

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX062218\
 Data File : VX002846.D
 Acq On : 22 Jun 2018 22:12
 Operator : JC/MD
 Sample : J3631-01
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020

Manual Integrations
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 6/25/2018 6:56:08 PM

Quant Time: Jun 23 03:16:34 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:37:33 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	228879	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	321213	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	302079	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	176910	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.07	65	157817	45.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.74%	
35) Dibromofluoromethane	5.51	113	123482	48.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.34%	
50) Toluene-d8	8.72	98	458675	47.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.24%	
62) 4-Bromofluorobenzene	11.14	95	163512	44.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	88.66%	

Target Compounds

						Qvalue
16) Acetone	2.45	43	27769	18.10	ug/l	98
21) trans-1,2-Dichloroethene	3.17	96	5774	2.08	ug/l	91
27) cis-1,2-Dichloroethene	4.60	96	5999	2.13	ug/l	29
31) Cyclohexane	5.58	56	19788	4.82	ug/l	96
39) Methylcyclohexane	7.46	83	11346	2.84	ug/l	95
44) Trichloroethene	7.22	130	18714	6.34	ug/l	92
52) Toluene	8.79	92	3281	0.50	ug/l	95
67) Ethyl Benzene	10.26	91	136300	10.89	ug/l	99
68) m/p-Xylenes	10.37	106	13728	2.84	ug/l	97
69) o-Xylene	10.70	106	3288	0.69	ug/l	91
73) Isopropylbenzene	11.02	105	14350	1.21	ug/l	99
78) n-propylbenzene	11.37	91	11450	0.84	ug/l	100
83) tert-Butylbenzene	11.77	119	4185	0.43	ug/l	91
84) 1,2,4-Trimethylbenzene	11.81	105	154461	15.14	ug/l	98
85) sec-Butylbenzene	11.95	105	5485m	0.46	ug/l	
86) p-Isopropyltoluene	12.07	119	8130	0.75	ug/l	91
95) Naphthalene	13.84	128	42513	3.58	ug/l #	90

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

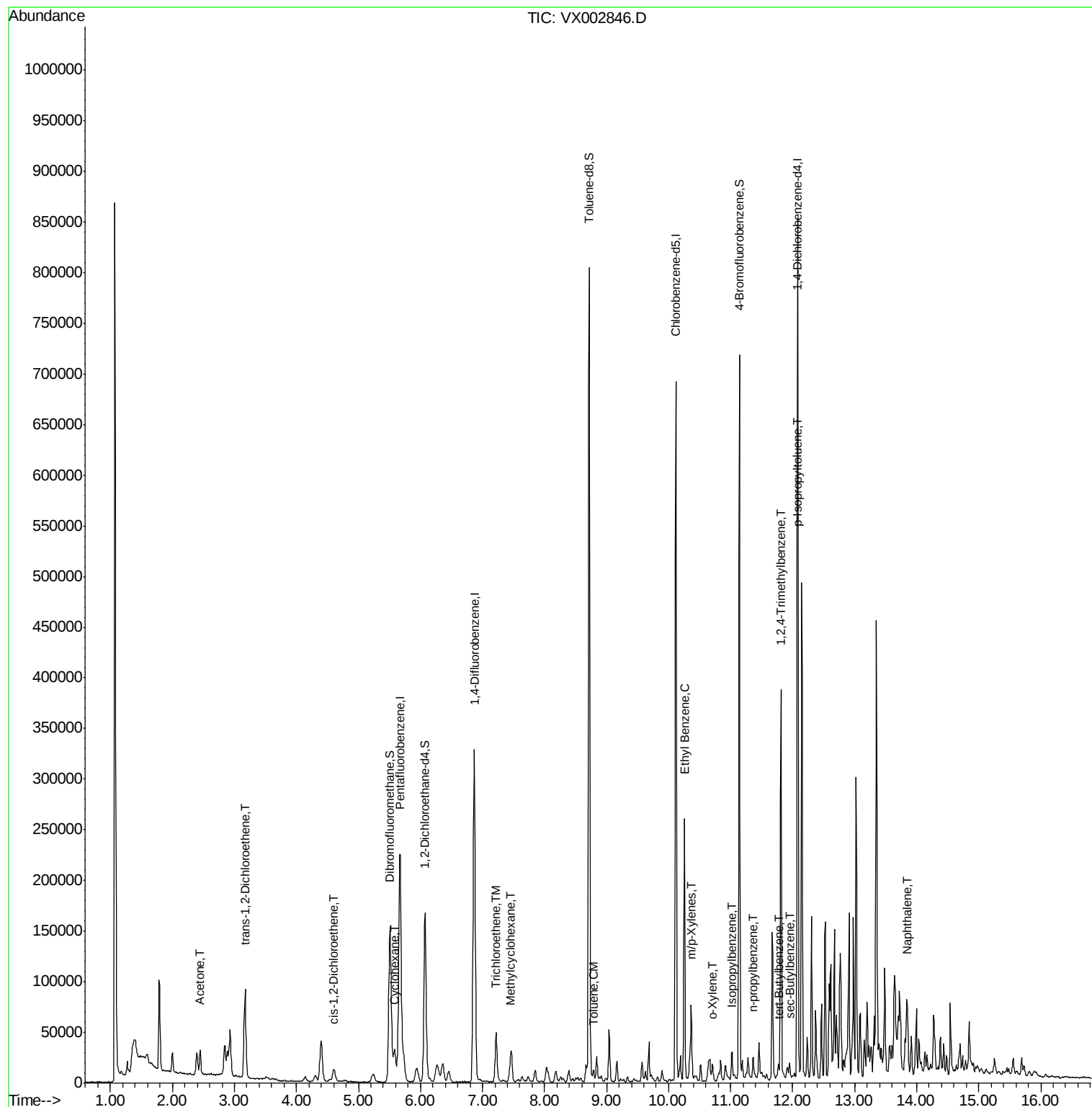
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX062218\
Data File : VX002846.D
Acq On : 22 Jun 2018 22:12
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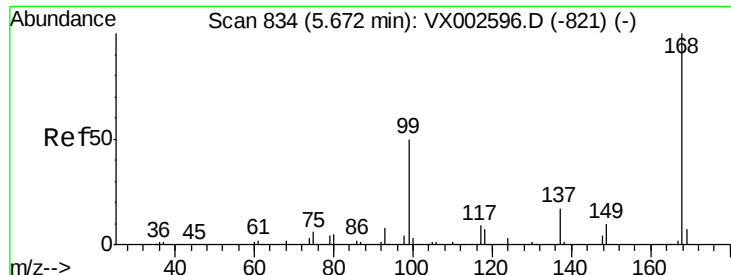
Instrument :
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ClientSampleId :
S83-0020

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Quant Time: Jun 23 03:16:34 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X061518W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:37:33 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 5.67 min Scan# 834

Delta R.T. -0.00 min

Lab File: VX002846.D

Acq: 22 Jun 2018 22:12

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion:168 Resp: 228879

Ion Ratio Lower Upper

168 100

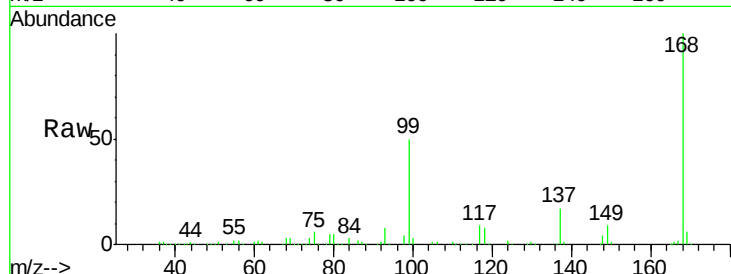
99 49.6 39.3 58.9

Manual Integrations

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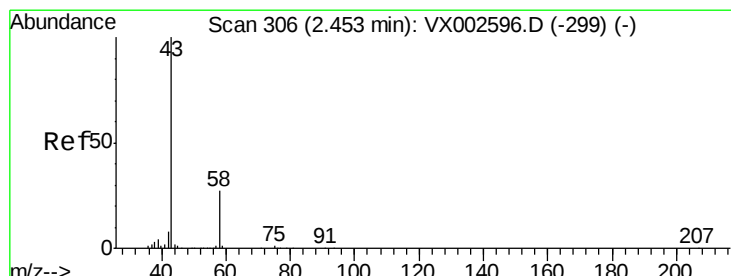
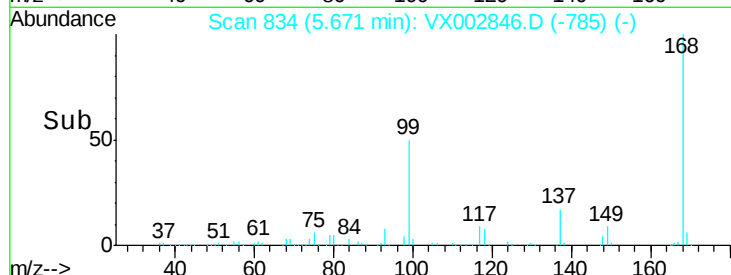
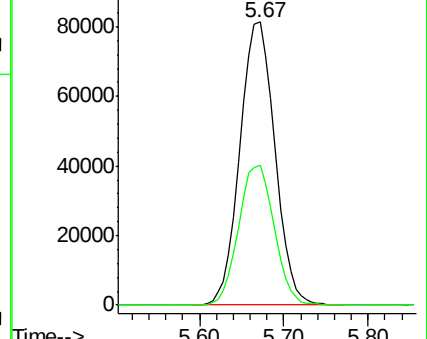
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#16

