

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX042020\
 Data File : VX015763.D
 Acq On : 20 Apr 2020 14:19
 Operator : JC/SP
 Sample : L2305-02DL 20X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 I-L-C-1DL

Manual Integrations
 APPROVED

MMDadoda
 4/21/2020 12:16:00 PM

Quant Time: Apr 20 15:54:40 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	1060801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	1645901	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	1611256	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	870775	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	608873	40.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	81.40%	
35) Dibromofluoromethane	5.47	113	506998	48.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.38%	
50) Toluene-d8	8.70	98	1972942	50.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.86%	
62) 4-Bromofluorobenzene	11.12	95	823299	52.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.60%	
Target Compounds						
16) Acetone	2.42	43	168523	26.218	ug/l	Qvalue 100
17) Carbon Disulfide	2.54	76	27993714m	916.275	ug/l	
25) 2-Butanone	4.65	43	34437m	3.331	ug/l	
40) Benzene	6.12	78	342907	7.719	ug/l	96
52) Toluene	8.77	92	101418	3.703	ug/l	95
67) Ethyl Benzene	10.24	91	71508	1.255	ug/l	98
68) m/p-Xylenes	10.34	106	117933	5.557	ug/l	96
69) o-Xylene	10.68	106	46477	2.216	ug/l	97
80) 1,3,5-Trimethylbenzene	11.49	105	17631	0.362	ug/l	97
84) 1,2,4-Trimethylbenzene	11.79	105	61686	1.242	ug/l	96
86) p-Isopropyltoluene	12.05	119	14232	0.279	ug/l #	78
95) Naphthalene	13.82	128	4511846	70.135	ug/l	100

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

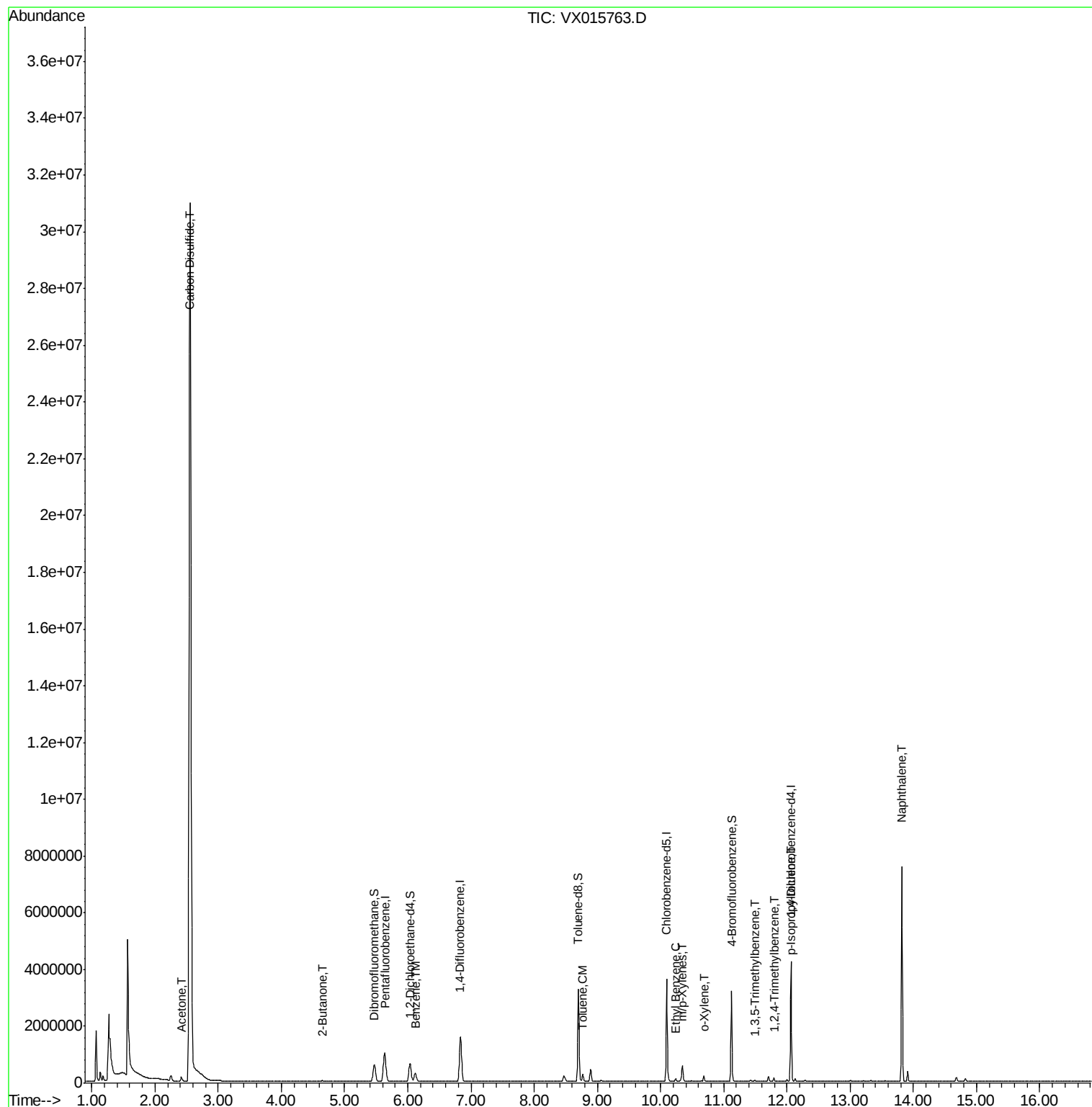
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX042020\
Data File : VX015763.D
Acq On : 20 Apr 2020 14:19
Operator : JC/SP
Sample : L2305-02DL 20X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 8 Sample Multiplier: 1

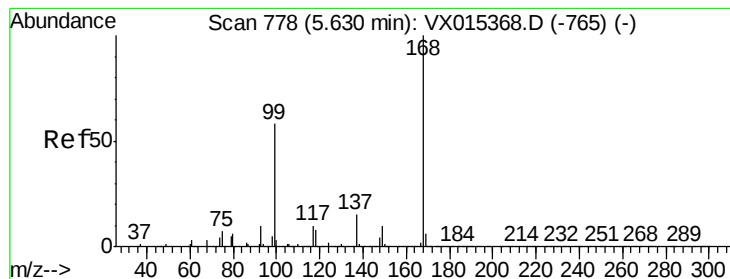
Instrument :
MSVOA_X
ClientSampleId :
I-L-C-1DL

Manual Integrations
APPROVED

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4/21/2020 12:16:00 PM

Quant Time: Apr 20 15:54:40 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: VX015763.D

Acq: 20 Apr 2020 14:19

Instrument :

MSVOA_X

ClientSampled :

