

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX063020\
 Data File : VX017044.D
 Acq On : 30 Jun 2020 14:53
 Operator : JC/SP
 Sample : L3146-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Manual Integrations
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 7/1/2020 10:49:22 AM

Quant Time: Jul 01 08:41:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
 Quant Title : SW846 8260
 QLast Update : Mon Jun 29 17:10:38 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.63	168	244070	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.83	114	408095	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.10	117	421352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.06	152	222709	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.03	65	153178	50.91	ug/l	0.00
Spiked Amount 50.000			Recovery	=	101.82%	
35) Dibromofluoromethane	5.47	113	128516	49.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.56%	
50) Toluene-d8	8.70	98	507269	53.14	ug/l	0.00
Spiked Amount 50.000			Recovery	=	106.28%	
62) 4-Bromofluorobenzene	11.12	95	214776	57.56	ug/l	0.00
Spiked Amount 50.000			Recovery	=	115.12%	
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.39	62	1350	0.509	ug/l #	78
8) Diethyl Ether	2.17	74	9764	7.711	ug/l	97
11) Tert butyl alcohol	3.01	59	2887277	5030.030	ug/l	100
16) Acetone	2.42	43	8028	7.132	ug/l	96
19) Methyl tert-butyl Ether	3.17	73	23746	2.930	ug/l	94
27) cis-1,2-Dichloroethene	4.57	96	2493	0.821	ug/l #	20
29) Tetrahydrofuran	5.09	42	1123102	906.306	ug/l	100
40) Benzene	6.12	78	37716	3.328	ug/l	95
42) 1,2-Dichloroethane	6.17	62	2891	0.706	ug/l	92
49) 1,4-Dioxane	7.72	88	5679	81.139	ug/l	94
51) 4-Methyl-2-Pentanone	8.62	43	25652m	6.618	ug/l	
52) Toluene	8.76	92	40768	5.762	ug/l	99
65) Chlorobenzene	10.12	112	7072	0.813	ug/l #	83
67) Ethyl Benzene	10.24	91	5269	0.363	ug/l	96
68) m/p-Xylenes	10.34	106	41355	7.416	ug/l	100
69) o-Xylene	10.68	106	27657	5.214	ug/l	99
80) 1,3,5-Trimethylbenzene	11.49	105	8639	0.714	ug/l	100
84) 1,2,4-Trimethylbenzene	11.79	105	21211	1.728	ug/l	100
88) 1,4-Dichlorobenzene	12.08	146	20311	2.777	ug/l	87

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

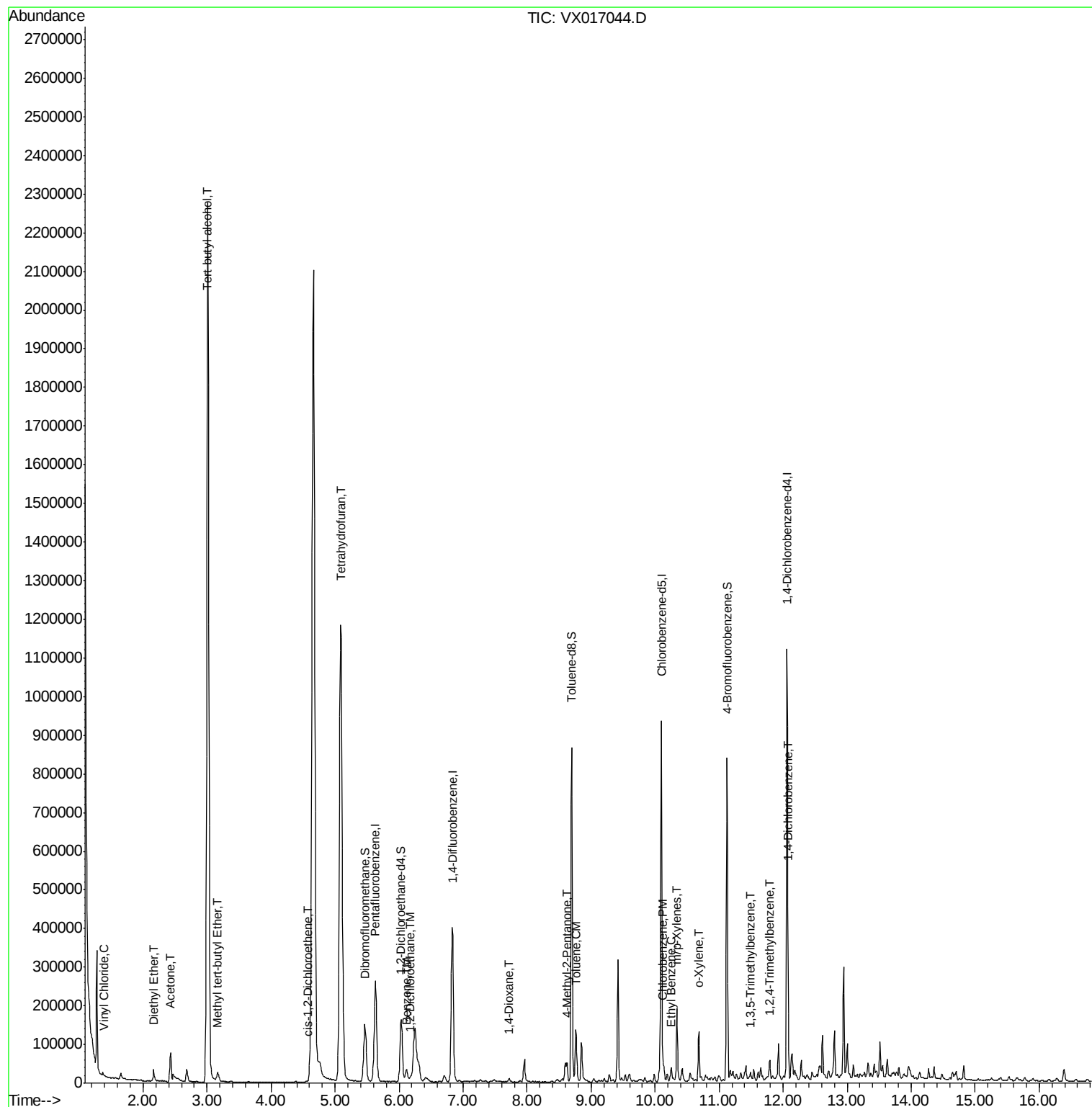
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX063020\
Data File : VX017044.D
Acq On : 30 Jun 2020 14:53
Operator : JC/SP
Sample : L3146-01
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

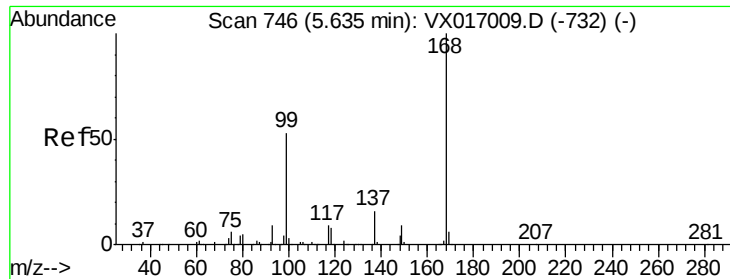
Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

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Quant Time: Jul 01 08:41:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X062920W.M
Quant Title : SW846 8260
QLast Update : Mon Jun 29 17:10:38 2020
Response via : Initial Calibration





#1

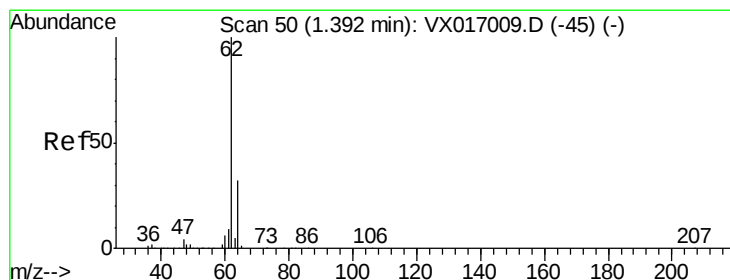
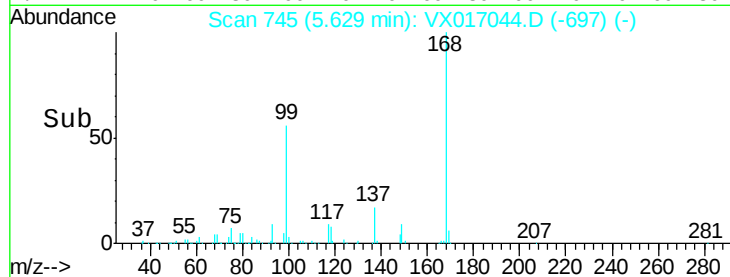
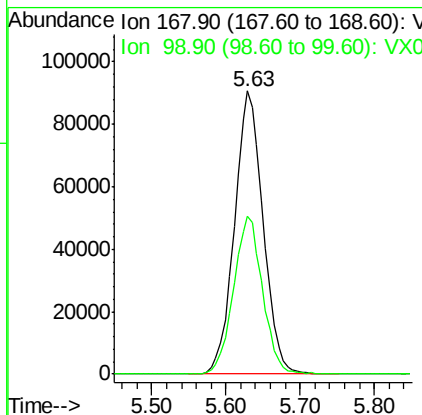
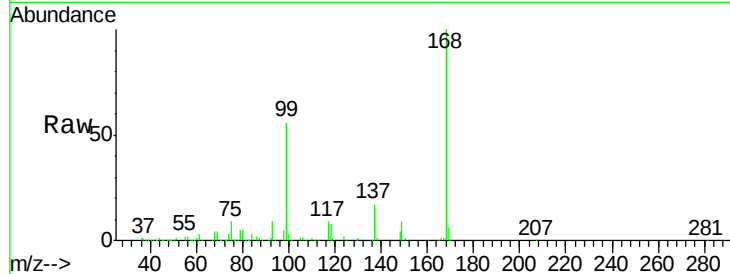
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.63 min Scan# 745
 Delta R.T. -0.01 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
168	100	244070		
99	55.6	42.6	64.0	