Acetone

Concen: 18.10 ug/l

RT: 2.45 min Scan# 306

Delta R.T. -0.00 min

Lab File: VX002846.D

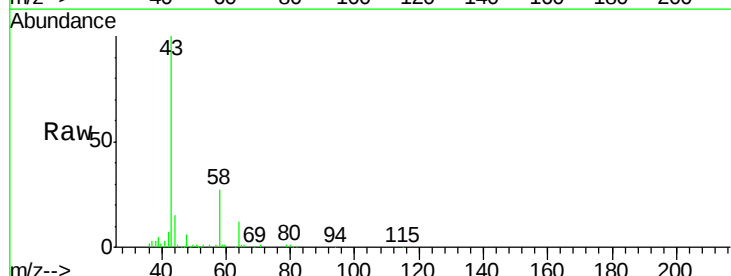
Acq: 22 Jun 2018 22:12

Tgt Ion: 43 Resp: 27769

Ion Ratio Lower Upper

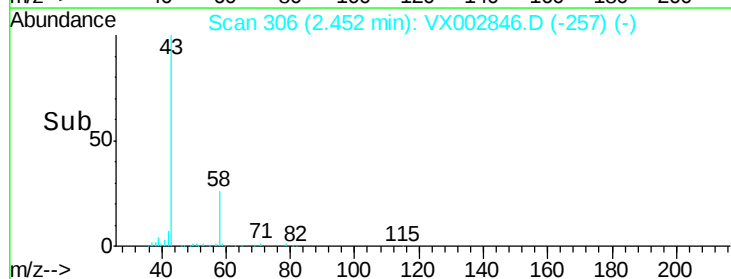
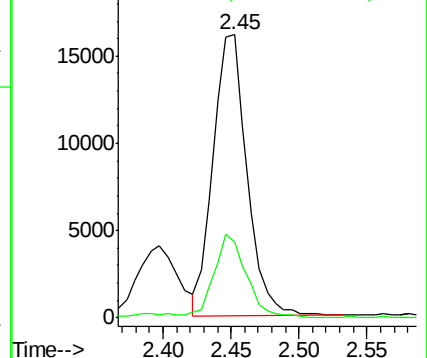
43 100

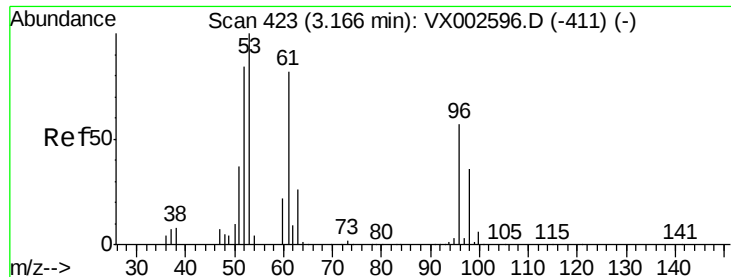
58 26.5 22.1 33.1



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0





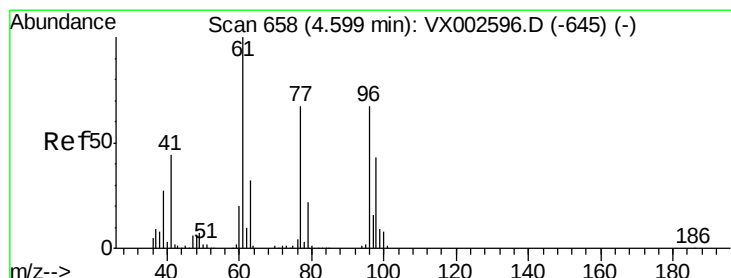
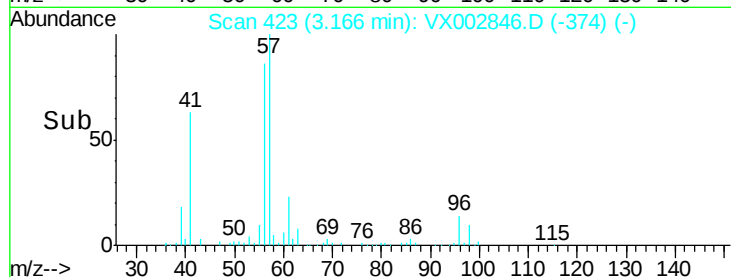
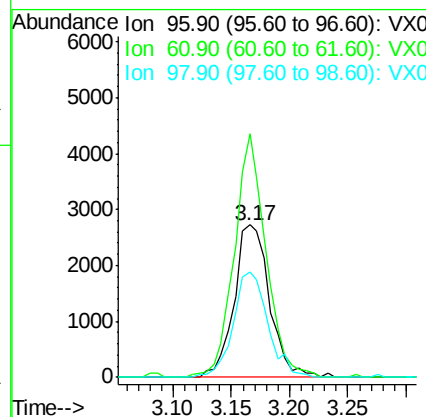
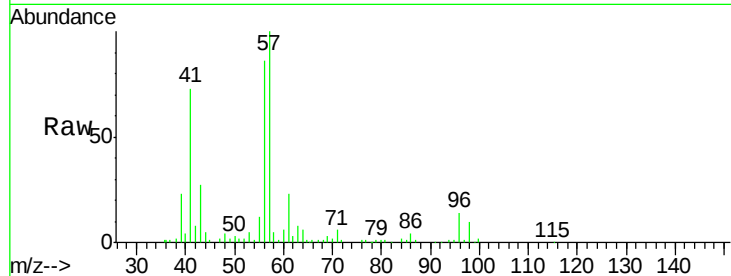
#21
trans-1,2-Dichloroethene
Concen: 2.08 ug/l
RT: 3.17 min Scan# 423
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampled :
S83-0020

Tot Ion	Ratio	Lower	Upper
96	100		
61	160.0	117.0	175.4
98	68.8	52.4	78.6

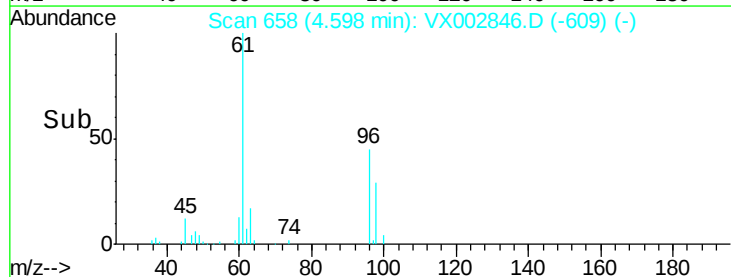
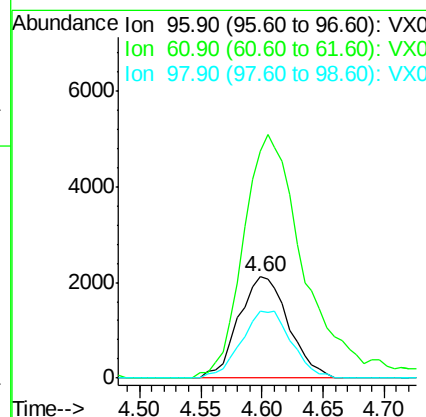
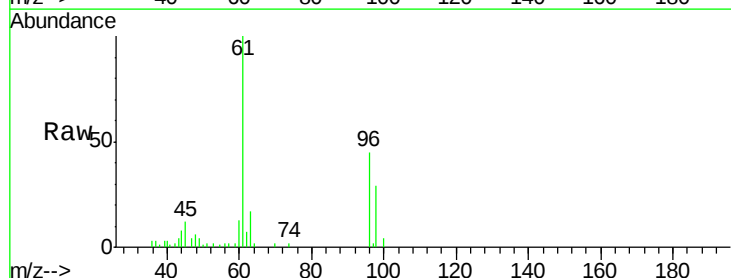
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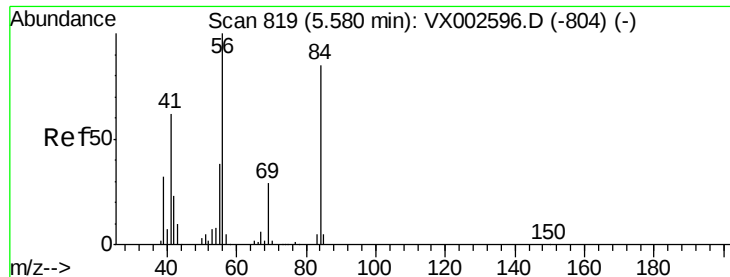
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#27
cis-1,2-Dichloroethene
Concen: 2.13 ug/l
RT: 4.60 min Scan# 658
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion	Ratio	Lower	Upper
96	100		
61	297.0	0.0	330.2
98	66.2	0.0	130.2





#31

Cyclohexane

Concen: 4.82 ug/l

RT: 5.58 min Scan# 819

Delta R.T. -0.00 min

Lab File: VX002846.D

Acq: 22 Jun 2018 22:12

Instrument :