I-L-C-1DL

Tot Ion:168 Resp: 1060801

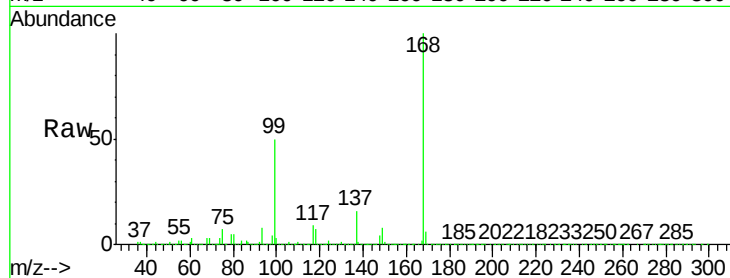
Ion Ratio Lower Upper

168 100

99 49.6 46.4 69.6

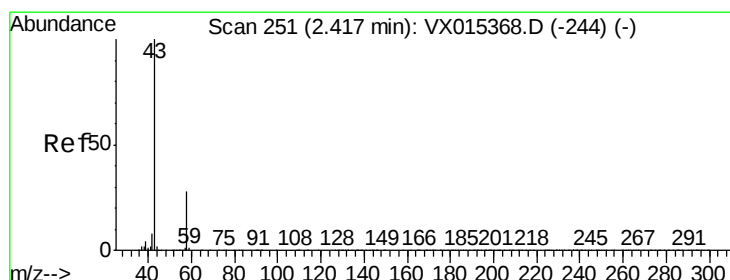
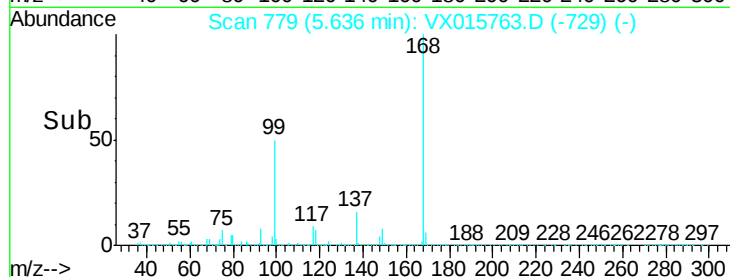
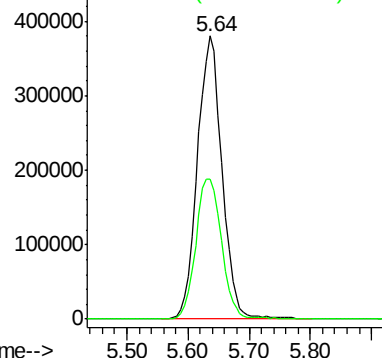
Manual Integrations
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 26.218 ug/l

RT: 2.42 min Scan# 251

Delta R.T. 0.00 min

Lab File: VX015763.D

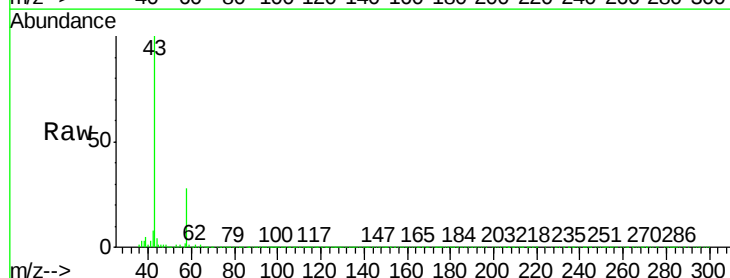
Acq: 20 Apr 2020 14:19

Tgt Ion: 43 Resp: 168523

Ion Ratio Lower Upper

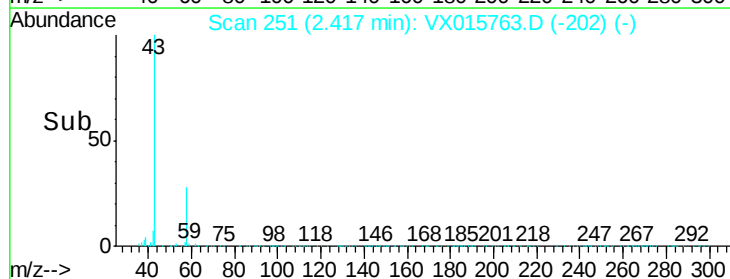
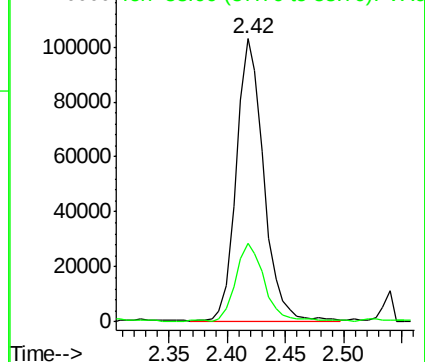
43 100

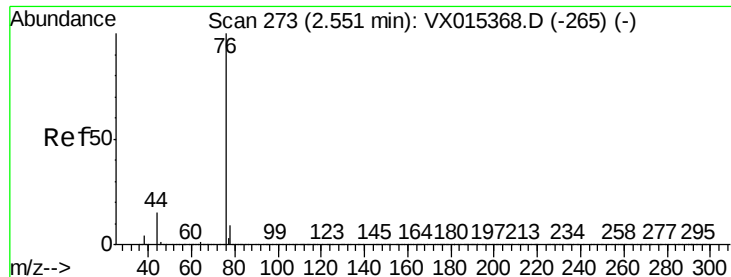
58 27.3 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





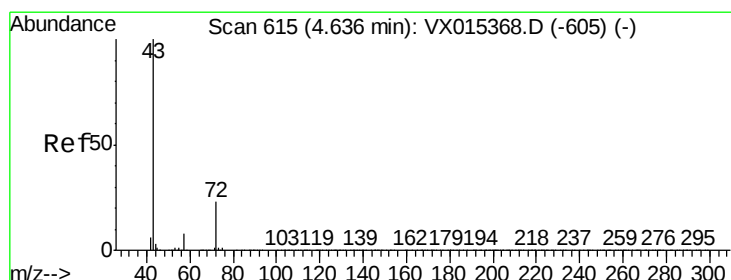
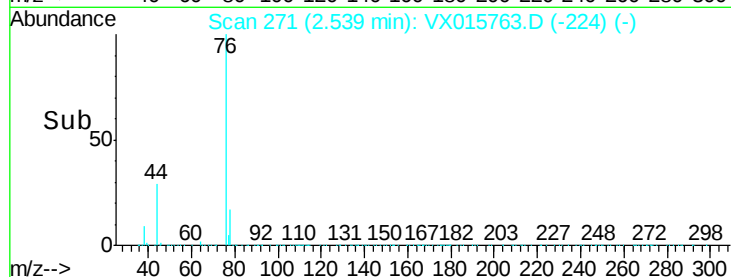
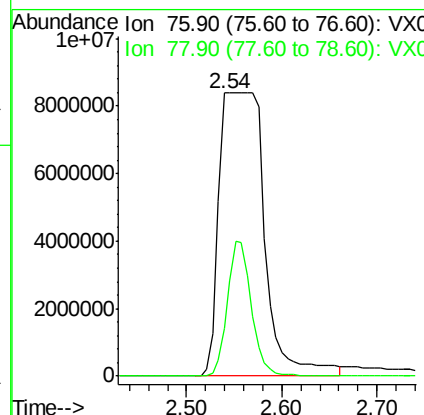
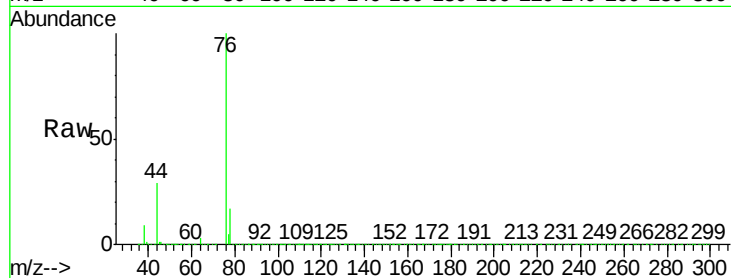
#17
Carbon Disulfide
Concen: 916.275 ug/l m
RT: 2.54 min Scan# 271
Delta R.T. -0.01 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Instrument :
MSVOA_X
ClientSampleId :
I-L-C-1DL

