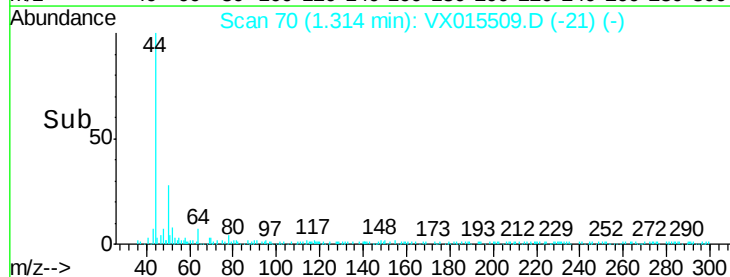
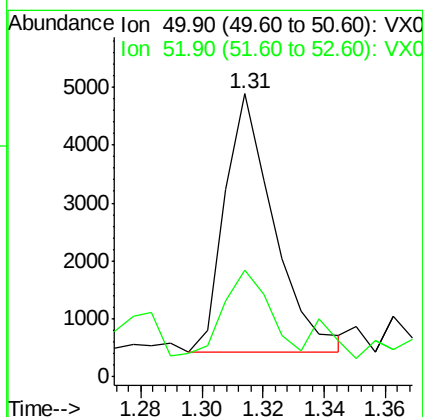
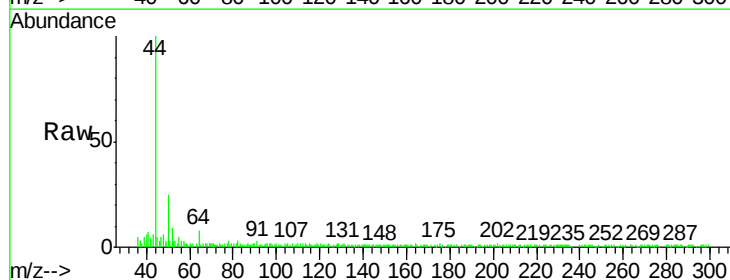
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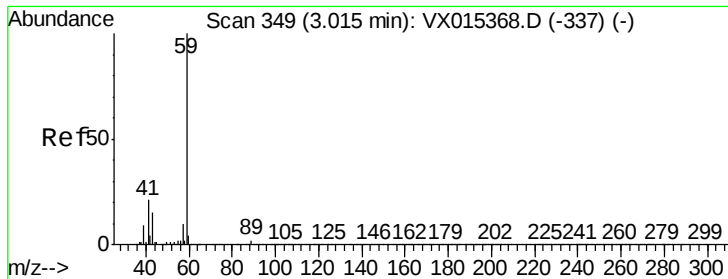


#3

Chloromethane
 Concen: 0.385 ug/l
 RT: 1.31 min Scan# 70
 Delta R.T. 0.00 min
 Lab File: VX015509.D
 Acq: 06 Apr 2020 13:55

Tgt Ion: 50 Resp: 4911
 Ion Ratio Lower Upper
 50 100
 52 31.9 25.3 37.9





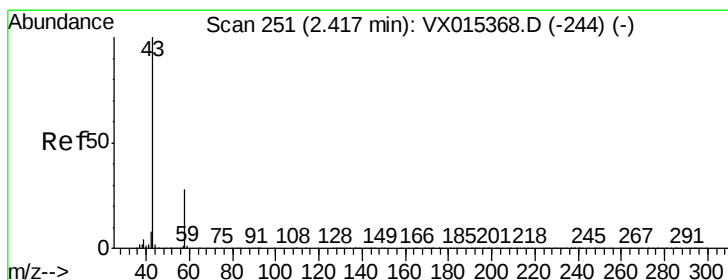
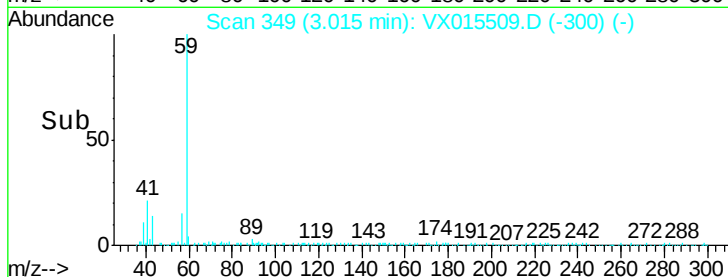
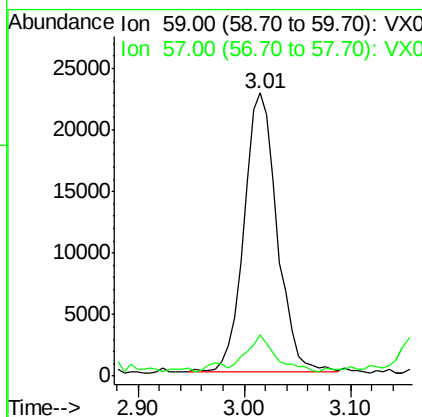
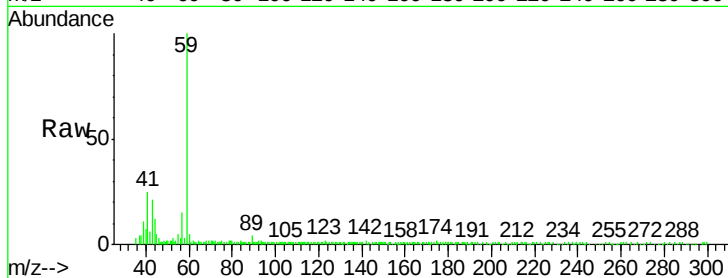
#11
Tert butyl alcohol
Concen: 12.989 ug/l
RT: 3.01 min Scan# 349
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampled :
40772

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.1	12.1

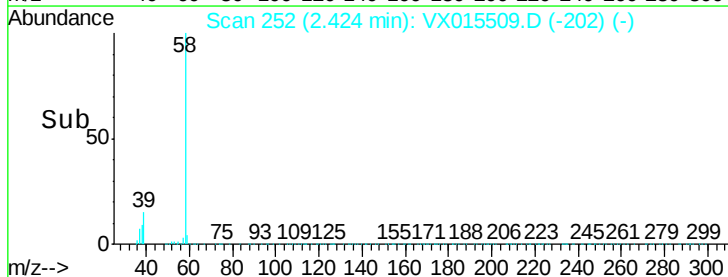
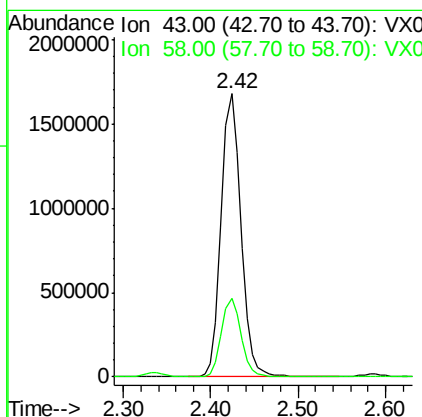
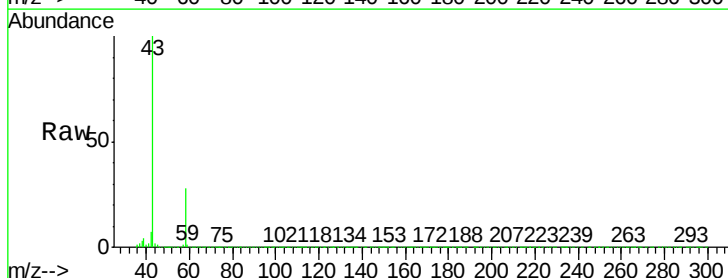
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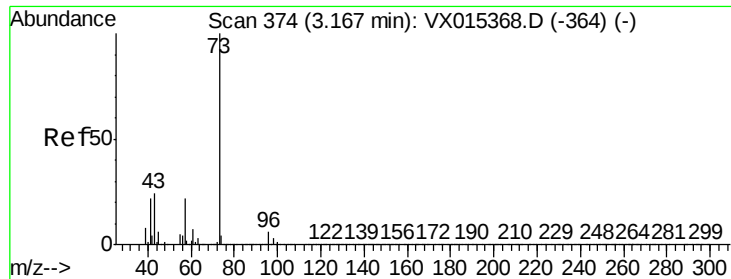
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#16
Acetone
Concen: 379.487 ug/l
RT: 2.42 min Scan# 252
Delta R.T. 0.01 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.1	33.1





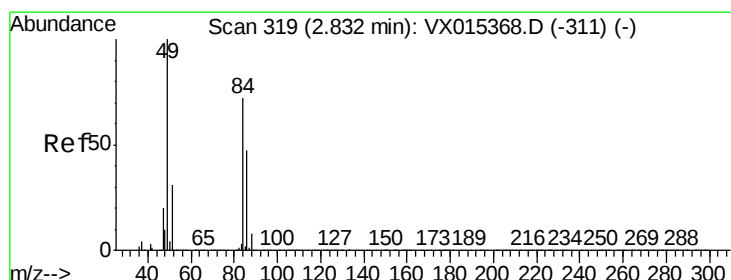
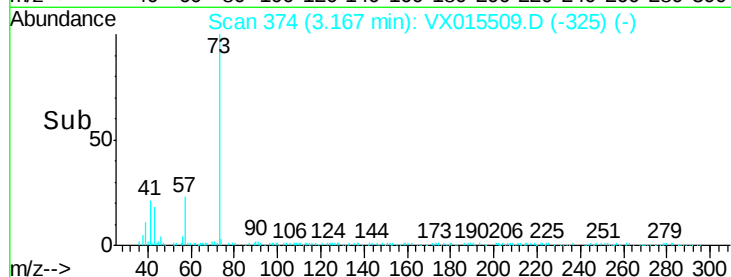
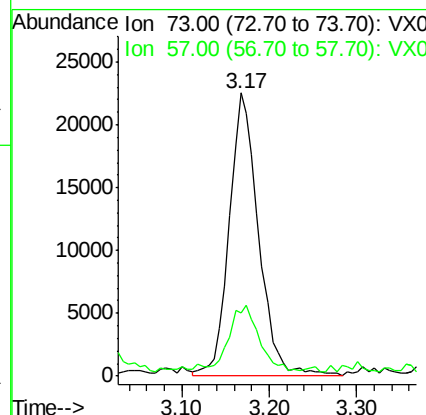
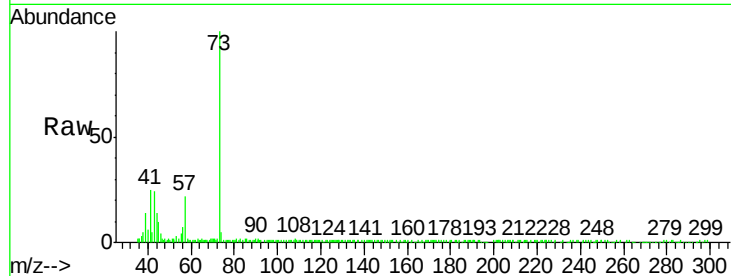
#19
Methvl tert-butvl Ether
Concen: 1.265 ug/l
RT: 3.17 min Scan# 374
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion	Ratio	Lower	Upper
73	100		
57	20.3	17.9	26.9