Manual Integrations
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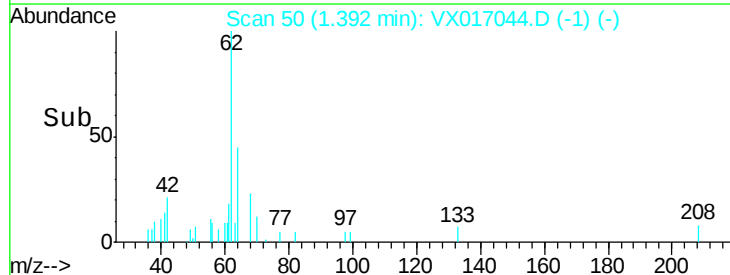
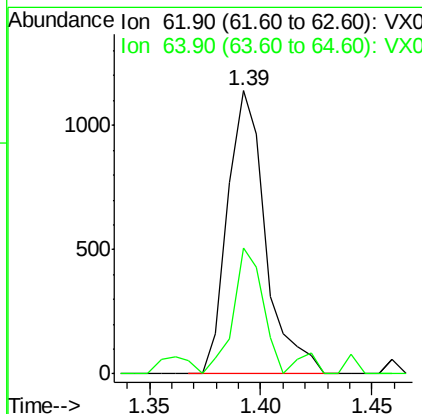
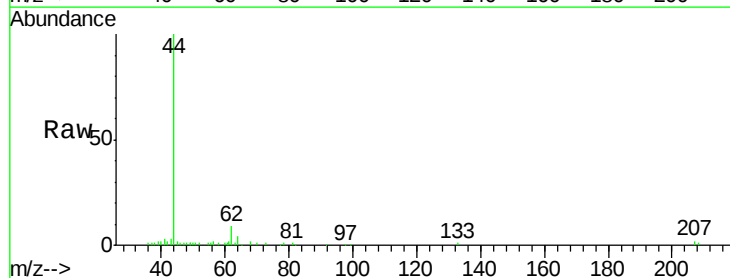
MMDadoda
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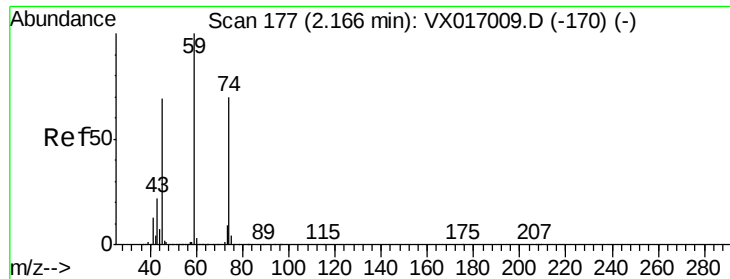


#4

Vinyl Chloride
 Concen: 0.509 ug/l
 RT: 1.39 min Scan# 50
 Delta R.T. 0.00 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
62	100	1350		
64	44.5	25.9	38.9	





#8

Diethyl Ether

Concen: 7.711 ug/l

RT: 2.17 min Scan# 177

Delta R.T. 0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 74 Resp: 9764

Ion Ratio Lower Upper

74 100

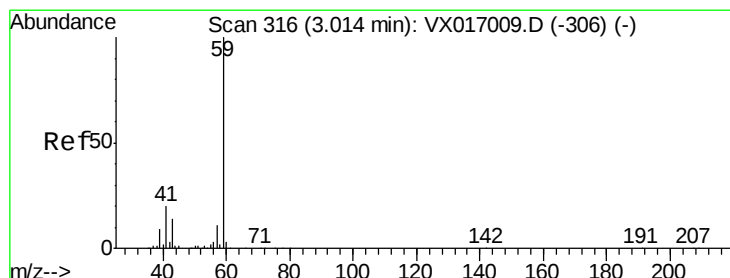
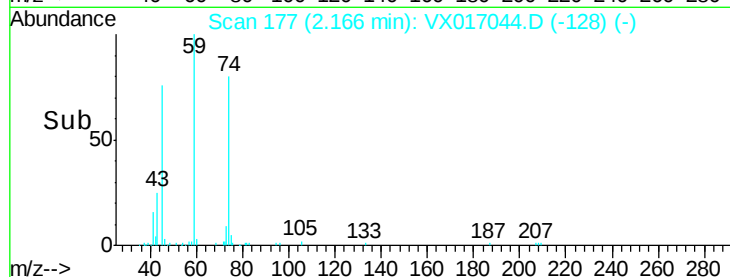
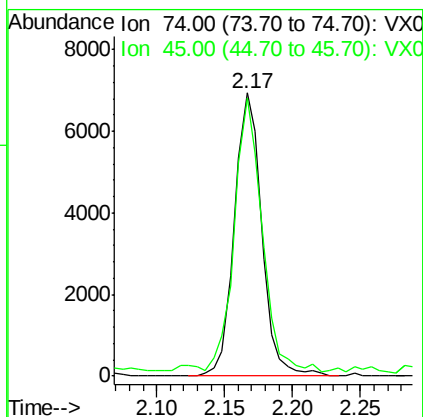
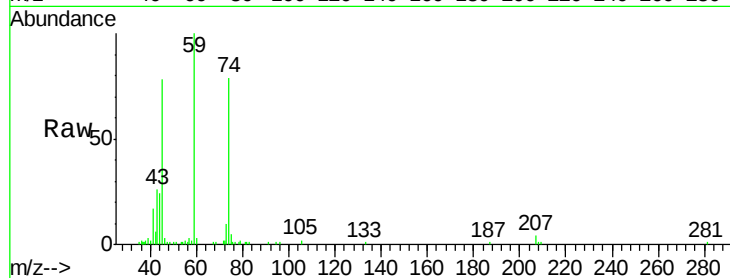
45 96.1 49.8 149.3

Manual Integrations

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#11

Tert butyl alcohol

Concen: 5030.030 ug/l

RT: 3.01 min Scan# 315

Delta R.T. -0.01 min

Lab File: VX017044.D

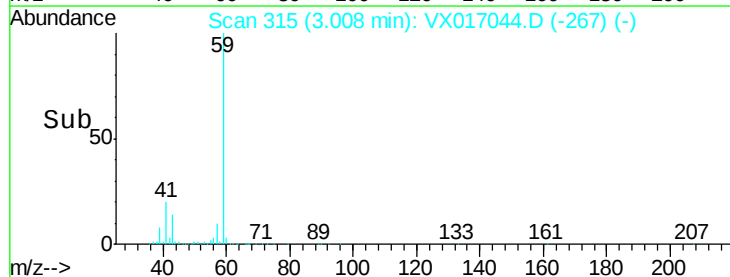
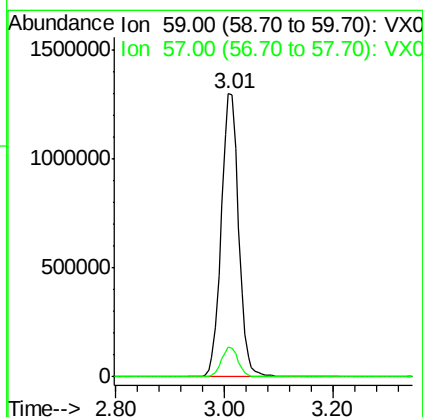
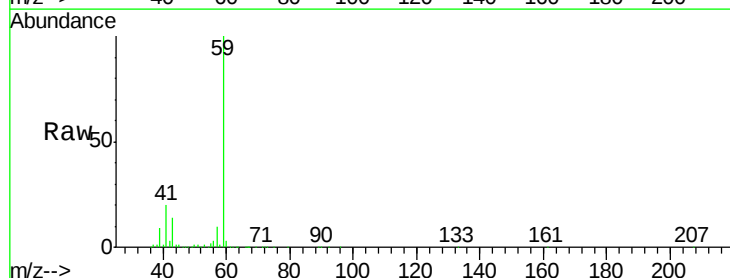
Acq: 30 Jun 2020 14:53

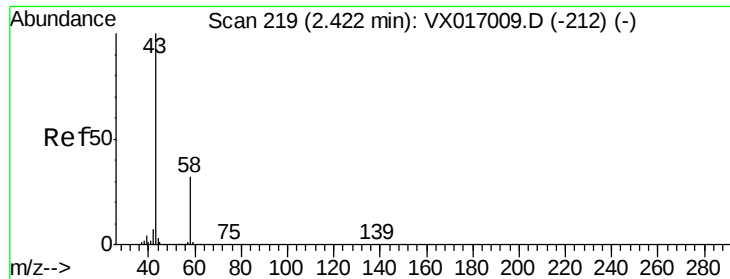
Tgt Ion: 59 Resp: 2887277

Ion Ratio Lower Upper

59 100

57 10.2 8.2 12.2





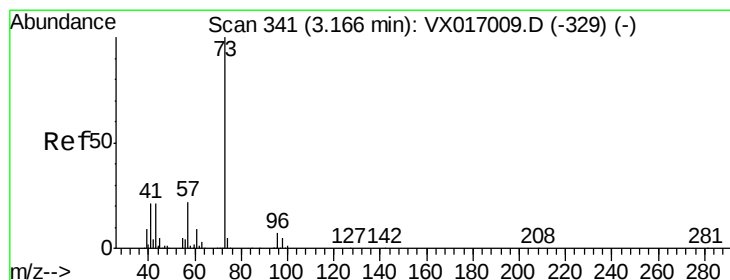
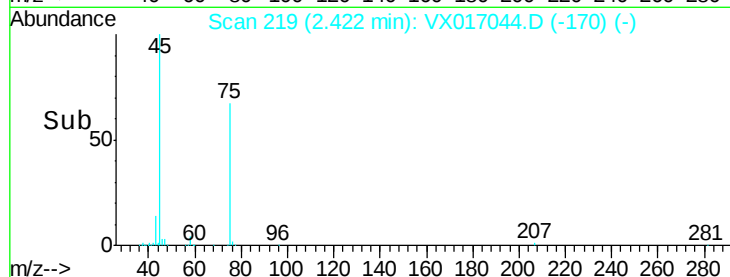
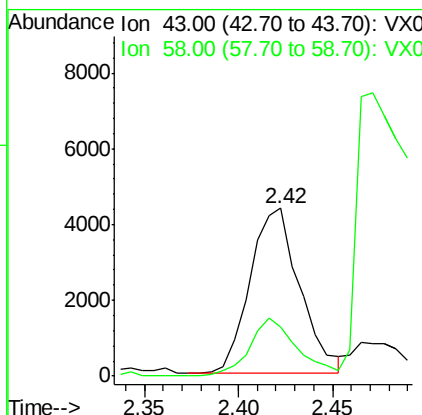
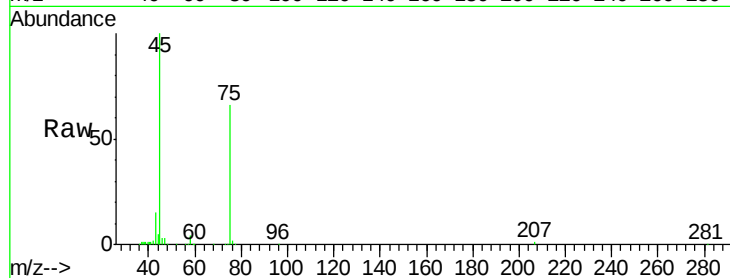
#16
Acetone
Concen: 7.132 ug/l
RT: 2.42 min Scan# 219
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion: 43 Resp: 8028
Ion Ratio Lower Upper
43 100
58 29.9 25.7 38.5