MSVOA_X

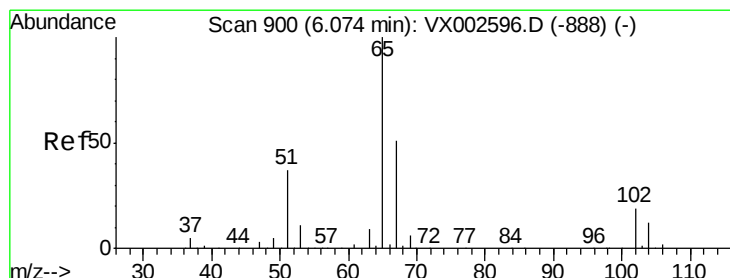
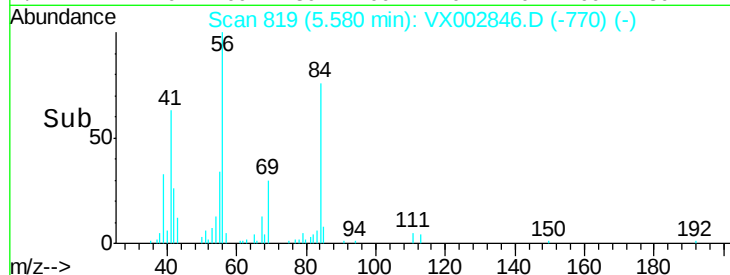
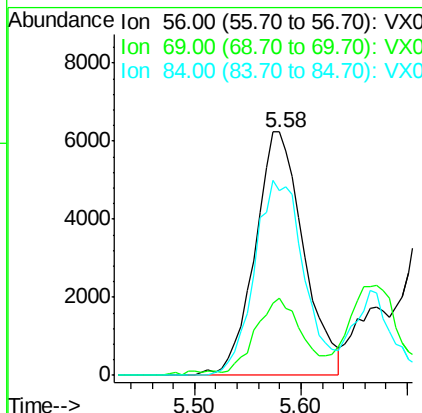
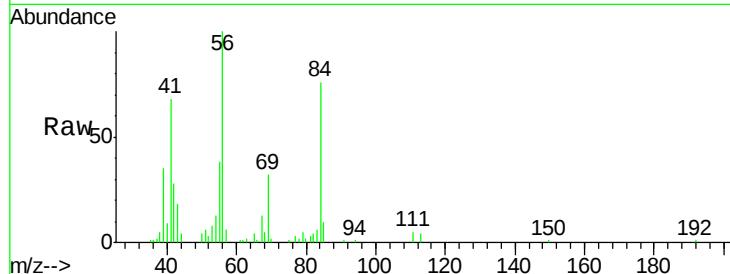
ClientSampled :

S83-0020

Tot Ion:	56	Resp:	19788
Ion	Ratio	Lower	Upper
56	100		
69	29.9	23.7	35.5
84	75.7	64.1	96.1

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#33

1,2-Dichloroethane-d4

Concen: 45.37 ug/l

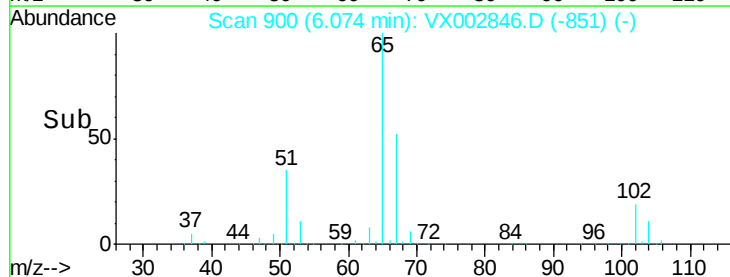
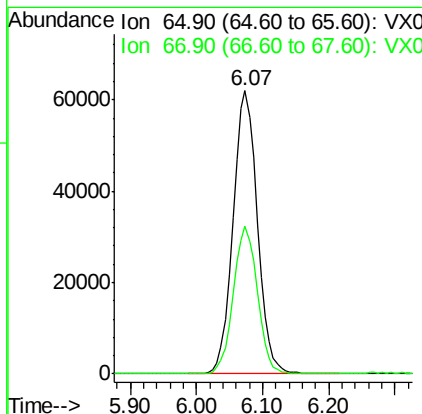
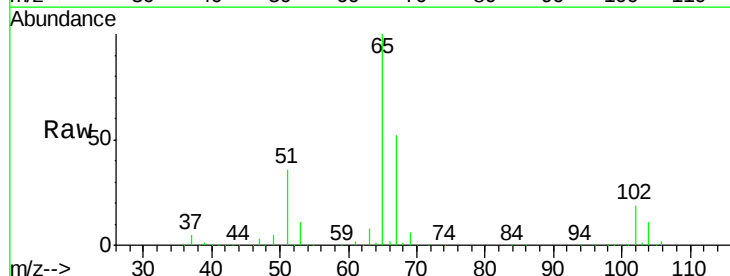
RT: 6.07 min Scan# 900

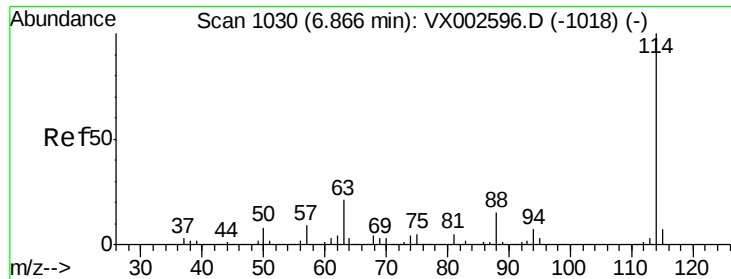
Delta R.T. 0.00 min

Lab File: VX002846.D

Acq: 22 Jun 2018 22:12

Tgt Ion:	65	Resp:	157817
Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	102.6





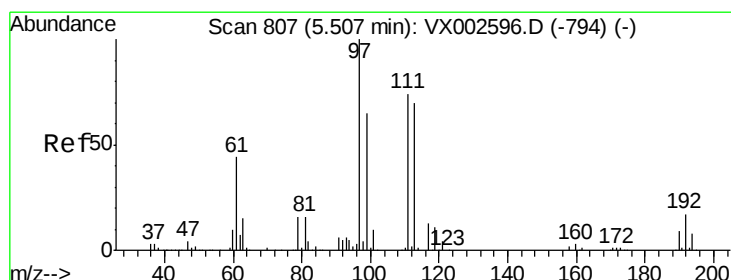
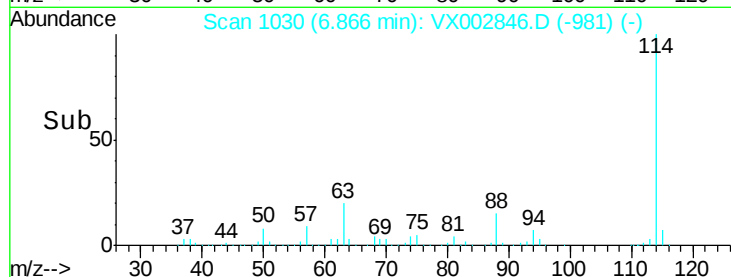
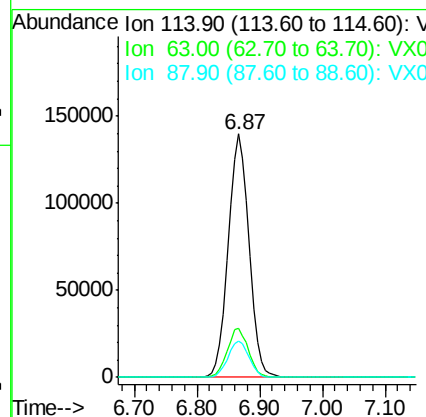
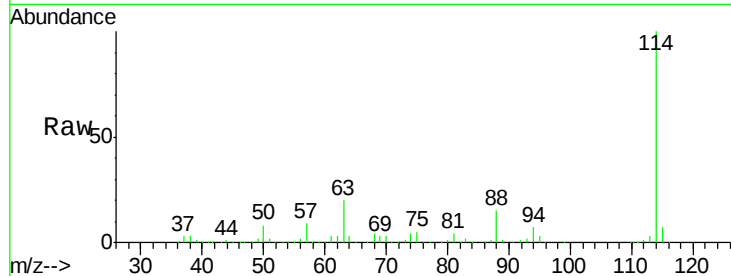
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 6.87 min Scan# 1030
 Delta R.T. -0.00 min
 Lab File: VX002846.D
 Acq: 22 Jun 2018 22:12

Instrument :
 MSVOA_X
 ClientSampleId :
 S83-0020

Tot Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	20.4	0.0	41.4
88	14.8	0.0	30.0