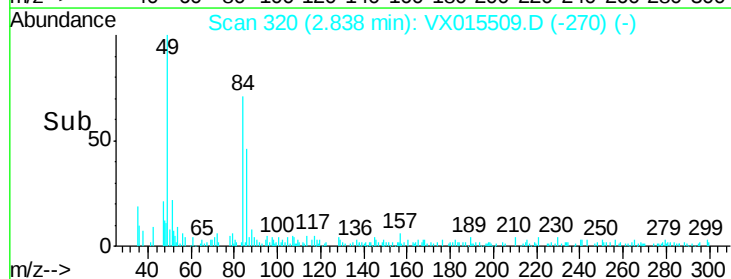
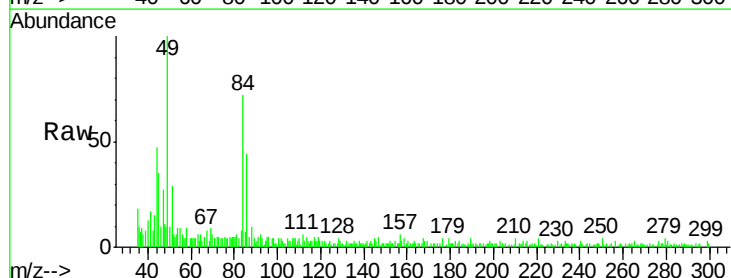
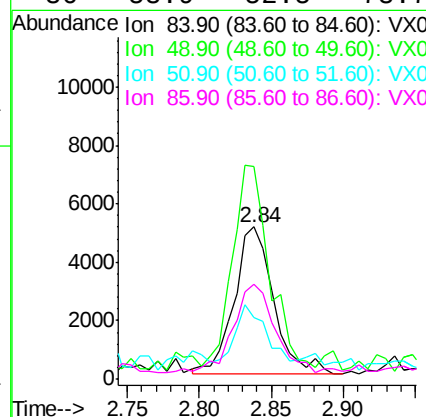
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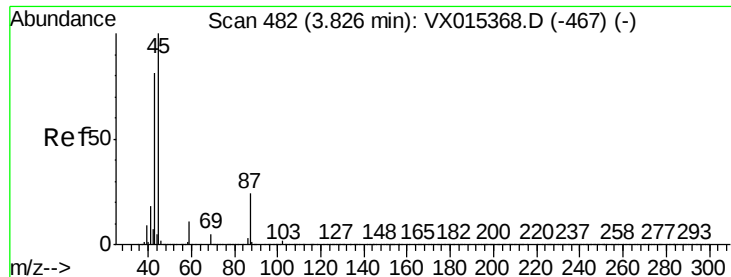
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#20
Methylene Chloride
Concen: 0.741 ug/l
RT: 2.84 min Scan# 320
Delta R.T. 0.01 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
84	100		
49	138.8	111.3	166.9
51	30.4	34.0	51.0#
86	58.9	52.5	78.7





#22

Diisopropyl ether

Concen: 0.745 ug/l

RT: 3.83 min Scan# 482

Delta R.T. 0.00 min

Lab File: VX015509.D

Acq: 06 Apr 2020 13:55

Instrument :

MSVOA_X

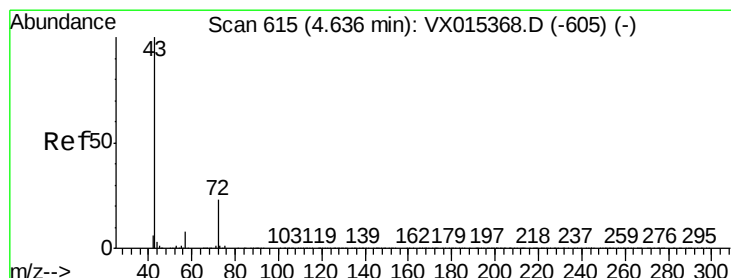
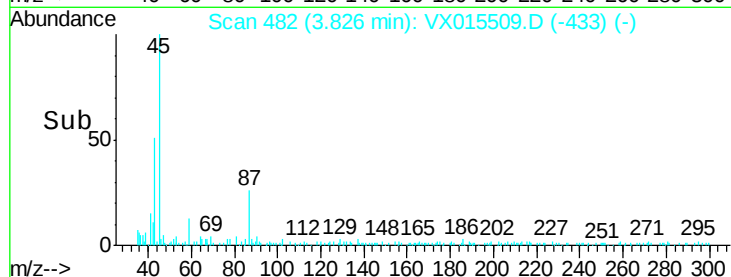
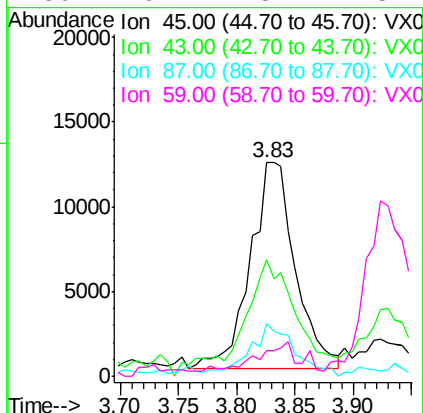
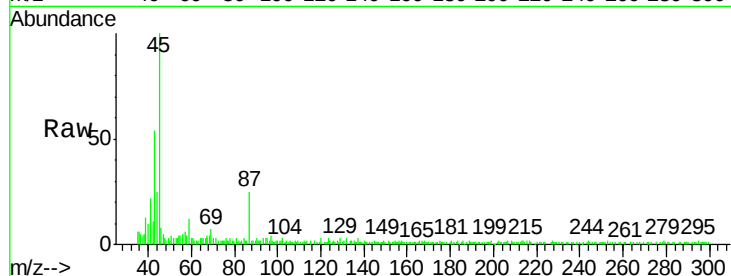
ClientSampleId :

40772

Tot Ion	Ratio	Lower	Upper
45	100		
43	50.8	64.7	97.1#
87	23.7	19.4	29.0
59	10.2	8.7	13.1

Manual Integrations
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#25

2-Butanone

Concen: 52.788 ug/l

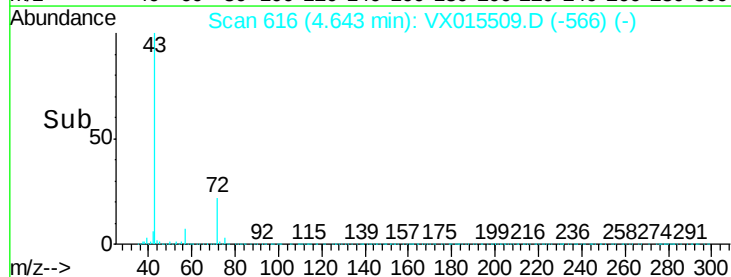
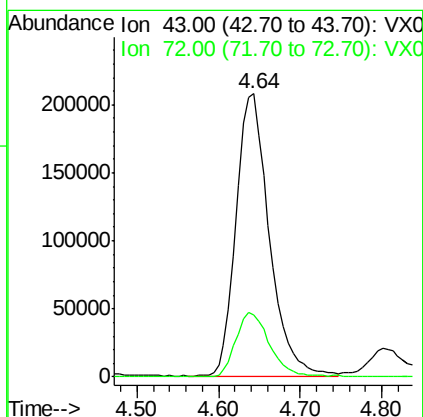
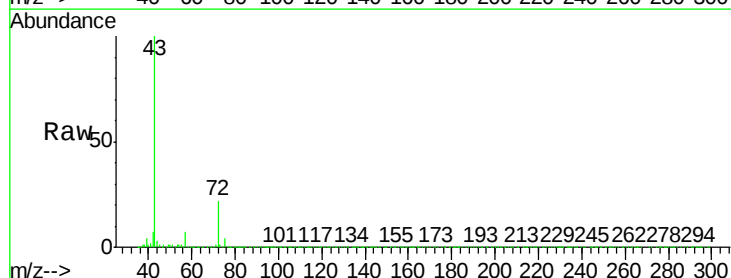
RT: 4.64 min Scan# 616

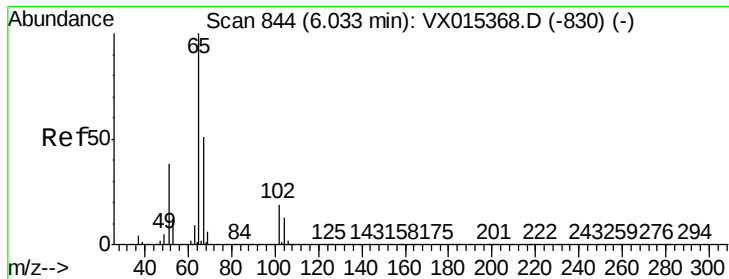
Delta R.T. 0.01 min

Lab File: VX015509.D

Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	19.0	28.4





#33

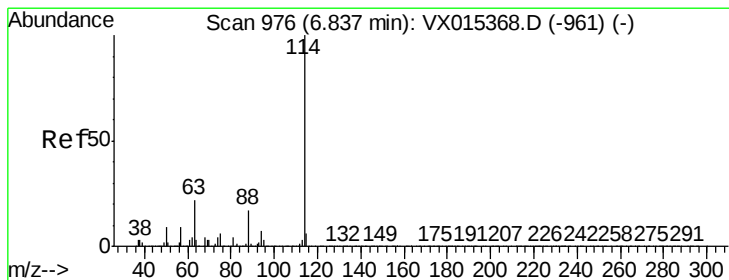
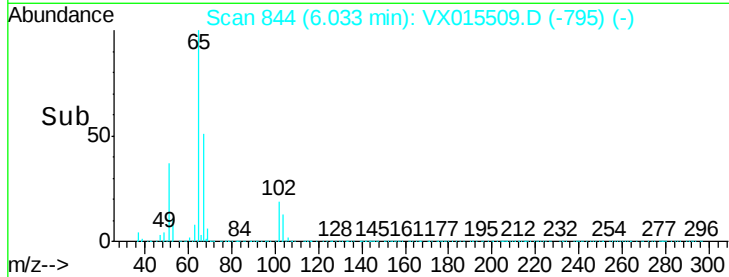
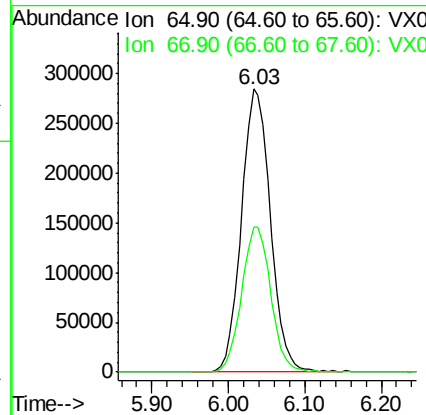
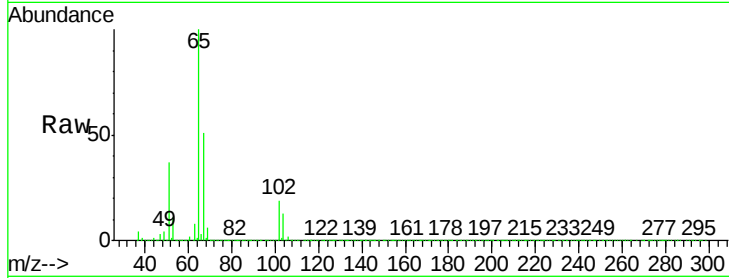
1,2-Dichloroethane-d4
Concen: 46.382 ug/l
RT: 6.03 min Scan# 844
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	102.6

