

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX122418\
 Data File : VX006803.D
 Acq On : 24 Dec 2018 18:51
 Operator : JC/MD
 Sample : J6533-13
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

Manual Integrations
 APPROVED

MMDadoda
 12/26/2018 9:57:51 AM

Quant Time: Dec 25 04:12:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
 Quant Title : SW846 8260
 QLast Update : Wed Dec 19 15:20:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	716327	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	1049862	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	963902	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	494175	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	357797	46.35	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.70%	
35) Dibromofluoromethane	5.50	113	308026	46.40	ug/l	0.00
Spiked Amount 50.000			Recovery	=	92.80%	
50) Toluene-d8	8.71	98	1244133	49.71	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	451750	49.28	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.56%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.07	59	3295611	1912.771	ug/l	99
16) Acetone	2.45	43	540577	152.407	ug/l	100
18) Methyl Acetate	2.78	43	31239	2.995	ug/l	95
20) Methylene Chloride	2.86	84	2941	0.401	ug/l #	87
25) 2-Butanone	4.70	43	244147	48.935	ug/l	95
40) Benzene	6.14	78	33958	1.285	ug/l	96
48) Methyl methacrylate	7.77	41	48798	6.969	ug/l	98
51) 4-Methyl-2-Pentanone	8.65	43	8845	1.010	ug/l	96
52) Toluene	8.79	92	28516	1.670	ug/l	99
67) Ethyl Benzene	10.25	91	9142	0.274	ug/l	98
68) m/p-Xylenes	10.35	106	16846	1.281	ug/l	100
69) o-Xylene	10.69	106	6662	0.513	ug/l	99
70) Styrene	10.71	104	50536	2.460	ug/l	92
84) 1,2,4-Trimethylbenzene	11.80	105	16345m	0.558	ug/l	
95) Naphthalene	13.83	128	46835	1.291	ug/l	97

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

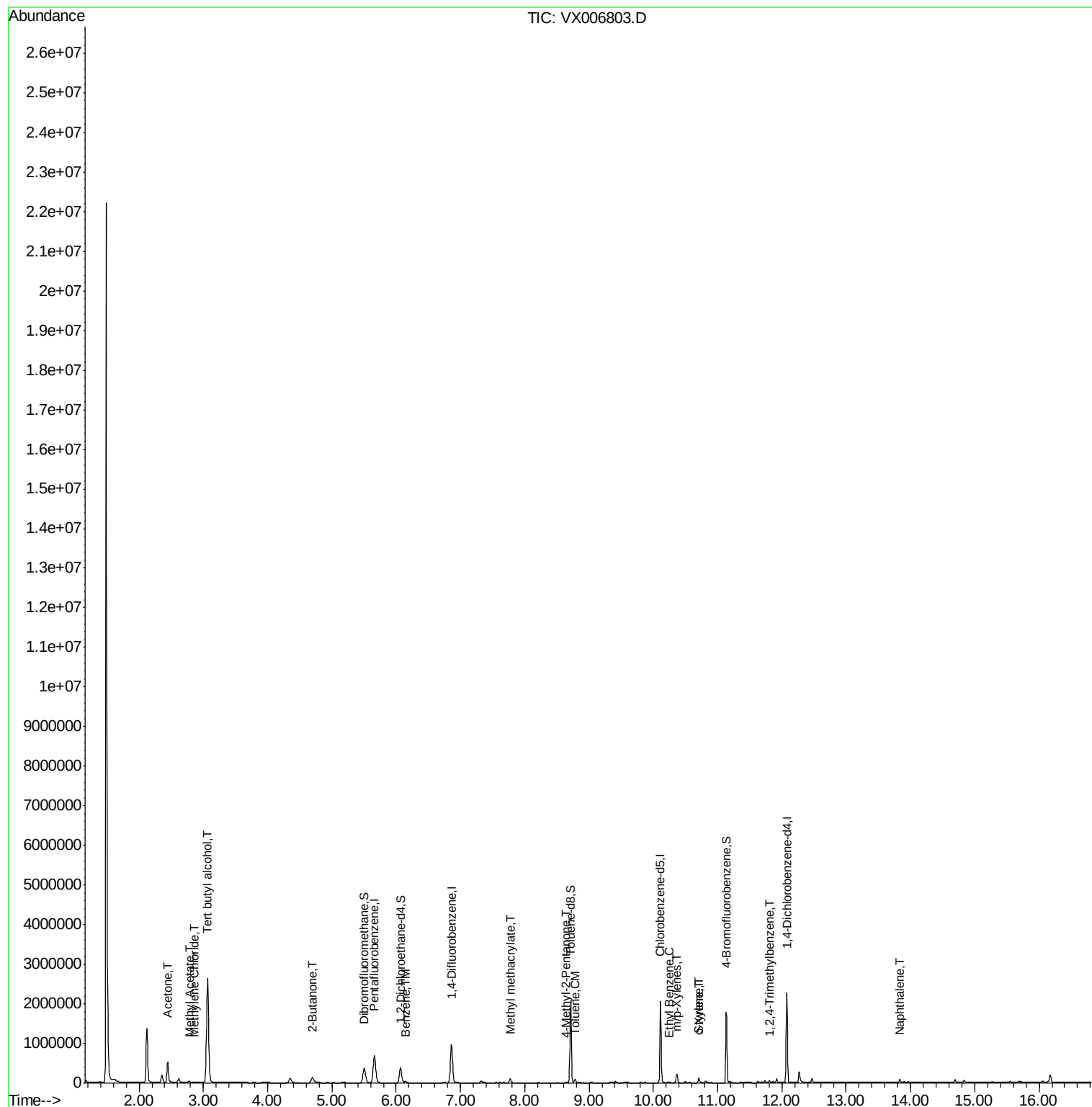
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX122418\
Data File : VX006803.D
Acq On : 24 Dec 2018 18:51
Operator : JC/MD
Sample : J6533-13
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

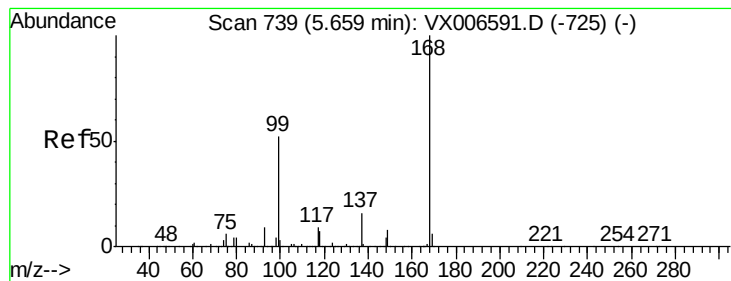
Instrument :
MSVOA_X
ClientSampleId :
COMP-3

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Quant Time: Dec 25 04:12:32 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X121818W.M
Quant Title : SW846 8260
QLast Update : Wed Dec 19 15:20:58 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. 0.01 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

COMP-3

Tot Ion:168 Resp: 716327

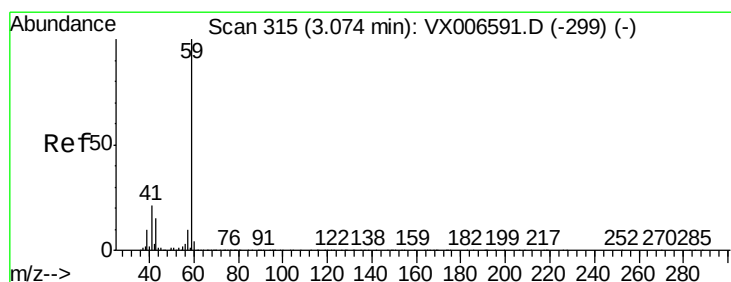
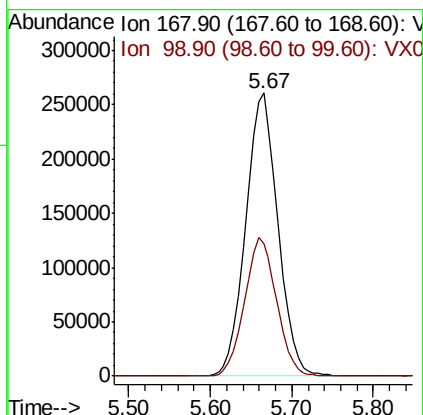
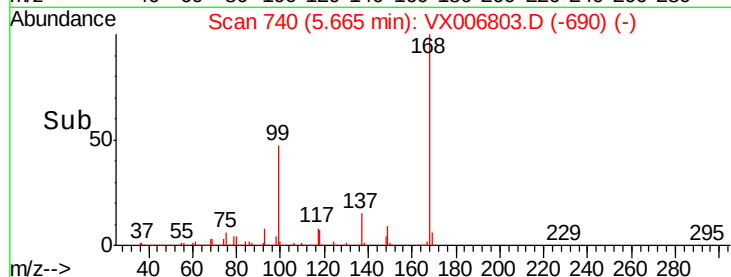
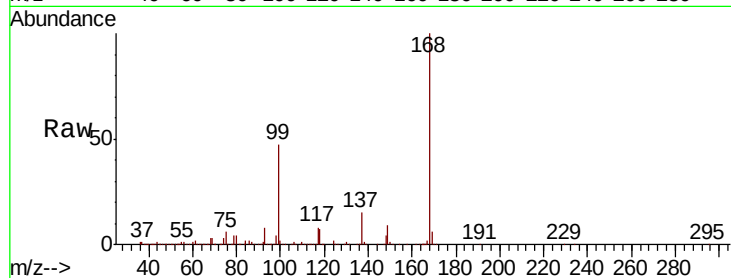
Ion Ratio Lower Upper