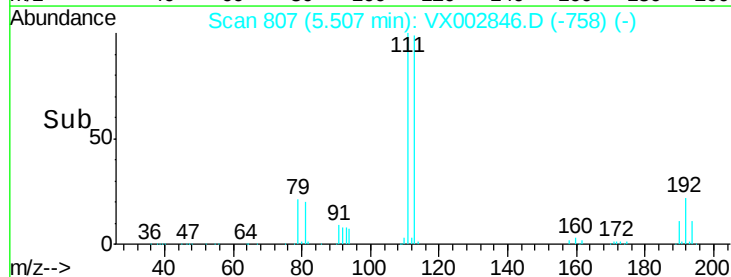
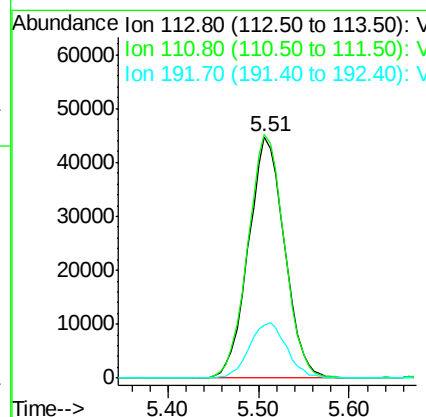
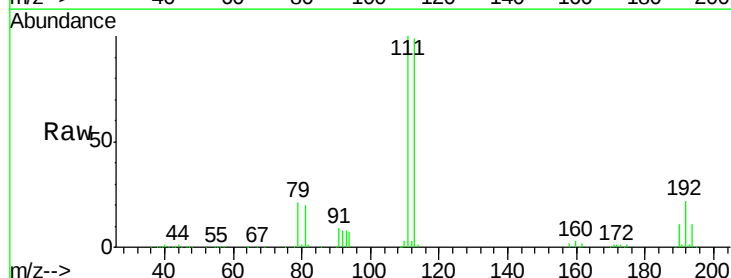
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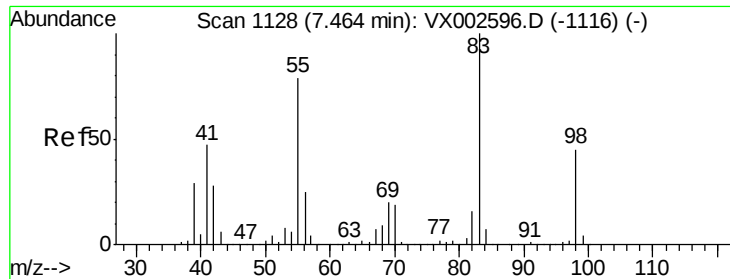
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#35
 Dibromofluoromethane
 Concen: 48.17 ug/l
 RT: 5.51 min Scan# 807
 Delta R.T. -0.00 min
 Lab File: VX002846.D
 Acq: 22 Jun 2018 22:12

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.0	81.4	122.0
192	23.8	19.1	28.7





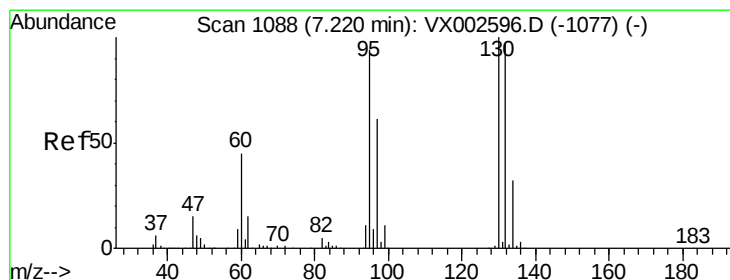
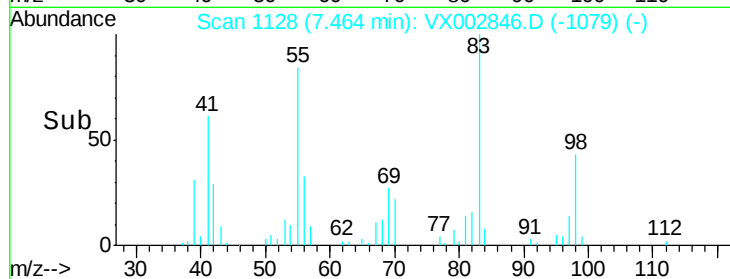
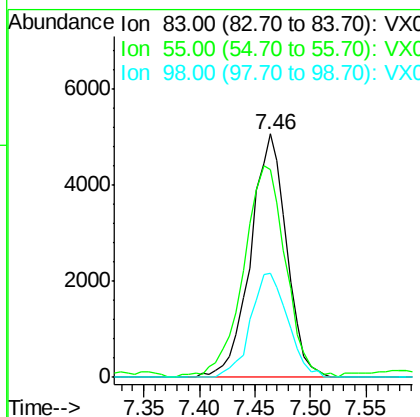
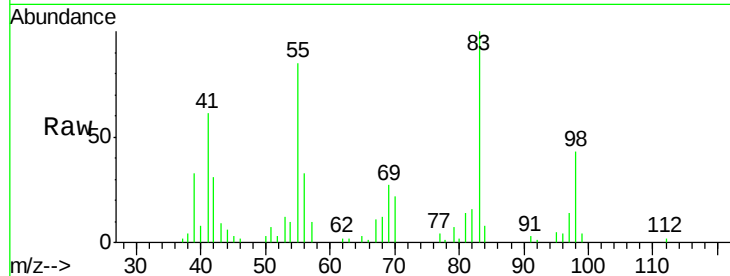
#39
Methvlcvclohexane
Concen: 2.84 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
S83-0020

Tot Ion	83	Resp	11346
Ion Ratio	100	Lower	Upper
83	100		
55	85.2	65.4	98.0
98	43.0	37.4	56.0

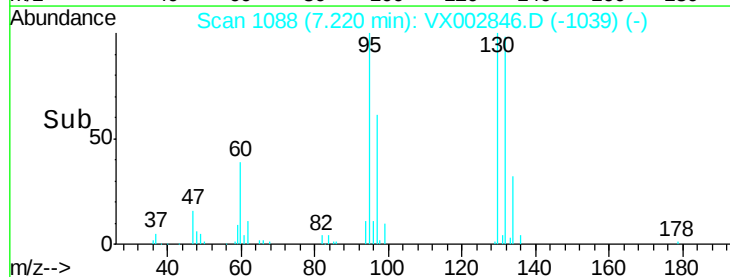
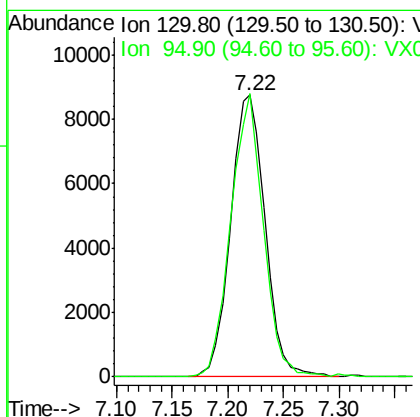
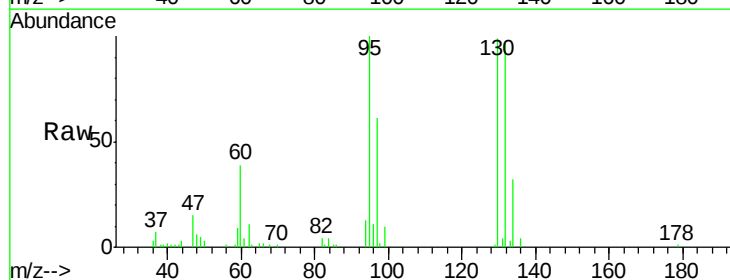
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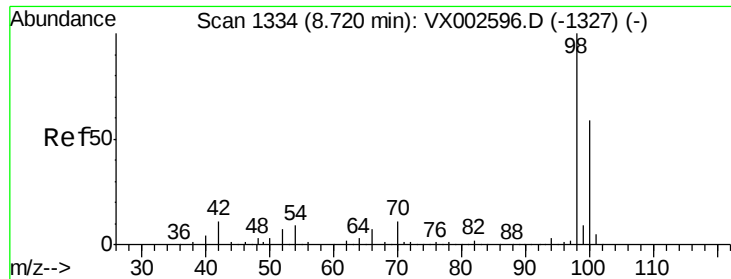
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#44
Trichloroethene
Concen: 6.34 ug/l
RT: 7.22 min Scan# 1088
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion	130	Resp	18714
Ion Ratio	100	Lower	Upper
130	100		
95	100.5	0.0	185.4





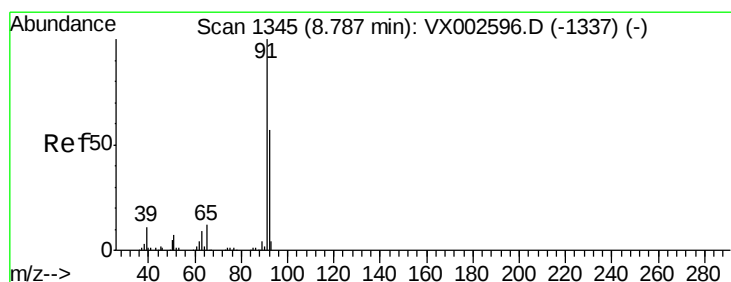
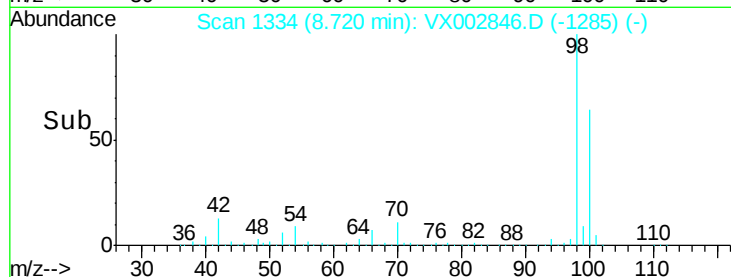
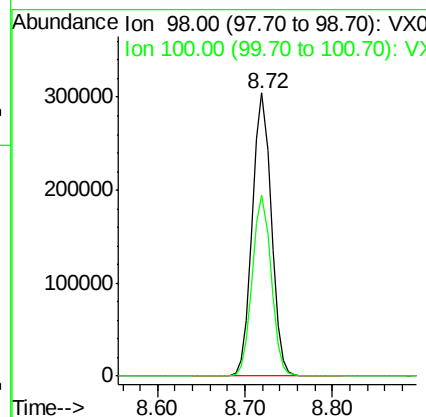
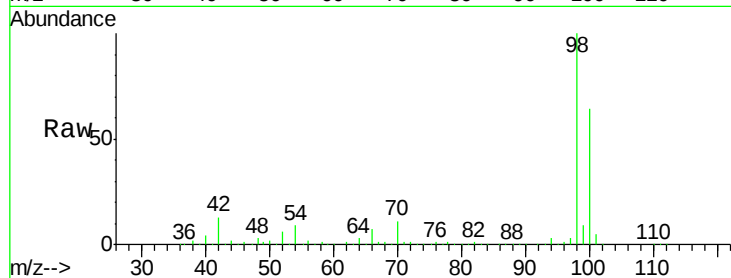
#50
Toluene-d8
Concen: 47.12 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
S83-0020