Manual Integrations
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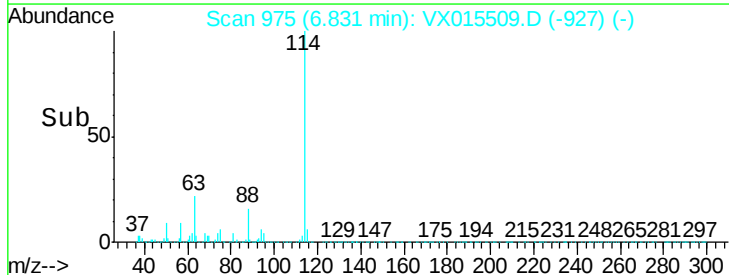
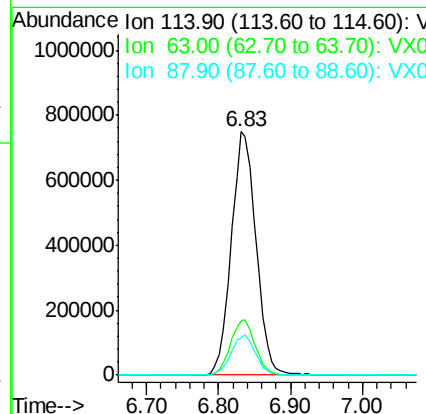
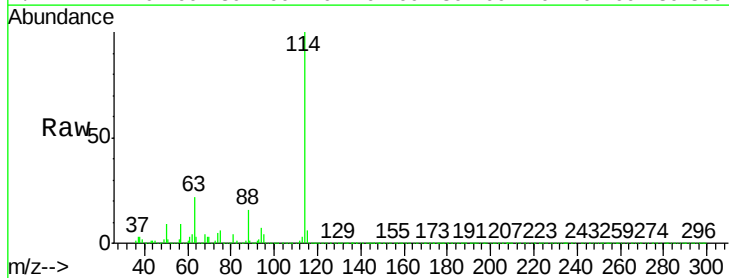
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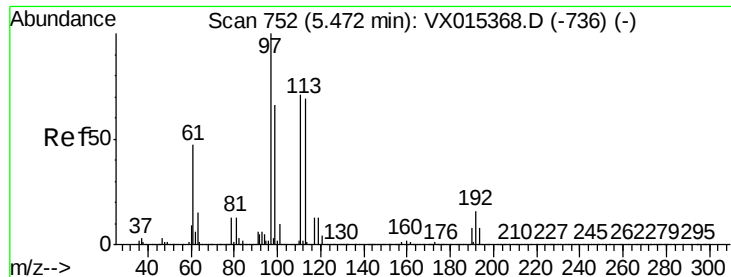


#34

1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.83 min Scan# 975
Delta R.T. -0.01 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	44.2
88	15.6	0.0	33.8





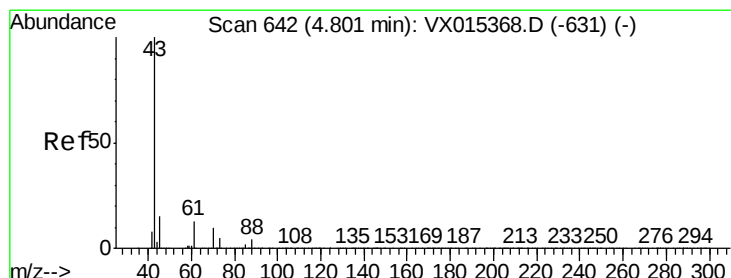
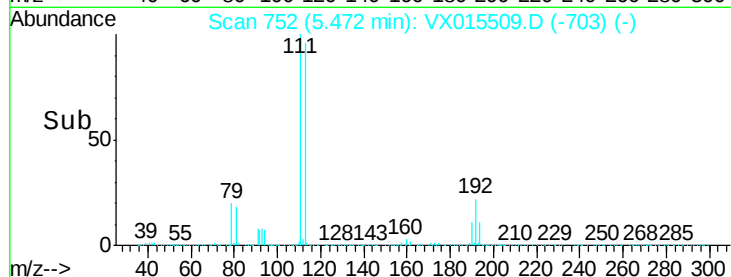
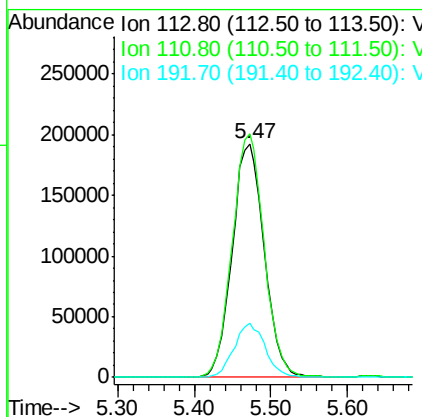
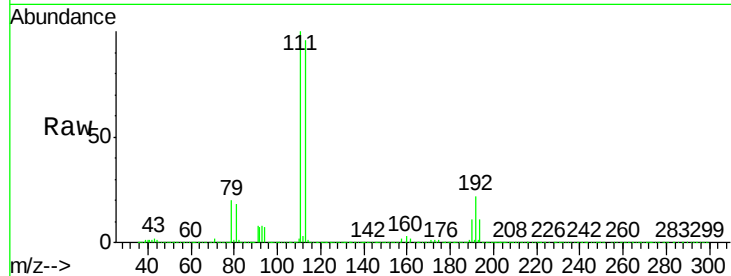
#35
Dibromofluoromethane
Concen: 48.804 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
111	103.8	81.5	122.3	
192	22.4	17.8	26.6	

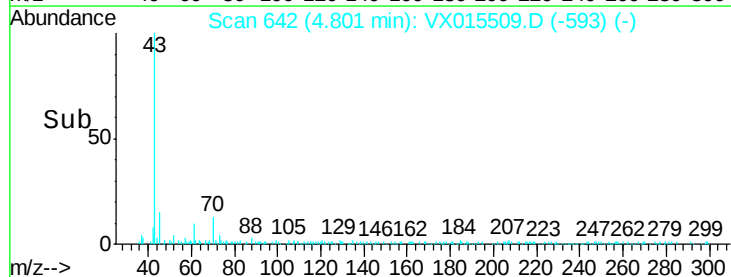
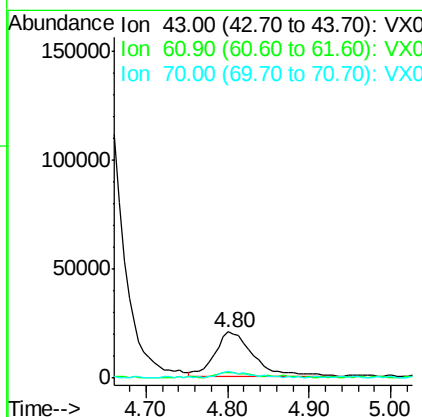
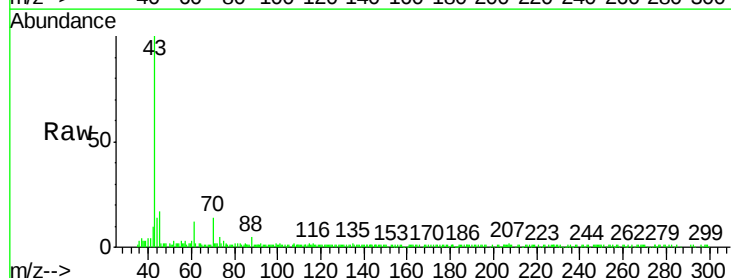
Manual Integrations
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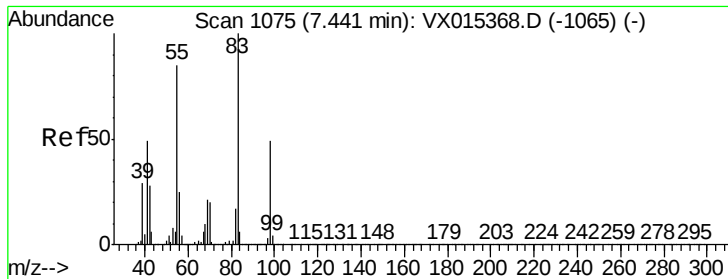
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4/7/2020 11:59:13 AM



#37
Ethyl Acetate
Concen: 3.070 ug/l
RT: 4.80 min Scan# 642
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
43	100			
61	8.9	9.9	14.9#	
70	9.4	8.1	12.1	