Tot Ion: 76 Resp: 27993714
Ion Ratio Lower Upper
76 100
78 16.8 7.1 10.7#

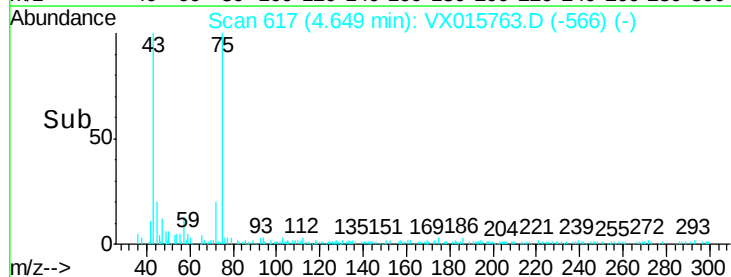
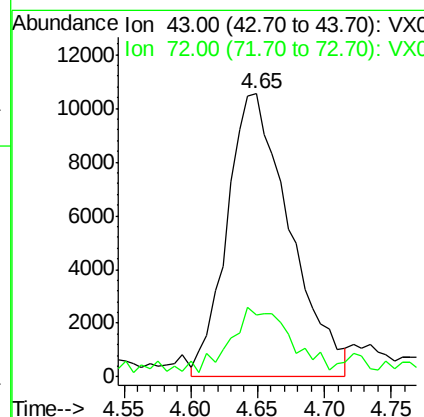
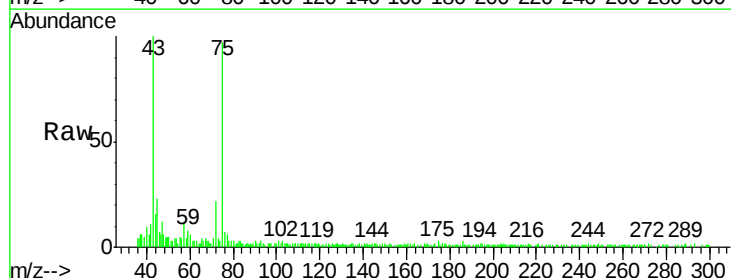
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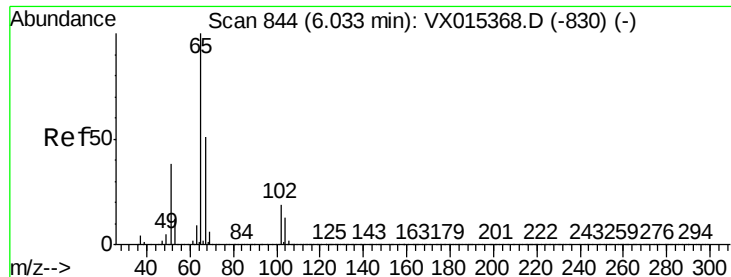
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#25
2-Butanone
Concen: 3.331 ug/l m
RT: 4.65 min Scan# 617
Delta R.T. 0.01 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Tgt Ion: 43 Resp: 34437
Ion Ratio Lower Upper
43 100
72 21.9 19.0 28.4





#33

1,2-Dichloroethane-d4

Concen: 40.696 ug/l

RT: 6.03 min Scan# 844

Delta R.T. 0.00 min

Lab File: VX015763.D

Acq: 20 Apr 2020 14:19

Instrument :

MSVOA_X

ClientSampled :

I-L-C-1DL

Tot Ion: 65 Resp: 608873

Ion Ratio Lower Upper

65 100

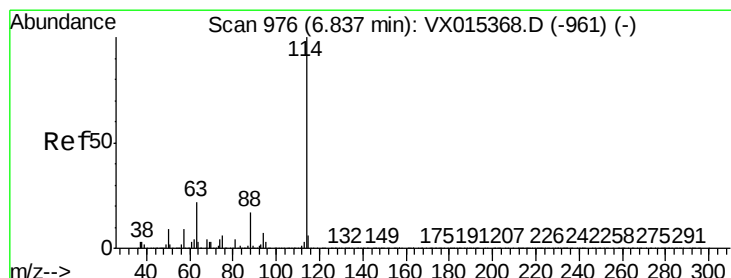
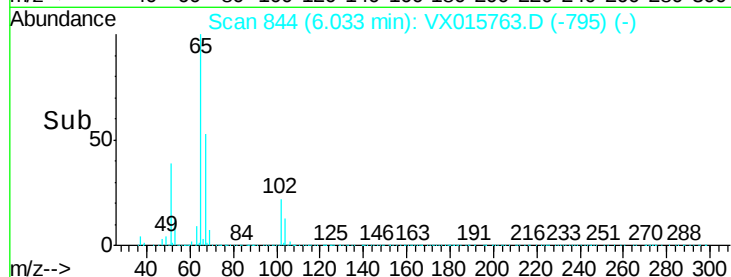
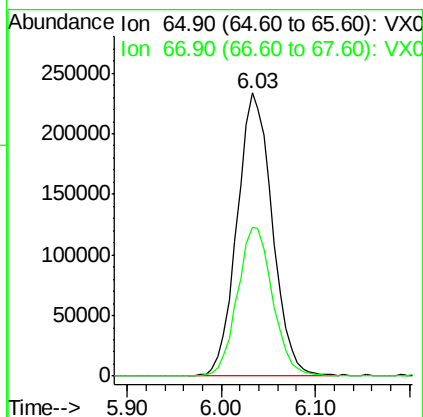
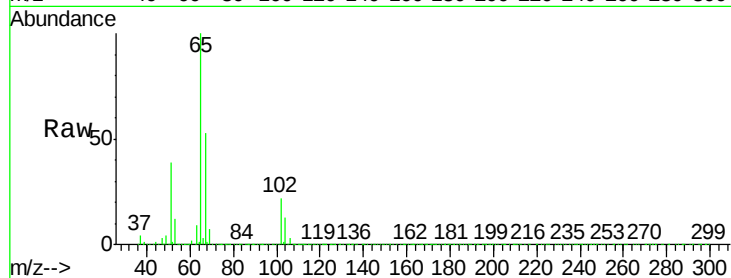
67 52.7 0.0 102.6

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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: VX015763.D

Acq: 20 Apr 2020 14:19

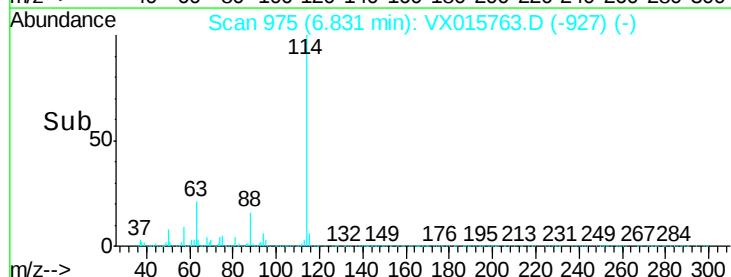
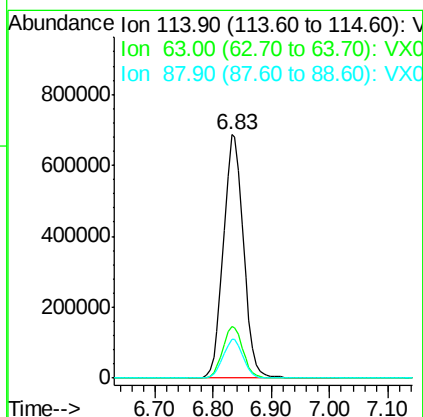
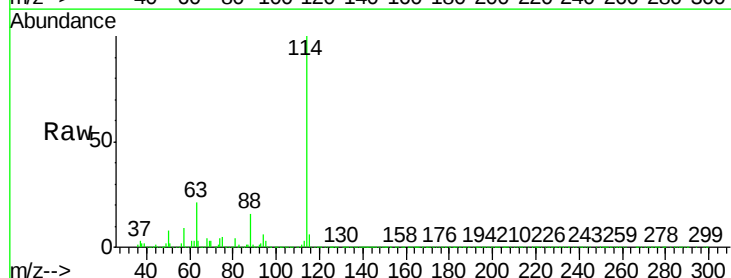
Tgt Ion: 114 Resp: 1645901