168 100

99 46.6 41.8 62.8

Manual Integrations
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#11

Tert butyl alcohol

Concen: 1912.771 ug/l

RT: 3.07 min Scan# 314

Delta R.T. -0.01 min

Lab File: VX006803.D

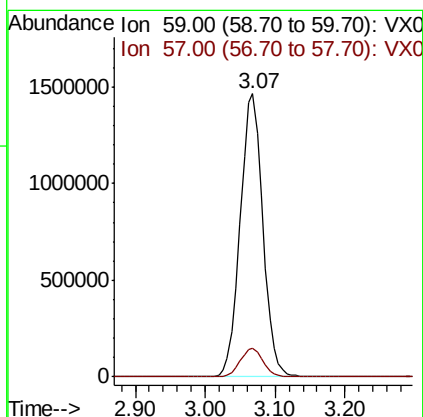
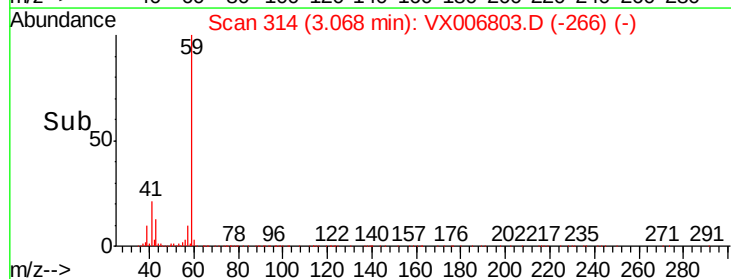
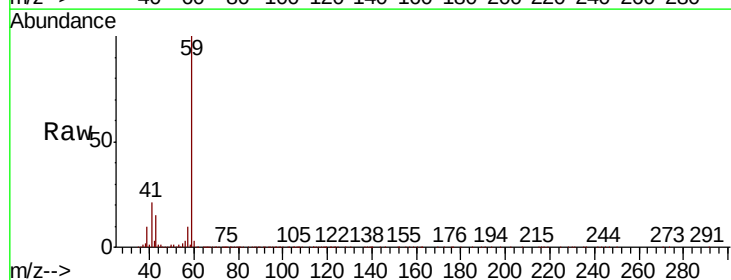
Acq: 24 Dec 2018 18:51

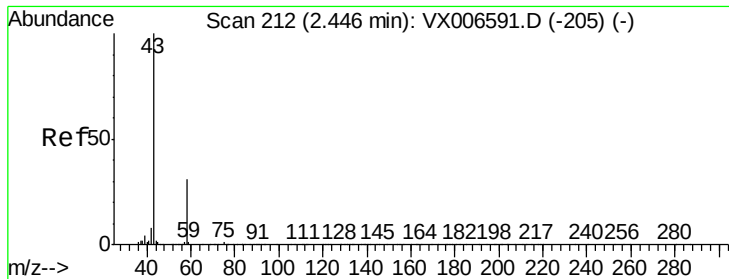
Tgt Ion: 59 Resp: 3295611

Ion Ratio Lower Upper

59 100

57 10.2 8.5 12.7





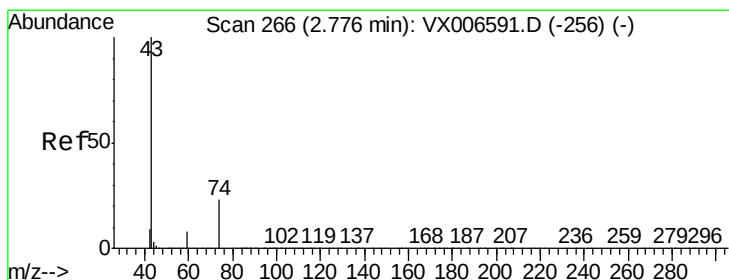
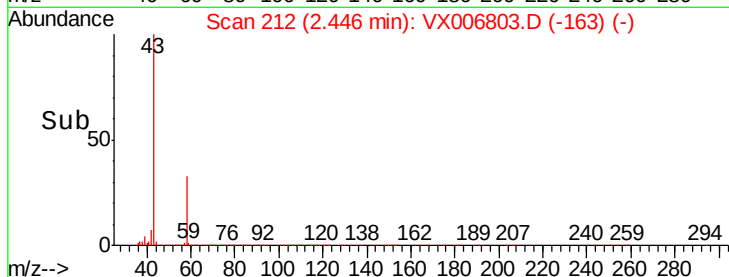
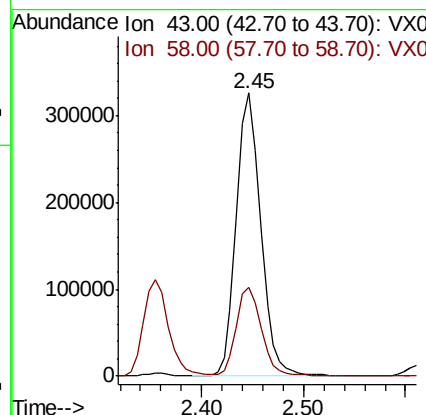
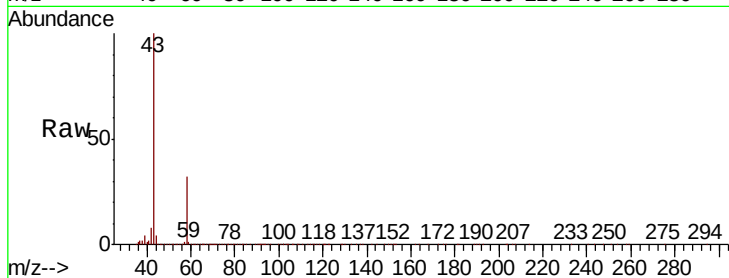
#16
Acetone
Concen: 152.407 ug/l
RT: 2.45 min Scan# 212
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Instrument :
MSVOA_X
ClientSampled :
COMP-3

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.5	25.0	37.6

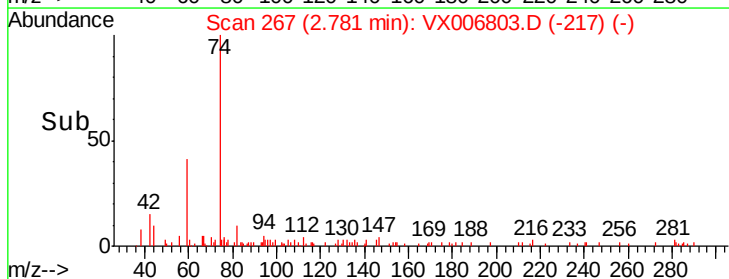
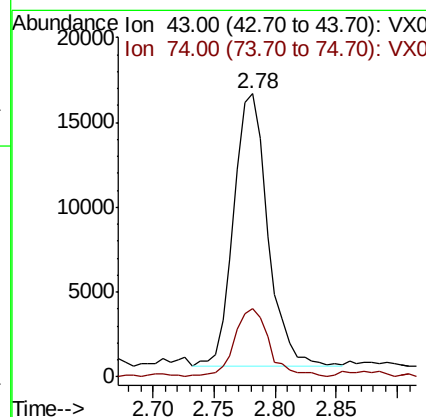
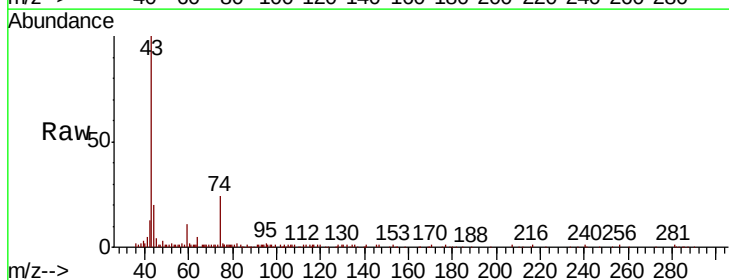
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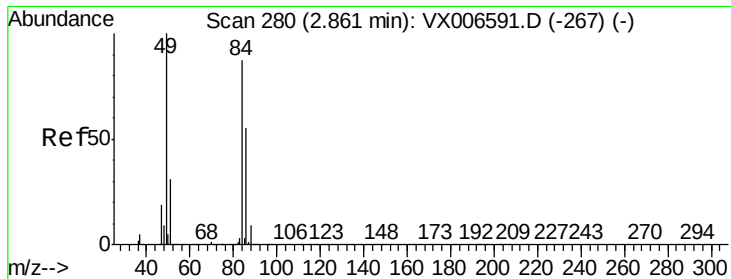
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#18
Methyl Acetate
Concen: 2.995 ug/l
RT: 2.78 min Scan# 267
Delta R.T. 0.01 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.6	18.6	28.0