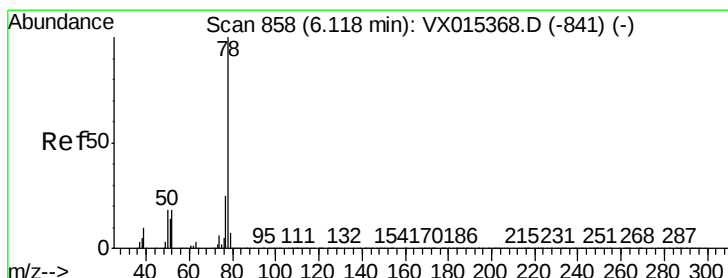
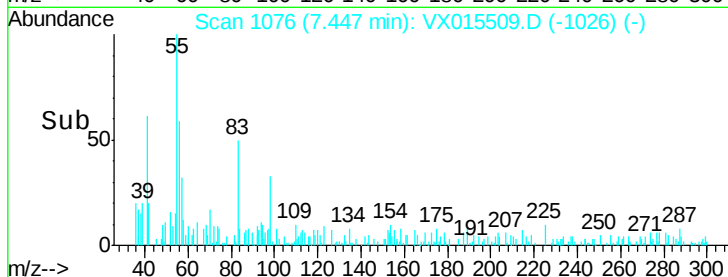
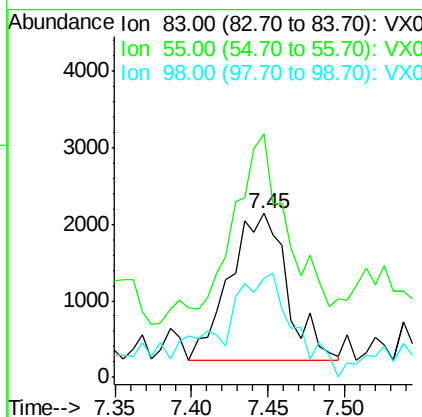
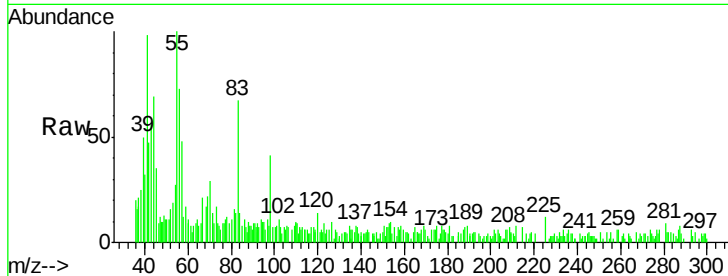
#39
Methvlcvclohexane
Concen: 0.263 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. 0.01 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion	Ratio	Lower	Upper
83	100		
55	118.3	67.8	101.6#
98	53.3	39.3	58.9

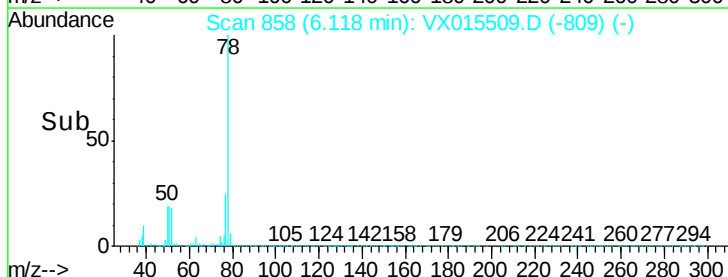
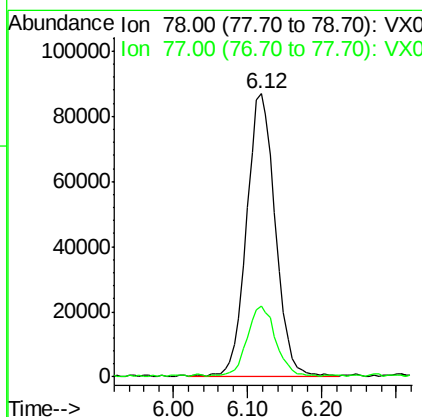
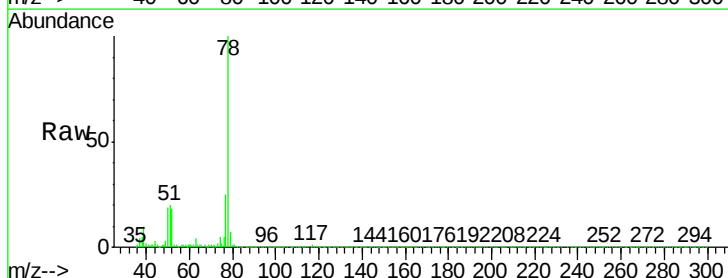
Manual Integrations
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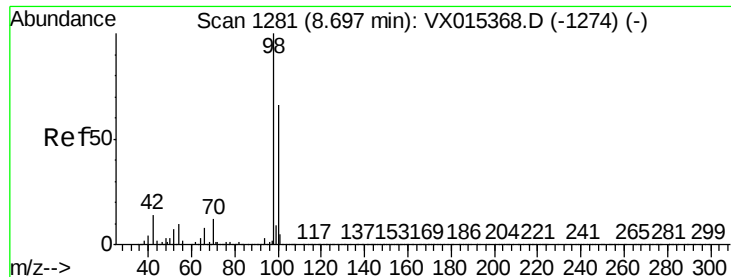
MMDadoda
4/7/2020 11:59:13 AM



#40
Benzene
Concen: 4.844 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
78	100		
77	24.9	19.8	29.8





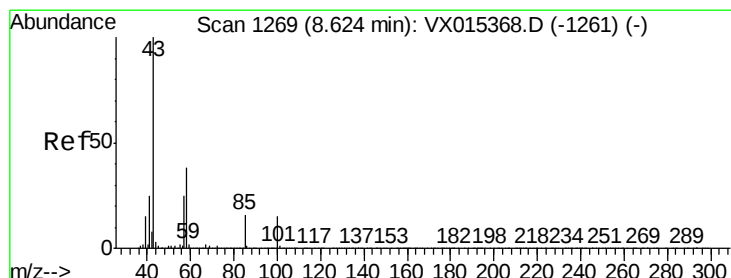
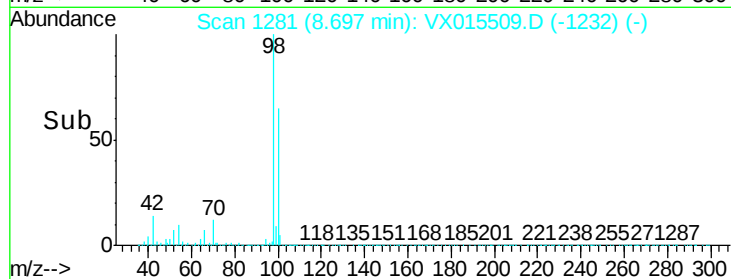
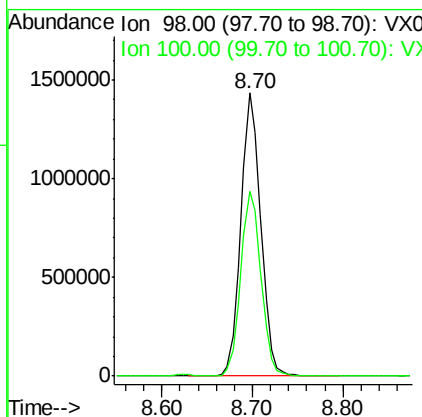
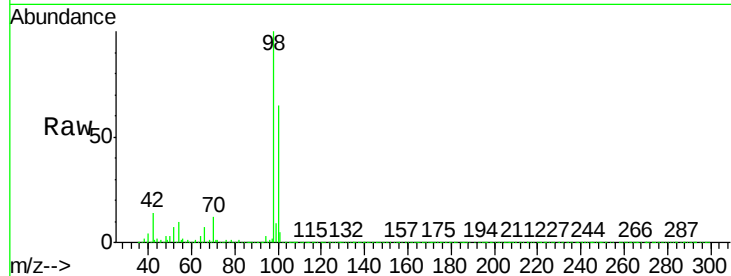
#50
Toluene-d8
Concen: 51.991 ug/l
RT: 8.70 min Scan# 1281
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion: 98 Resp: 2186113
Ion Ratio Lower Upper
98 100
100 66.4 53.5 80.3

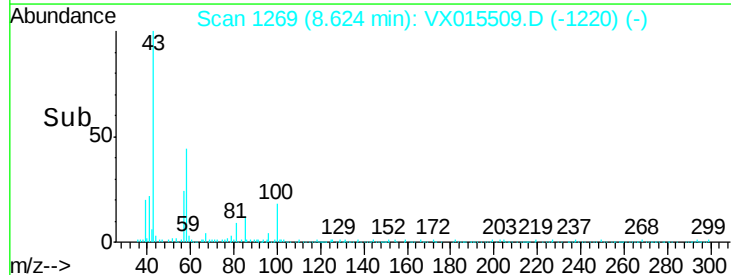
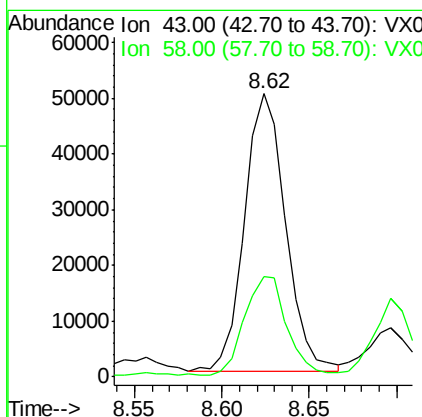
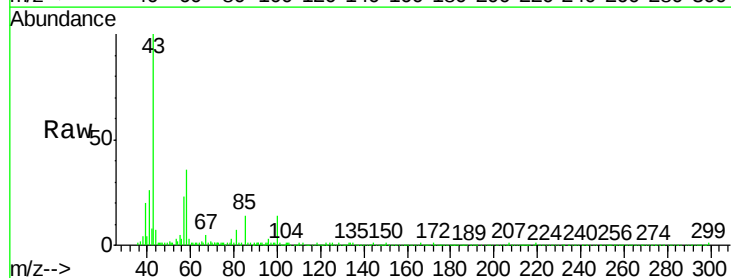
Manual Integrations
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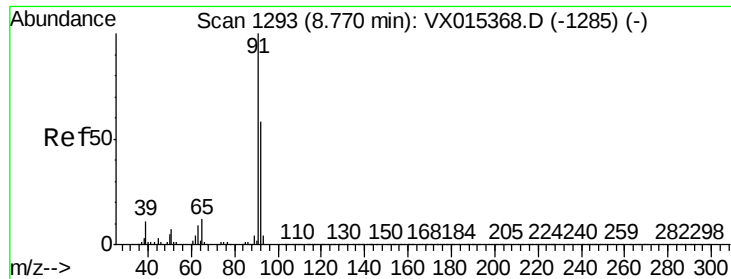
MMDadoda
4/7/2020 11:59:13 AM



#51
4-Methyl-2-Pentanone
Concen: 3.960 ug/l
RT: 8.62 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion: 43 Resp: 81210
Ion Ratio Lower Upper
43 100
58 36.5 29.7 44.5