Tot Ion	98	Resp	458675
Ion Ratio	100	Lower	Upper
98	100	50.9	76.3
100	63.5		

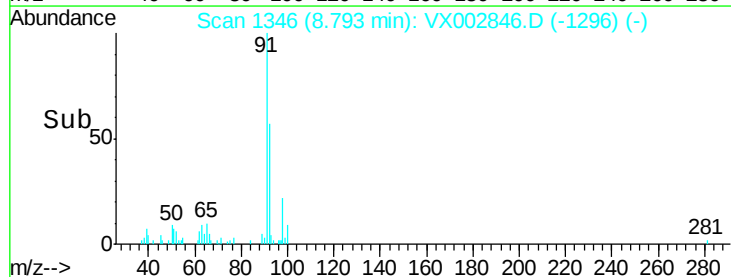
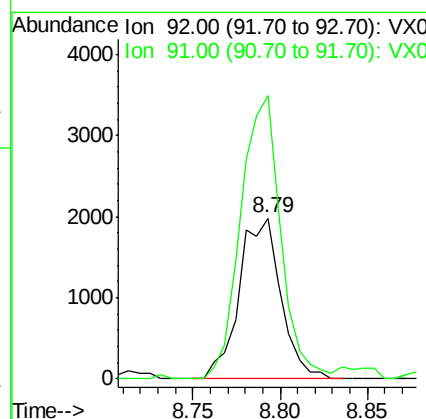
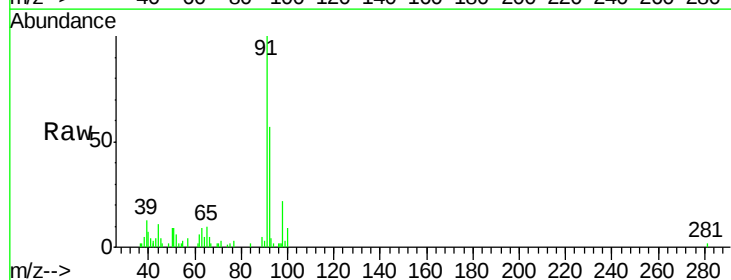
Manual Integrations
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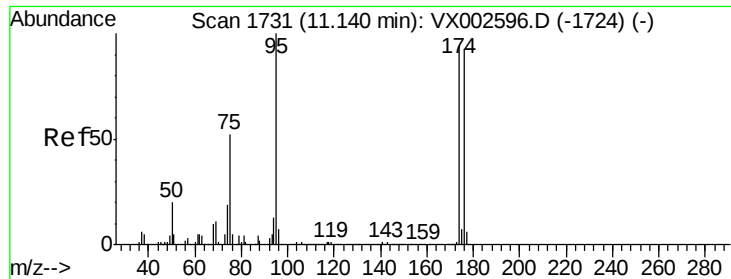
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#52
Toluene
Concen: 0.50 ug/l
RT: 8.79 min Scan# 1346
Delta R.T. 0.01 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion	92	Resp	3281
Ion Ratio	100	Lower	Upper
92	100	140.4	210.6
91	168.9		





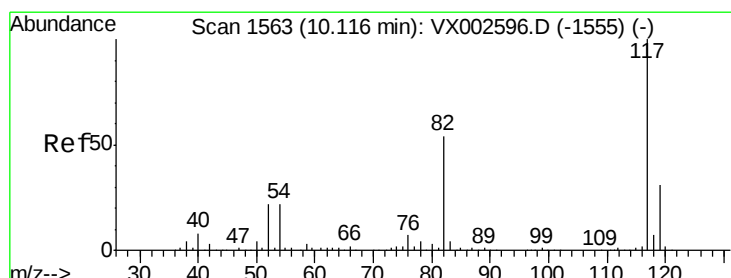
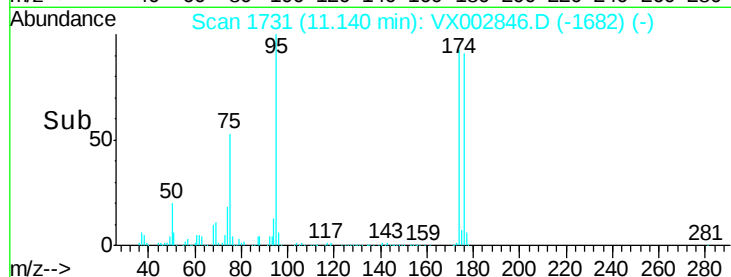
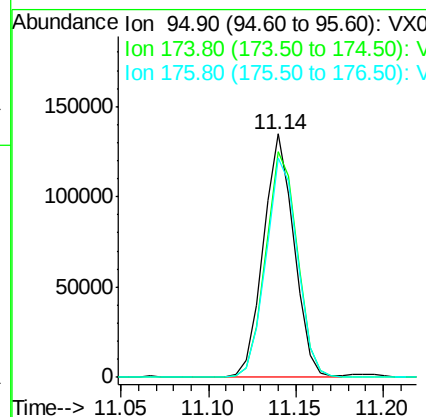
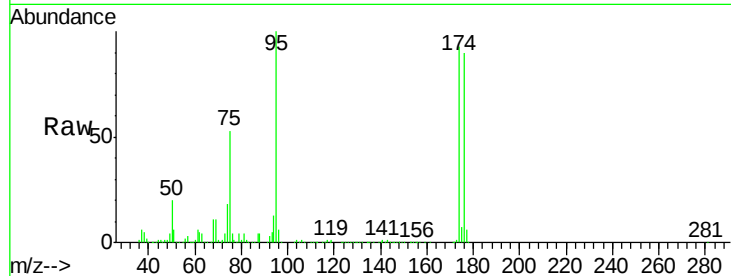
#62
4-Bromofluorobenzene
Concen: 44.33 ug/l
RT: 11.14 min Scan# 1731
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
S83-0020

Tot Ion	Ratio	Resp	Lower	Upper
95	100	163512		
174	96.2	0.0	187.4	
176	93.4	0.0	181.0	

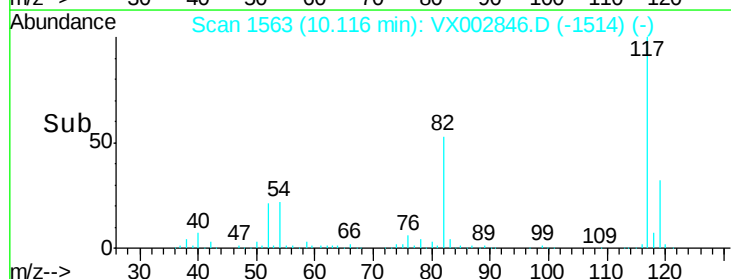
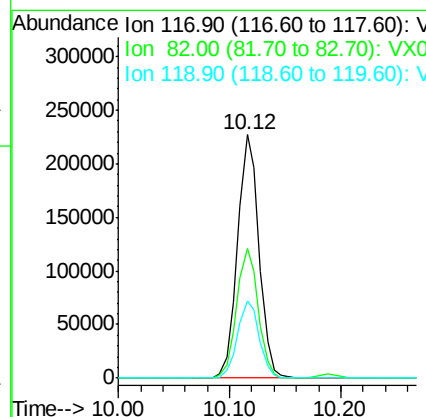
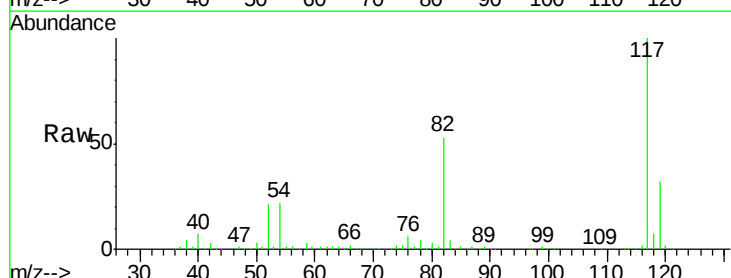
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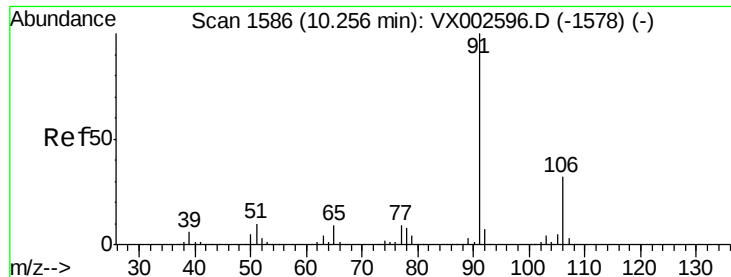
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#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	302079		
82	53.4	45.0	67.4	
119	32.0	25.8	38.6	