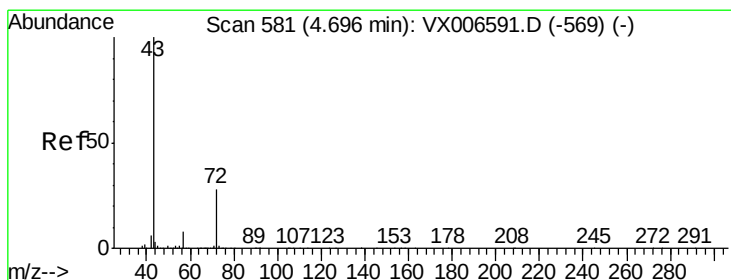
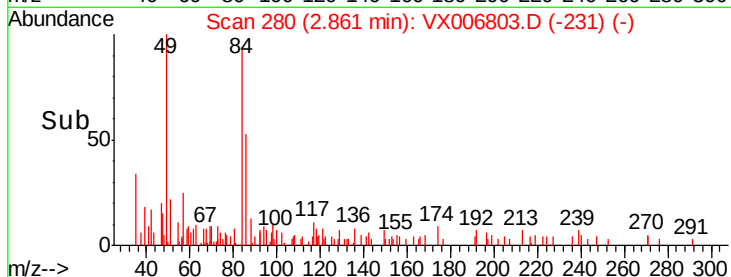
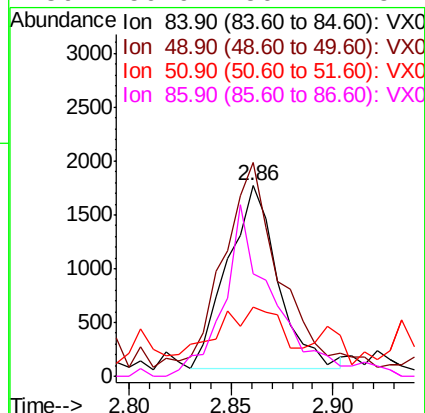
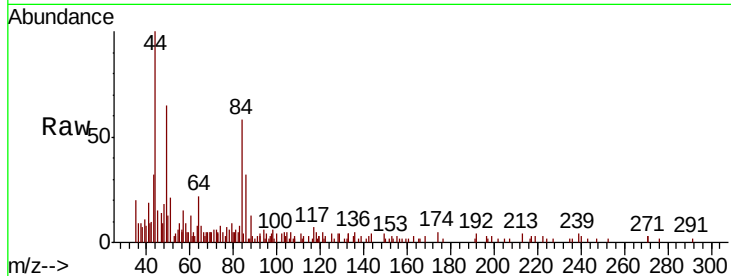
#20
Methvlene Chloride
Concen: 0.401 ug/l
RT: 2.86 min Scan# 280
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

Tot Ion:	84	Resp:	2941
Ion	Ratio	Lower	Upper
84	100		
49	106.5	91.8	137.6
51	20.7	28.5	42.7#
86	50.9	50.2	75.2

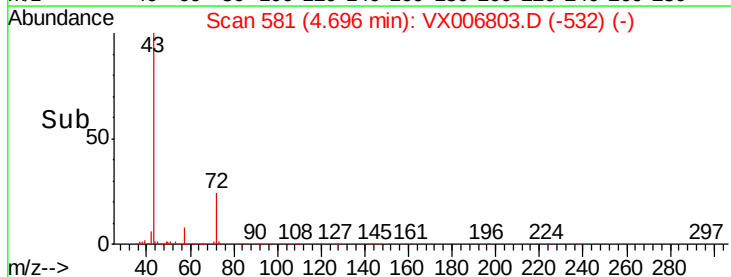
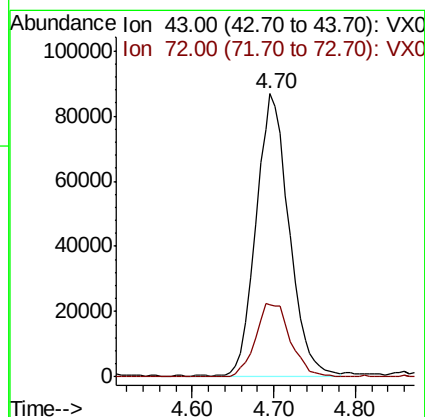
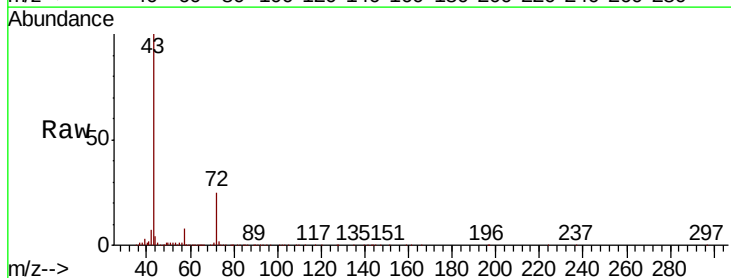
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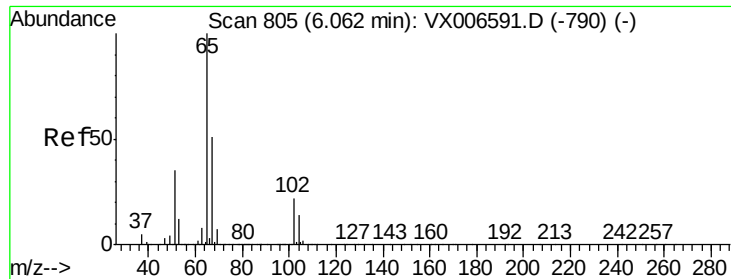
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#25
2-Butanone
Concen: 48.935 ug/l
RT: 4.70 min Scan# 581
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Tgt Ion:	43	Resp:	244147
Ion	Ratio	Lower	Upper
43	100		
72	25.3	22.4	33.6





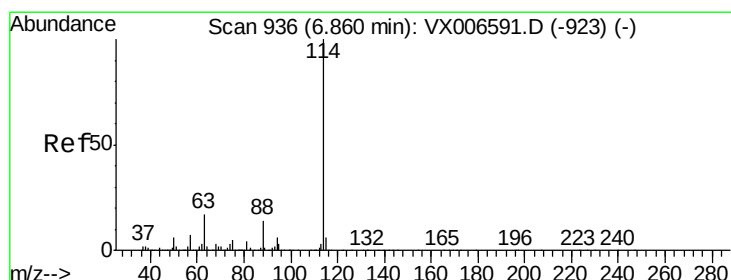
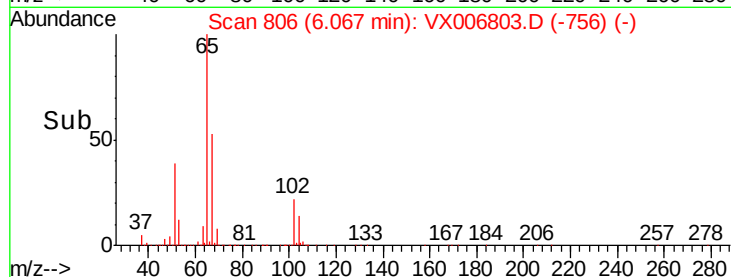
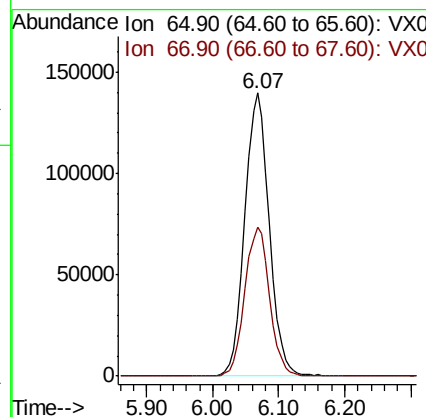
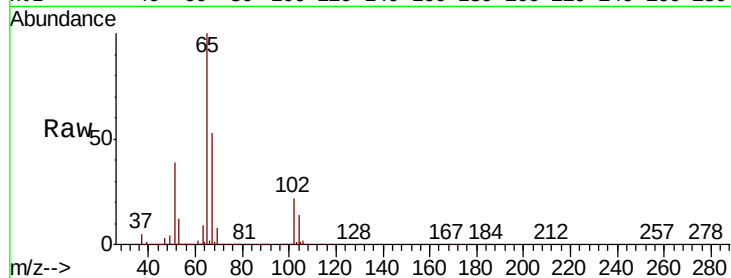
#33
 1,2-Dichloroethane-d4
 Concen: 46.345 ug/l
 RT: 6.07 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: VX006803.D
 Acq: 24 Dec 2018 18:51