#52

Toluene

Concen: 89.888 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015509.D

Acq: 06 Apr 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

40772

Tot Ion: 92 Resp: 2672328

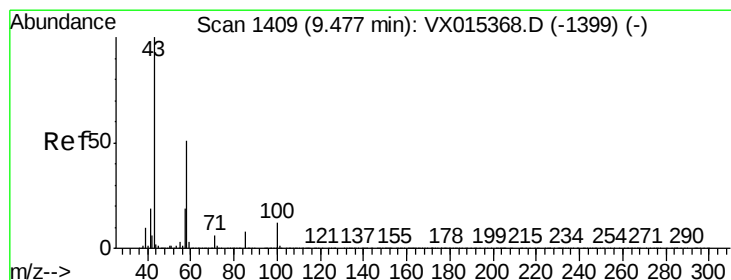
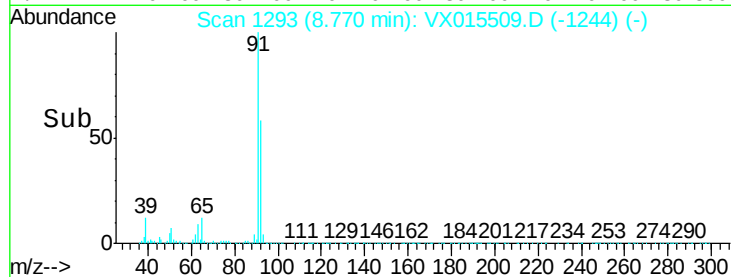
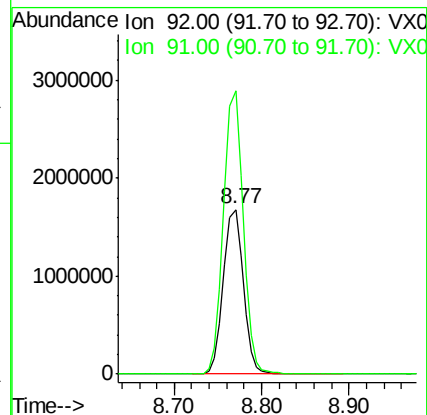
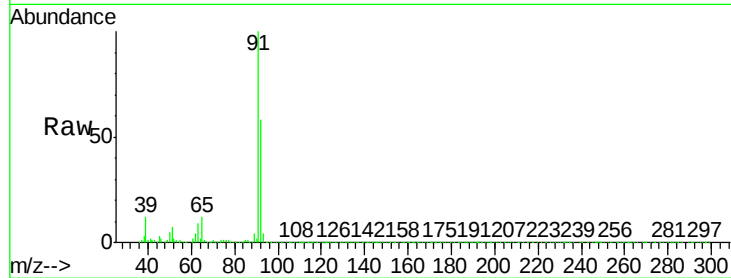
Ion Ratio Lower Upper

92 100

91 169.5 136.6 205.0

Manual Integrations
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#59

2-Hexanone

Concen: 3.354 ug/l

RT: 9.48 min Scan# 1409

Delta R.T. 0.00 min

Lab File: VX015509.D

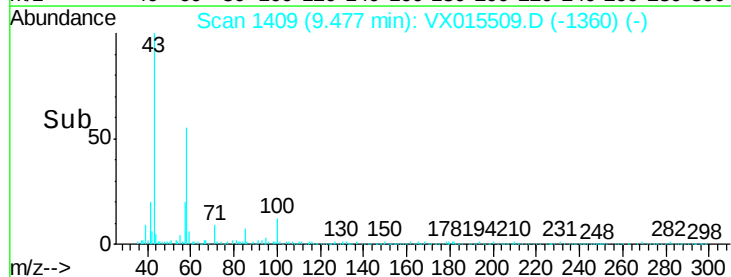
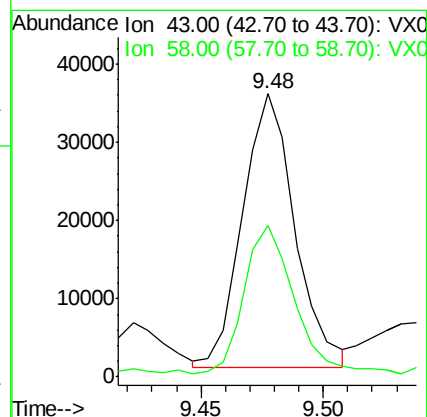
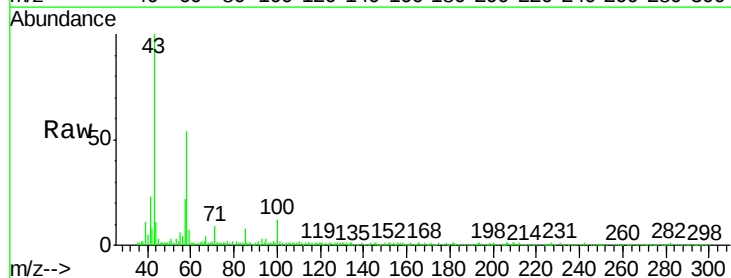
Acq: 06 Apr 2020 13:55

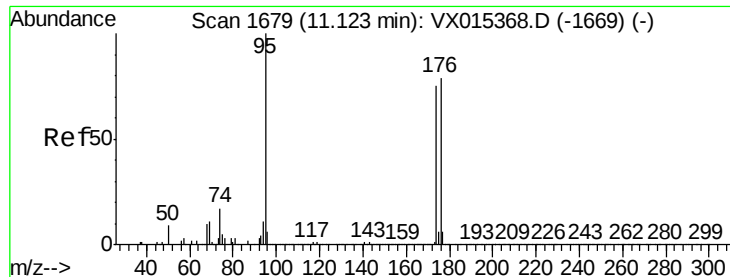
Tgt Ion: 43 Resp: 51918

Ion Ratio Lower Upper

43 100

58 52.1 25.6 76.6





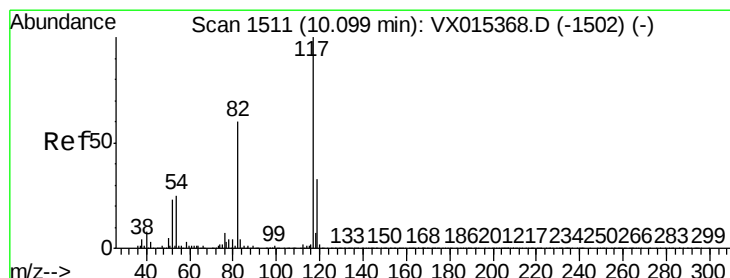
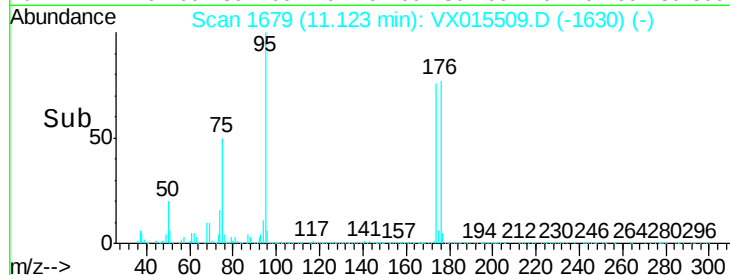
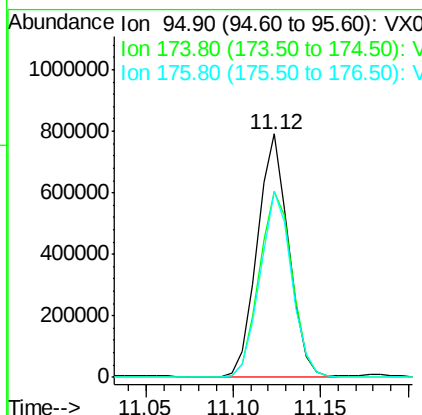
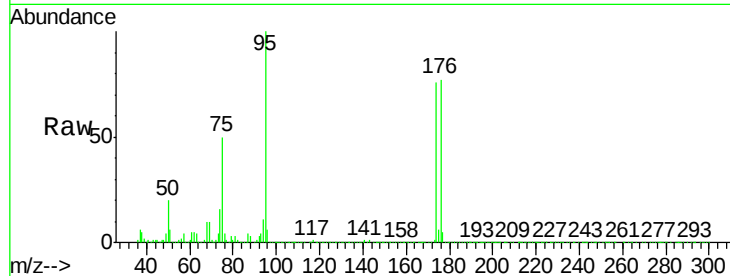
#62
4-Bromofluorobenzene
Concen: 57.712 ug/l
RT: 11.12 min Scan# 1679
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion	Ratio	Resp	Lower	Upper
95	100	986193		
174	80.3	0.0	158.6	
176	77.1	0.0	159.0	

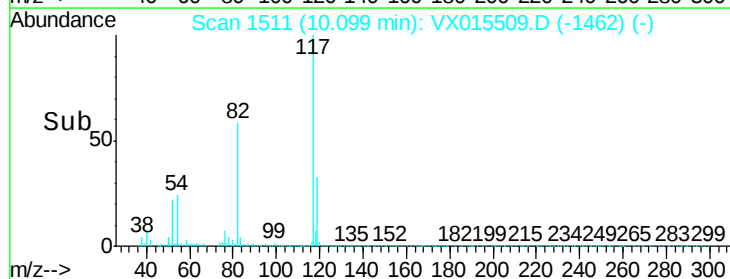
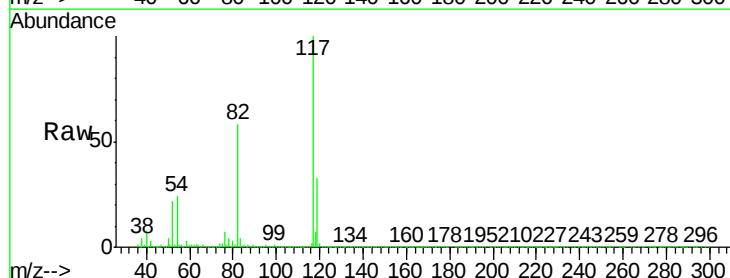
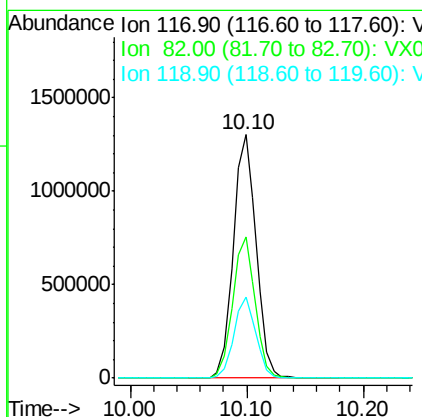
Manual Integrations
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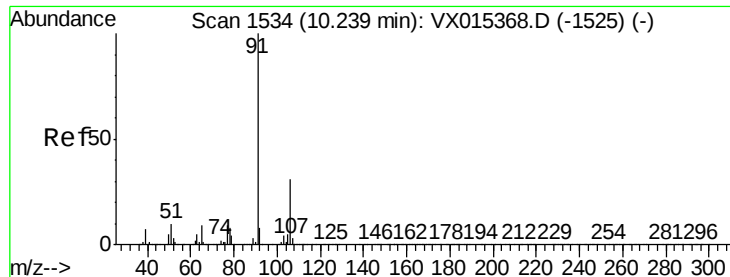
MMDadoda
4/7/2020 11:59:13 AM



