

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX071720\
 Data File : VX017423.D
 Acq On : 17 Jul 2020 16:34
 Operator : JC/SP
 Sample : L3325-01DL 10X
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01DL

Manual Integrations
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 7/20/2020 11:50:18 AM

Quant Time: Jul 20 01:12:05 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 14 02:59:51 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244403	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	410710	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	442543	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	236221	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	166887	54.41	ug/l	0.00
Spiked Amount 50.000			Recovery	=	108.82%	
35) Dibromofluoromethane	5.47	113	144665	52.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	104.58%	
50) Toluene-d8	8.70	98	513887	51.49	ug/l	0.00
Spiked Amount 50.000			Recovery	=	102.98%	
62) 4-Bromofluorobenzene	11.12	95	217143	54.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	109.56%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	2.17	74	1288m	0.937	ug/l	
11) Tert butyl alcohol	3.01	59	203463	393.689	ug/l	100
16) Acetone	2.42	43	58228	53.208	ug/l	90
18) Methyl Acetate	2.75	43	1508	0.558	ug/l #	61
19) Methyl tert-butyl Ether	3.17	73	2909	0.385	ug/l #	48
25) 2-Butanone	4.64	43	131925	75.900	ug/l	93
29) Tetrahydrofuran	5.09	42	65810	58.491	ug/l	94
37) Ethyl Acetate	4.79	43	4232m	1.083	ug/l	
40) Benzene	6.12	78	5173	0.476	ug/l #	74
49) 1,4-Dioxane	7.73	88	691	11.271	ug/l #	81
52) Toluene	8.77	92	3240	0.465	ug/l	97
67) Ethyl Benzene	10.23	91	7161	0.478	ug/l	95
68) m/p-Xylenes	10.34	106	4320	0.758	ug/l	87
69) o-Xylene	10.68	106	2392	0.439	ug/l	99
88) 1,4-Dichlorobenzene	12.08	146	2785	0.365	ug/l #	1
95) Naphthalene	13.82	128	20902	1.444	ug/l	98

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

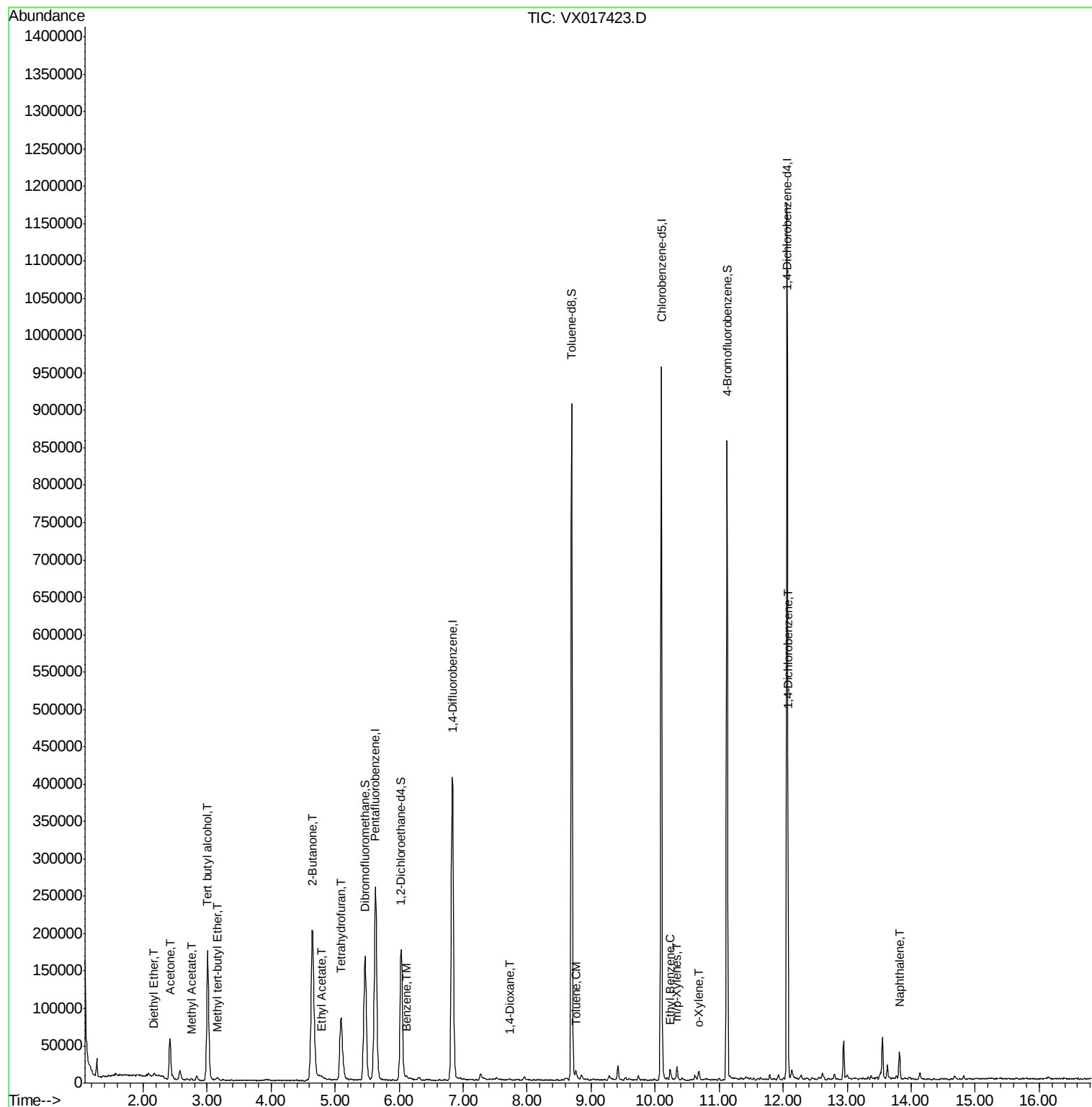
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX071720\
Data File : VX017423.D
Acq On : 17 Jul 2020 16:34
Operator : JC/SP
Sample : L3325-01DL 10X
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

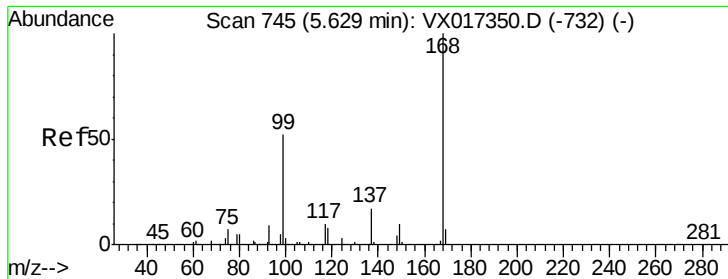
Instrument :
MSVOA_X
ClientSampleId :
200715091-01DL

Manual Integrations
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7/20/2020 11:50:18 AM

Quant Time: Jul 20 01:12:05 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X071320W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 14 02:59:51 2020
Response via : Initial Calibration





#1

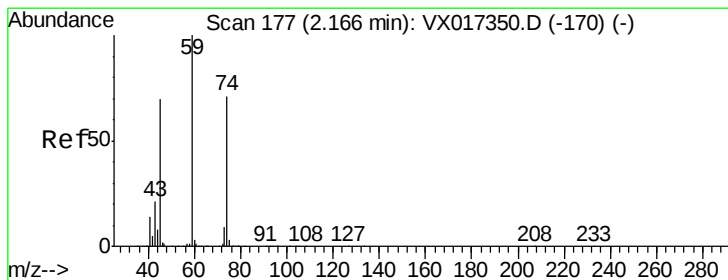
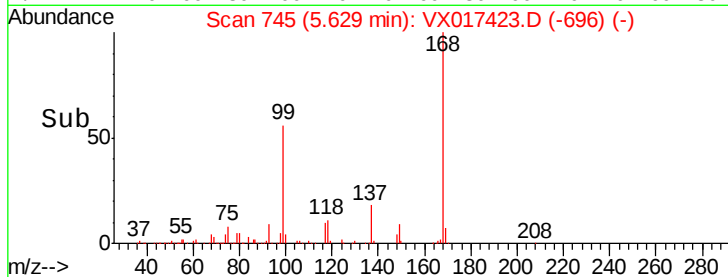
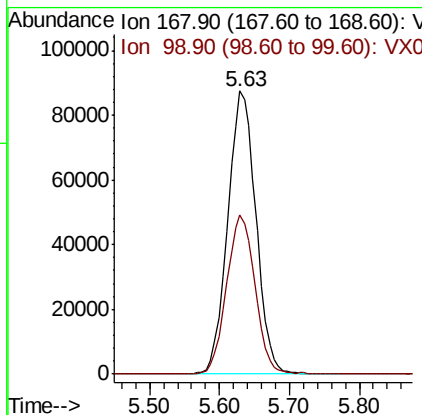
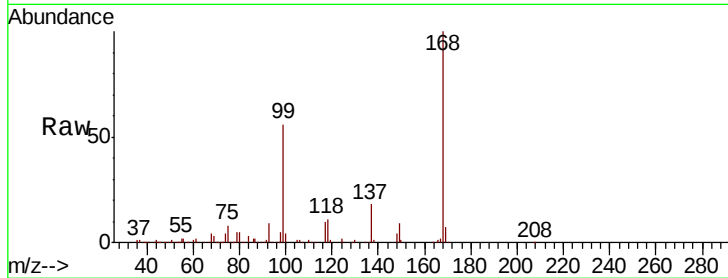
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. 0.00 min
 Lab File: VX017423.D
 Acq: 17 Jul 2020 16:34