Instrument :
 MSVOA_X
 ClientSampleId :
 COMP-3

Tot Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	105.0

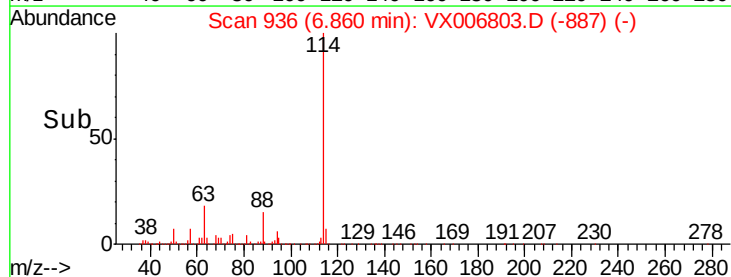
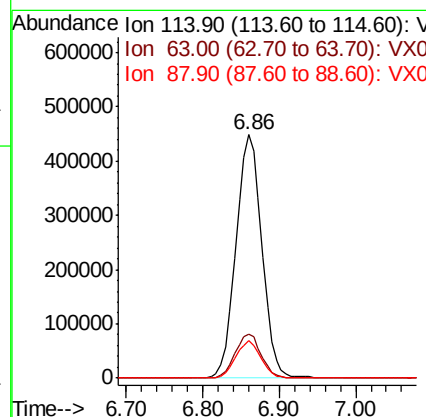
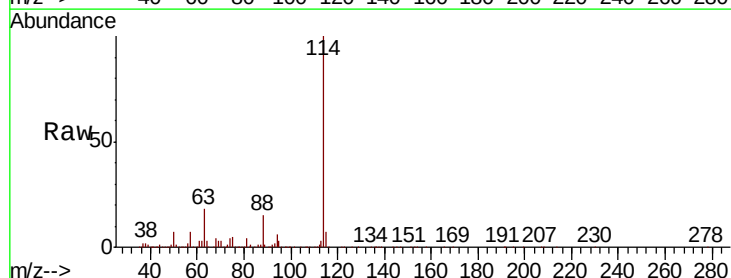
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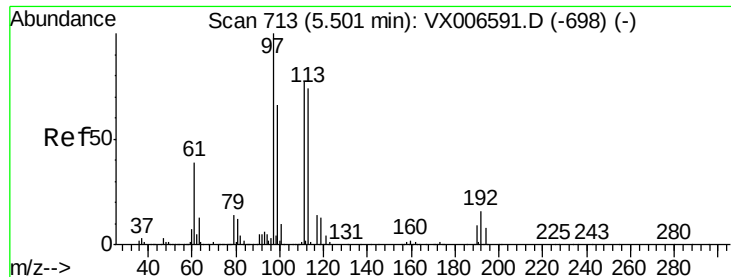
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 12/26/2018 9:57:51 AM



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX006803.D
 Acq: 24 Dec 2018 18:51

Tgt Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	34.8
88	15.2	0.0	28.8





#35

Dibromofluoromethane

Concen: 46.396 ug/l

RT: 5.50 min Scan# 713

Delta R.T. -0.00 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Instrument :

MSVOA_X

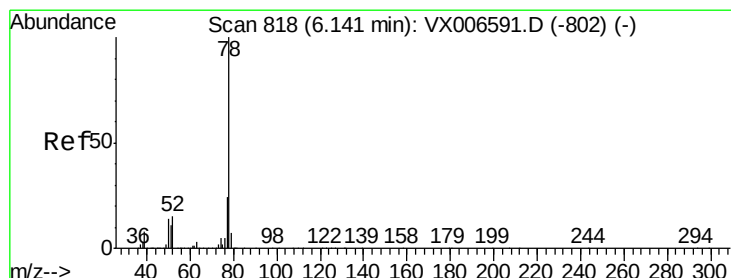
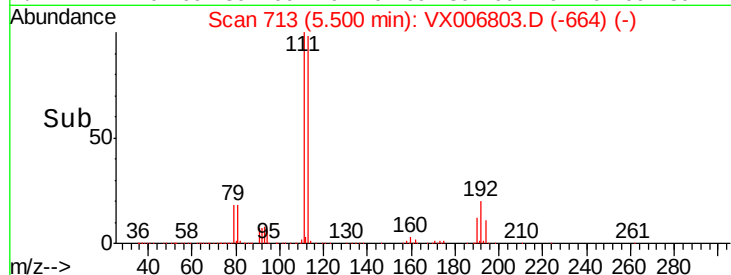
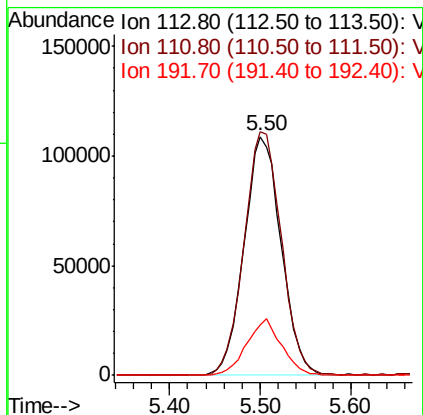
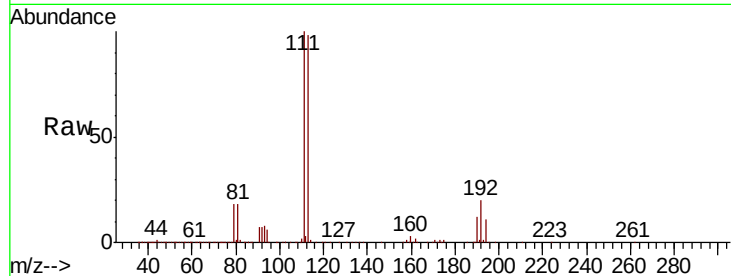
ClientSampled :

COMP-3

Tot Ion:	113	Resp:	308026
Ion Ratio	Lower	Upper	
113	100		
111	102.7	81.6	122.4
192	22.3	16.7	25.1

Manual Integrations
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#40

Benzene

Concen: 1.285 ug/l

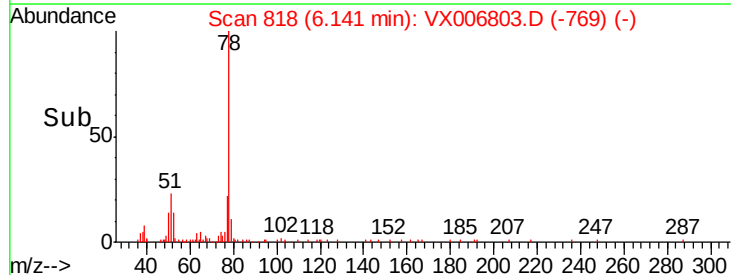
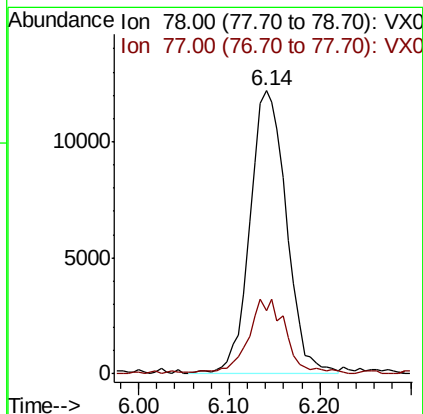
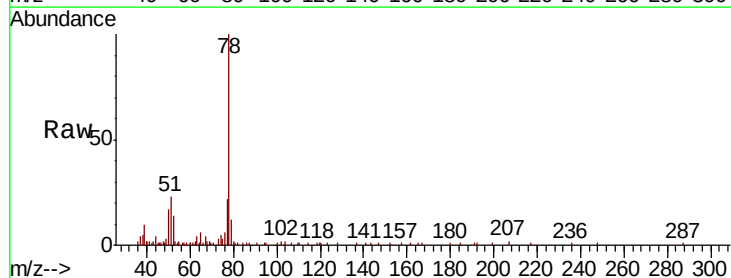
RT: 6.14 min Scan# 818