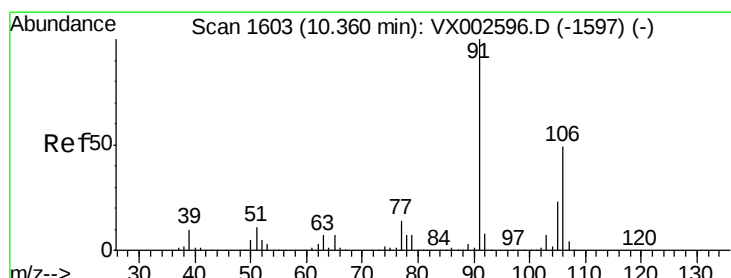
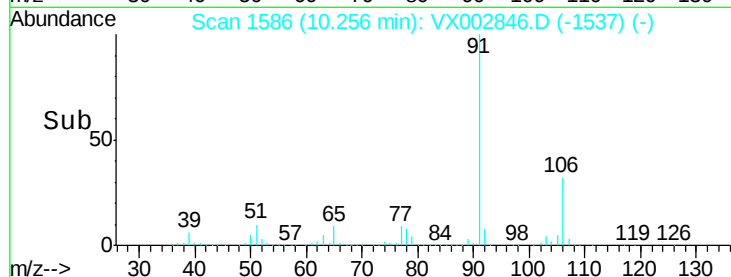
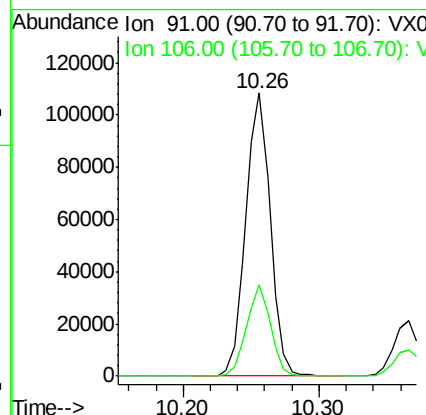
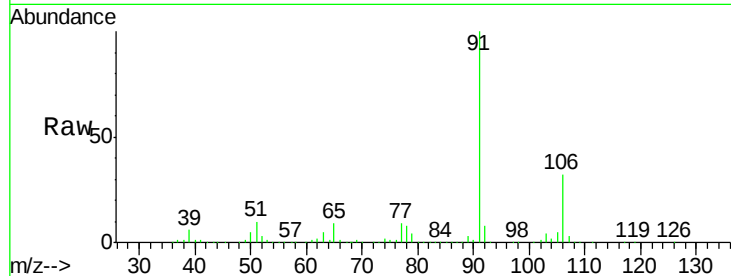
#67
Ethyl Benzene
Concen: 10.89 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampled :
S83-0020

Tot Ion: 91 Resp: 136300
Ion Ratio Lower Upper
91 100
106 32.4 25.5 38.3

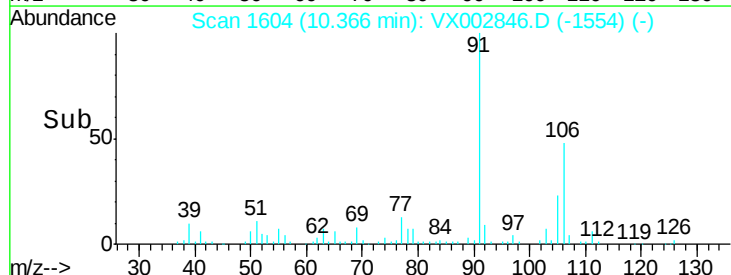
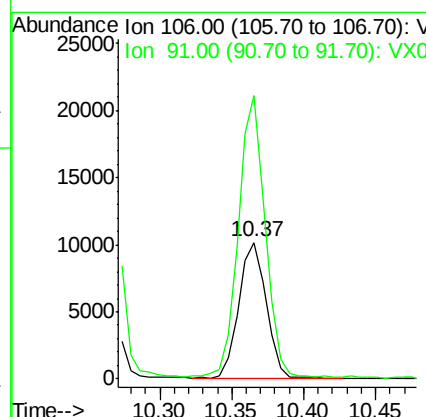
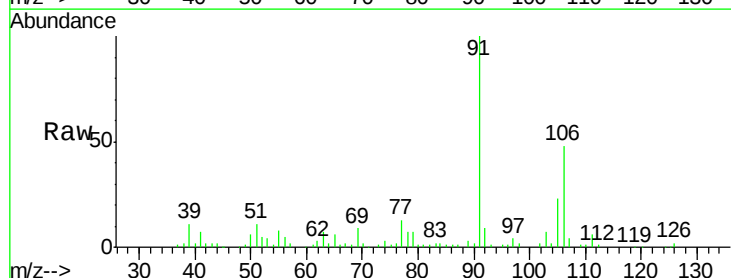
Manual Integrations
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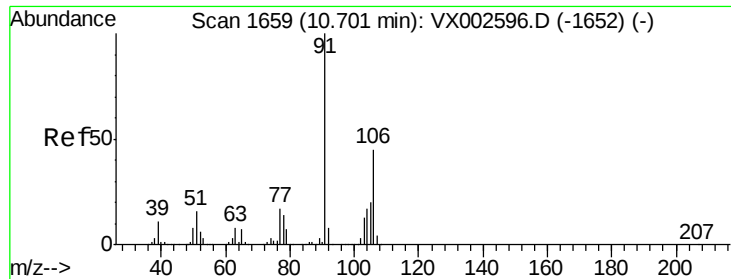
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#68
m/p-Xylenes
Concen: 2.84 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion: 106 Resp: 13728
Ion Ratio Lower Upper
106 100
91 199.7 163.4 245.2





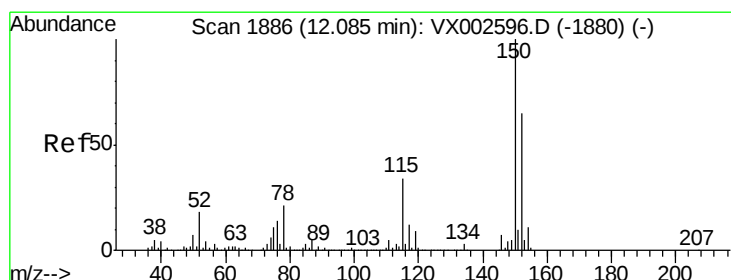
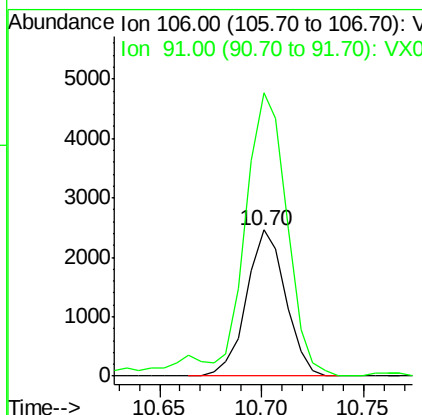
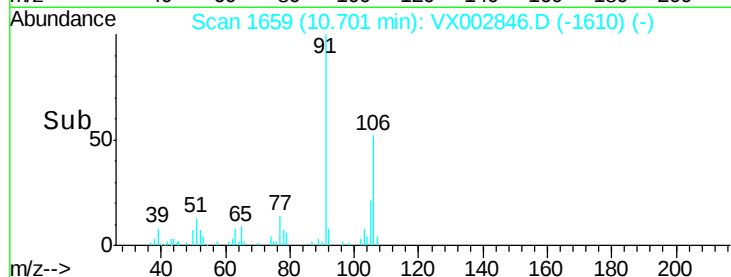
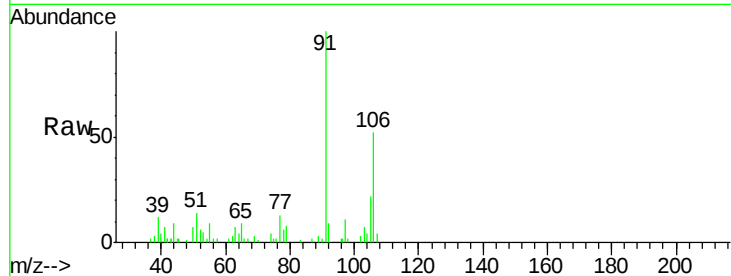
#69
o-Xylene
Concen: 0.69 ug/l
RT: 10.70 min Scan# 1659
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampled :
S83-0020

Tot Ion	Ratio	Lower	Upper
106	100		
91	202.0	108.2	324.6

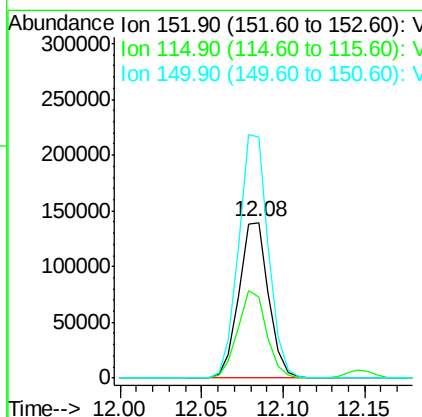
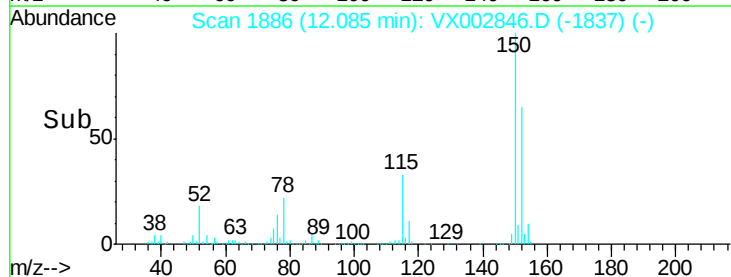
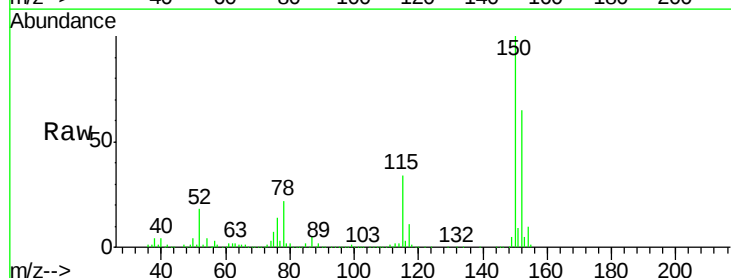
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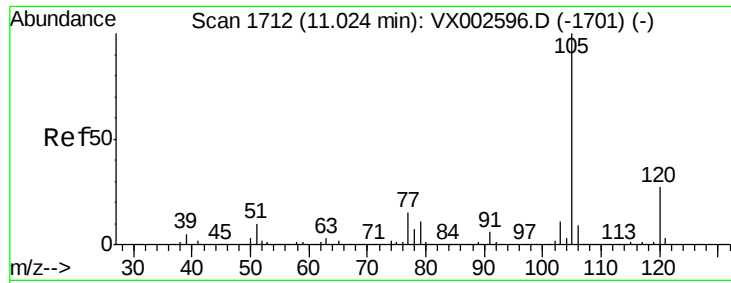
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#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 12.08 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.0	40.1	120.2
150	156.4	0.0	347.2