Instrument :
 MSVOA_X
 ClientSampleID :
 200715091-01DL

Tot Ion	Ratio	Lower	Upper
168	100		
99	56.2	41.6	62.4

Manual Integrations
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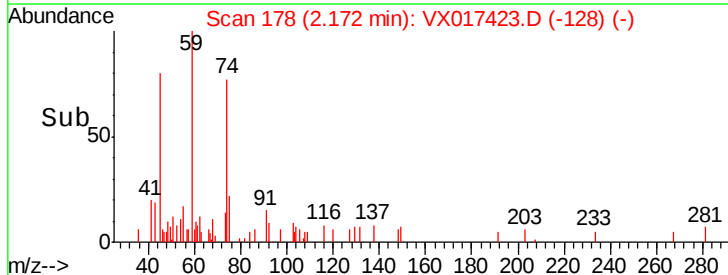
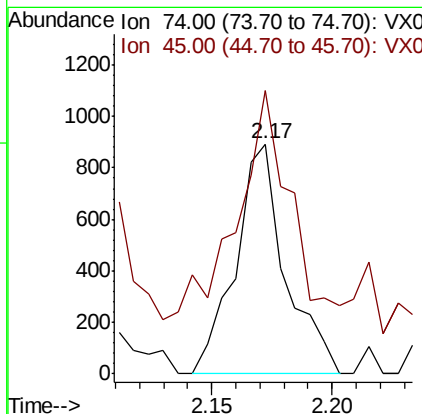
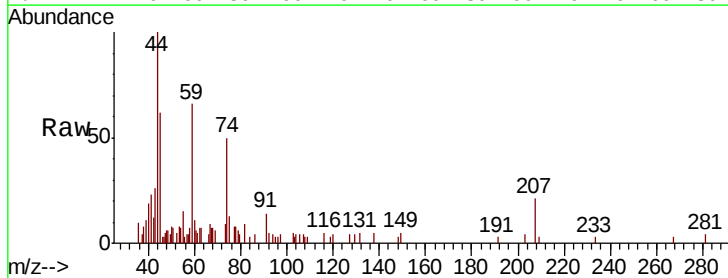
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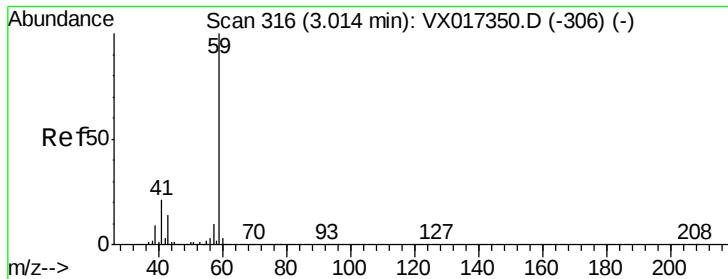


#8

Diethyl Ether
 Concen: 0.937 ug/l m
 RT: 2.17 min Scan# 178
 Delta R.T. 0.01 min
 Lab File: VX017423.D
 Acq: 17 Jul 2020 16:34

Tgt Ion	Ratio	Lower	Upper
74	100		
45	0.0	47.2	141.6#





#11

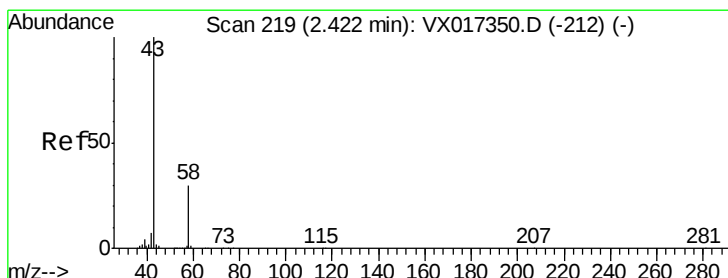
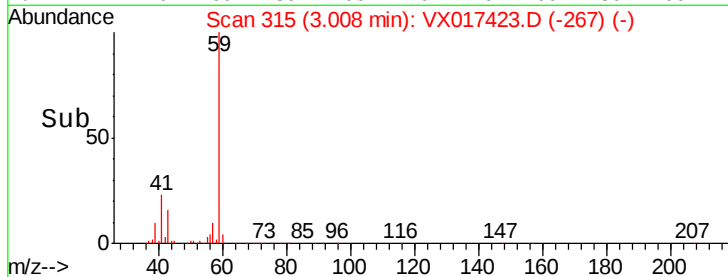
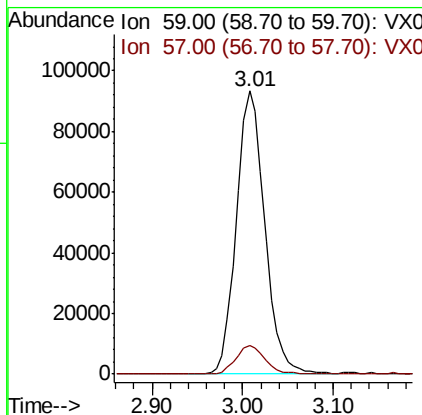
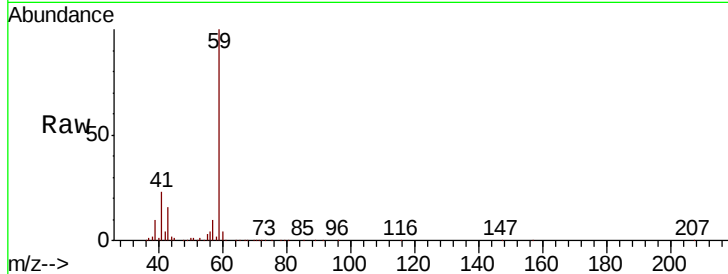
Tert butyl alcohol
 Concen: 393.689 ug/l
 RT: 3.01 min Scan# 315
 Delta R.T. -0.01 min
 Lab File: VX017423.D
 Acq: 17 Jul 2020 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.5	8.3	12.5

Manual Integrations
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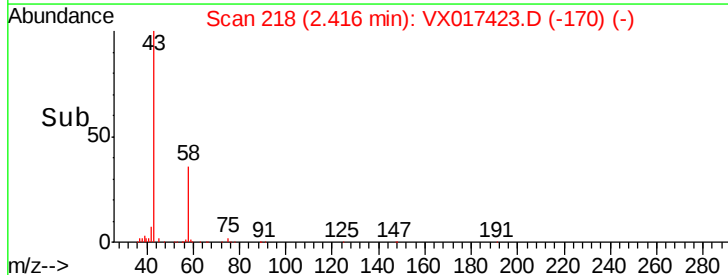
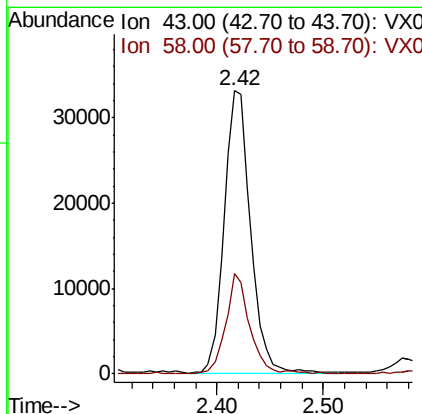
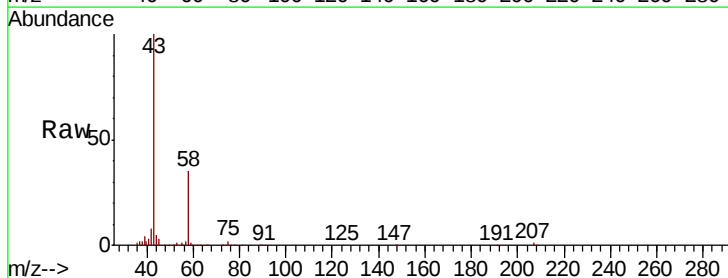
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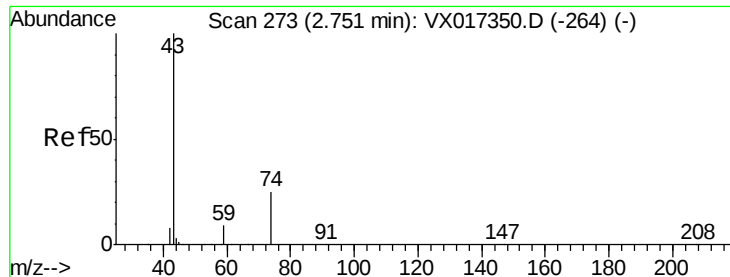