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1511
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	1774498		
82	58.0	47.8	71.8	
119	33.2	26.8	40.2	





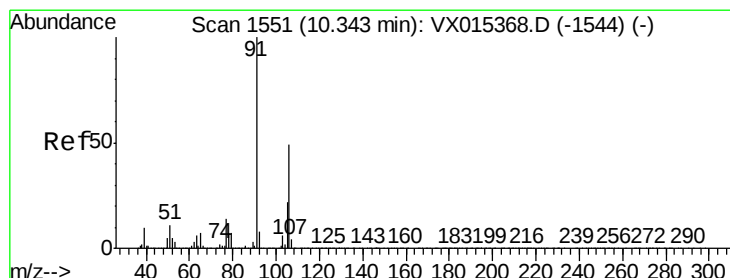
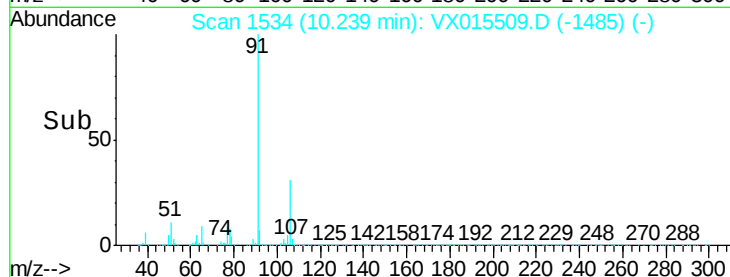
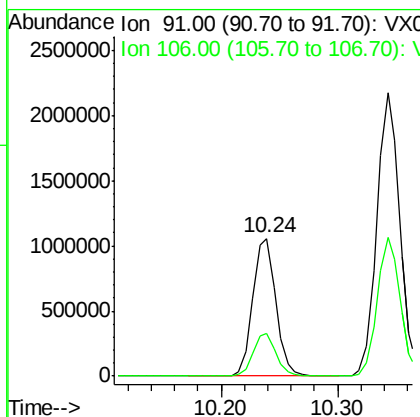
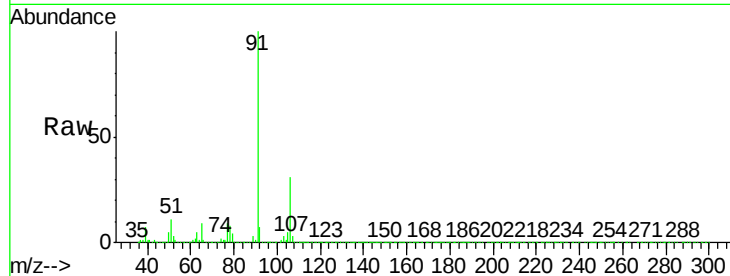
#67
Ethyl Benzene
Concen: 23.360 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampled :
40772

Tot Ion: 91 Resp: 1466211
Ion Ratio Lower Upper
91 100
106 31.2 24.8 37.2

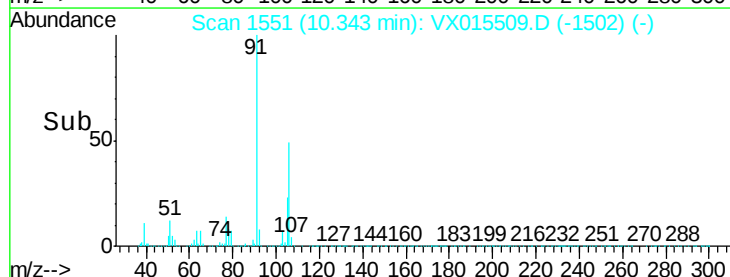
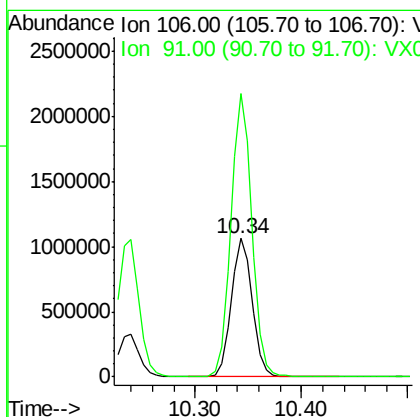
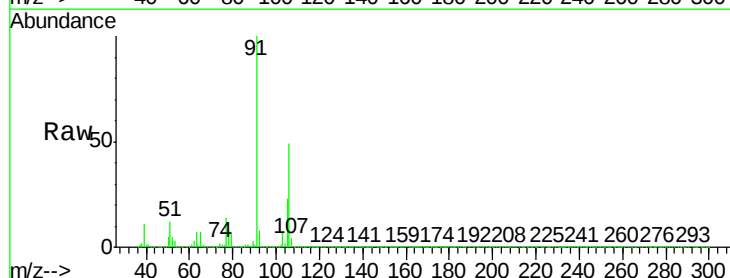
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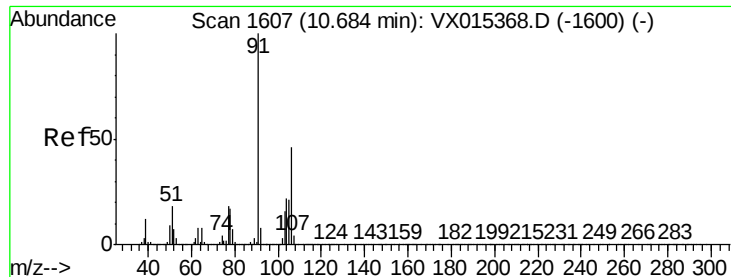
MMDadoda
4/7/2020 11:59:13 AM



#68
m/p-Xylenes
Concen: 62.733 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion: 106 Resp: 1466185
Ion Ratio Lower Upper
106 100
91 203.9 163.4 245.0





#69

o-Xylene

Concen: 69.000 ug/l

RT: 10.68 min Scan# 1607

Delta R.T. 0.00 min

Lab File: VX015509.D

Acq: 06 Apr 2020 13:55

Instrument :

MSVOA_X

ClientSampled :

40772

Tot Ion:106 Resp: 1593573

Ion Ratio Lower Upper

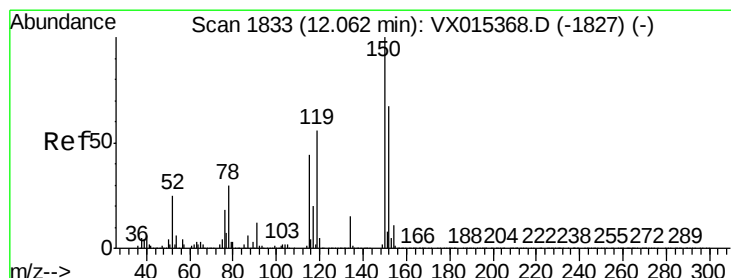
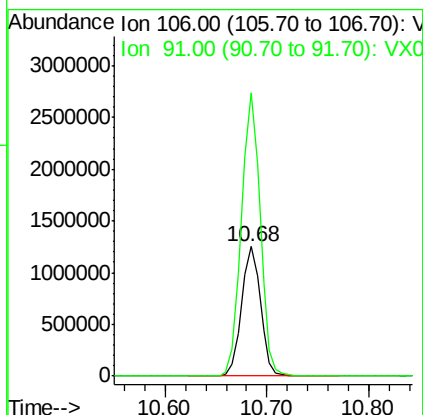
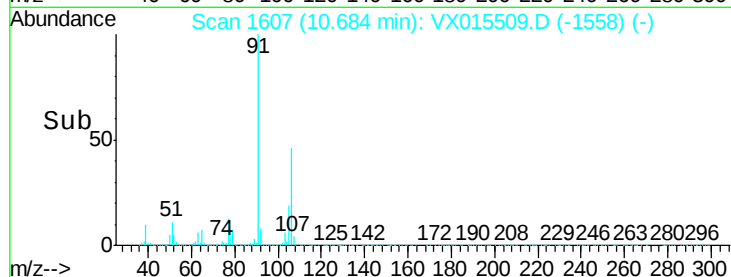
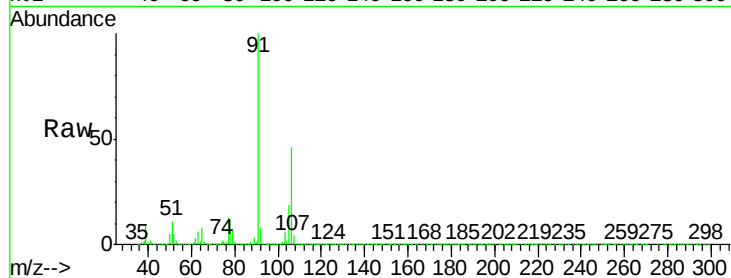
106 100

91 218.3 107.1 321.3

Manual Integrations
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#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.06 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VX015509.D

Acq: 06 Apr 2020 13:55

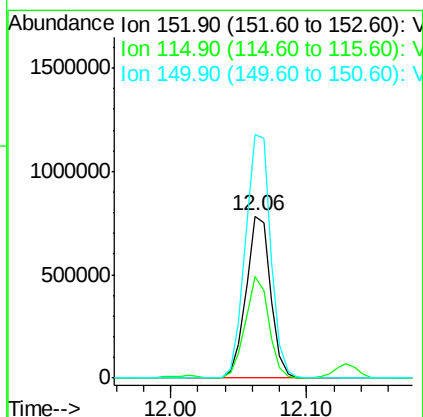
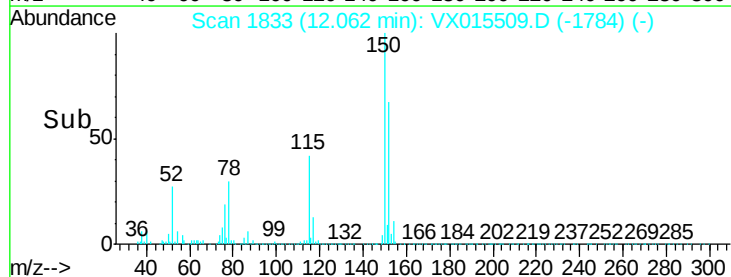
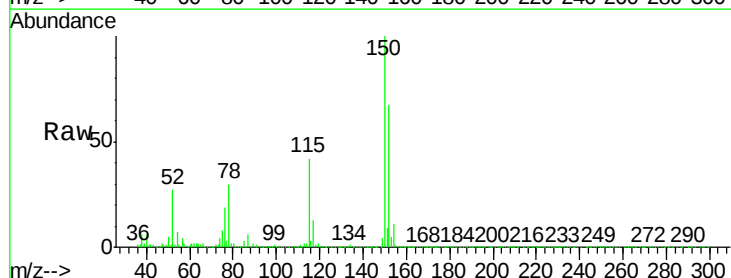
Tgt Ion:152 Resp: 985110