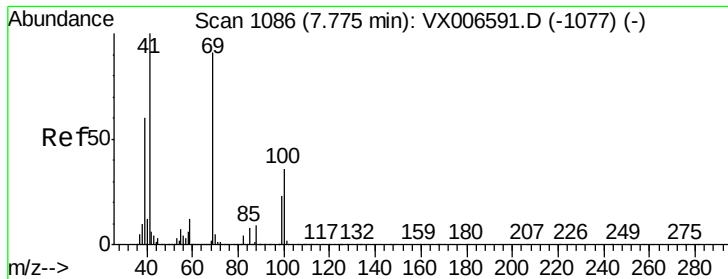
Delta R.T. -0.00 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Tgt Ion:	78	Resp:	33958
Ion Ratio	Lower	Upper	
78	100		
77	21.9	19.2	28.8





#48

Methvl methacrylate

Concen: 6.969 ug/l

RT: 7.77 min Scan# 1086

Delta R.T. -0.00 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Instrument :

MSVOA_X

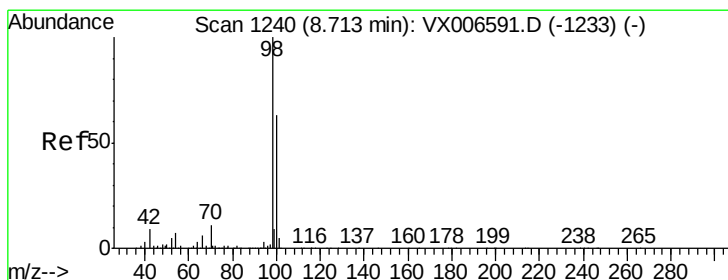
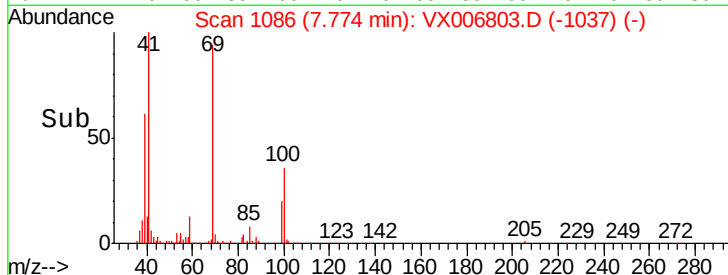
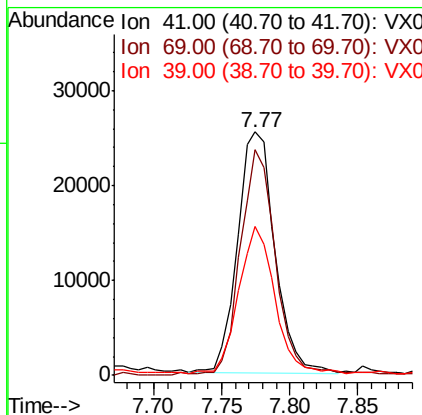
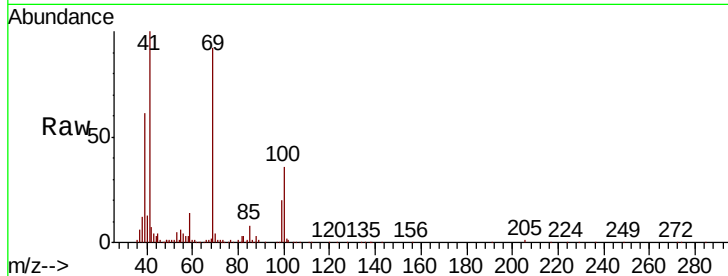
ClientSampleId :

COMP-3

Tot Ion:	41	Resp:	48798
Ion	Ratio	Lower	Upper
41	100		
69	89.6	72.4	108.6
39	59.5	45.8	68.8

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#50

Toluene-d8

Concen: 49.706 ug/l

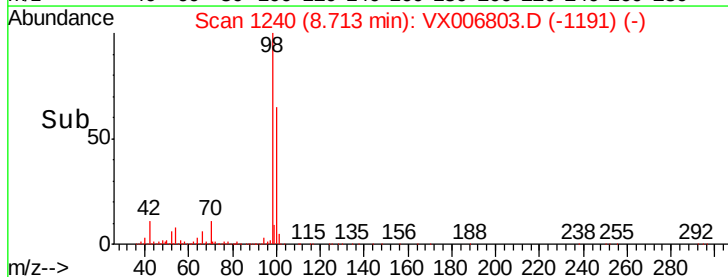
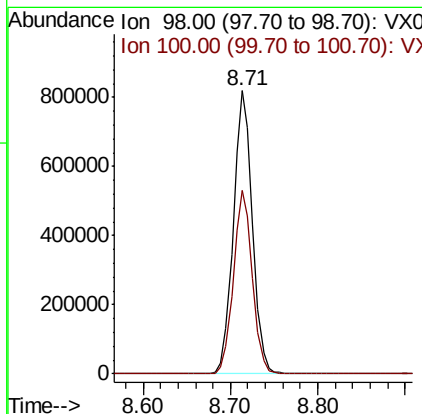
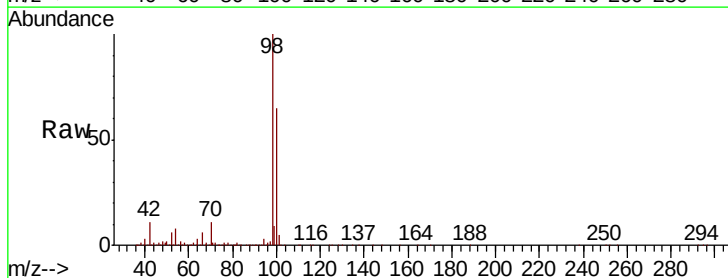
RT: 8.71 min Scan# 1240

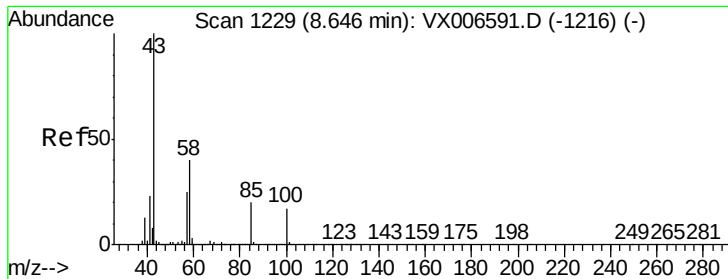
Delta R.T. -0.00 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Tgt Ion:	98	Resp:	1244133
Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.0	78.0





#51

4-Methyl-2-Pentanone

Concen: 1.010 ug/l

RT: 8.65 min Scan# 1230

Delta R.T. 0.01 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Instrument :

MSVOA_X

ClientSampleId :

COMP-3

Tot Ion: 43 Resp: 8845

Ion Ratio Lower Upper

43 100

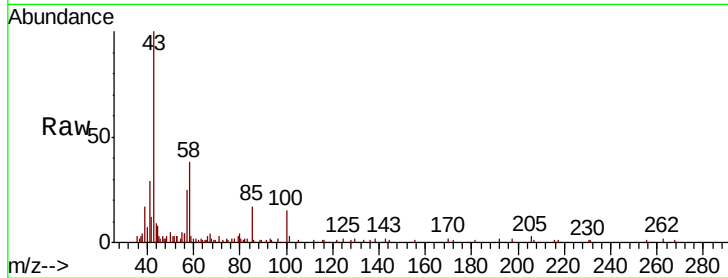
58 37.2 31.8 47.6

Manual Integrations

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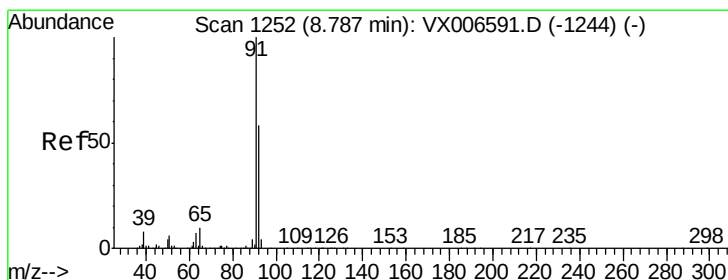
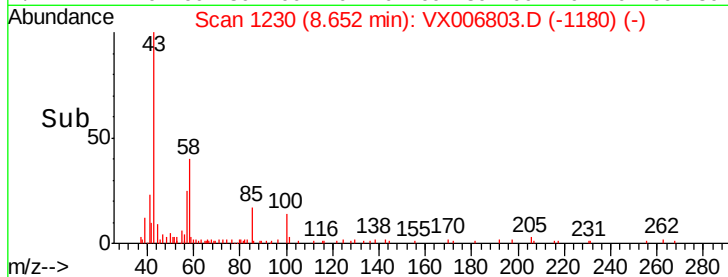
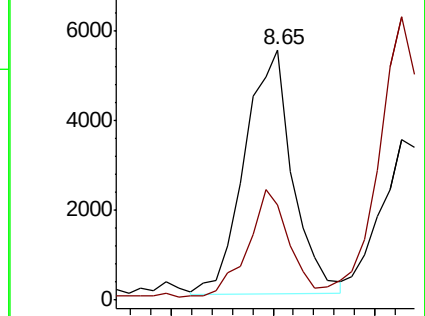
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12/26/2018 9:57:51 AM