#16

Acetone
 Concen: 53.208 ug/l
 RT: 2.42 min Scan# 218
 Delta R.T. -0.01 min
 Lab File: VX017423.D
 Acq: 17 Jul 2020 16:34

Tgt Ion	Ratio	Lower	Upper
43	100		
58	35.4	24.2	36.2





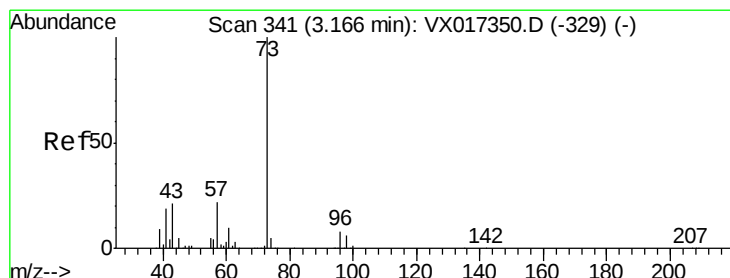
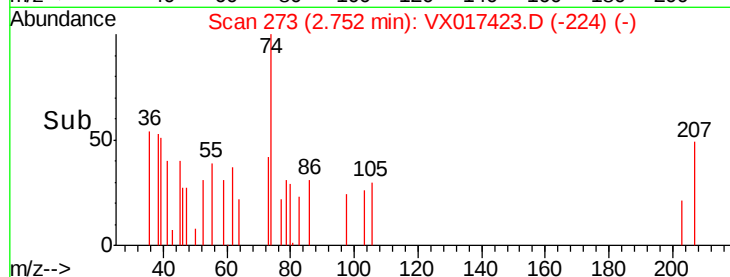
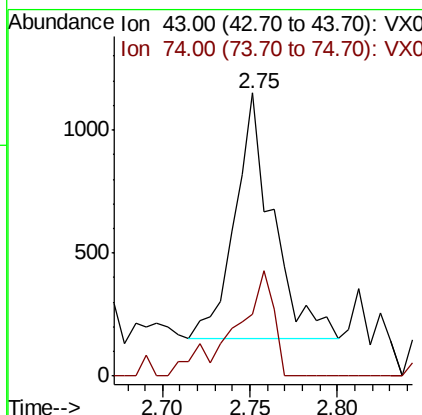
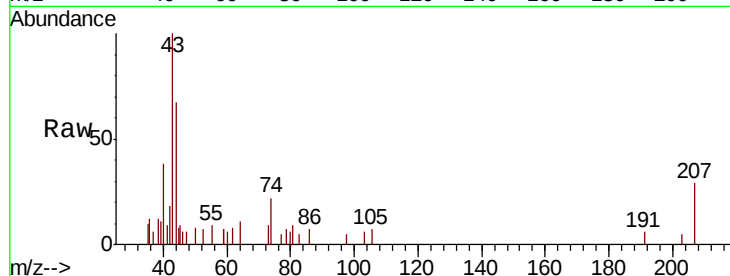
#18
Methyl Acetate
Concen: 0.558 ug/l
RT: 2.75 min Scan# 273
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Instrument :
MSVOA_X
ClientSampled :
200715091-01DL

Tot Ion: 43 Resp: 1508
Ion Ratio Lower Upper
43 100
74 43.6 19.4 29.2#

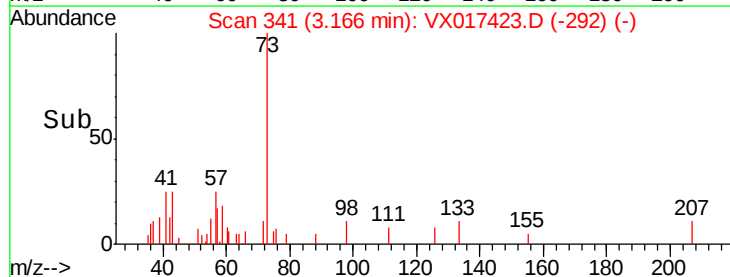
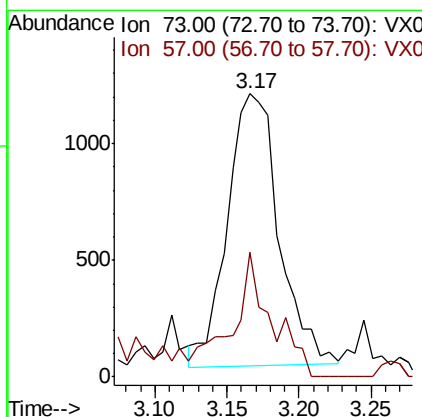
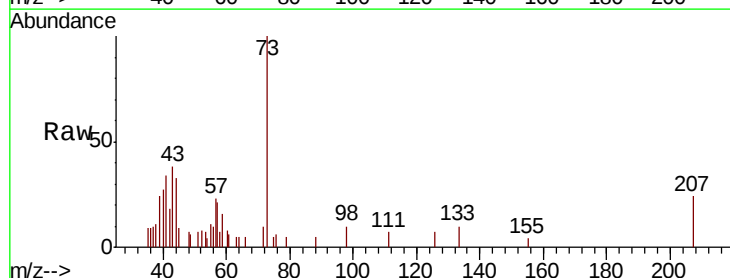
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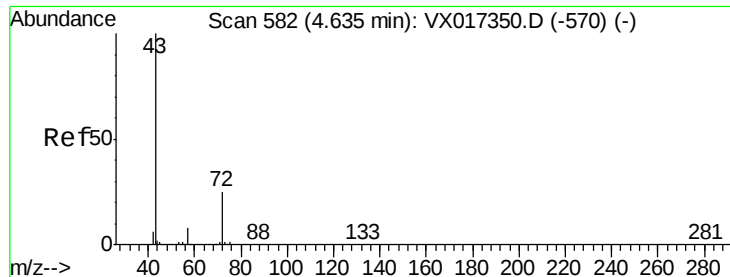
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#19
Methyl tert-butyl Ether
Concen: 0.385 ug/l
RT: 3.17 min Scan# 341
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Tgt Ion: 73 Resp: 2909
Ion Ratio Lower Upper
73 100
57 46.9 17.5 26.3#





#25

2-Butanone

Concen: 75.900 ug/l

RT: 4.64 min Scan# 582

Delta R.T. 0.00 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

200715091-01DL

Tot Ion: 43 Resp: 131925

Ion Ratio Lower Upper

43 100

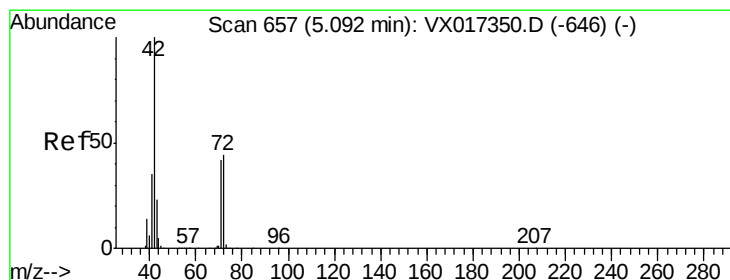
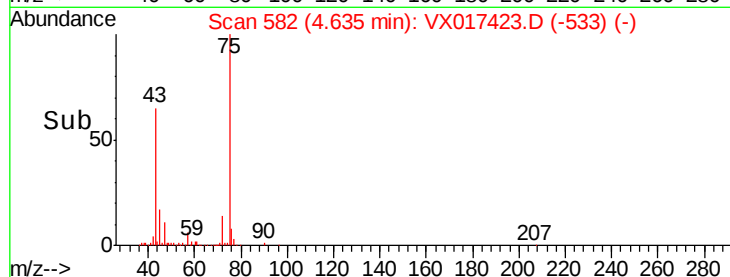
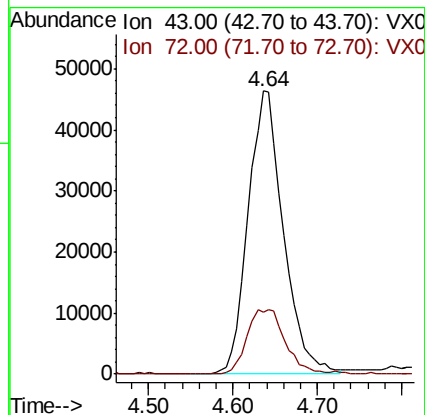
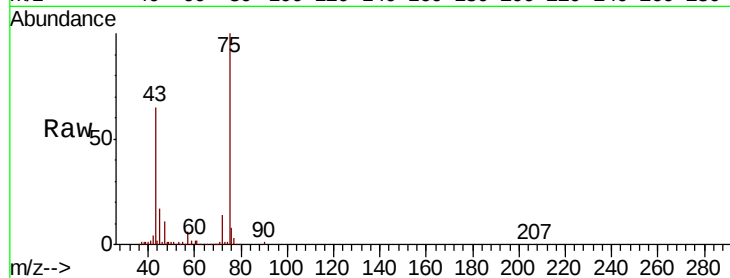
72 22.1 20.4 30.6