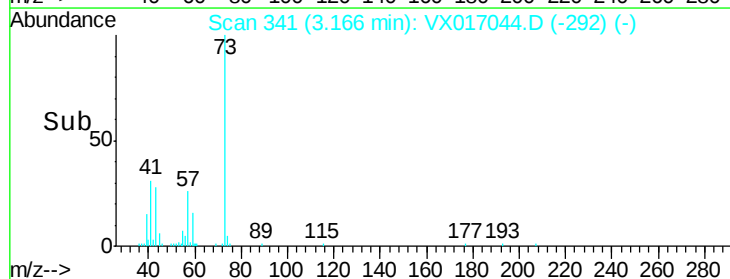
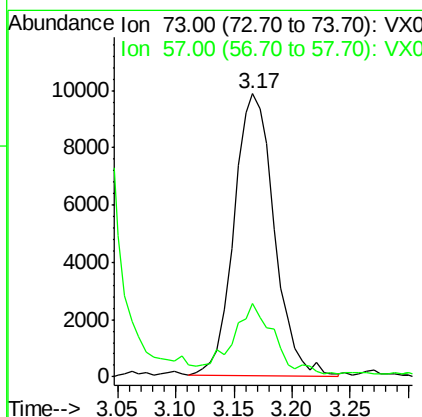
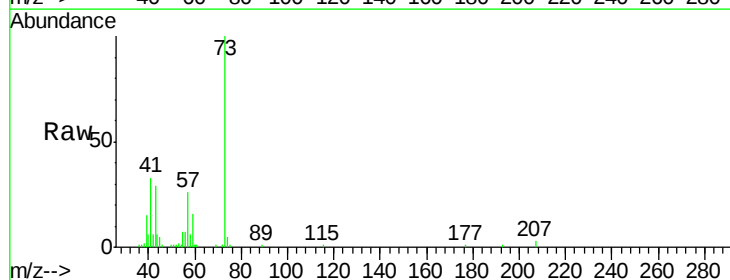
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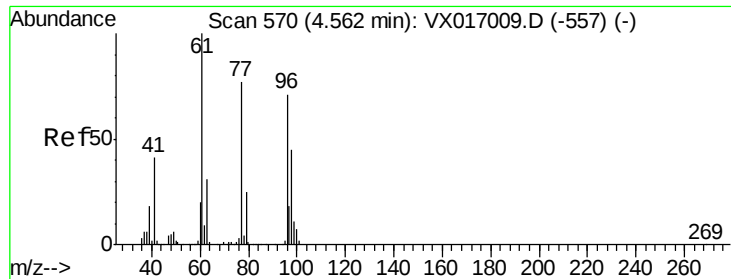
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#19
Methyl tert-butyl Ether
Concen: 2.930 ug/l
RT: 3.17 min Scan# 341
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 73 Resp: 23746
Ion Ratio Lower Upper
73 100
57 25.1 17.6 26.4





#27

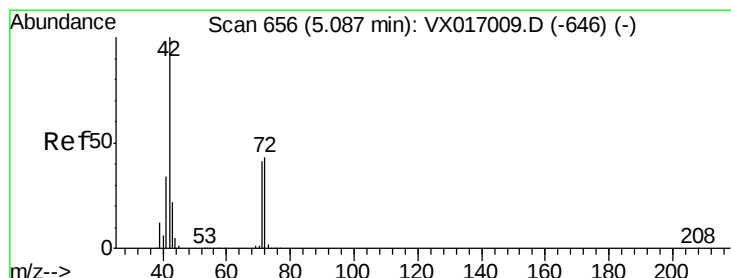
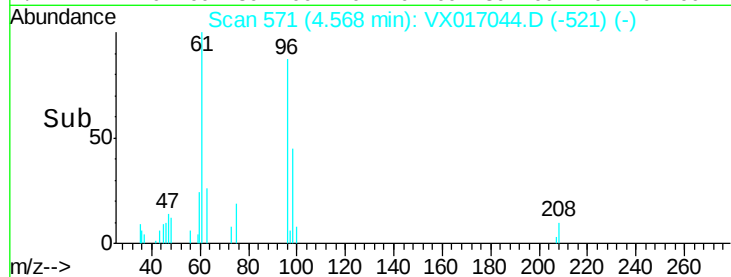
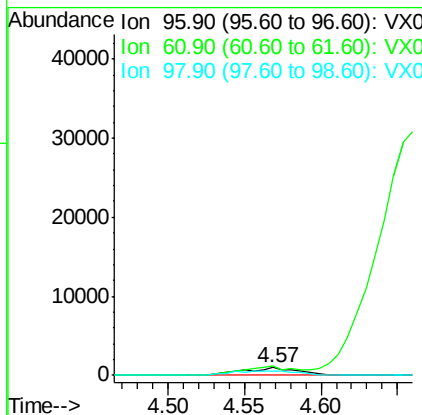
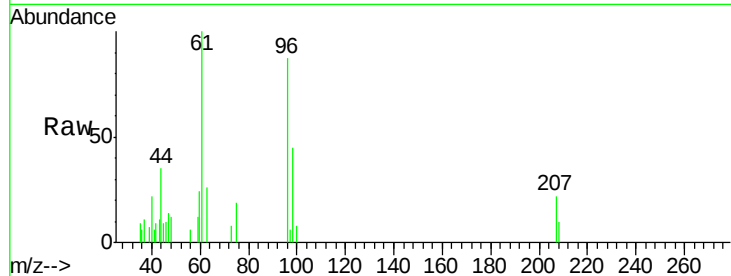
cis-1,2-Dichloroethene
Concen: 0.821 ug/l
RT: 4.57 min Scan# 571
Delta R.T. 0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
96	100		
61	0.0	0.0	282.8
98	63.6	0.0	127.6

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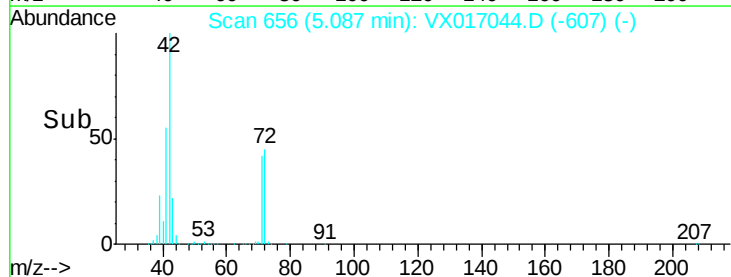
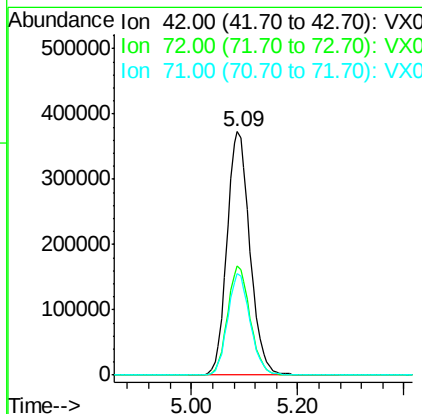
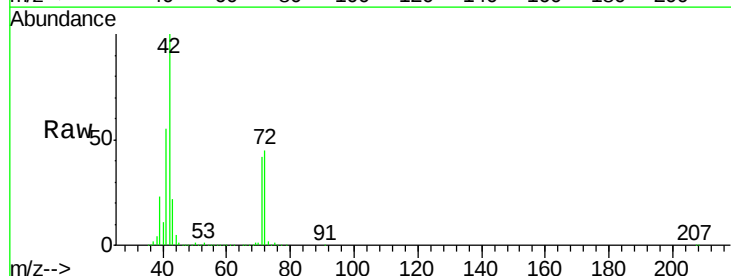
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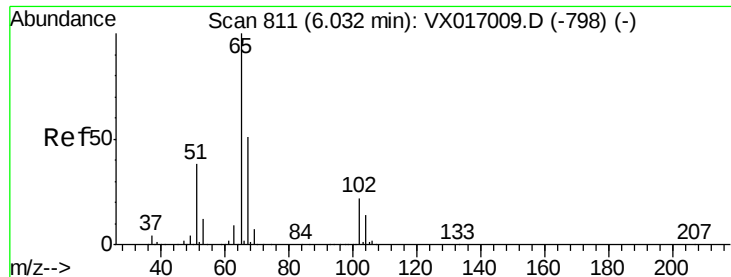


#29

Tetrahydrofuran
Concen: 906.306 ug/l
RT: 5.09 min Scan# 656
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
42	100		
72	44.0	35.3	52.9
71	41.0	33.1	49.7