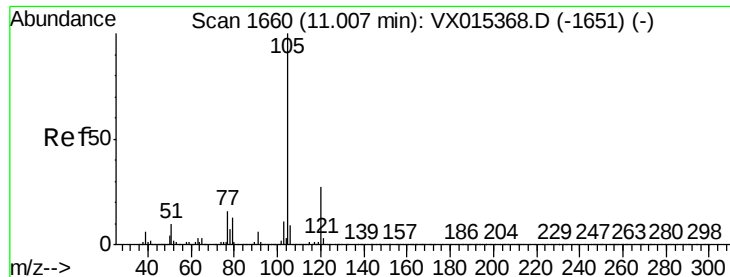
Ion Ratio Lower Upper

152 100

115 60.2 39.0 116.9

150 155.9 0.0 340.8





#73

Isopropylbenzene

Concen: 2.196 ug/l

RT: 11.00 min Scan# 1659

Delta R.T. -0.01 min

Lab File: VX015509.D

Acq: 06 Apr 2020 13:55

Instrument :

MSVOA_X

ClientSampleId :

40772

Tot Ion:105 Resp: 141734

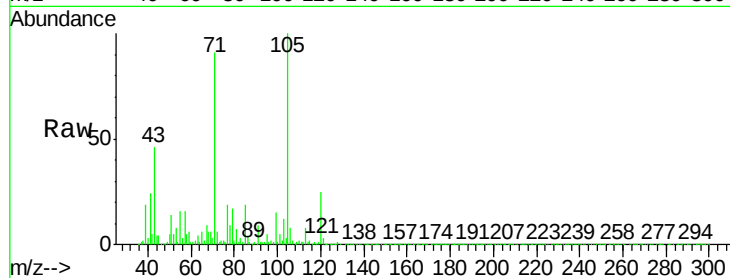
Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5

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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

120000

100000

80000

60000

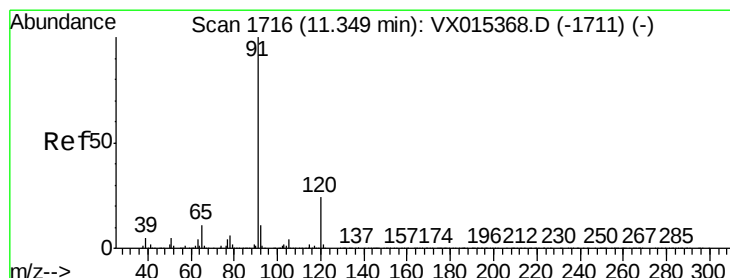
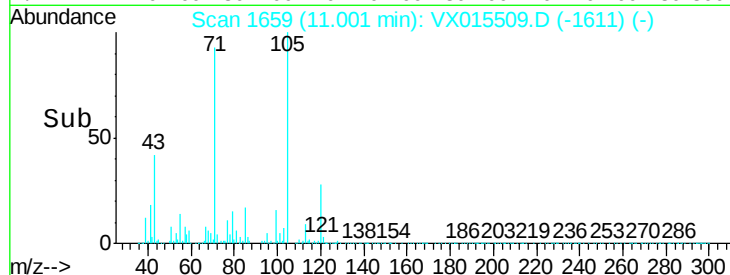
40000

20000

0

10.95 11.00 11.05

Time-->



#78

n-propylbenzene

Concen: 7.647 ug/l

RT: 11.34 min Scan# 1715

Delta R.T. -0.01 min

Lab File: VX015509.D

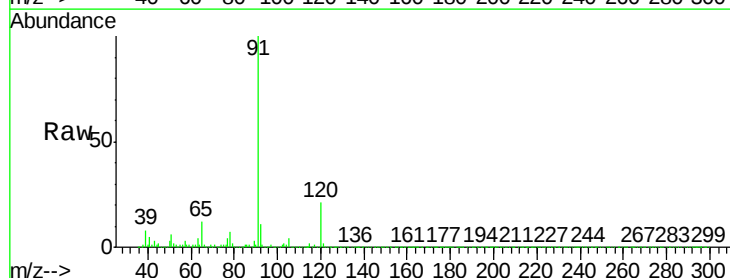
Acq: 06 Apr 2020 13:55

Tgt Ion: 91 Resp: 564425

Ion Ratio Lower Upper

91 100

120 21.9 11.7 35.0



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V

500000

400000

300000

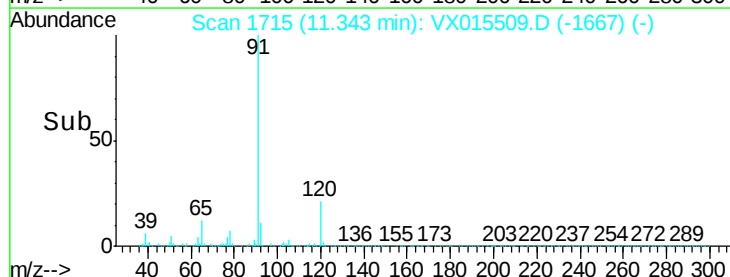
200000

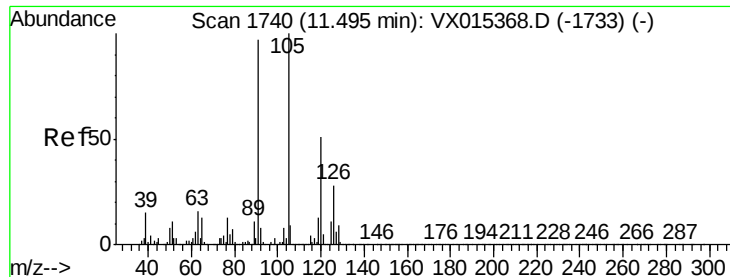
100000

0

11.30 11.35 11.40

Time-->





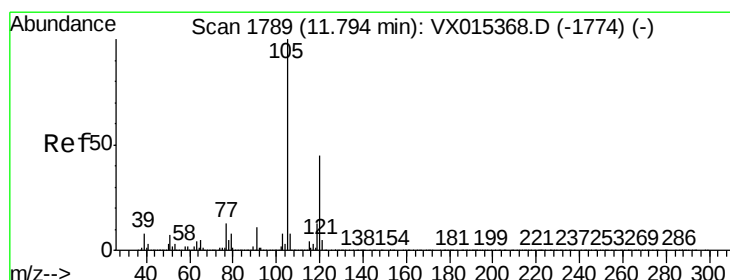
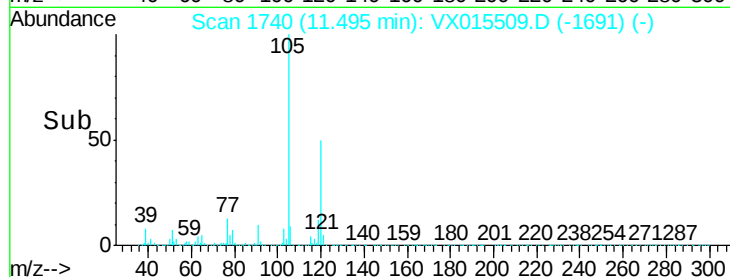
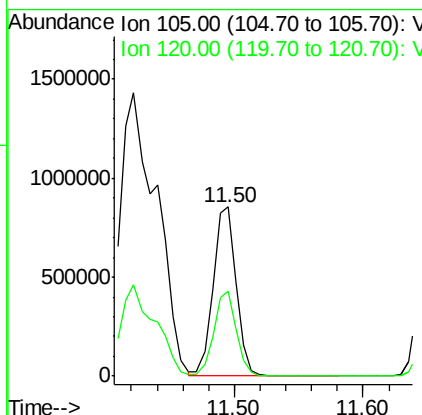
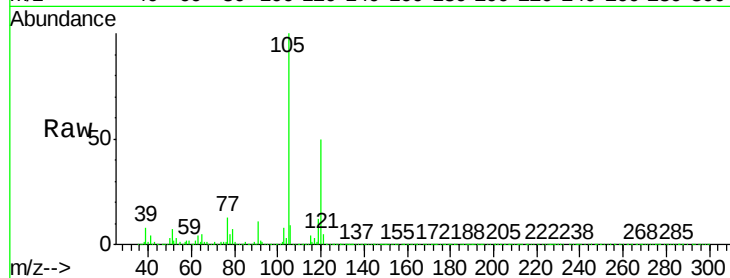
#80
 1,3,5-Trimethylbenzene
 Concen: 19.533 ug/l
 RT: 11.50 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VX015509.D
 Acq: 06 Apr 2020 13:55

Instrument :
 MSVOA_X
 ClientSampleId :
 40772

Tot Ion:105 Resp: 1076761
 Ion Ratio Lower Upper
 105 100
 120 48.9 24.8 74.4

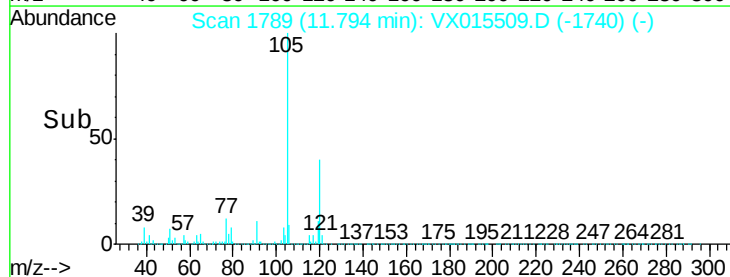
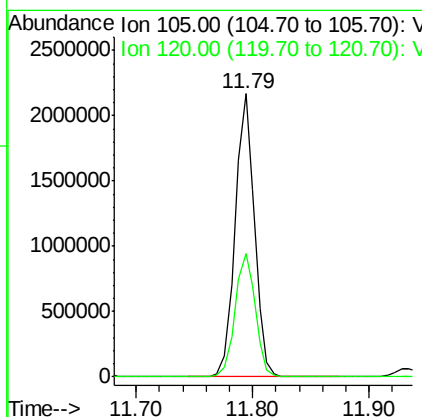
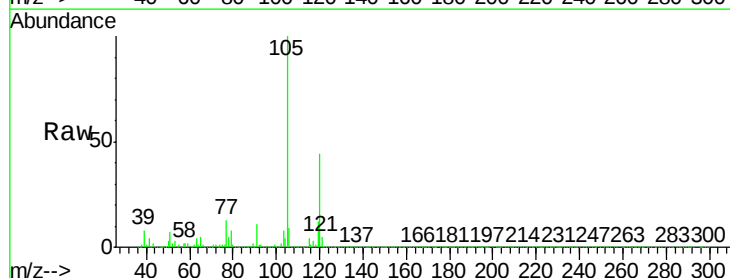
Manual Integrations
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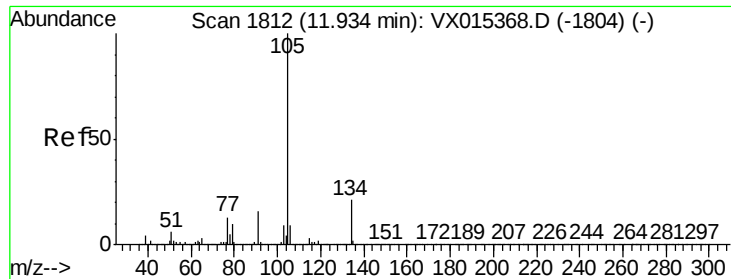
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#84
 1,2,4-Trimethylbenzene
 Concen: 44.450 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX015509.D
 Acq: 06 Apr 2020 13:55