Manual Integrations

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#29

Tetrahydrofuran

Concen: 58.491 ug/l

RT: 5.09 min Scan# 657

Delta R.T. 0.00 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

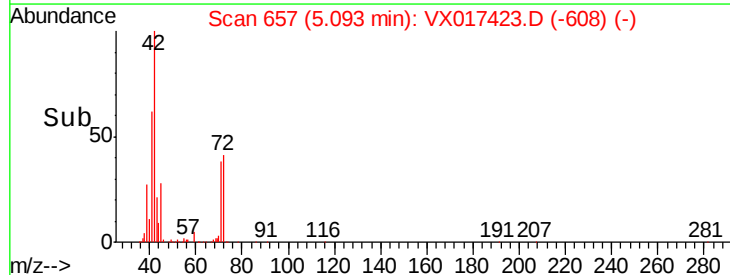
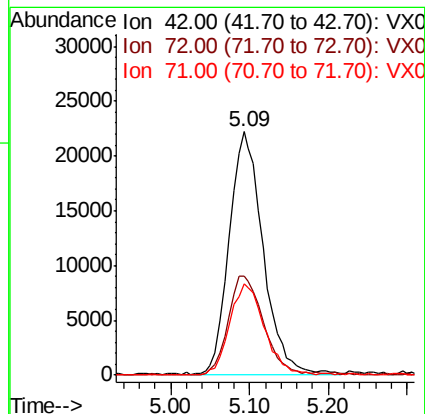
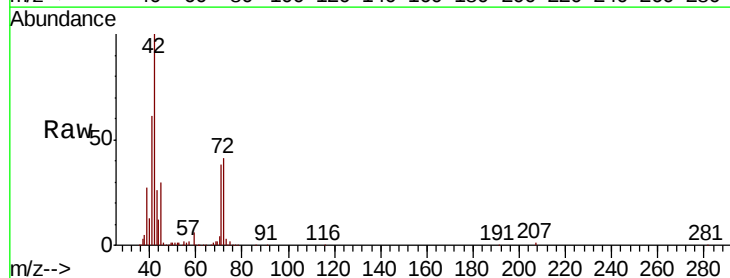
Tgt Ion: 42 Resp: 65810

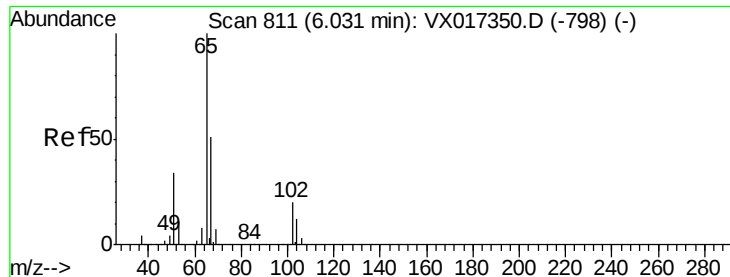
Ion Ratio Lower Upper

42 100

72 43.0 37.2 55.8

71 38.7 34.4 51.6





#33

1,2-Dichloroethane-d4

Concen: 54.406 ug/l

RT: 6.03 min Scan# 811

Delta R.T. 0.00 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

200715091-01DL

Tot Ion: 65 Resp: 166887

Ion Ratio Lower Upper

65 100

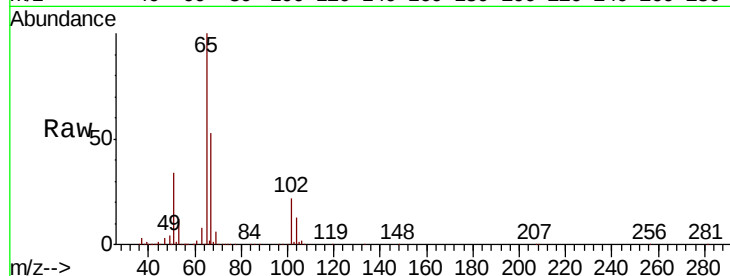
67 52.9 0.0 101.6

Manual Integrations

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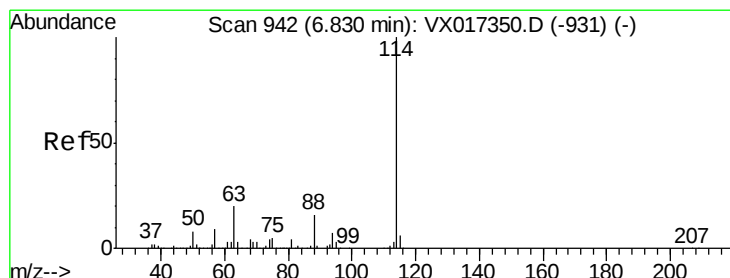
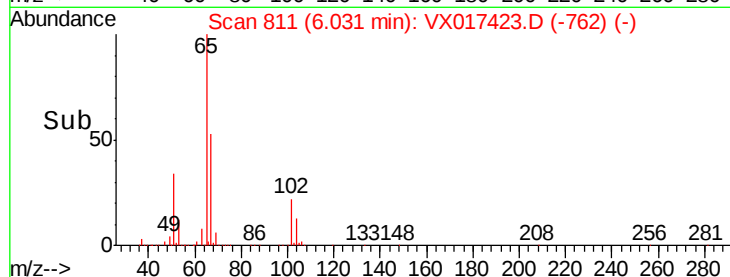
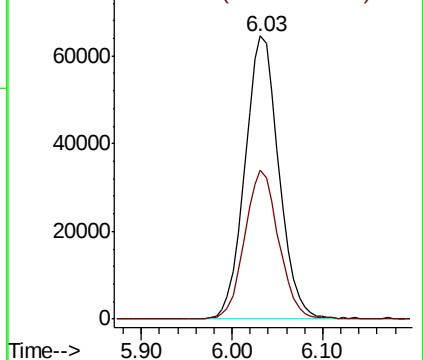
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.83 min Scan# 942

Delta R.T. 0.00 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

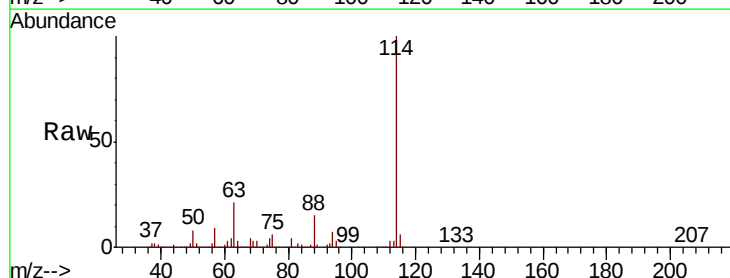
Tgt Ion: 114 Resp: 410710

Ion Ratio Lower Upper

114 100

63 20.6 0.0 40.0

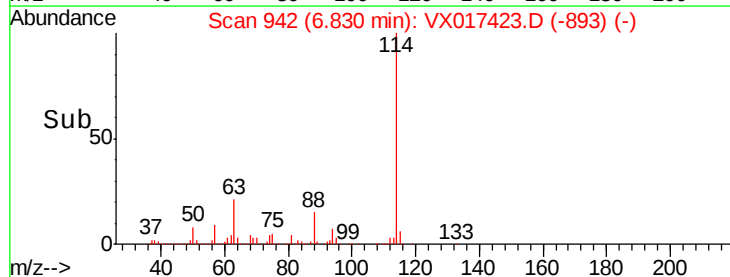
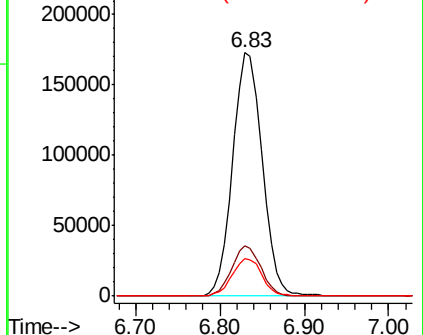
88 15.4 0.0 32.8

