

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX022819\
 Data File : VX007771.D
 Acq On : 28 Feb 2019 17:19
 Operator : JC/SP
 Sample : K1641-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-420-422

Manual Integrations
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MMDadoda
 3/1/2019 10:04:27 AM

Quant Time: Mar 01 03:01:17 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 26 01:53:13 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	318102	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	501923	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	477907	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	229442	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.07	65	192037	48.74	ug/l	0.00
Spiked Amount 50.000			Recovery	=	97.48%	
35) Dibromofluoromethane	5.51	113	161585	48.16	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.32%	
50) Toluene-d8	8.71	98	615587	47.92	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.84%	
62) 4-Bromofluorobenzene	11.13	95	225245	47.78	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.06	59	12259m	16.398	ug/l	
12) 1,1-Dichloroethene	2.38	96	1046	0.376	ug/l	85
22) Diisopropyl ether	3.87	45	15894	1.484	ug/l #	86
24) 1,1-Dichloroethane	3.70	63	22488	3.863	ug/l	98
27) cis-1,2-Dichloroethene	4.60	96	11392	2.960	ug/l	98
31) Cyclohexane	5.58	56	5363	0.979	ug/l	95
40) Benzene	6.15	78	408088	29.296	ug/l	99
42) 1,2-Dichloroethane	6.20	62	26189	5.594	ug/l	99
44) Trichloroethene	7.21	130	19684	5.137	ug/l	94
61) 1,2-Dibromoethane	9.68	107	1917	0.504	ug/l	85
64) Tetrachloroethene	9.34	164	18629	4.802	ug/l	95
69) o-Xylene	10.70	106	46660	7.282	ug/l	97
73) Isopropylbenzene	11.02	105	4404	0.269	ug/l	96

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

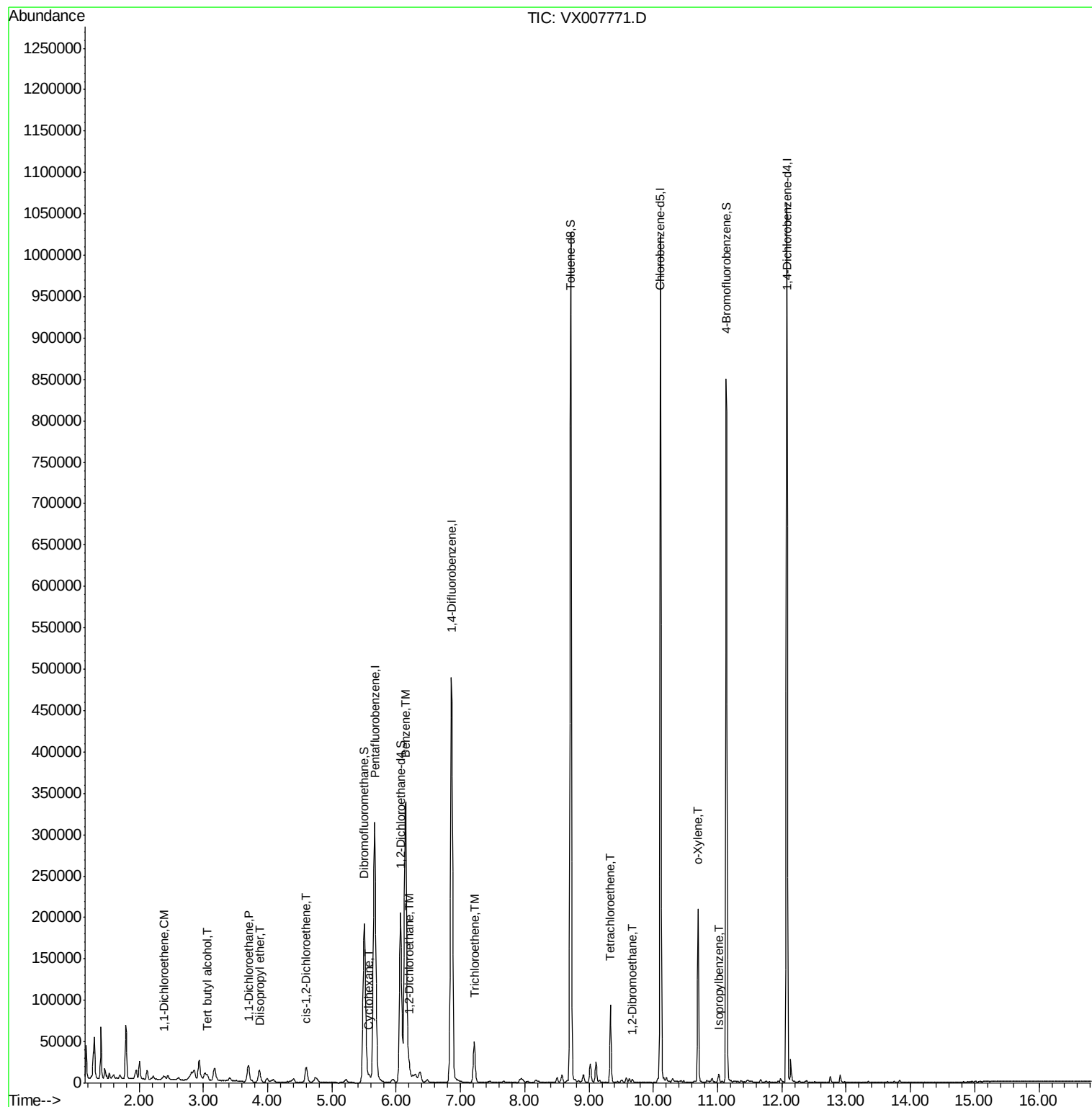
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX022819\
Data File : VX007771.D
Acq On : 28 Feb 2019 17:19
Operator : JC/SP
Sample : K1641-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 18 Sample Multiplier: 1