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 1.670 ug/l

RT: 8.79 min Scan# 1252

Delta R.T. -0.00 min

Lab File: VX006803.D

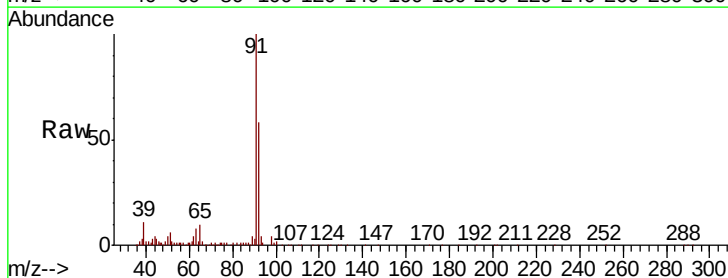
Acq: 24 Dec 2018 18:51

Tgt Ion: 92 Resp: 28516

Ion Ratio Lower Upper

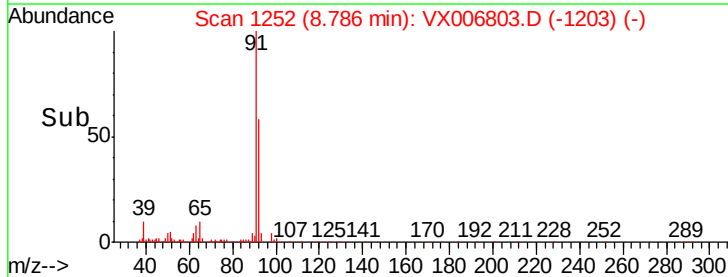
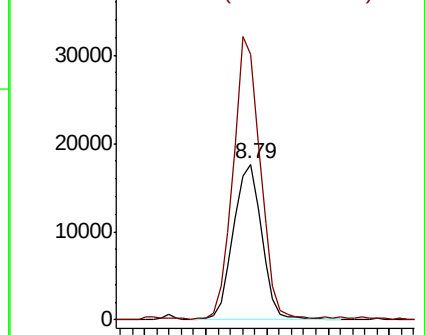
92 100

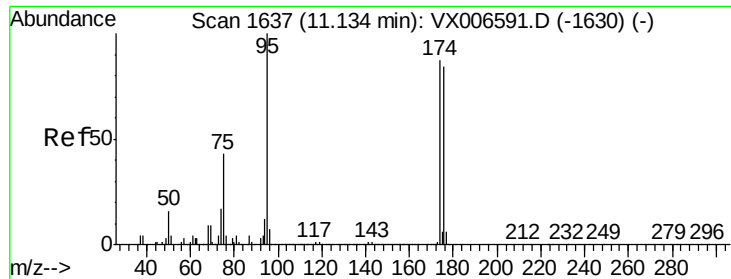
91 172.9 137.6 206.4



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





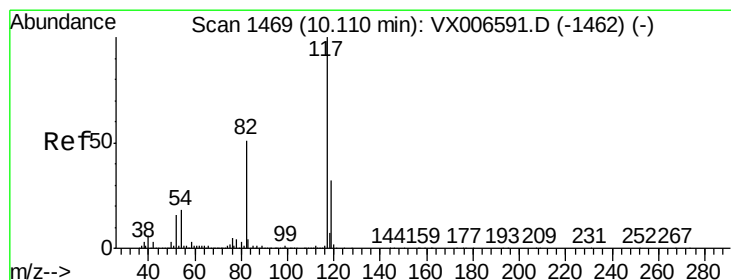
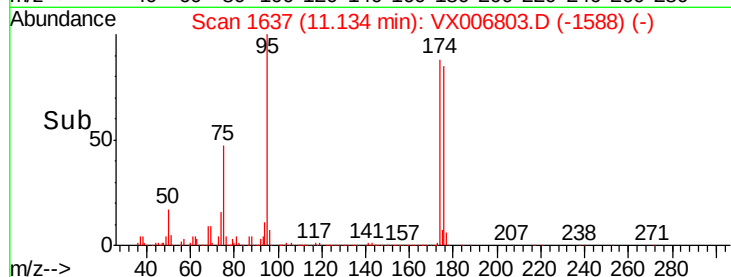
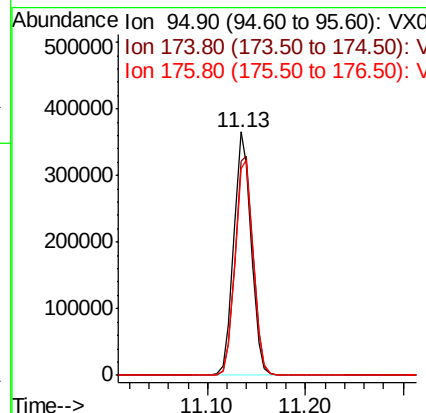
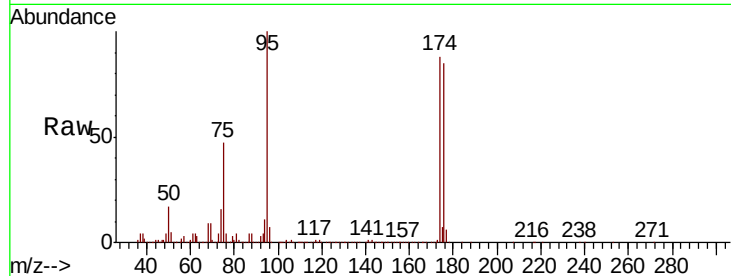
#62
4-Bromofluorobenzene
Concen: 49.280 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

Tot Ion	Ratio	Resp	Lower	Upper
95	100	451750		
174	93.4	0.0	182.2	
176	91.6	0.0	178.8	

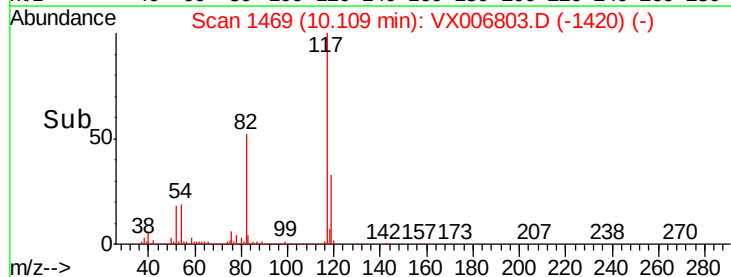
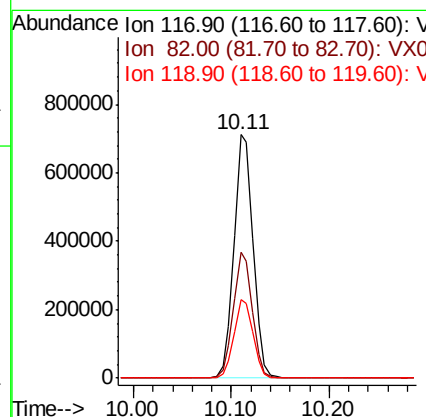
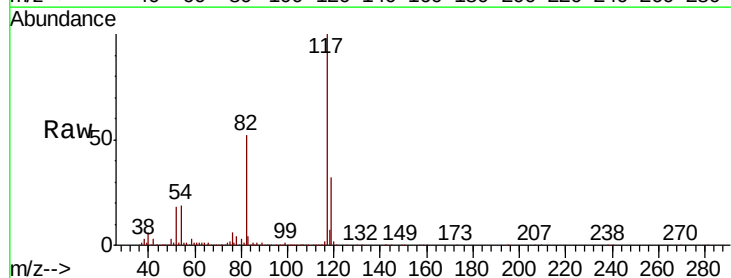
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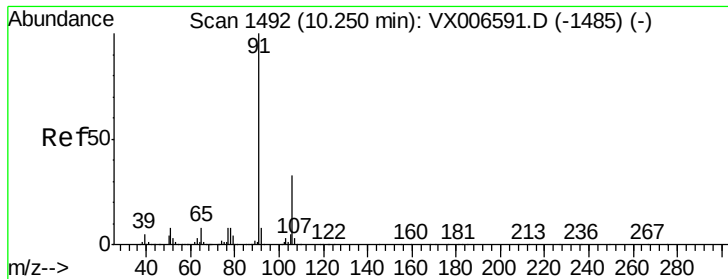
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	963902		
82	51.6	41.0	61.6	
119	32.5	25.4	38.0	