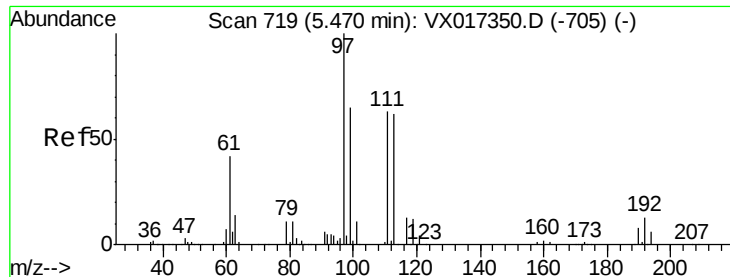


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





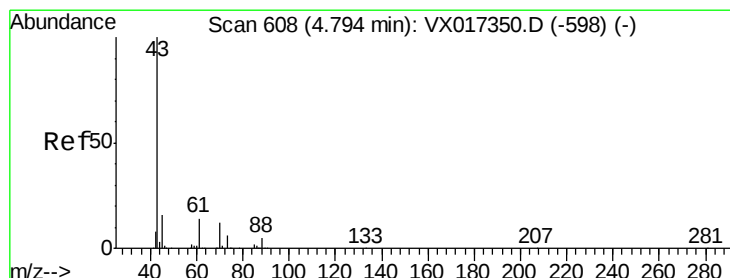
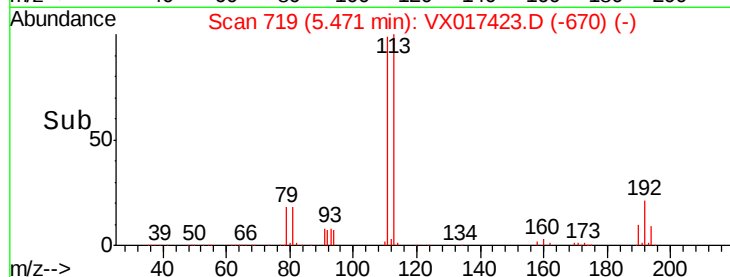
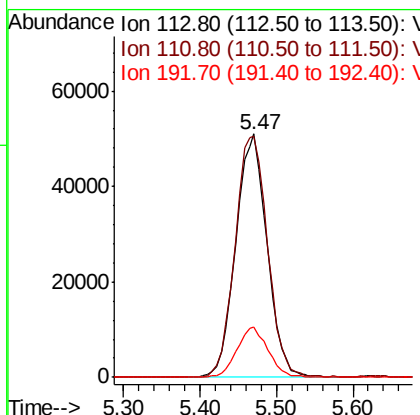
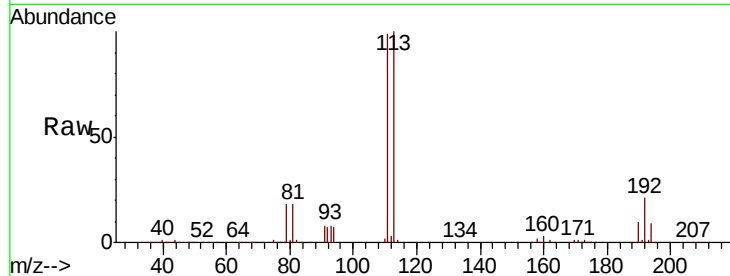
#35
Dibromofluoromethane
Concen: 52.290 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
200715091-01DL

Tot Ion	Ratio	Resp	Lower	Upper
113	100	144665		
111	102.8	82.4	123.6	
192	20.4	17.2	25.8	

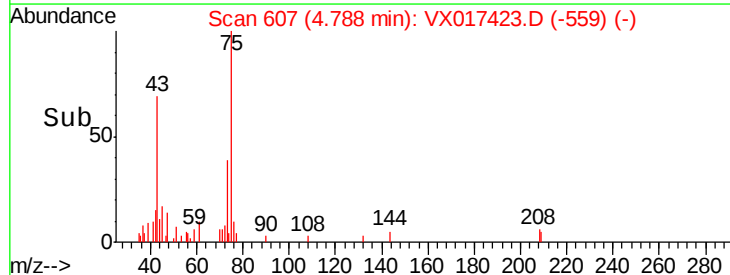
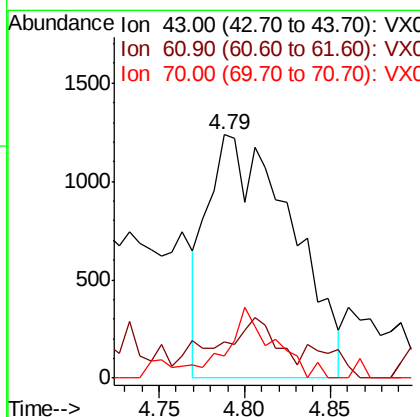
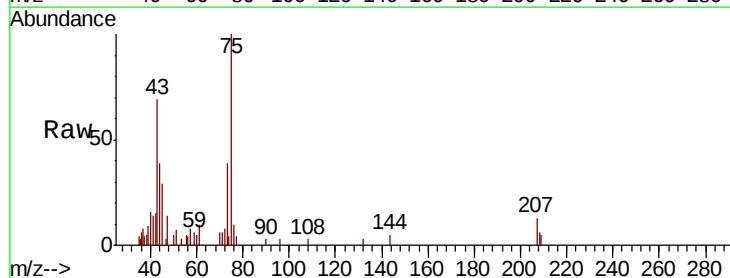
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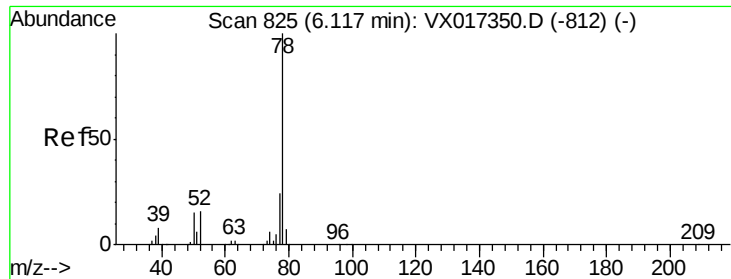
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#37
Ethyl Acetate
Concen: 1.083 ug/l m
RT: 4.79 min Scan# 607
Delta R.T. -0.01 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	4232		
61	197.6	10.7	16.1#	
70	28.0	9.0	13.6#	





#40

Benzene

Concen: 0.476 ug/l

RT: 6.12 min Scan# 826

Delta R.T. 0.01 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

200715091-01DL

Tot Ion: 78 Resp: 5173

Ion Ratio Lower Upper

78 100

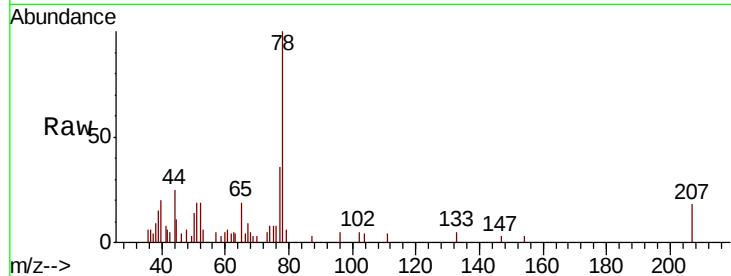
77 36.4 18.9 28.3#

Manual Integrations

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7/20/2020 11:50:18 AM



Abundance Ion 78.00 (77.70 to 78.70): VX0

Ion 77.00 (76.70 to 77.70): VX0

6.12

2000

1500

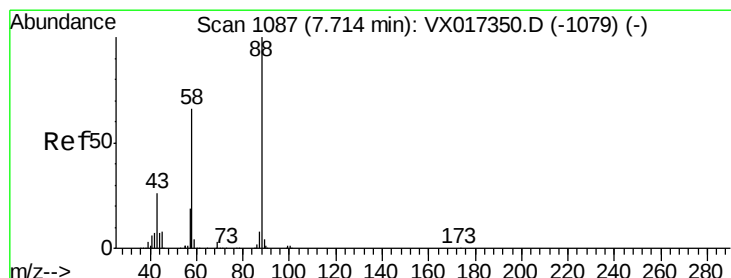
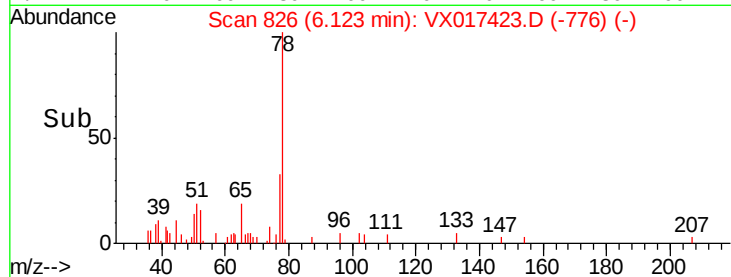
1000