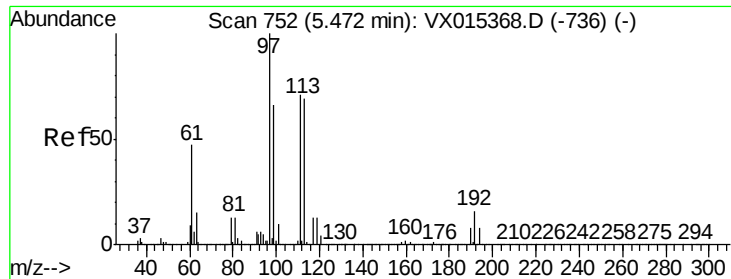
Ion Ratio Lower Upper

114 100

63 21.0 0.0 44.2

88 15.8 0.0 33.8





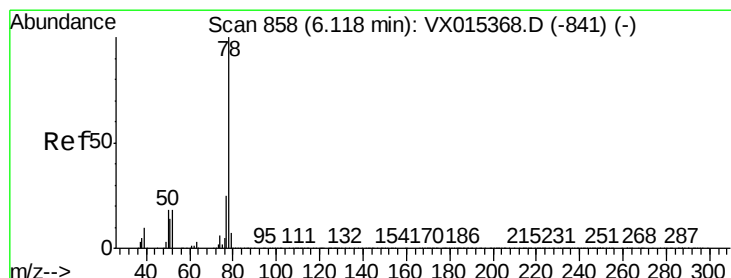
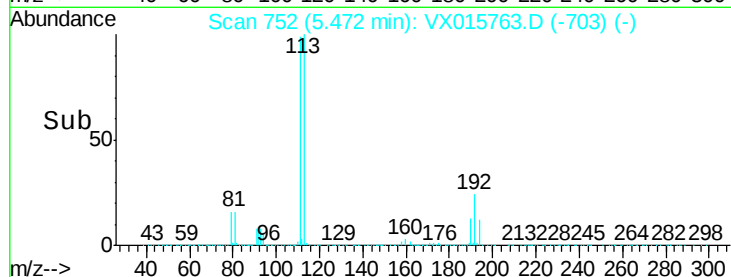
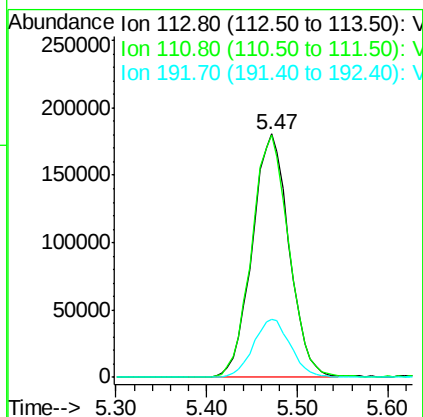
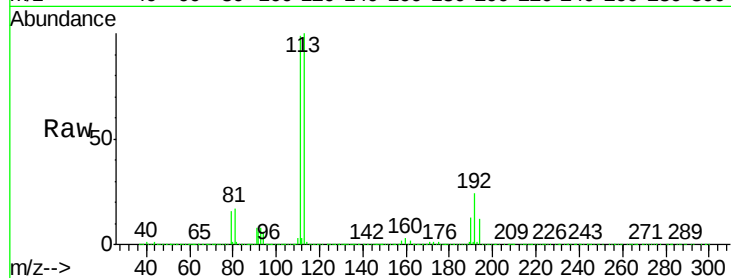
#35
Dibromofluoromethane
Concen: 48.189 ug/l
RT: 5.47 min Scan# 752
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Instrument :
MSVOA_X
ClientSampleId :
I-L-C-1DL

Tot Ion	Ratio	Lower	Upper
113	100		
111	100.4	81.5	122.3
192	24.0	17.8	26.6

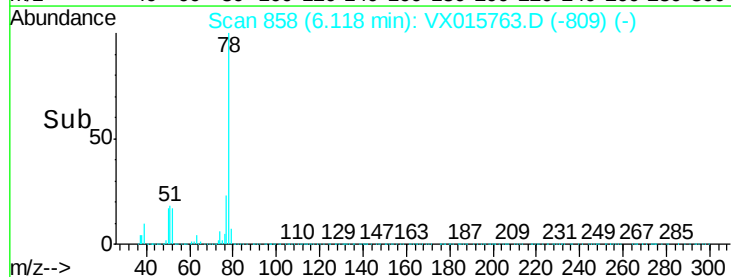
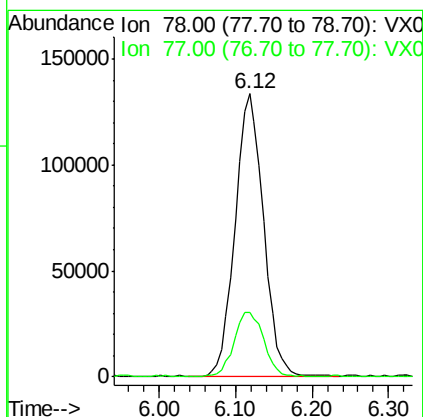
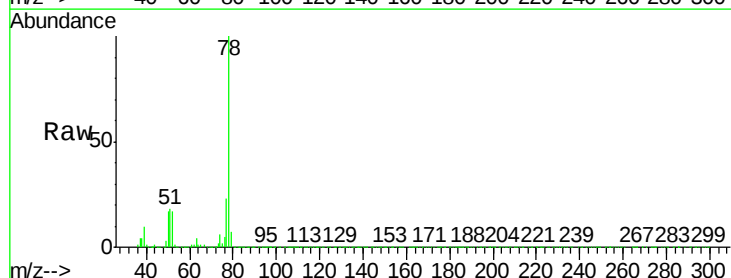
Manual Integrations
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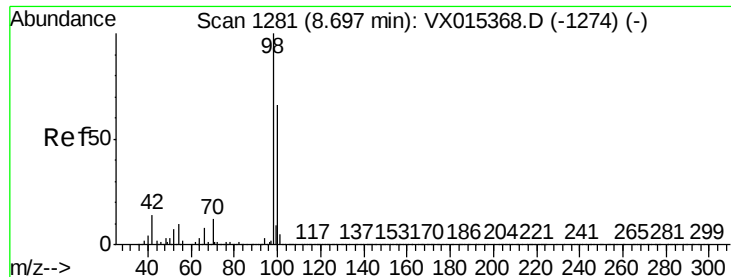
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#40
Benzene
Concen: 7.719 ug/l
RT: 6.12 min Scan# 858
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Tgt Ion	Ratio	Lower	Upper
78	100		
77	22.7	19.8	29.8





#50

Toluene-d8

Concen: 50.933 ug/l

RT: 8.70 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VX015763.D

Acq: 20 Apr 2020 14:19

Instrument :

MSVOA_X

ClientSampled :

I-L-C-1DL

Tot Ion: 98 Resp: 1972942

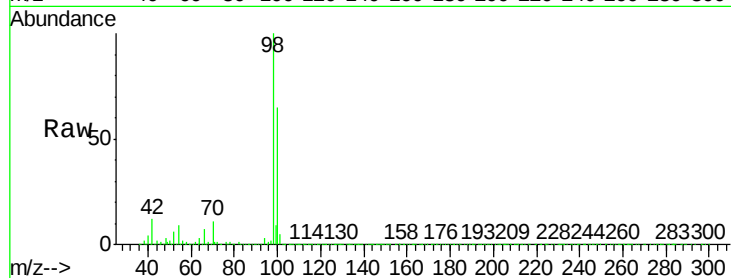
Ion Ratio Lower Upper

98 100

100 65.9 53.5 80.3

Manual Integrations
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4/21/2020 12:16:00 PM