#73

Isopropylbenzene

Concen: 1.21 ug/l

RT: 11.02 min Scan# 1712

Delta R.T. -0.00 min

Lab File: VX002846.D

Acq: 22 Jun 2018 22:12

Instrument :

MSVOA_X

ClientSampled :

S83-0020

Tot Ion: 105 Resp: 14350

Ion Ratio Lower Upper

105 100

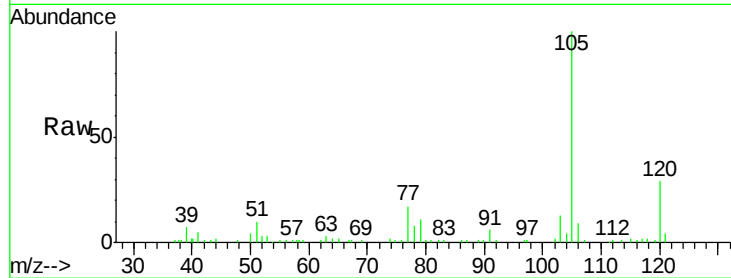
120 26.6 13.5 40.4

Manual Integrations

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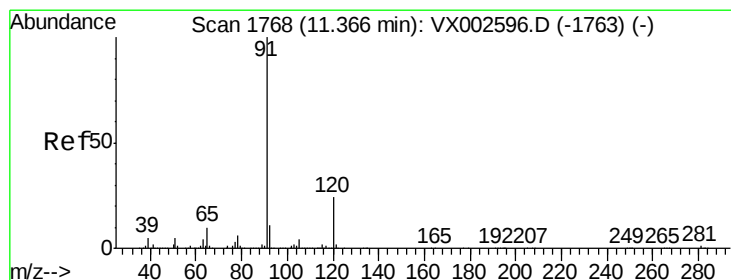
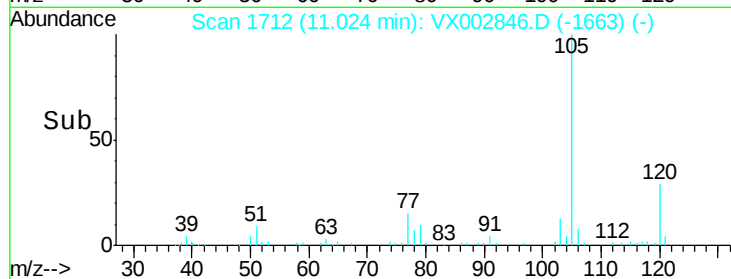
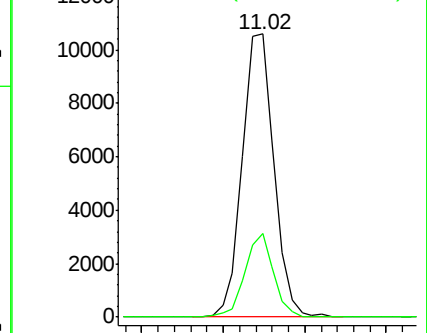
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 0.84 ug/l

RT: 11.37 min Scan# 1768

Delta R.T. -0.00 min

Lab File: VX002846.D

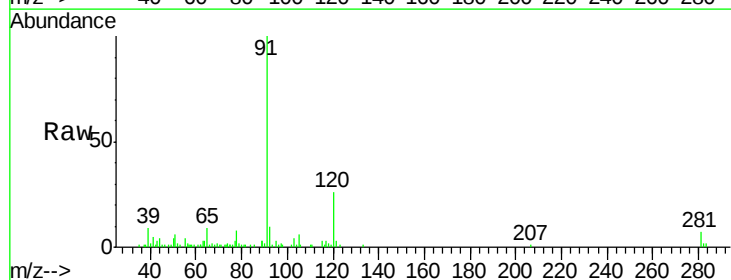
Acq: 22 Jun 2018 22:12

Tgt Ion: 91 Resp: 11450

Ion Ratio Lower Upper

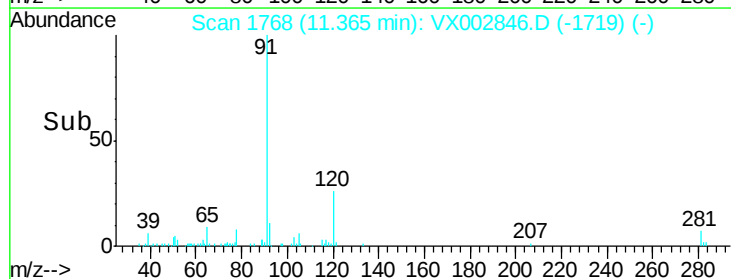
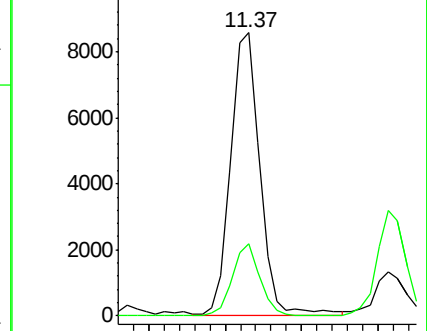
91 100

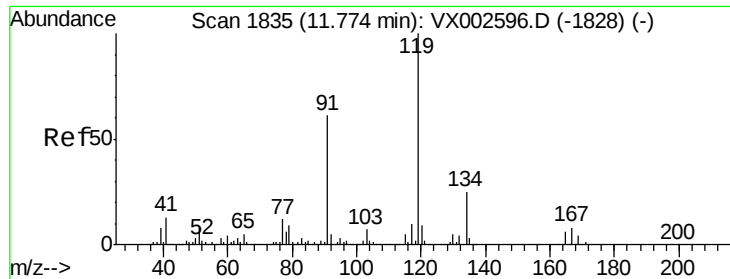
120 23.7 11.8 35.4



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





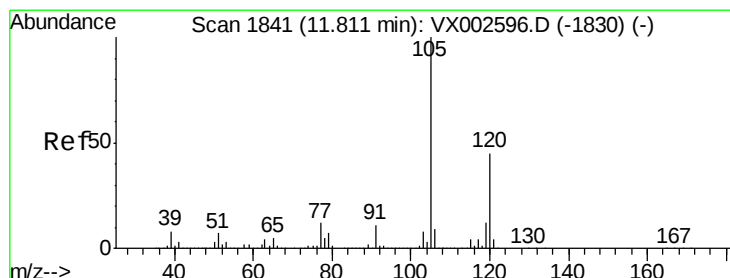
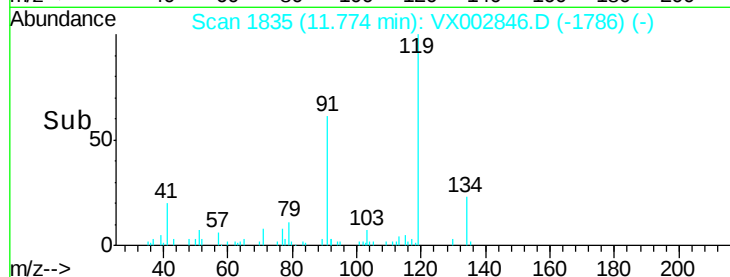
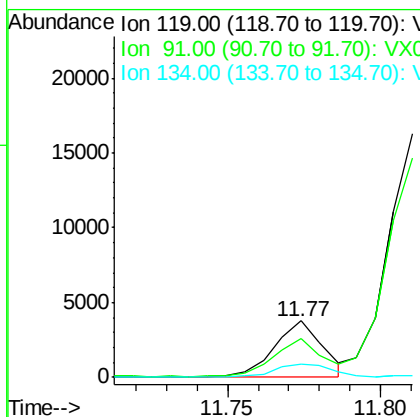
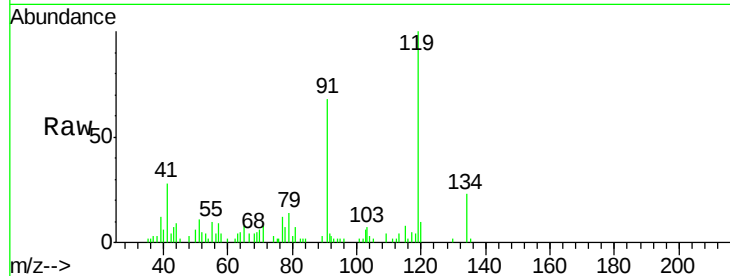
#83
tert-Butylbenzene
Concen: 0.43 ug/l
RT: 11.77 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
S83-0020