500

0

Time-->

6.00 6.05 6.10 6.15 6.20



#49

1,4-Dioxane

Concen: 11.271 ug/l

RT: 7.73 min Scan# 1089

Delta R.T. 0.01 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

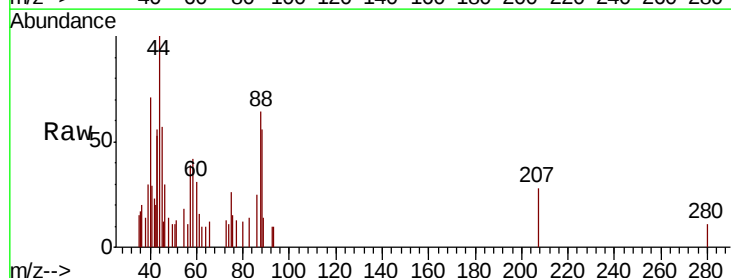
Tgt Ion: 88 Resp: 691

Ion Ratio Lower Upper

88 100

43 48.2 25.6 38.4#

58 78.6 53.9 80.9



Abundance Ion 88.00 (87.70 to 88.70): VX0

Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0

7.73

800

600

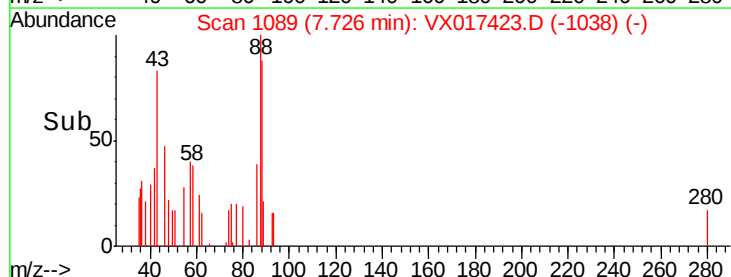
400

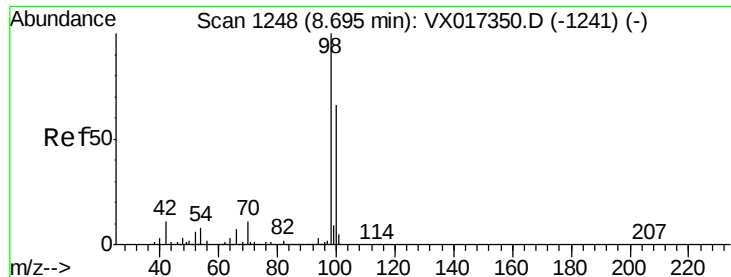
200

0

Time-->

7.70 7.75





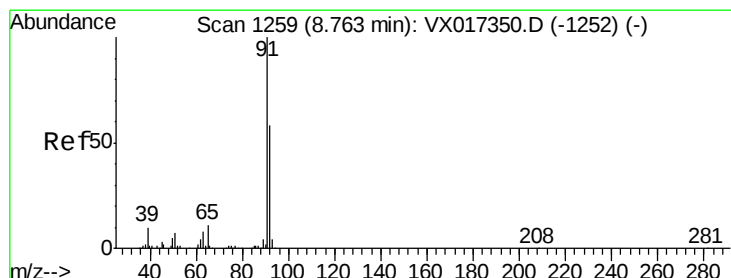
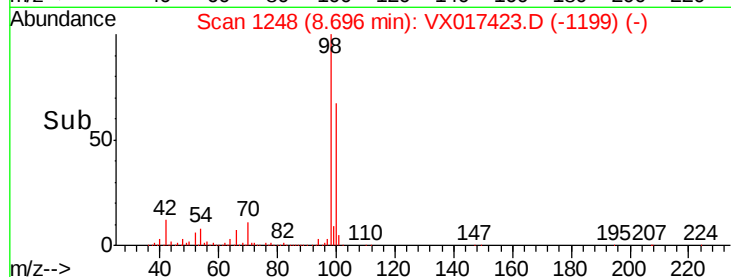
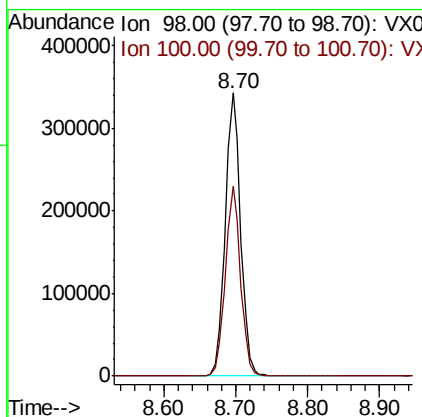
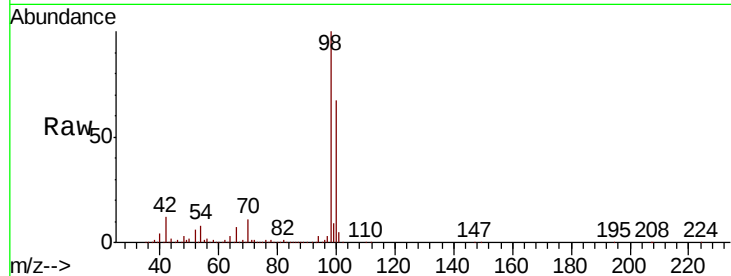
#50
Toluene-d8
Concen: 51.494 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
200715091-01DL

Tot Ion: 98 Resp: 513887
Ion Ratio Lower Upper
98 100
100 66.1 53.4 80.2

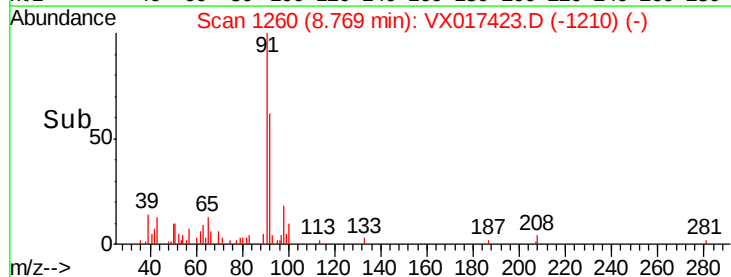
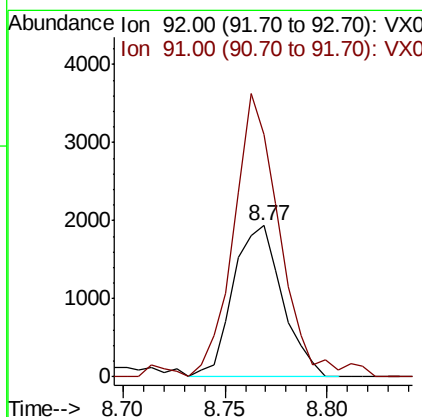
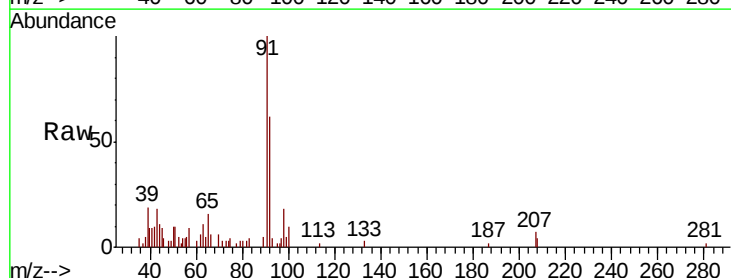
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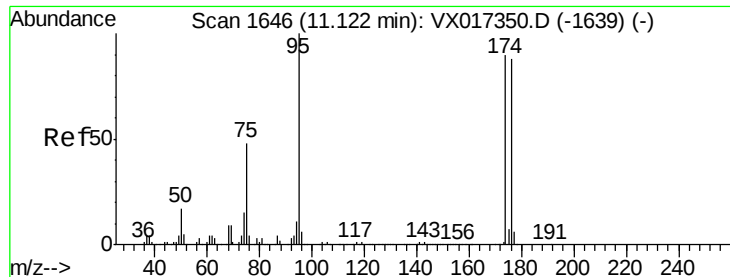
MMDadoda
7/20/2020 11:50:18 AM



#52
Toluene
Concen: 0.465 ug/l
RT: 8.77 min Scan# 1260
Delta R.T. 0.01 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Tgt Ion: 92 Resp: 3240
Ion Ratio Lower Upper
92 100
91 175.2 136.7 205.1





#62

4-Bromofluorobenzene

Concen: 54.778 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. 0.00 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

Instrument :

MSVOA_X

ClientSampleId :

200715091-01DL

Tot Ion: 95 Resp: 217143

Ion Ratio Lower Upper

95 100

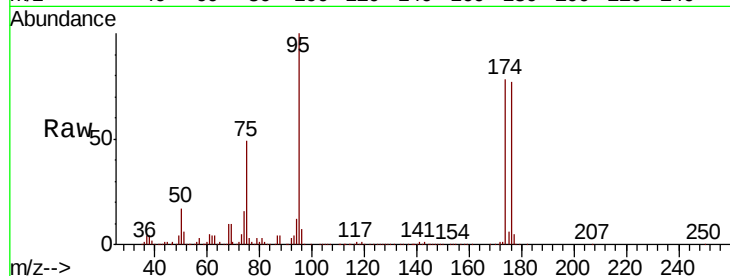
174 80.3 0.0 175.8

176 78.7 0.0 164.6

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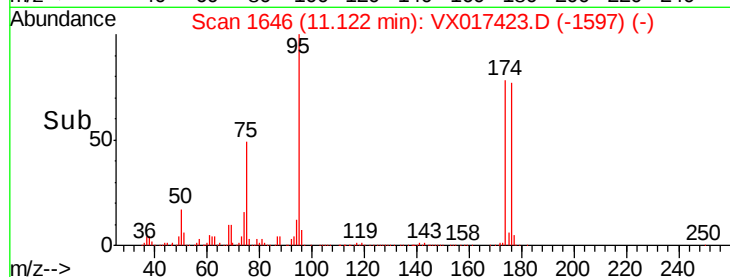


Abundance Ion 94.90 (94.60 to 95.60): VX017350.D (-1639) (-)

Ion 173.80 (173.50 to 174.50): VX017350.D (-1639) (-)

Ion 175.80 (175.50 to 176.50): VX017350.D (-1639) (-)