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

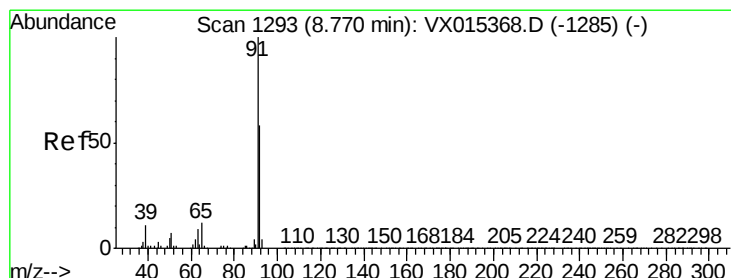
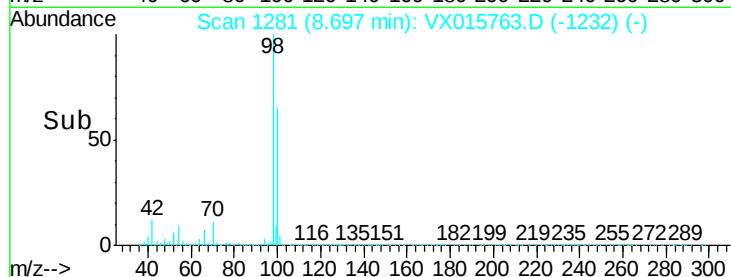
8.70

1000000

500000

0

Time-->



#52

Toluene

Concen: 3.703 ug/l

RT: 8.77 min Scan# 1293

Delta R.T. 0.00 min

Lab File: VX015763.D

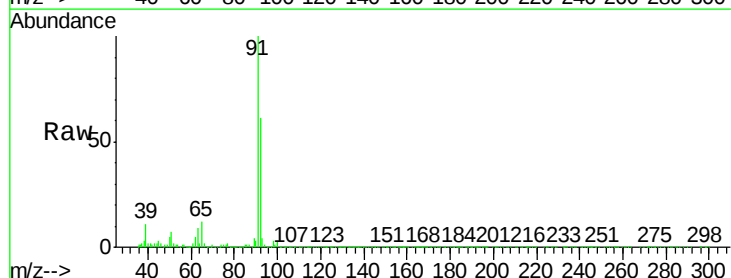
Acq: 20 Apr 2020 14:19

Tgt Ion: 92 Resp: 101418

Ion Ratio Lower Upper

92 100

91 163.8 136.6 205.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0

120000

100000

80000

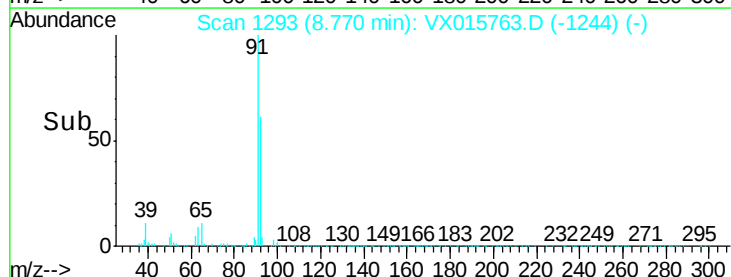
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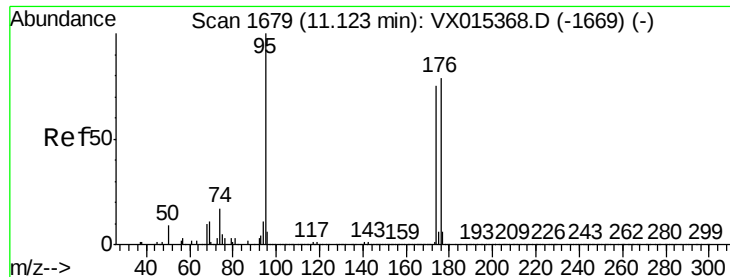
40000

20000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 52.299 ug/l

RT: 11.12 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VX015763.D

Acq: 20 Apr 2020 14:19

Instrument :

MSVOA_X

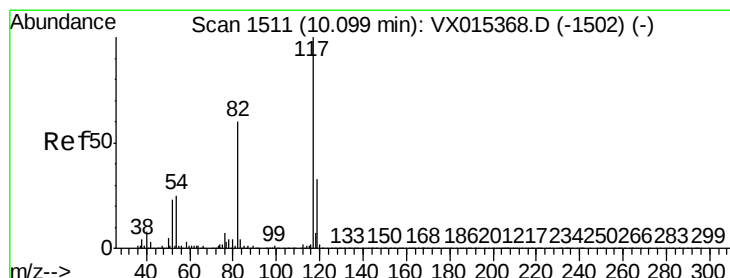
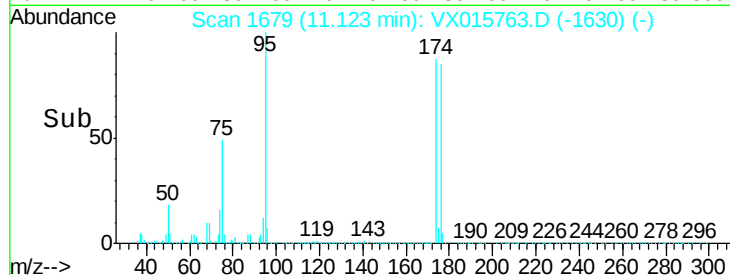
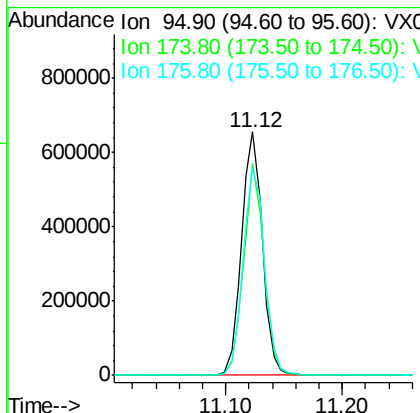
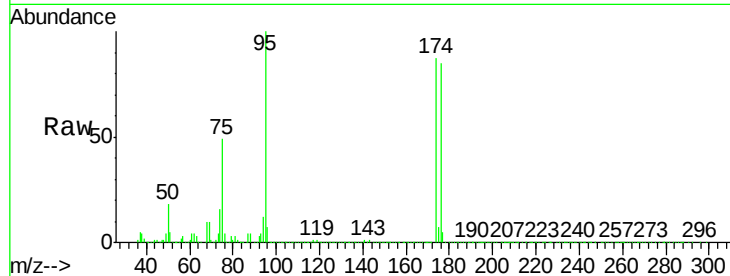
ClientSampled :

I-L-C-1DL

Tot Ion:	95	Resp:	823299
Ion Ratio	Lower	Upper	
95	100		
174	84.5	0.0	158.6
176	87.3	0.0	159.0

Manual Integrations
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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