#67

Ethyl Benzene

Concen: 0.274 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Instrument :

MSVOA_X

ClientSampled :

COMP-3

Tot Ion: 91 Resp: 9142

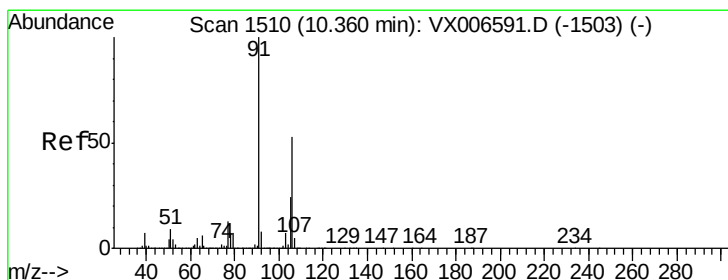
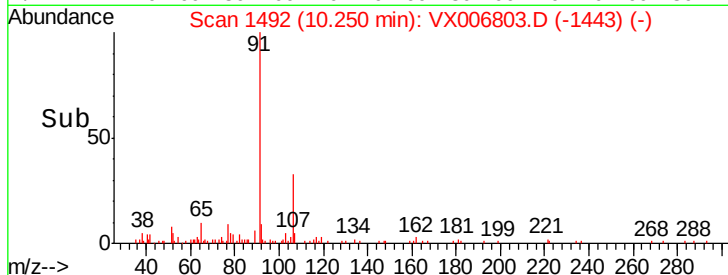
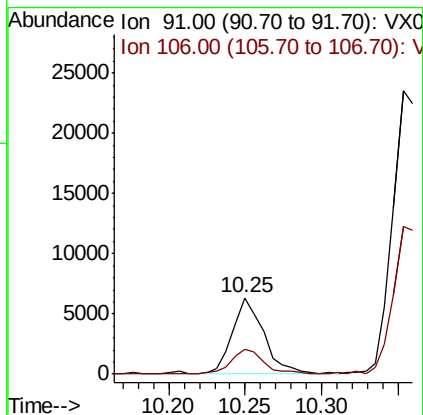
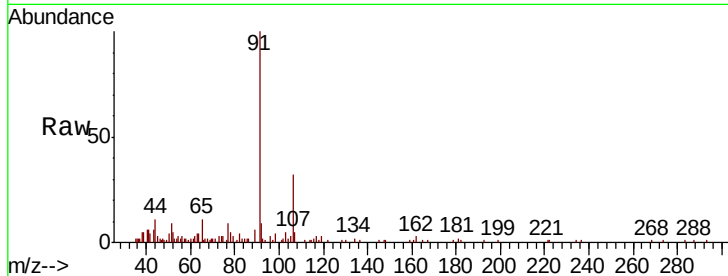
Ion Ratio Lower Upper

91 100

106 31.9 26.4 39.6

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#68

m/p-Xylenes

Concen: 1.281 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX006803.D

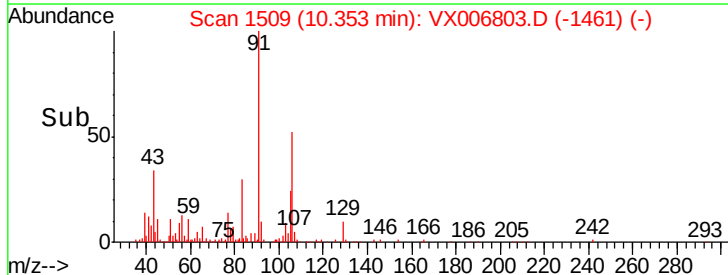
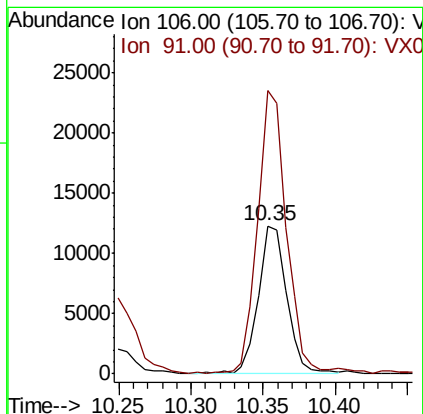
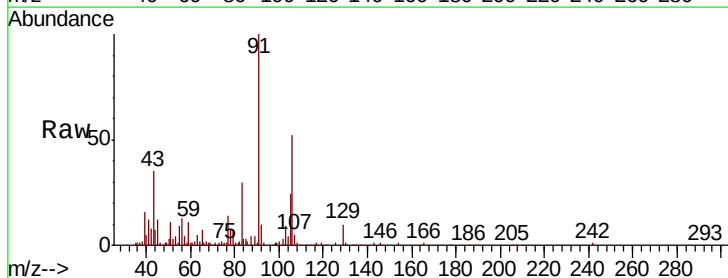
Acq: 24 Dec 2018 18:51

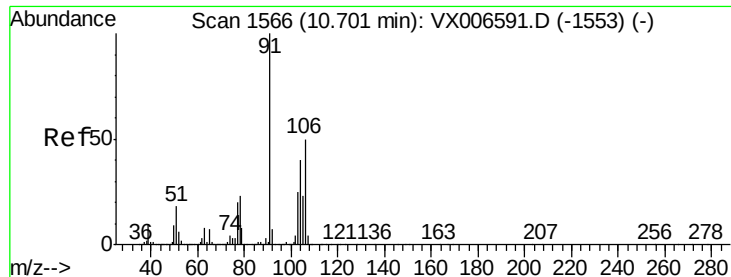
Tgt Ion: 106 Resp: 16846

Ion Ratio Lower Upper

106 100

91 195.4 155.8 233.6





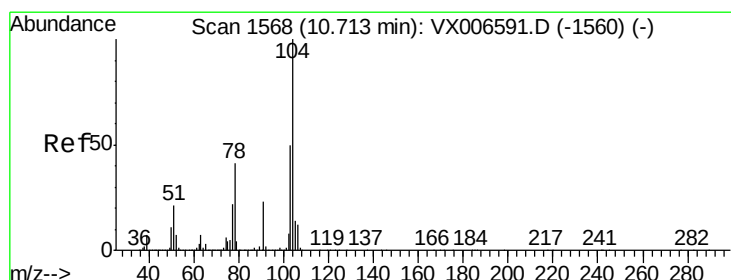
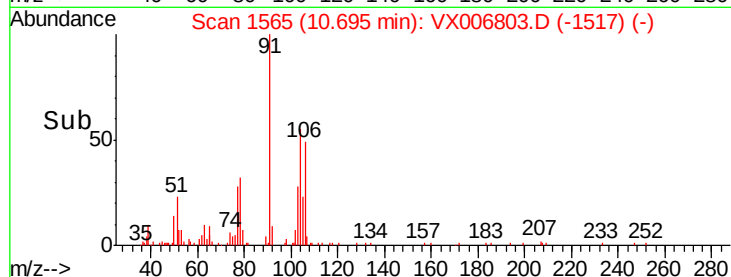
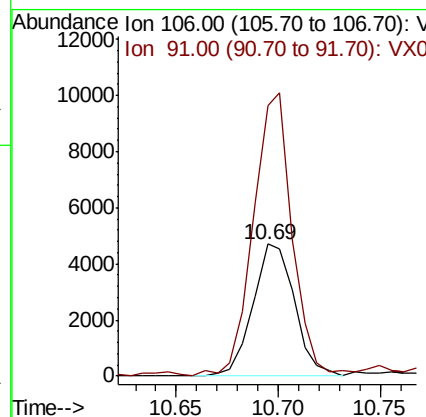
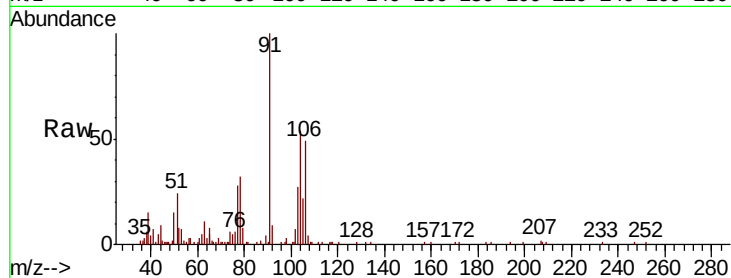
#69
o-Xylene
Concen: 0.513 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Instrument :
MSVOA_X
ClientSampled :
COMP-3