Time-->

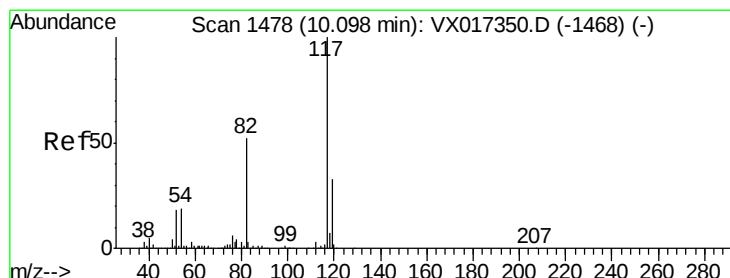


Abundance Ion 94.90 (94.60 to 95.60): VX017423.D (-1597) (-)

Ion 173.80 (173.50 to 174.50): VX017423.D (-1597) (-)

Ion 175.80 (175.50 to 176.50): VX017423.D (-1597) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.10 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VX017423.D

Acq: 17 Jul 2020 16:34

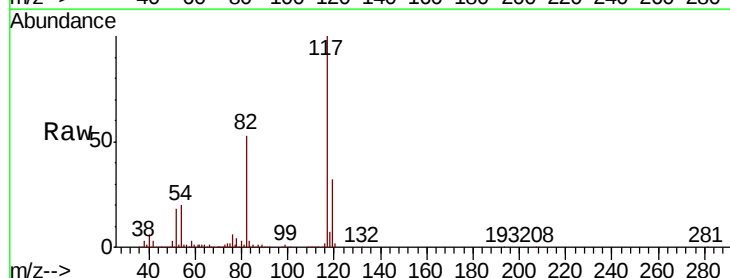
Tgt Ion: 117 Resp: 442543

Ion Ratio Lower Upper

117 100

82 53.1 42.0 63.0

119 32.3 26.3 39.5

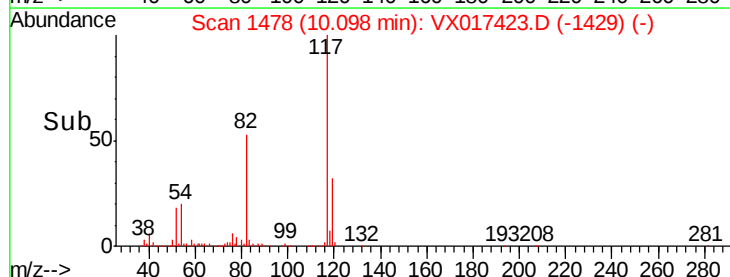


Abundance Ion 116.90 (116.60 to 117.60): VX017350.D (-1468) (-)

Ion 82.00 (81.70 to 82.70): VX017350.D (-1468) (-)

Ion 118.90 (118.60 to 119.60): VX017350.D (-1468) (-)

Time-->

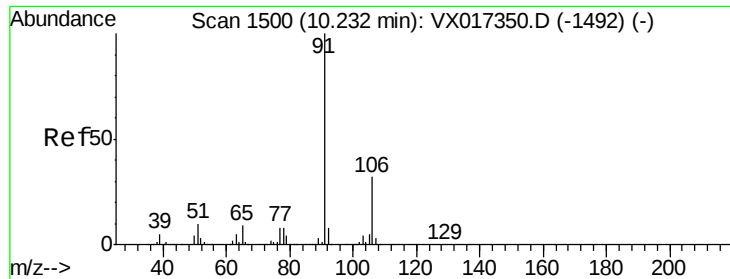


Abundance Ion 116.90 (116.60 to 117.60): VX017423.D (-1429) (-)

Ion 82.00 (81.70 to 82.70): VX017423.D (-1429) (-)

Ion 118.90 (118.60 to 119.60): VX017423.D (-1429) (-)

Time-->



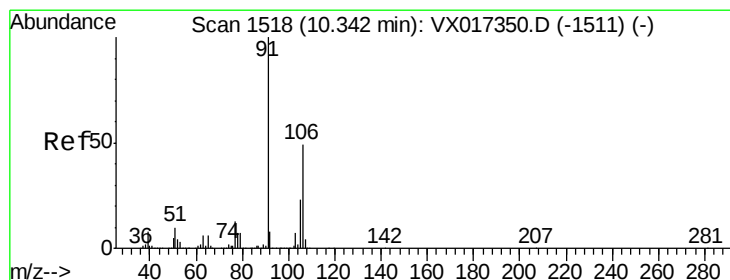
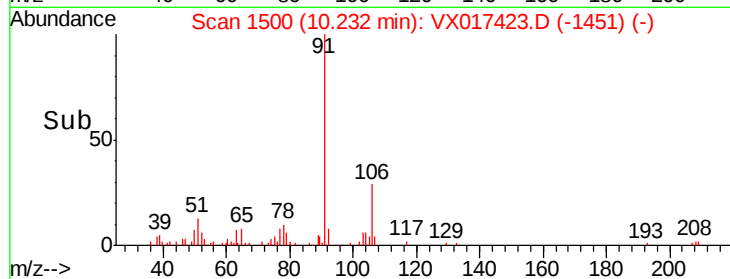
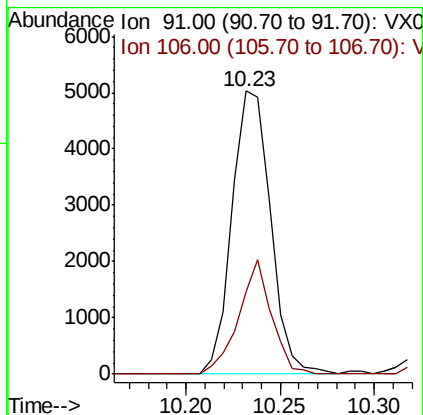
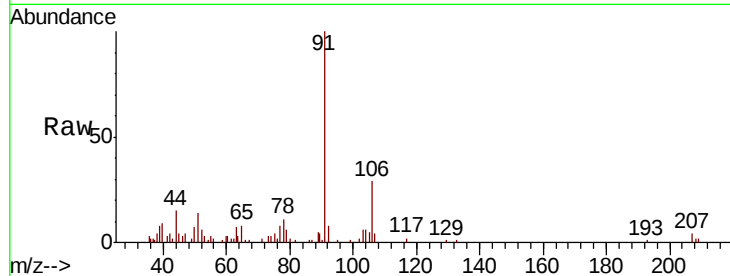
#67
Ethyl Benzene
Concen: 0.478 ug/l
RT: 10.23 min Scan# 1500
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
200715091-01DL

Tot Ion: 91 Resp: 7161
Ion Ratio Lower Upper
91 100
106 29.3 25.7 38.5

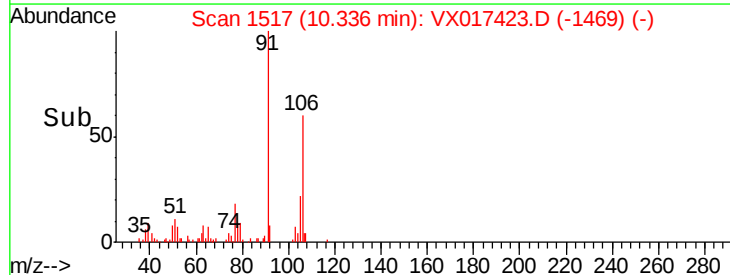
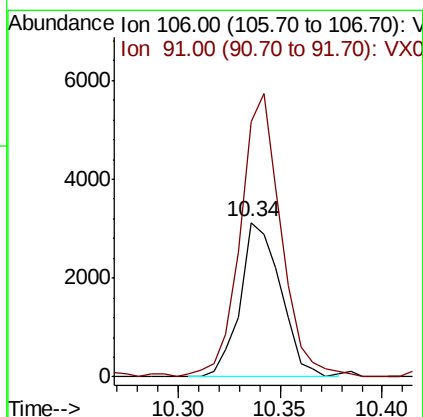
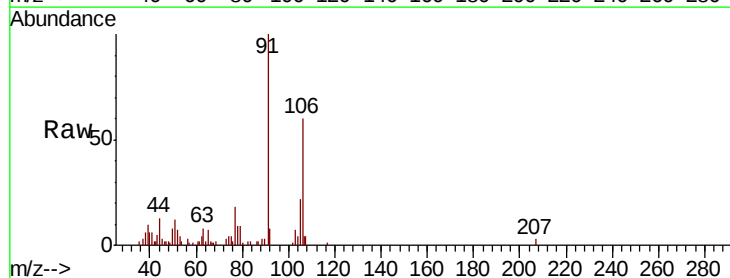
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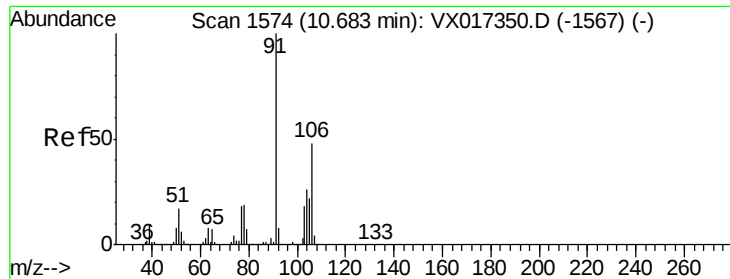
MMDadoda
7/20/2020 11:50:18 AM