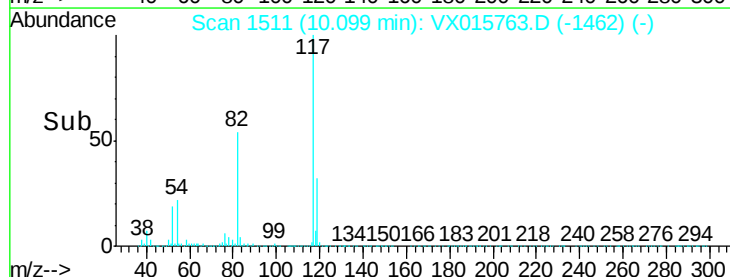
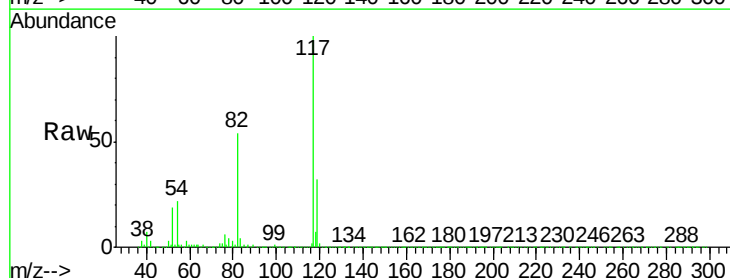
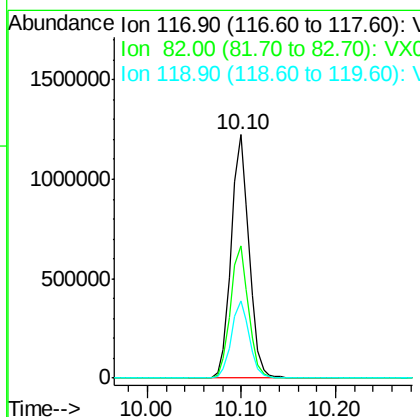
RT: 10.10 min Scan# 1511

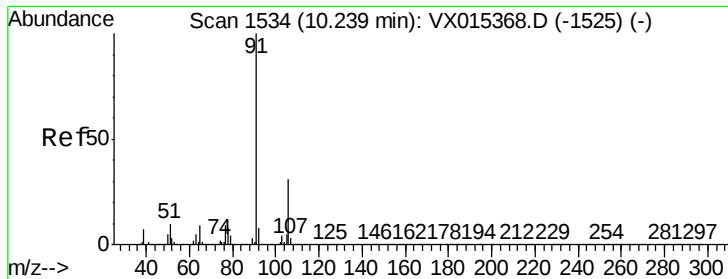
Delta R.T. 0.00 min

Lab File: VX015763.D

Acq: 20 Apr 2020 14:19

Tgt Ion:	117	Resp:	1611256
Ion Ratio	Lower	Upper	
117	100		
82	54.1	47.8	71.8
119	31.9	26.8	40.2





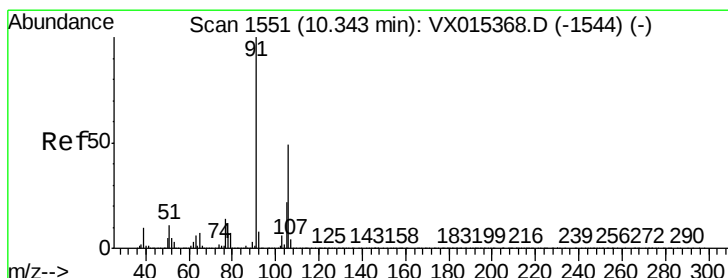
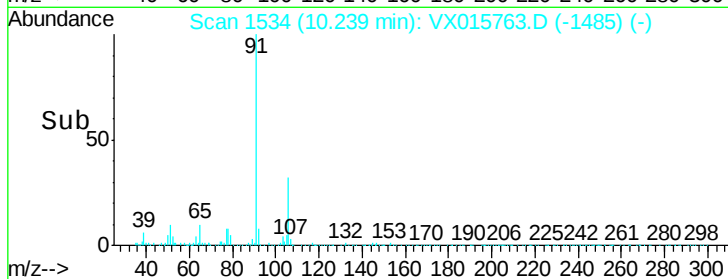
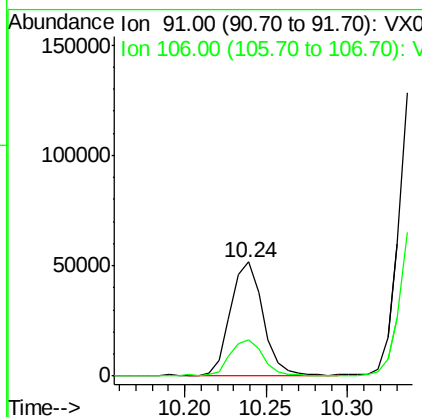
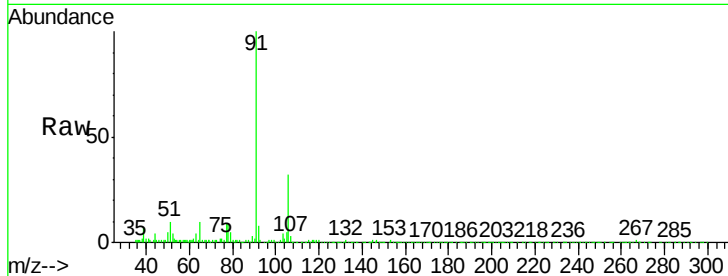
#67
Ethyl Benzene
Concen: 1.255 ug/l
RT: 10.24 min Scan# 1534
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Instrument :
MSVOA_X
ClientSampled :
I-L-C-1DL

Tot Ion: 91 Resp: 71508
Ion Ratio Lower Upper
91 100
106 32.1 24.8 37.2

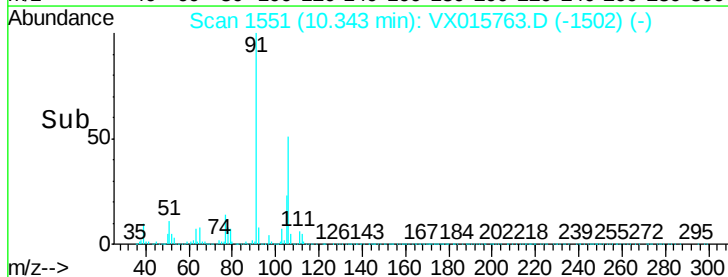
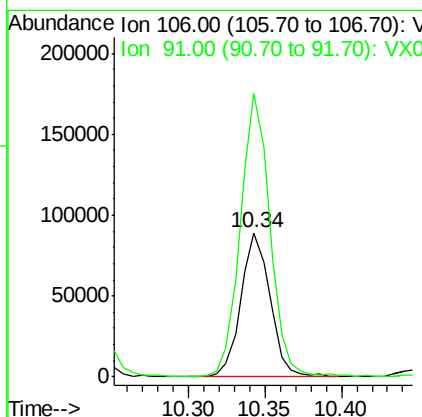
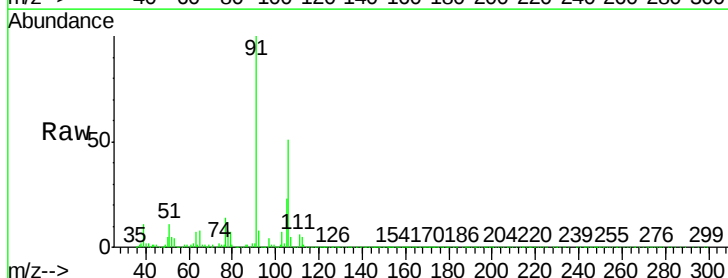
Manual Integrations
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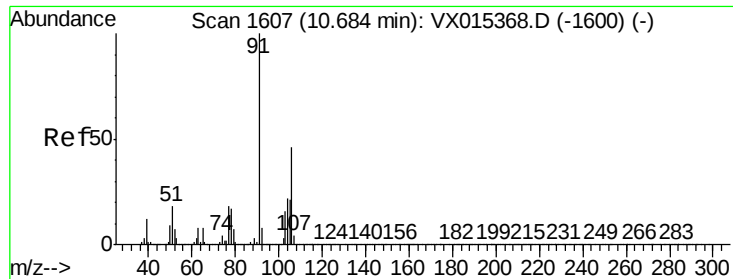
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#68
m/p-Xylenes
Concen: 5.557 ug/l
RT: 10.34 min Scan# 1551
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Tgt Ion: 106 Resp: 117933
Ion Ratio Lower Upper
106 100
91 197.9 163.4 245.0