Tot Ion	Ratio	Lower	Upper
119	100		
91	67.7	30.3	90.9
134	27.8	11.7	35.1

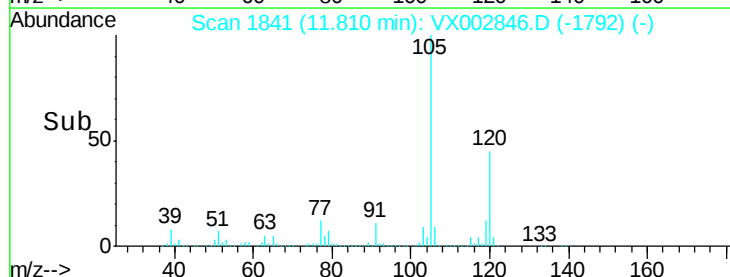
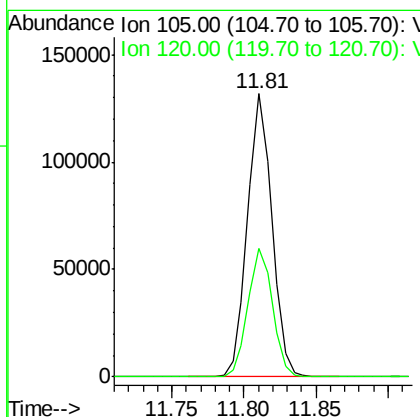
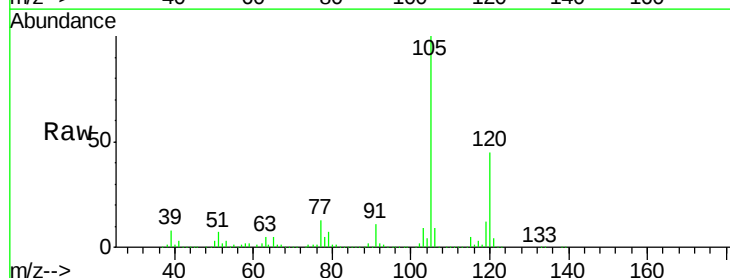
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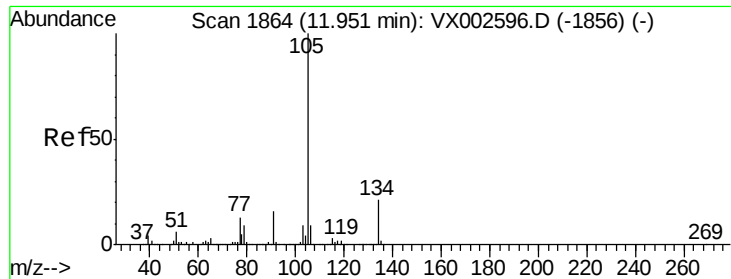
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#84
1,2,4-Trimethylbenzene
Concen: 15.14 ug/l
RT: 11.81 min Scan# 1841
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.8





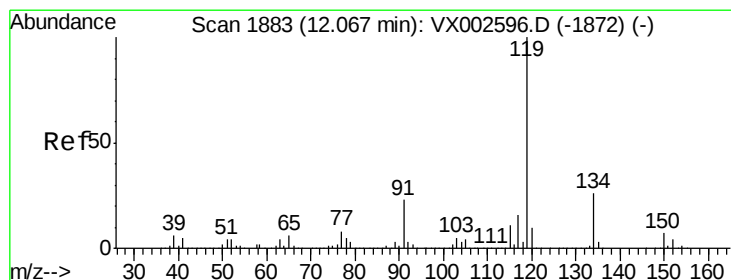
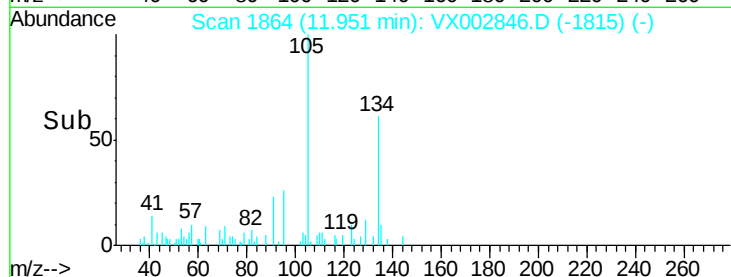
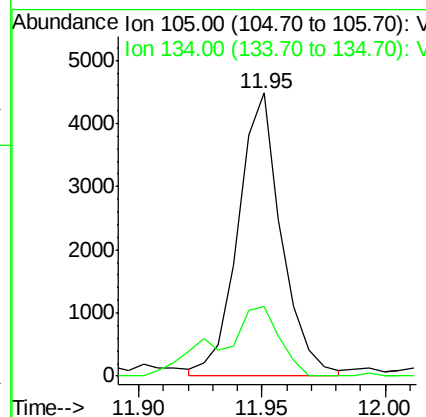
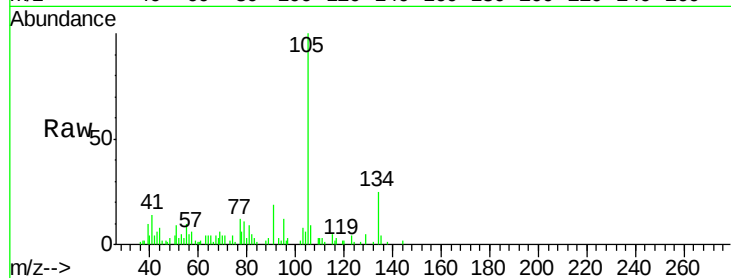
#85
 sec-Butylbenzene
 Concen: 0.46 ug/l
 RT: 11.95 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VX002846.D
 Acq: 22 Jun 2018 22:12

Instrument :
 MSVOA_X
 ClientSampled :
 S83-0020

Tot Ion	Ratio	Lower	Upper
105	100		
134	5.2	10.4	31.1#

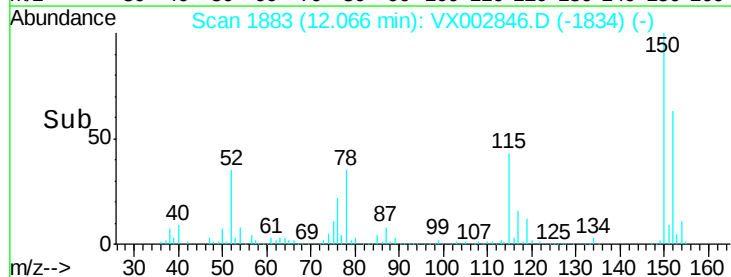
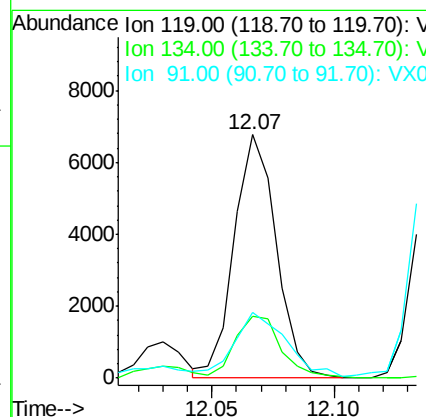
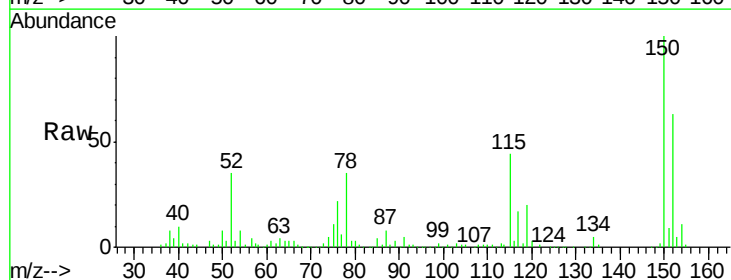
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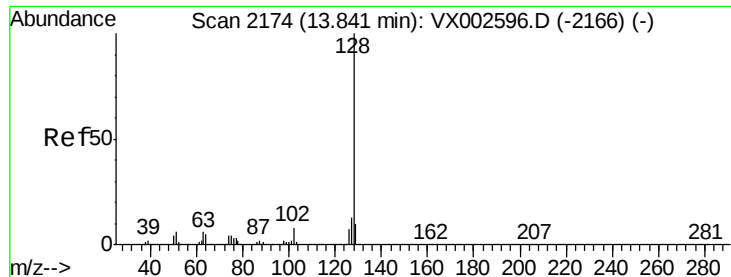
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#86
 p-Isopropyltoluene
 Concen: 0.75 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. -0.00 min
 Lab File: VX002846.D
 Acq: 22 Jun 2018 22:12

Tgt Ion	Ratio	Lower	Upper
119	100		
134	28.0	13.4	40.1
91	31.4	11.9	35.7





#95
Naphthalene
Concen: 3.58 ug/l
RT: 13.84 min Scan# 2174
Delta R.T. -0.00 min
Lab File: VX002846.D
Acq: 22 Jun 2018 22:12

Instrument :
MSVOA_X
ClientSampleId :
S83-0020

Tot Ion	Ratio	Resp	Lower	Upper
128	100	42513		
127	15.4		10.4	15.6
129	16.1		8.6	13.0

Manual Integrations
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