#68
m/p-Xylenes
Concen: 0.758 ug/l
RT: 10.34 min Scan# 1517
Delta R.T. -0.01 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Tgt Ion: 106 Resp: 4320
Ion Ratio Lower Upper
106 100
91 183.5 162.5 243.7





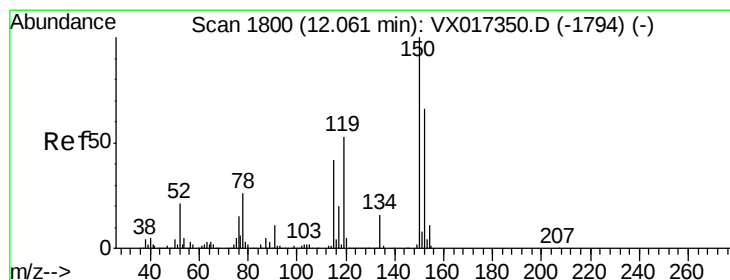
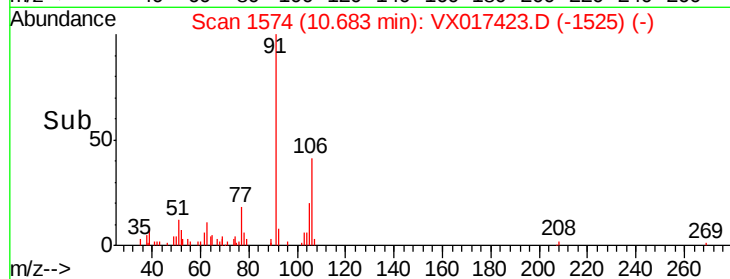
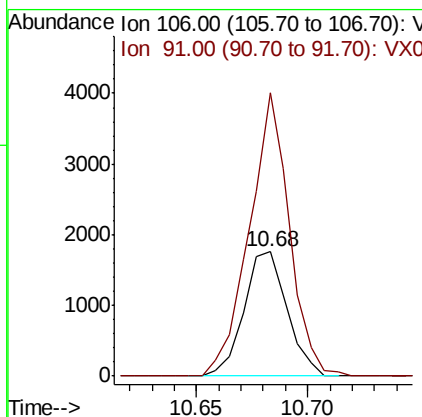
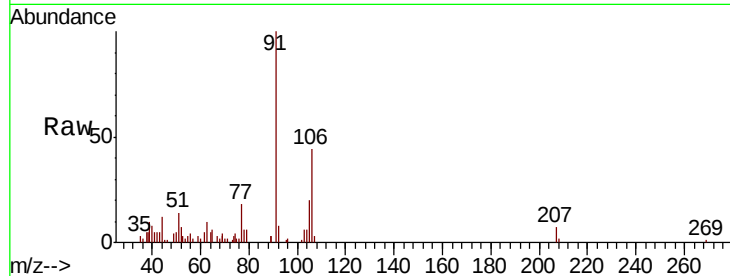
#69
o-Xylene
Concen: 0.439 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Instrument :
MSVOA_X
ClientSampleId :
200715091-01DL

Tot Ion	Ratio	Lower	Upper
106	100		
91	209.8	106.1	318.1

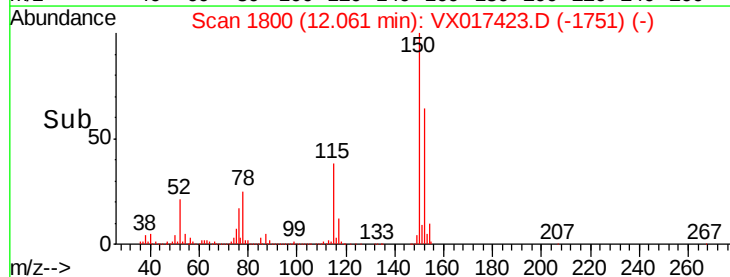
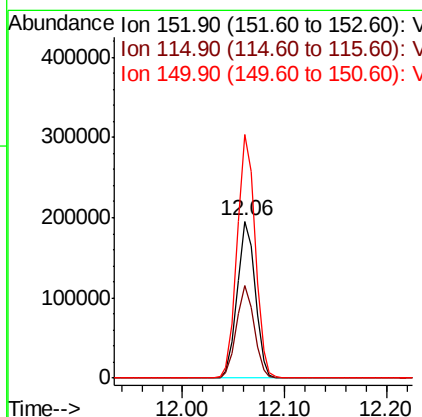
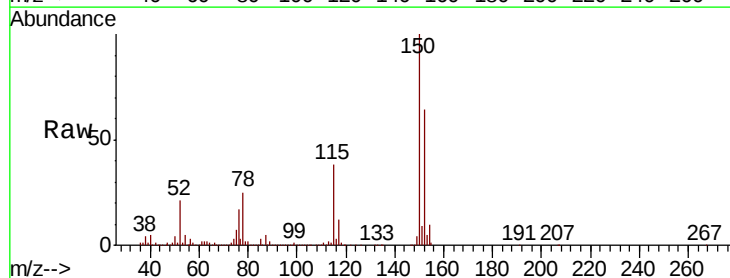
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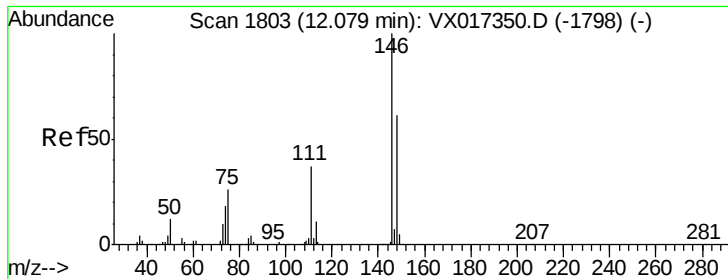
MMDadoda
7/20/2020 11:50:18 AM



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017423.D
Acq: 17 Jul 2020 16:34

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.5	39.9	119.7
150	155.1	0.0	343.4





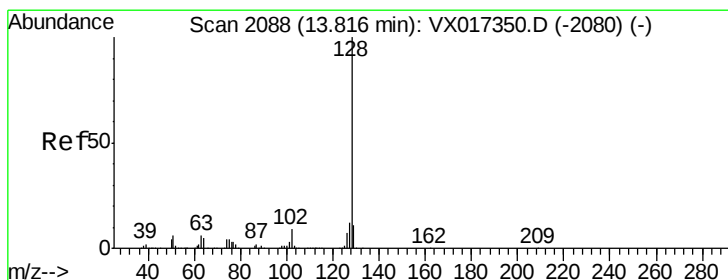
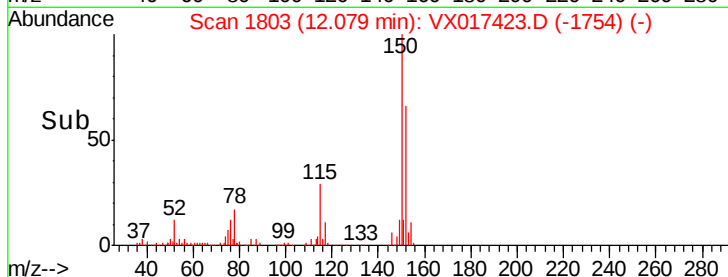
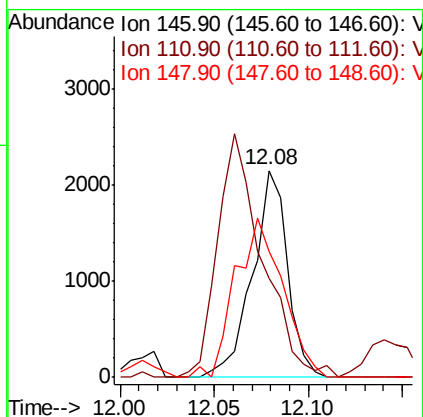
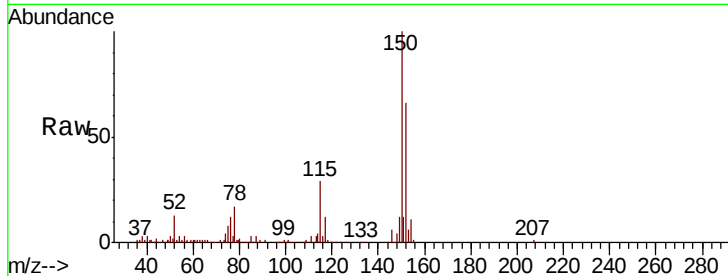
#88
 1,4-Dichlorobenzene
 Concen: 0.365 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017423.D
 Acq: 17 Jul 2020 16:34

Instrument :
 MSVOA_X
 ClientSampleId :
 200715091-01DL

Tot Ion	Ratio	Lower	Upper
146	100		
111	149.5	18.9	56.9#
148	103.5	31.9	95.9#

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#95
 Naphthalene
 Concen: 1.444 ug/l
 RT: 13.82 min Scan# 2088
 Delta R.T. 0.00 min
 Lab File: VX017423.D
 Acq: 17 Jul 2020 16:34

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.8	10.2	15.4
129	11.0	8.9	13.3