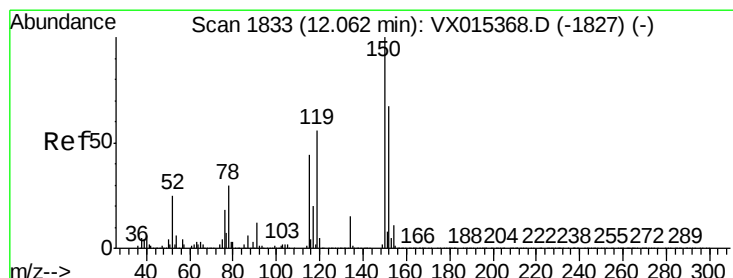
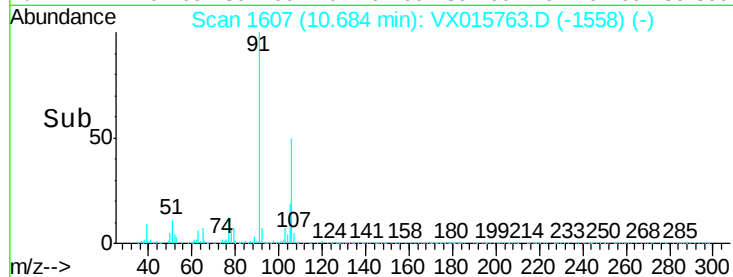
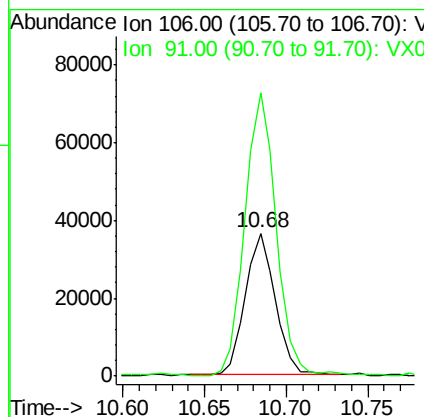
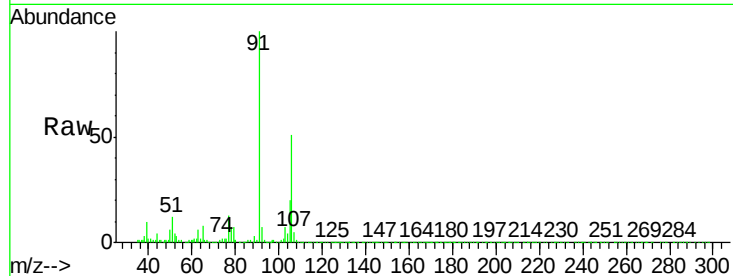
#69
o-Xylene
Concen: 2.216 ug/l
RT: 10.68 min Scan# 1607
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Instrument :
MSVOA_X
ClientSampled :
I-L-C-1DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.7	107.1	321.3

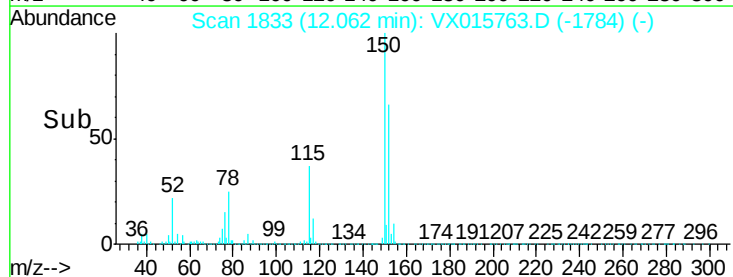
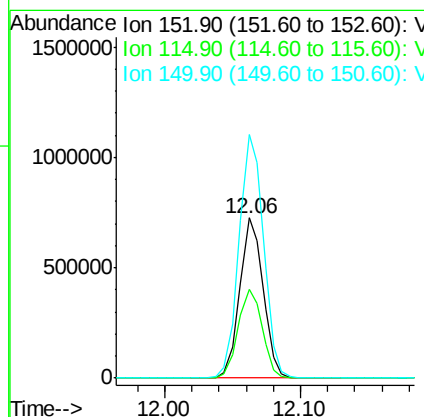
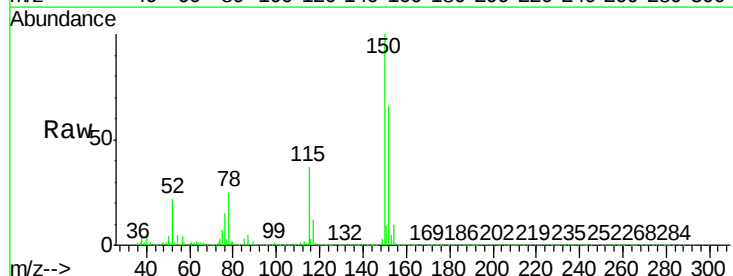
Manual Integrations
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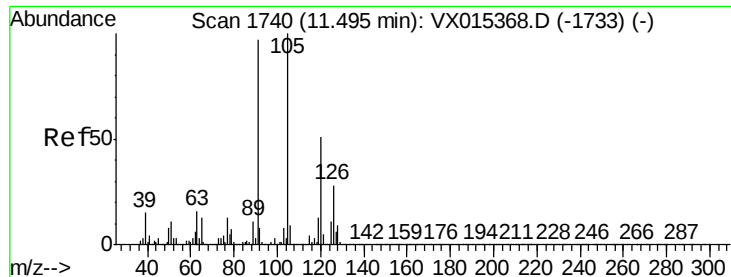
MMDadoda
4/21/2020 12:16:00 PM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.1	39.0	116.9
150	158.7	0.0	340.8





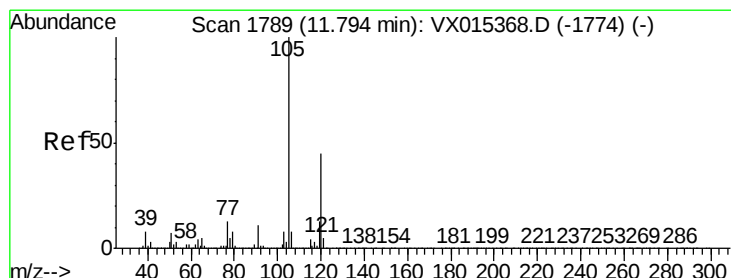
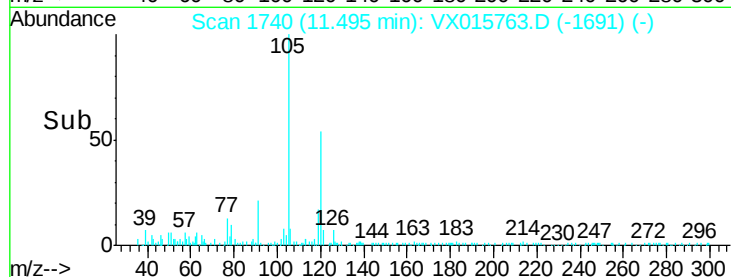
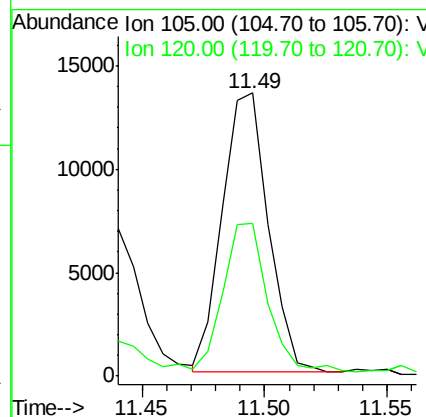
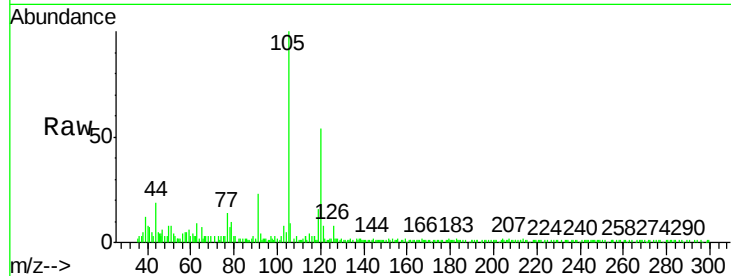
#80
 1,3,5-Trimethylbenzene
 Concen: 0.362 ug/l
 RT: 11.49 min Scan# 1740
 Delta R.T. 0.00 min
 Lab File: VX015763.D
 Acq: 20 Apr 2020 14:19