#33

1,2-Dichloroethane-d4

Concen: 50.908 ug/l

RT: 6.03 min Scan# 811

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 65 Resp: 153178

Ion Ratio Lower Upper

65 100

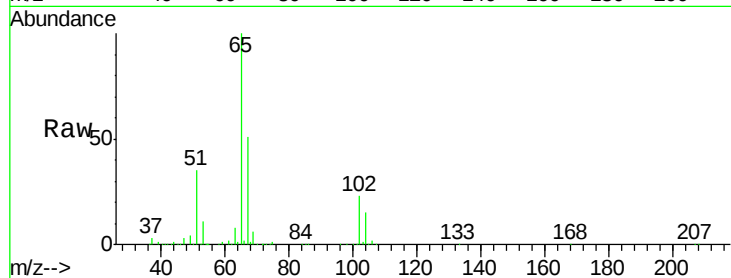
67 52.0 0.0 103.8

Manual Integrations

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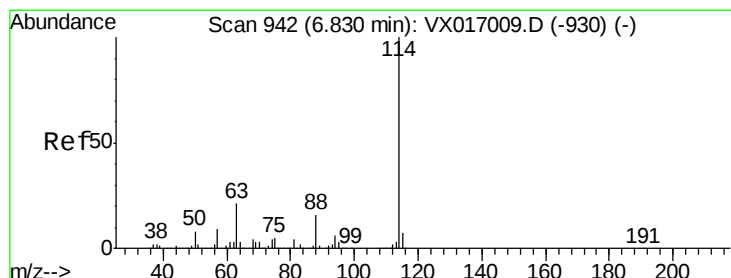
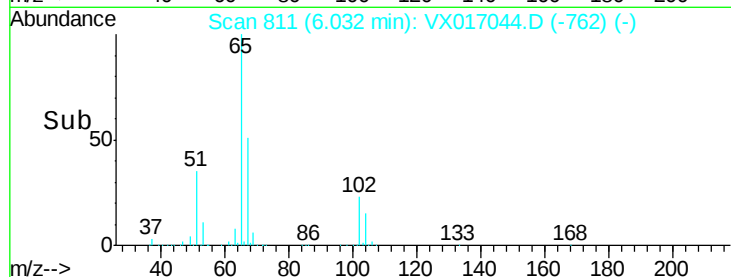
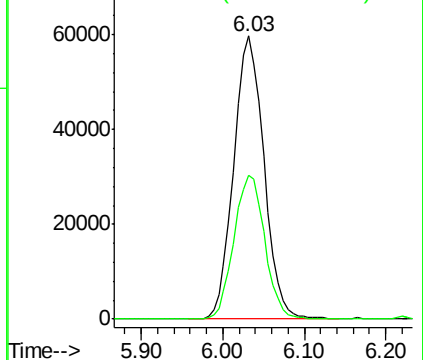
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Abundance Ion 64.90 (64.60 to 65.60): VX0

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: VX017044.D

Acq: 30 Jun 2020 14:53

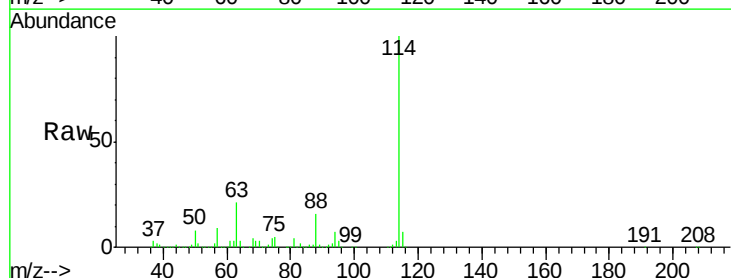
Tgt Ion: 114 Resp: 408095

Ion Ratio Lower Upper

114 100

63 21.2 0.0 41.4

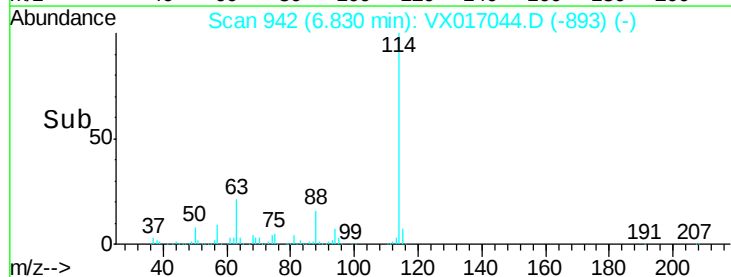
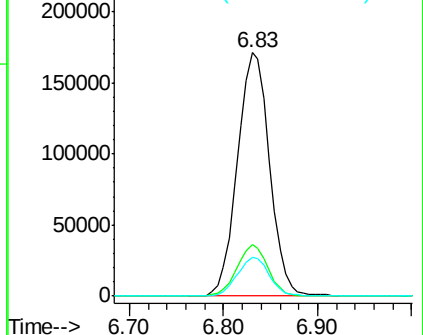
88 16.0 0.0 32.4

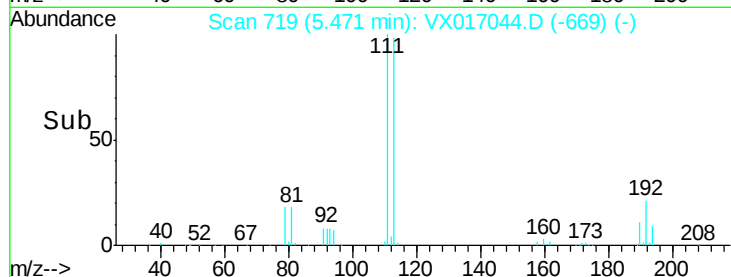
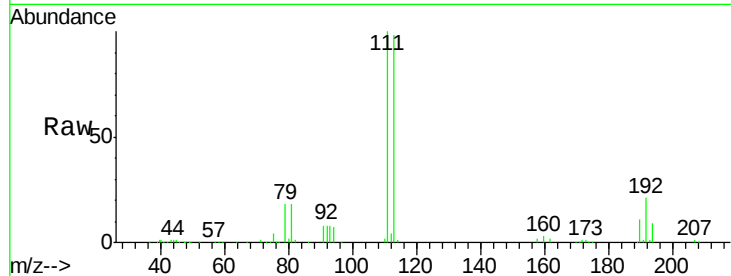
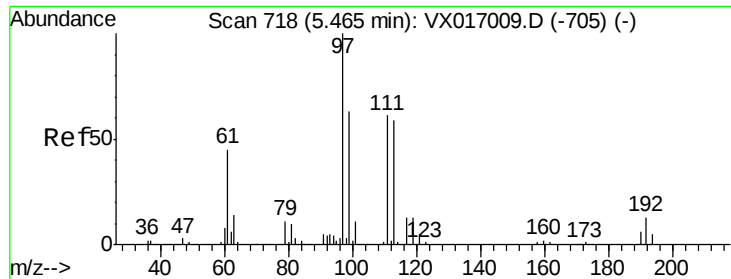


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





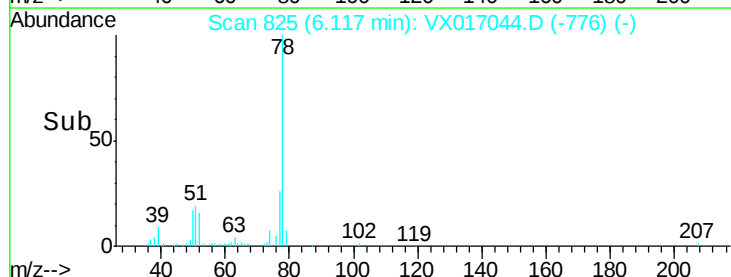
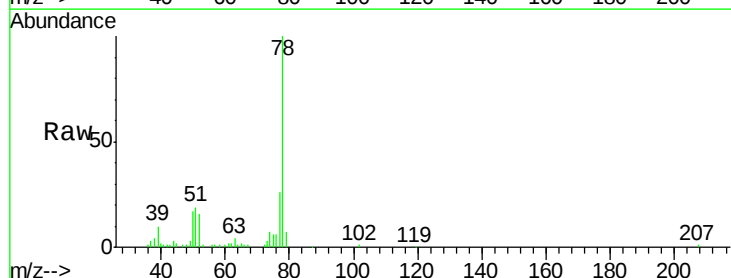
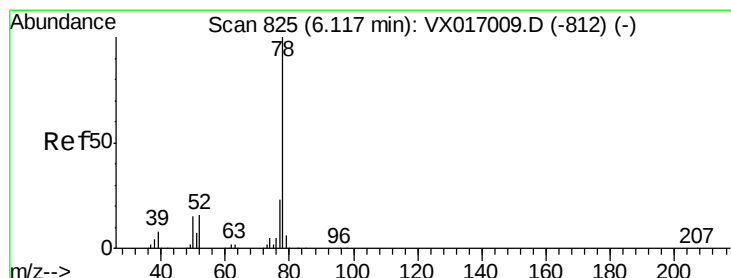
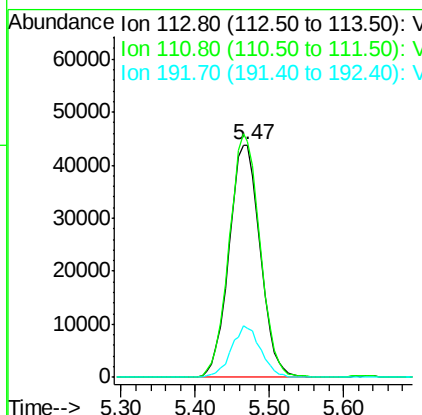
#35
Dibromofluoromethane
Concen: 49.784 ug/l
RT: 5.47 min Scan# 719
Delta R.T. 0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tot Ion	Ratio	Resp	Lower	Upper
113	100	128516		
111	103.3	81.9	122.9	
192	21.0	16.7	25.1	

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

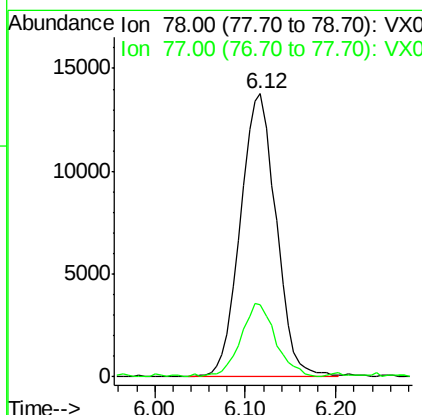
Manual Integrations
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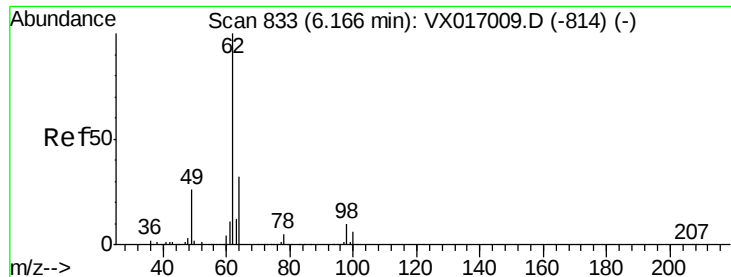
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#40
Benzene
Concen: 3.328 ug/l
RT: 6.12 min Scan# 825
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	37716		
77	25.5	18.3	27.5	