Tgt Ion:105 Resp: 2496952
 Ion Ratio Lower Upper
 105 100
 120 45.7 22.7 68.1





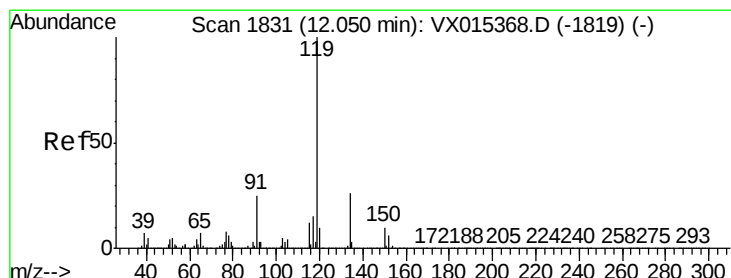
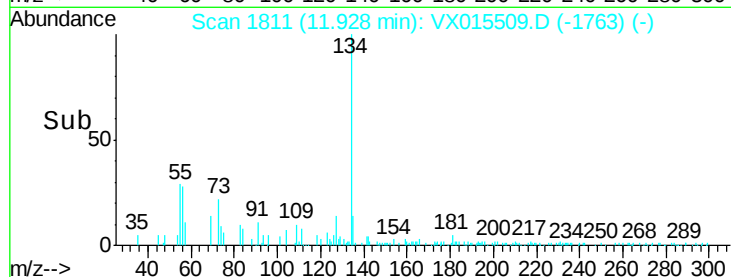
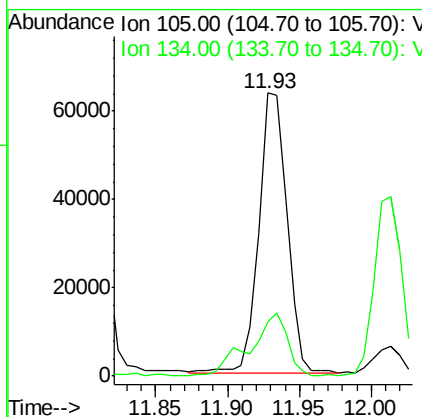
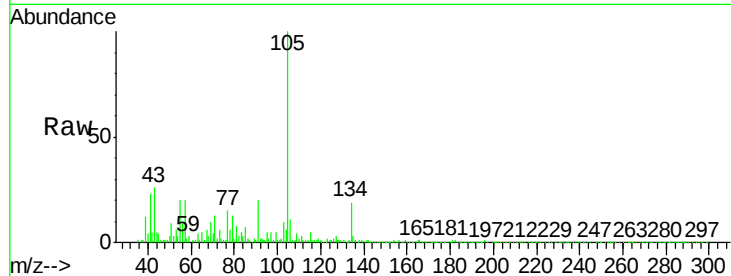
#85
 sec-Butylbenzene
 Concen: 1.371 ug/l
 RT: 11.93 min Scan# 1811
 Delta R.T. -0.01 min
 Lab File: VX015509.D
 Acq: 06 Apr 2020 13:55

Instrument :
 MSVOA_X
 ClientSampled :
 40772

Tot Ion	Ratio	Lower	Upper
105	100		
134	29.3	10.4	31.1

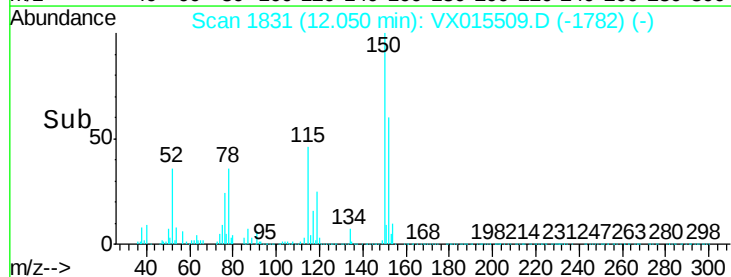
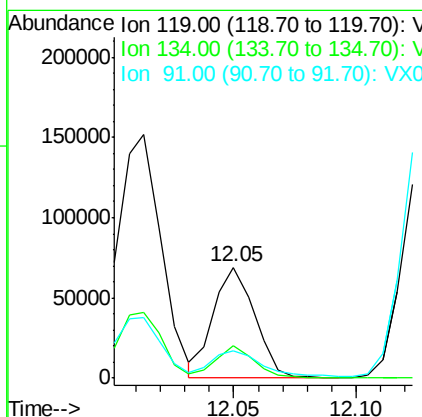
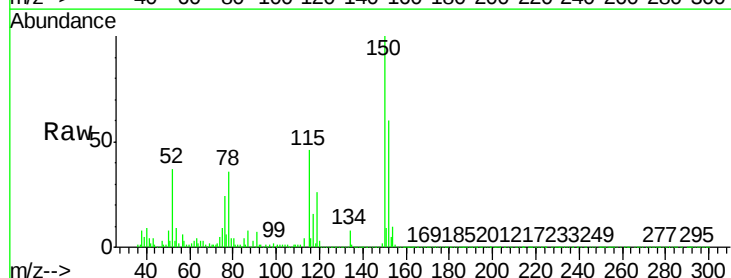
Manual Integrations
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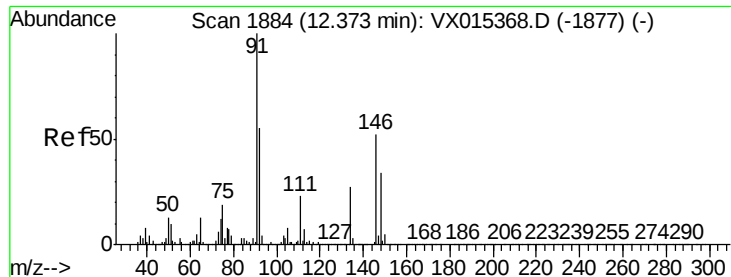
MMDadoda
 4/7/2020 11:59:13 AM



#86
 p-Isopropyltoluene
 Concen: 1.391 ug/l
 RT: 12.05 min Scan# 1831
 Delta R.T. 0.00 min
 Lab File: VX015509.D
 Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.5	13.1	39.3
91	26.3	12.4	37.4





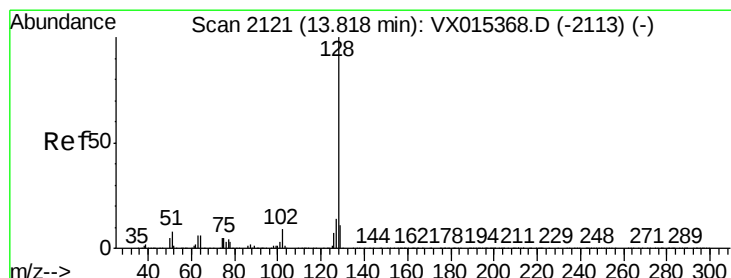
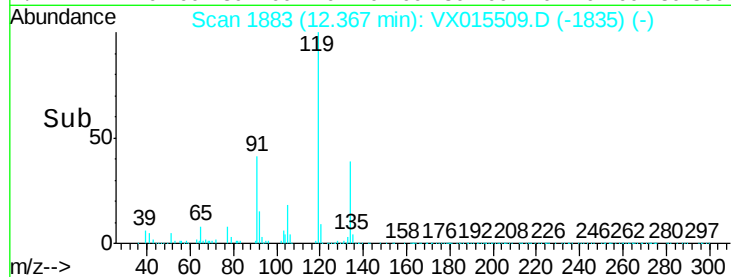
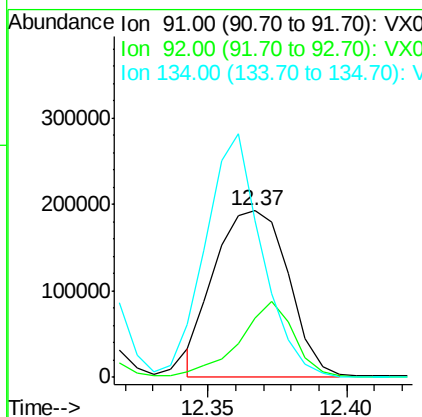
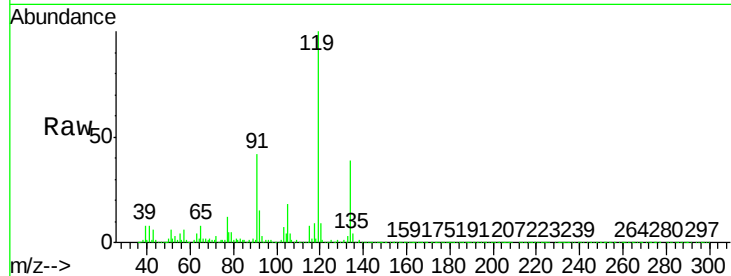
#89
n-Butylbenzene
Concen: 6.858 ug/l m
RT: 12.37 min Scan# 1883
Delta R.T. -0.01 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Instrument :
MSVOA_X
ClientSampleId :
40772

Tot Ion	Ratio	Lower	Upper
91	100		
92	33.1	27.2	81.5
134	111.5	13.4	40.2#

Manual Integrations
APPROVED

MMDadoda
4/7/2020 11:59:13 AM



#95
Naphthalene
Concen: 8.276 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015509.D
Acq: 06 Apr 2020 13:55

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.6	10.6	15.8
129	13.1	8.8	13.2