Tot Ion	Ratio	Lower	Upper
106	100		
91	201.6	101.3	303.7

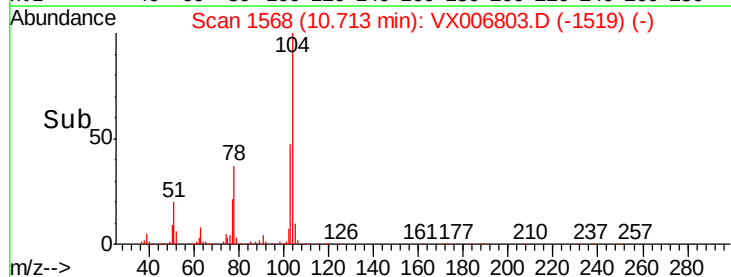
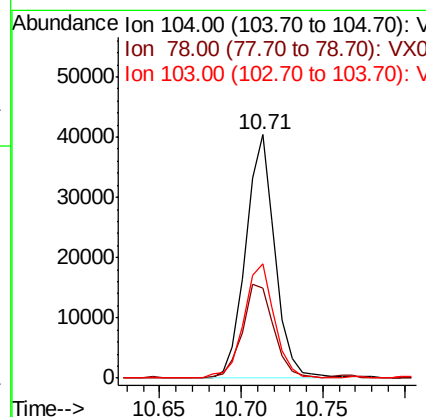
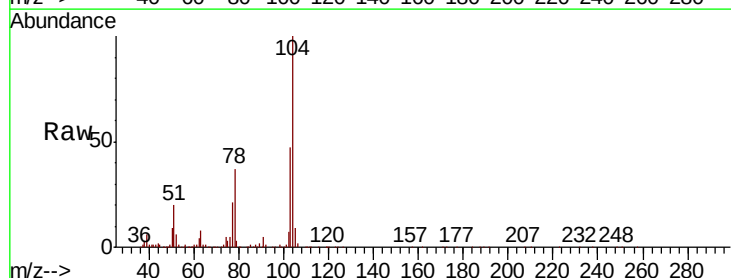
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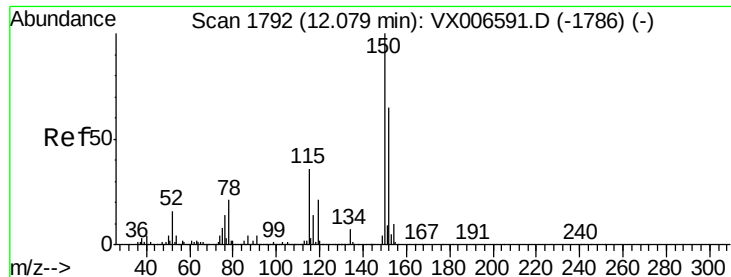
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#70
Styrene
Concen: 2.460 ug/l
RT: 10.71 min Scan# 1568
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Tgt Ion	Ratio	Lower	Upper
104	100		
78	41.6	37.7	56.5
103	48.5	43.8	65.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1792

Delta R.T. -0.00 min

Lab File: VX006803.D

Acq: 24 Dec 2018 18:51

Instrument :

MSVOA_X

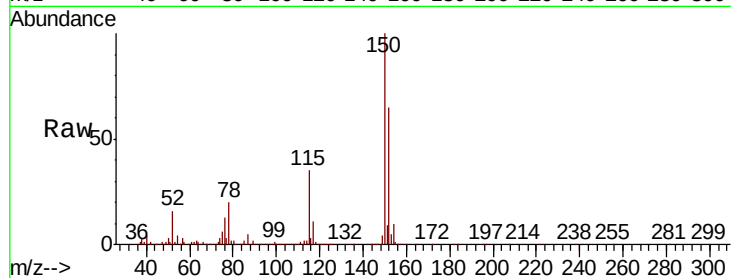
ClientSampleId :

COMP-3

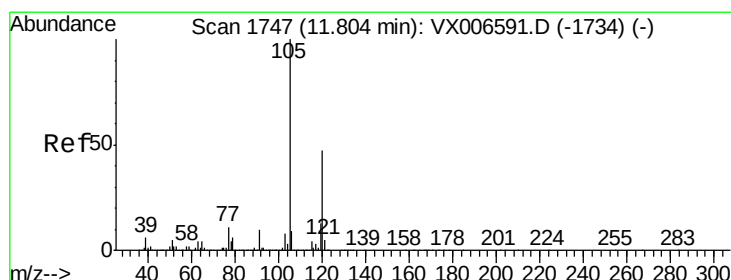
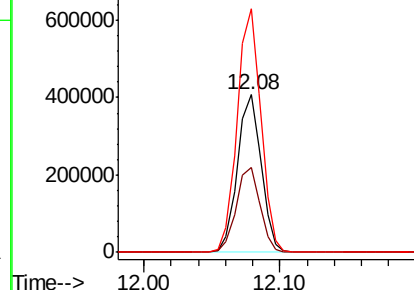
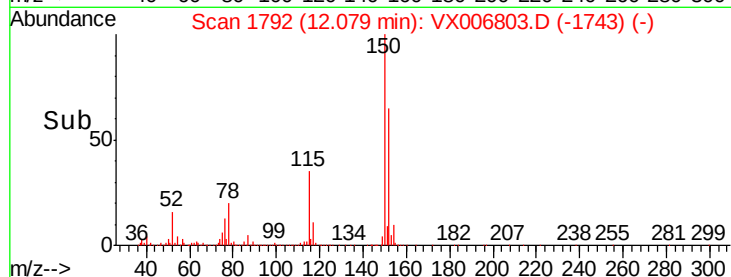
Tot Ion:	152	Resp:	494175
Ion Ratio	Lower	Upper	
152	100		
115	54.5	39.1	117.2
150	154.6	0.0	344.8

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#84

1,2,4-Trimethylbenzene

Concen: 0.558 ug/l m

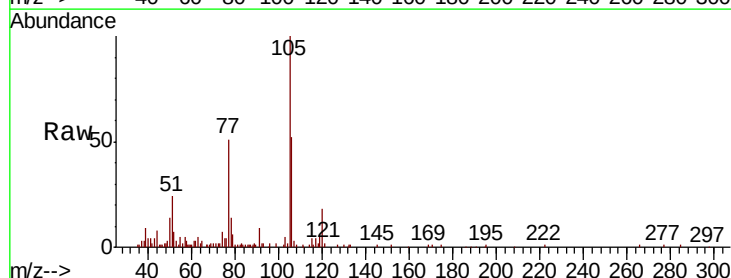
RT: 11.80 min Scan# 1747

Delta R.T. -0.00 min

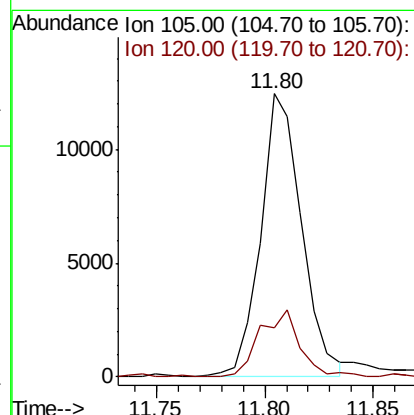
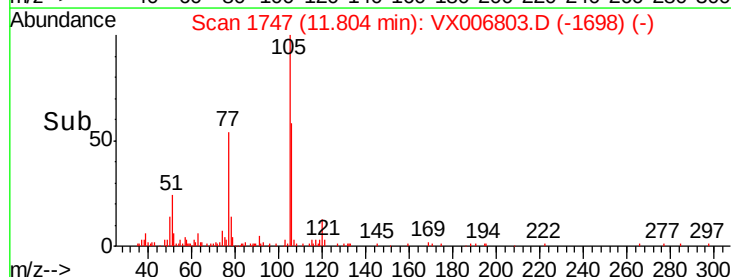
Lab File: VX006803.D

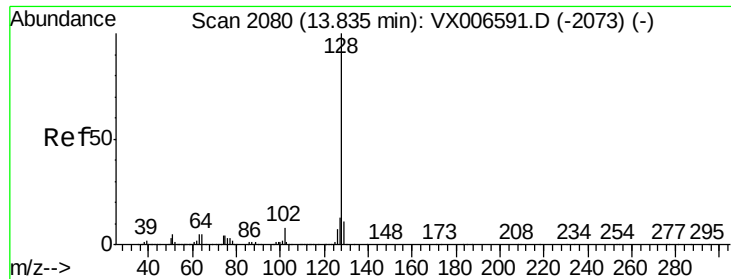
Acq: 24 Dec 2018 18:51

Tgt Ion:	105	Resp:	16345
Ion Ratio	Lower	Upper	
105	100		
120	4.1	23.2	69.6#



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#95
Naphthalene
Concen: 1.291 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX006803.D
Acq: 24 Dec 2018 18:51

Instrument :
MSVOA_X
ClientSampleId :
COMP-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.9	10.1	15.1
129	11.6	8.6	13.0

Manual Integrations
APPROVED

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12/26/2018 9:57:51 AM