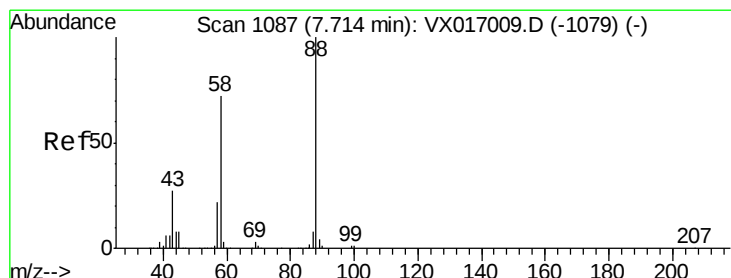
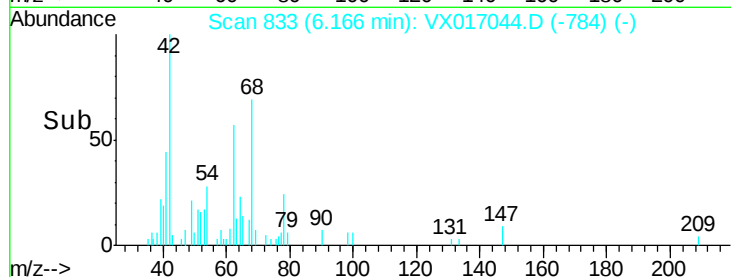
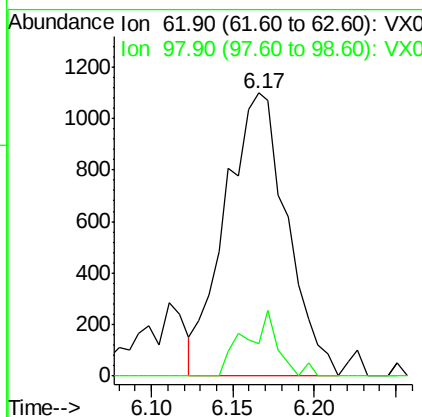
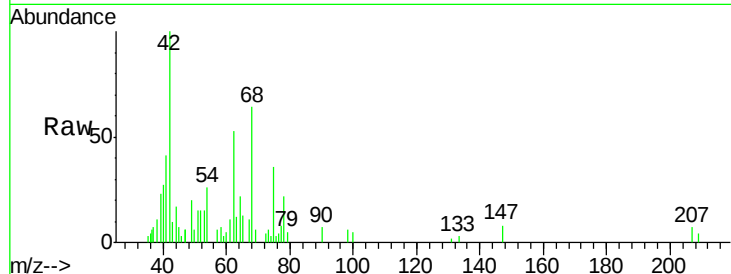
#42
 1,2-Dichloroethane
 Concen: 0.706 ug/l
 RT: 6.17 min Scan# 833
 Delta R.T. 0.00 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion	Ratio	Resp	Lower	Upper
62	100	2891		
98	12.6	0.0	19.2	

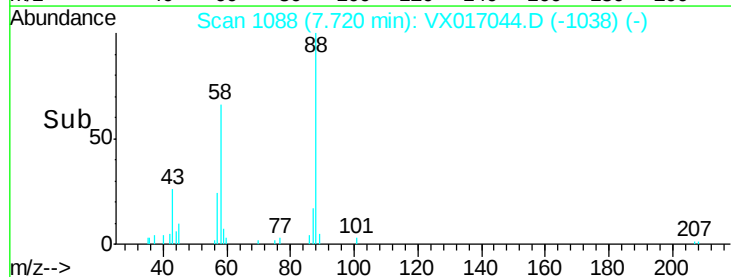
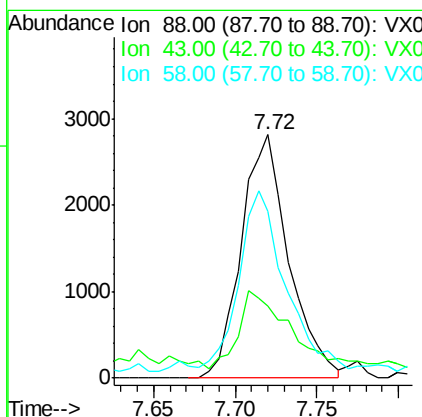
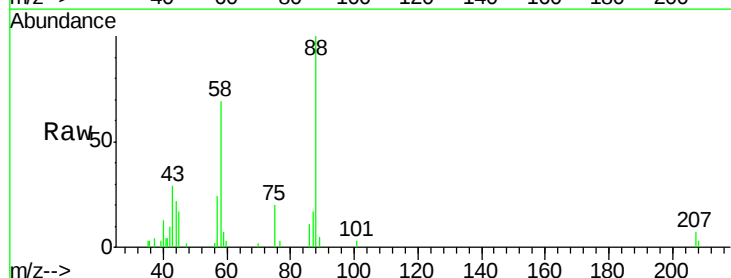
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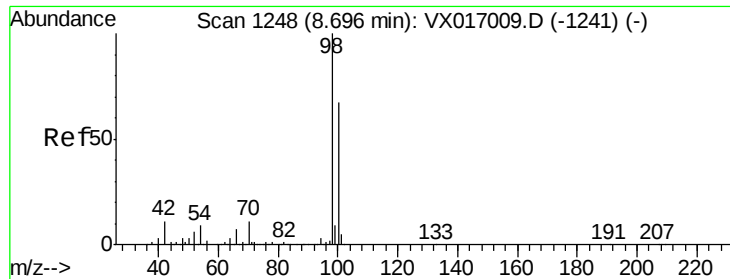
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 7/1/2020 10:49:22 AM



#49
 1,4-Dioxane
 Concen: 81.139 ug/l
 RT: 7.72 min Scan# 1088
 Delta R.T. 0.01 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Tgt Ion	Ratio	Resp	Lower	Upper
88	100	5679		
43	34.3	25.8	38.8	
58	74.0	54.8	82.2	





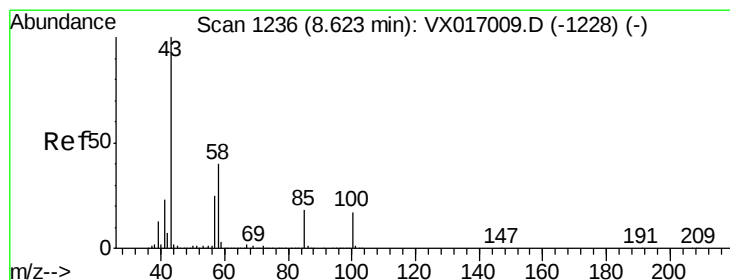
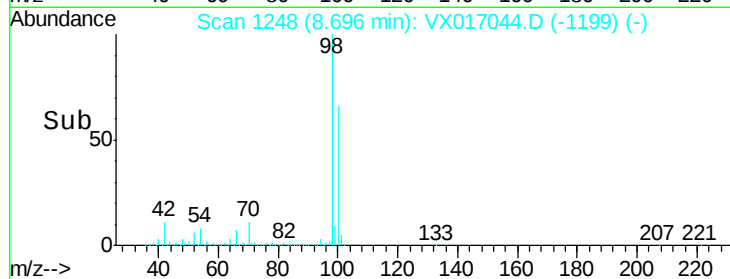
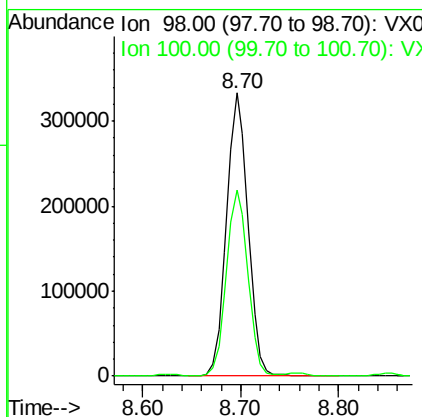
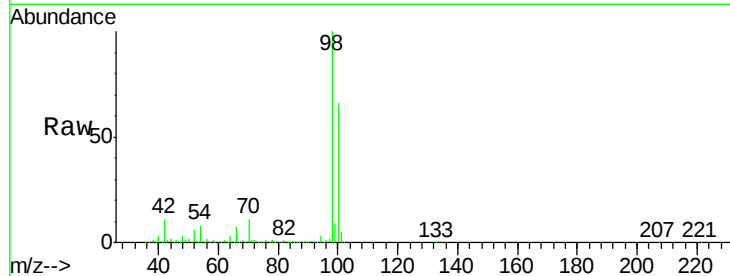
#50
Toluene-d8
Concen: 53.141 ug/l
RT: 8.70 min Scan# 1248
Delta R.T. 0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion: 98 Resp: 507269
Ion Ratio Lower Upper
98 100
100 65.5 53.8 80.6