Instrument :
 MSVOA_X
 ClientSampleId :
 I-L-C-1DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	51.8	24.8	74.4

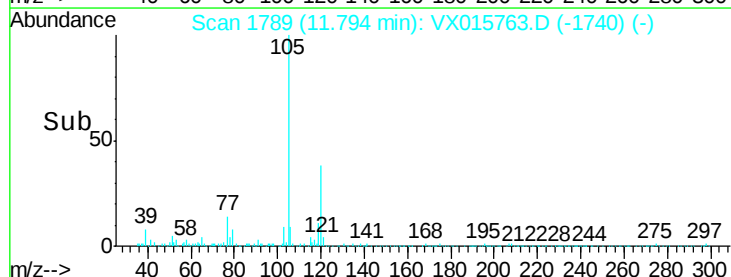
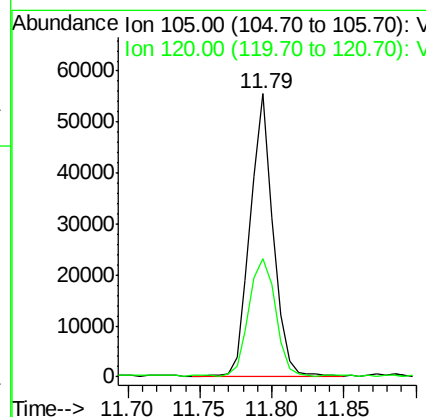
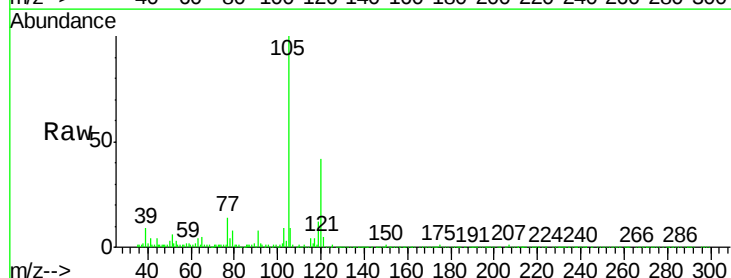
Manual Integrations
 APPROVED

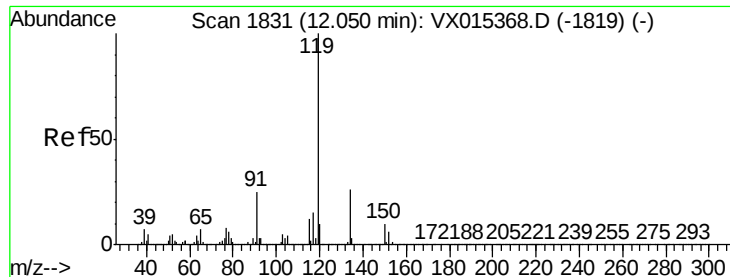
MMDadoda
 4/21/2020 12:16:00 PM



#84
 1,2,4-Trimethylbenzene
 Concen: 1.242 ug/l
 RT: 11.79 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX015763.D
 Acq: 20 Apr 2020 14:19

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.8	22.7	68.1





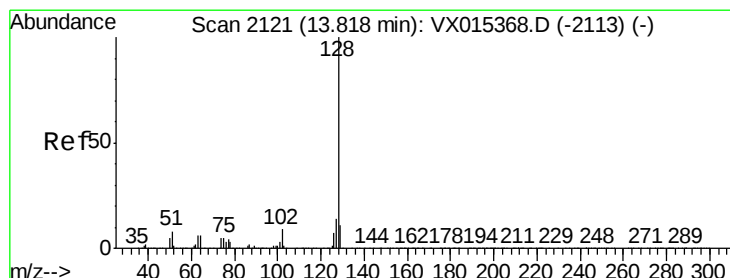
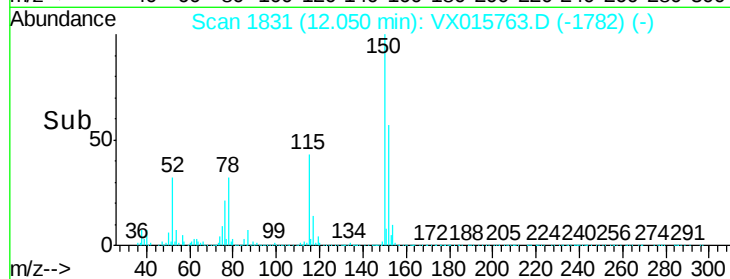
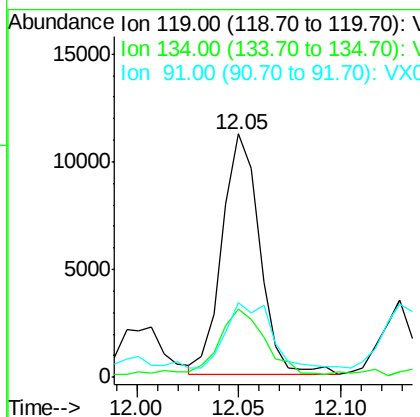
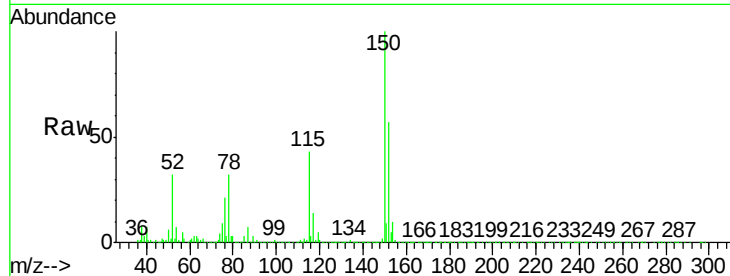
#86
p-Isopropyltoluene
Concen: 0.279 ug/l
RT: 12.05 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Instrument :
MSVOA_X
ClientSampled :
I-L-C-1DL

Tot Ion	Ratio	Lower	Upper
119	100		
134	34.4	13.1	39.3
91	39.4	12.4	37.4

Manual Integrations
APPROVED

MMDadoda
4/21/2020 12:16:00 PM



#95
Naphthalene
Concen: 70.135 ug/l
RT: 13.82 min Scan# 2121
Delta R.T. 0.00 min
Lab File: VX015763.D
Acq: 20 Apr 2020 14:19

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	11.0	8.8	13.2