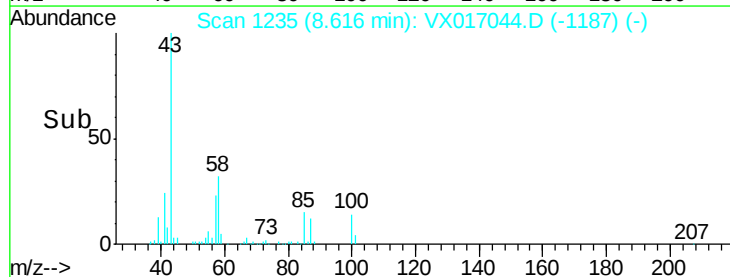
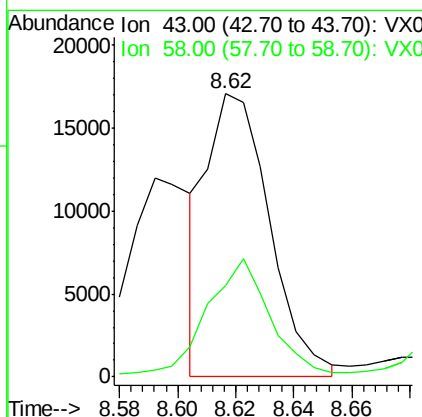
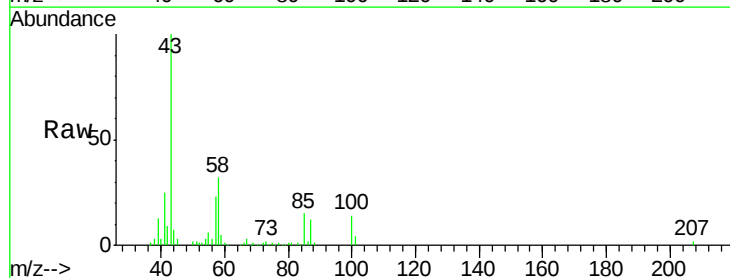
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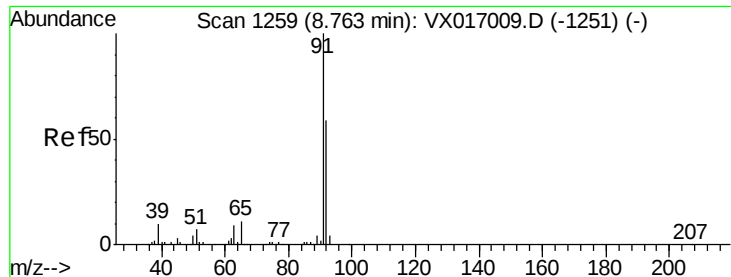
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#51
4-Methyl-2-Pentanone
Concen: 6.618 ug/l m
RT: 8.62 min Scan# 1235
Delta R.T. -0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 43 Resp: 25652
Ion Ratio Lower Upper
43 100
58 42.2 31.9 47.9





#52

Toluene

Concen: 5.762 ug/l

RT: 8.76 min Scan# 1259

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion: 92 Resp: 40768

Ion Ratio Lower Upper

92 100

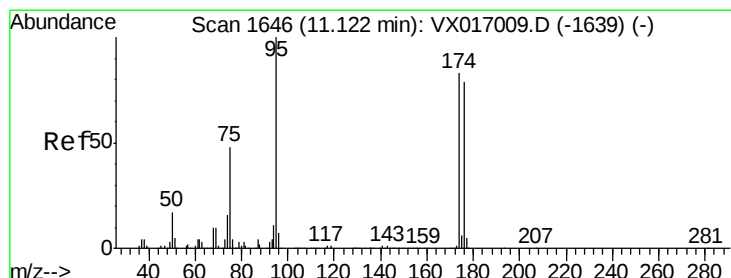
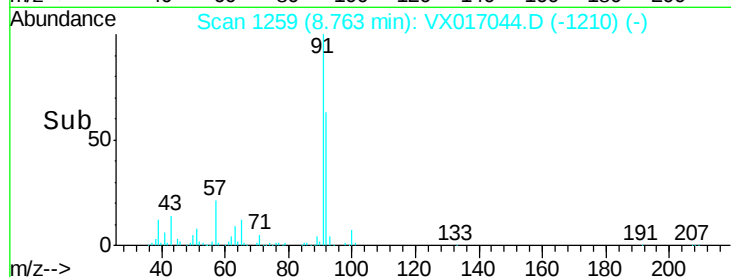
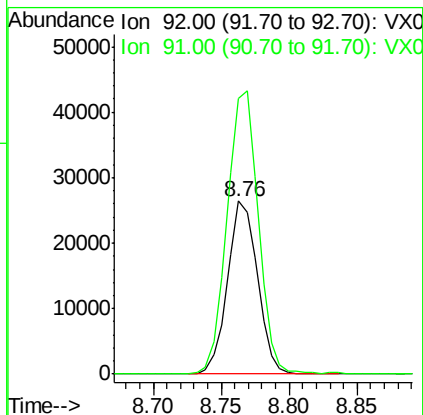
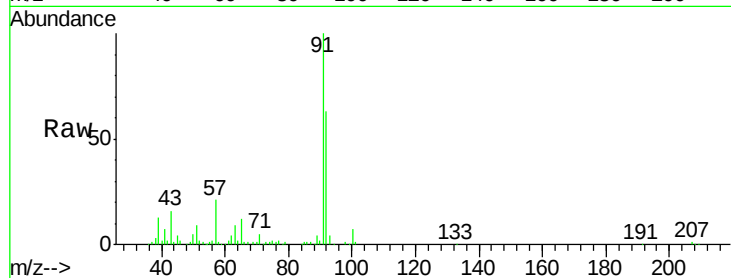
91 169.8 136.9 205.3

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#62

4-Bromofluorobenzene

Concen: 57.556 ug/l

RT: 11.12 min Scan# 1646

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

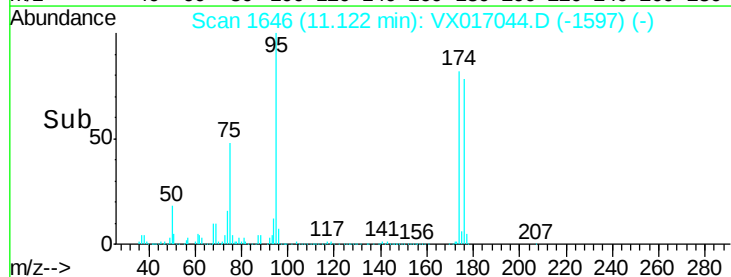
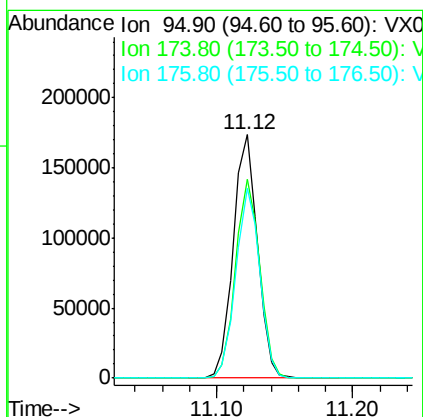
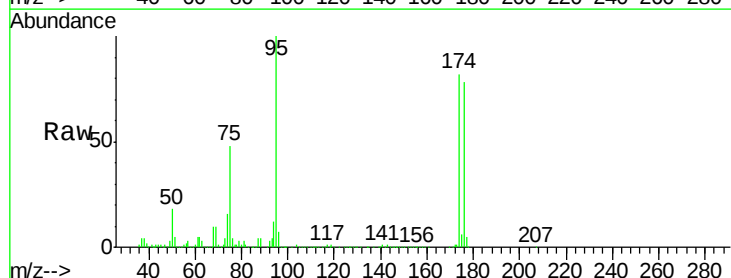
Tgt Ion: 95 Resp: 214776

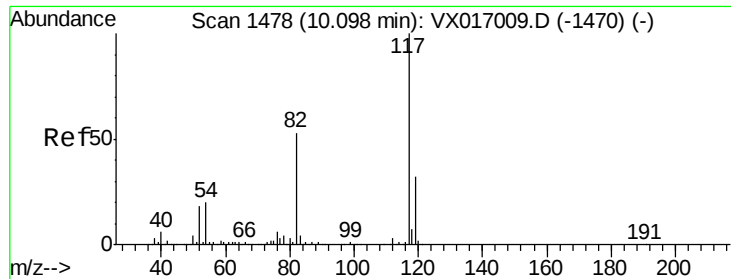
Ion Ratio Lower Upper

95 100

174 82.1 0.0 164.0

176 77.3 0.0 157.6





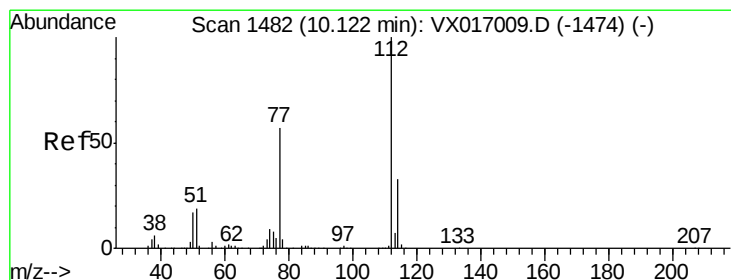
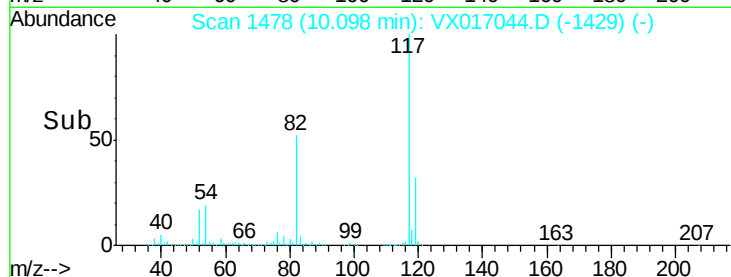
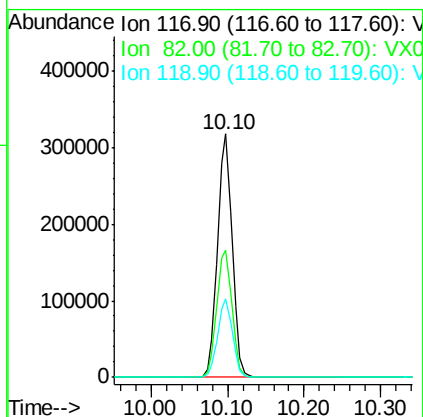
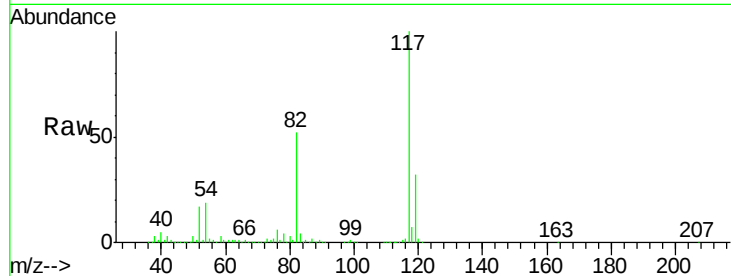
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.10 min Scan# 1478
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.3	42.6	63.8
119	32.4	25.4	38.2

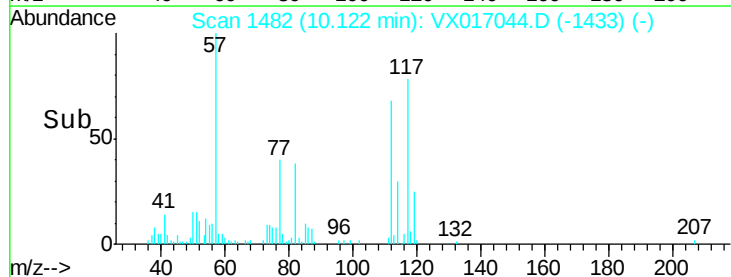
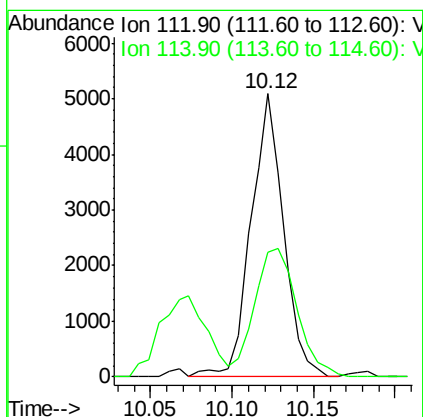
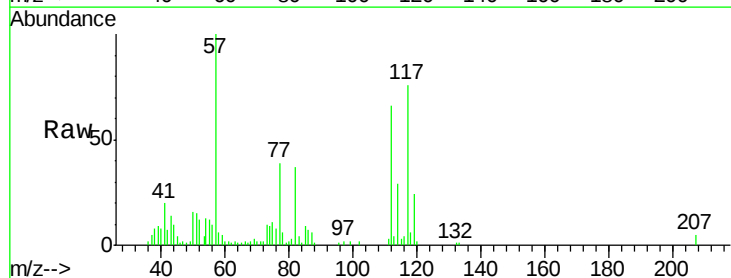
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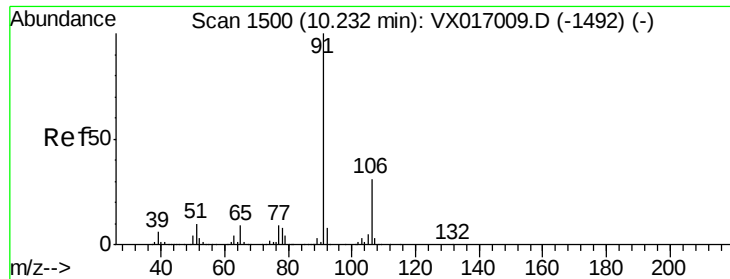
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#65
Chlorobenzene
Concen: 0.813 ug/l
RT: 10.12 min Scan# 1482
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion	Ratio	Lower	Upper
112	100		
114	42.6	26.2	39.4





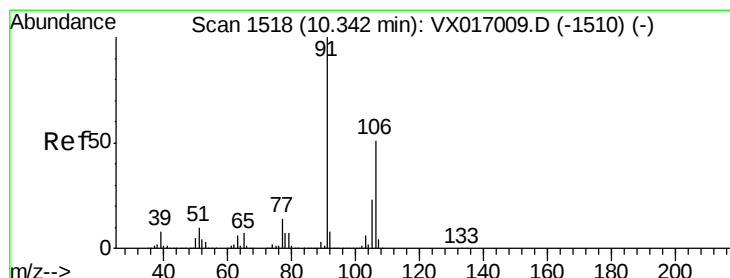
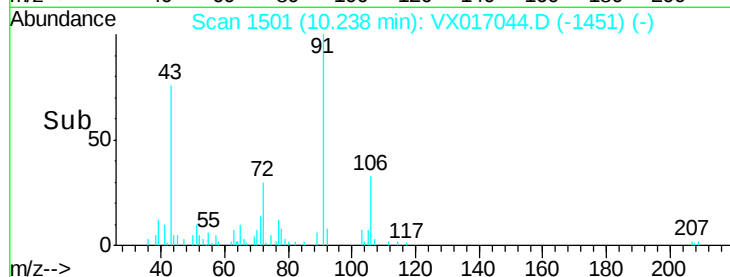
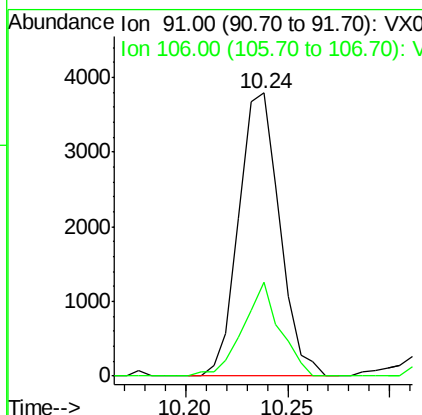
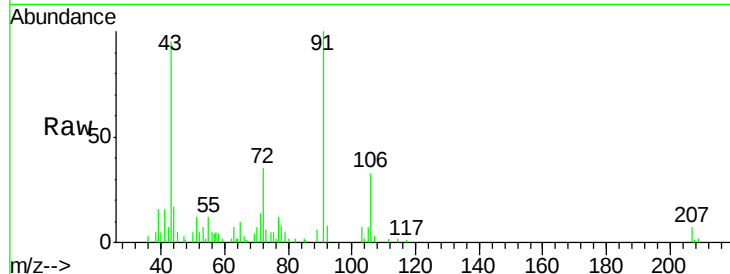
#67
Ethyl Benzene
Concen: 0.363 ug/l
RT: 10.24 min Scan# 1501
Delta R.T. 0.01 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

Tot Ion: 91 Resp: 5269
Ion Ratio Lower Upper
91 100
106 33.3 24.7 37.1

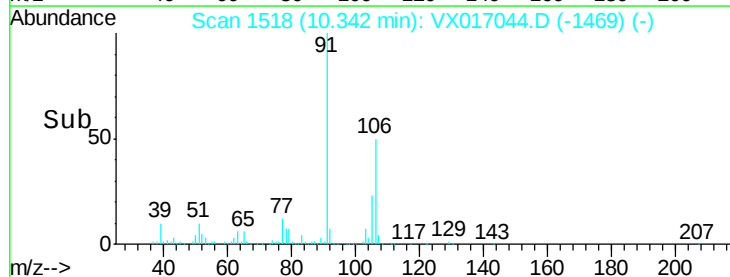
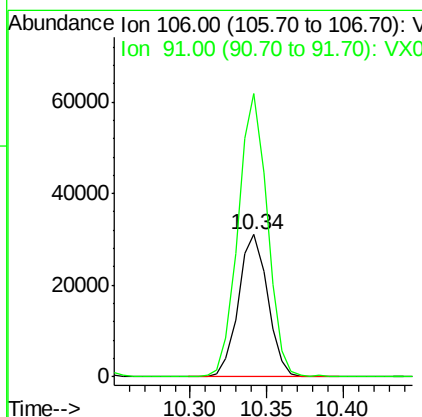
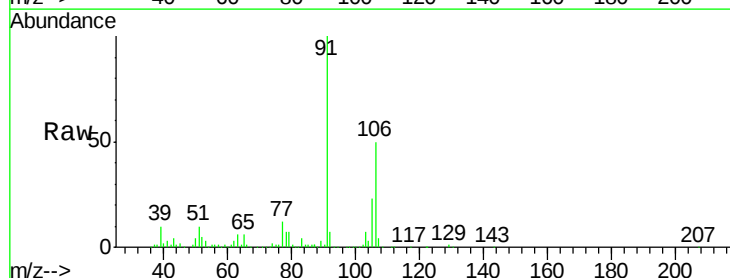
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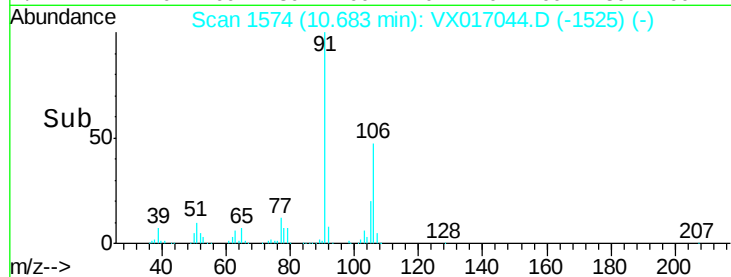
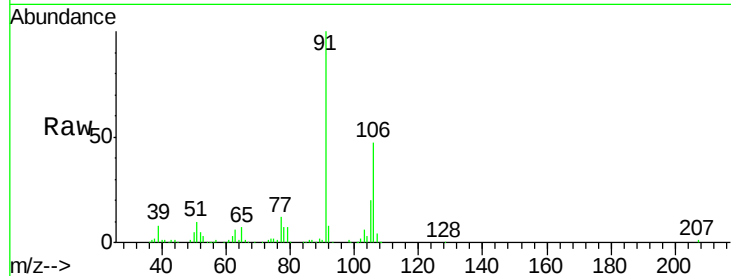
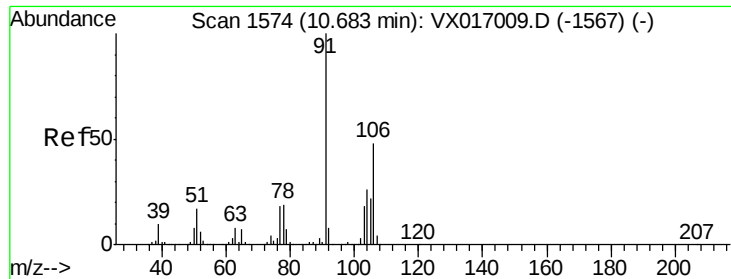
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#68
m/p-Xylenes
Concen: 7.416 ug/l
RT: 10.34 min Scan# 1518
Delta R.T. -0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion: 106 Resp: 41355
Ion Ratio Lower Upper
106 100
91 198.2 158.6 238.0





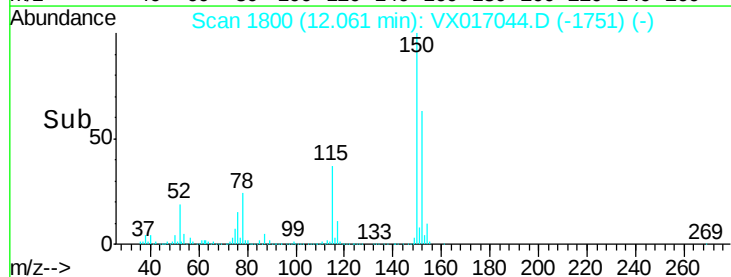
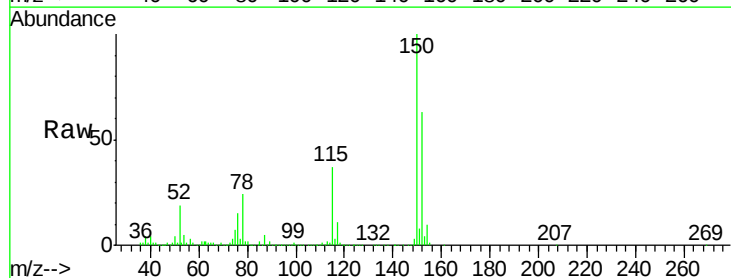
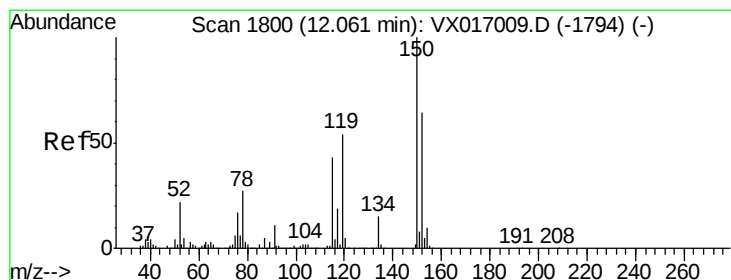
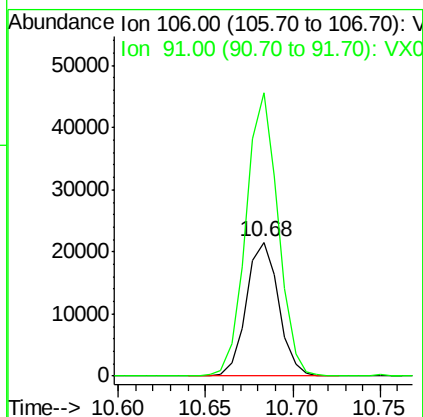
#69
o-Xylene
Concen: 5.214 ug/l
RT: 10.68 min Scan# 1574
Delta R.T. 0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tot Ion:106 Resp: 27657
Ion Ratio Lower Upper
106 100
91 209.8 105.6 316.7

Instrument :
MSVOA_X
ClientSampleId :
200624026-02-VOA

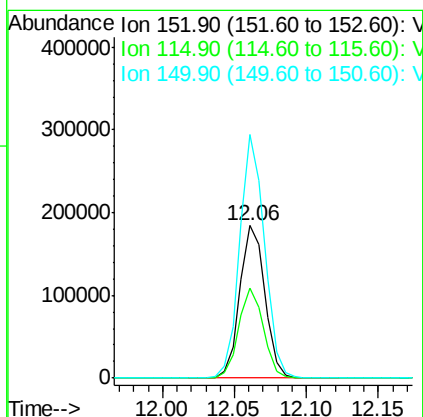
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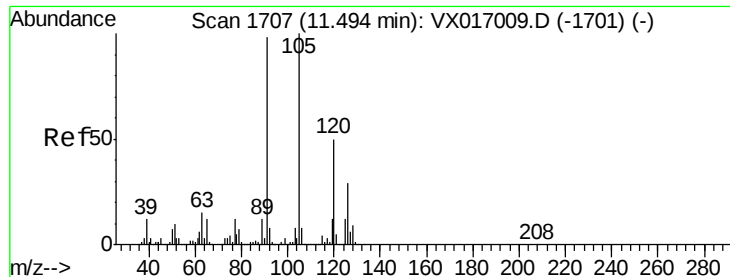
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.06 min Scan# 1800
Delta R.T. 0.00 min
Lab File: VX017044.D
Acq: 30 Jun 2020 14:53

Tgt Ion:152 Resp: 222709
Ion Ratio Lower Upper
152 100
115 58.1 40.9 122.7
150 157.9 0.0 351.6





#80

1,3,5-Trimethylbenzene

Concen: 0.714 ug/l

RT: 11.49 min Scan# 1707

Delta R.T. -0.00 min

Lab File: VX017044.D

Acq: 30 Jun 2020 14:53

Instrument :

MSVOA_X

ClientSampleId :

200624026-02-VOA

Tot Ion:105 Resp: 8639

Ion Ratio Lower Upper

105 100

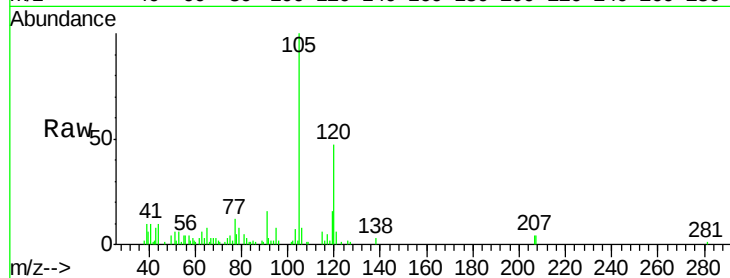
120 50.0 24.9 74.6

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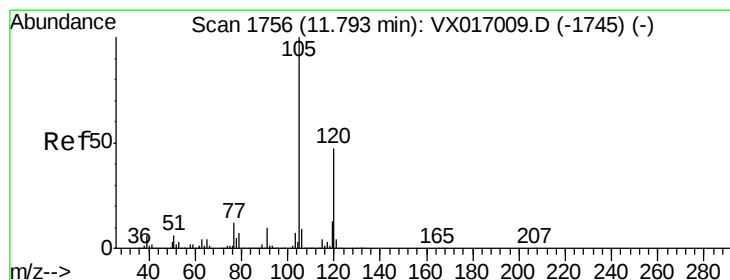
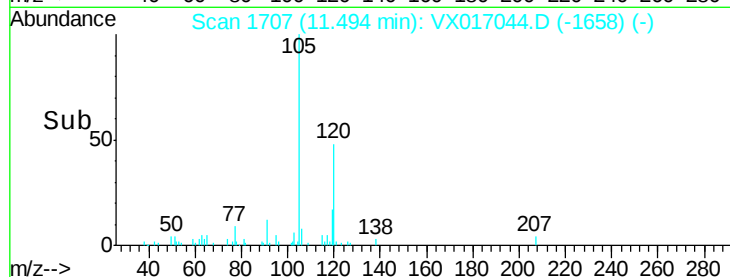
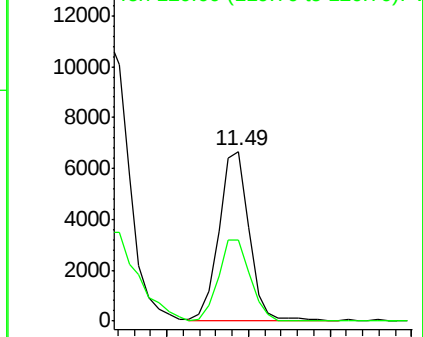
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#84

1,2,4-Trimethylbenzene

Concen: 1.728 ug/l

RT: 11.79 min Scan# 1756

Delta R.T. -0.00 min

Lab File: VX017044.D

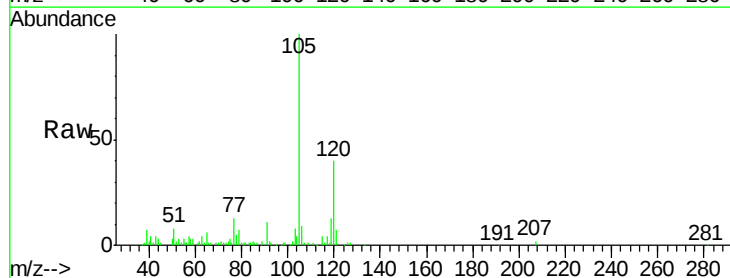
Acq: 30 Jun 2020 14:53

Tgt Ion:105 Resp: 21211

Ion Ratio Lower Upper

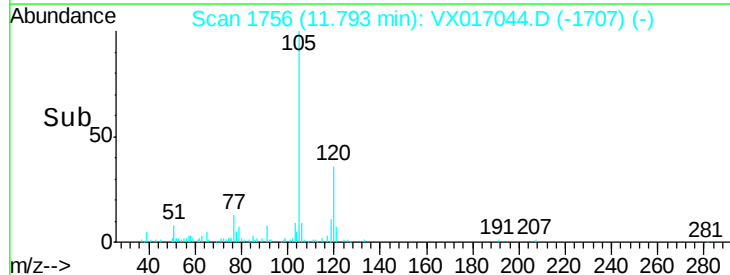
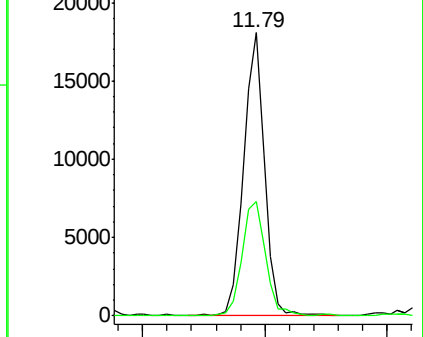
105 100

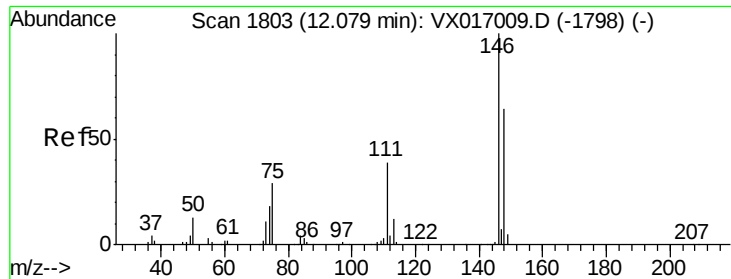
120 46.0 22.9 68.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#88
 1,4-Dichlorobenzene
 Concen: 2.777 ug/l
 RT: 12.08 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VX017044.D
 Acq: 30 Jun 2020 14:53

Instrument :
 MSVOA_X
 ClientSampleId :
 200624026-02-VOA

Tot Ion:	146	Resp:	20311
Ion Ratio		Lower	Upper
146	100		
111	53.6	19.5	58.5
148	68.8	31.9	95.7

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