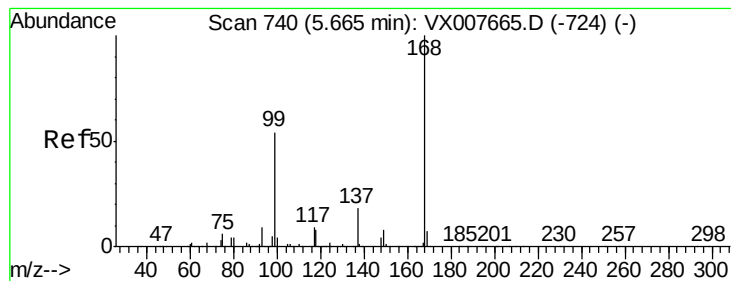
Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-420-422

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Quant Time: Mar 01 03:01:17 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X022519W.M
Quant Title : SW846 8260
QLast Update : Tue Feb 26 01:53:13 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.67 min Scan# 740

Delta R.T. -0.00 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-420-422

Tot Ion: 168 Resp: 318102

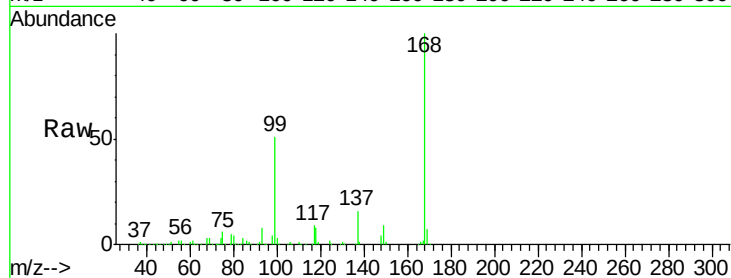
Ion Ratio Lower Upper

168 100

99 50.5 37.9 56.9

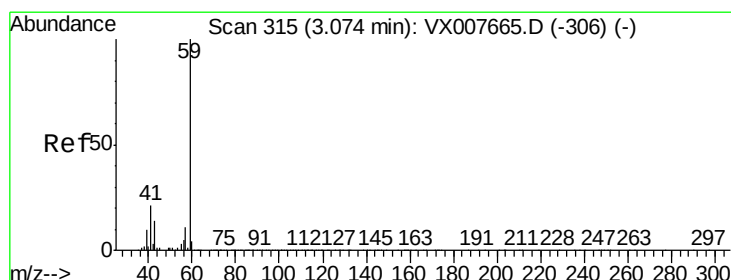
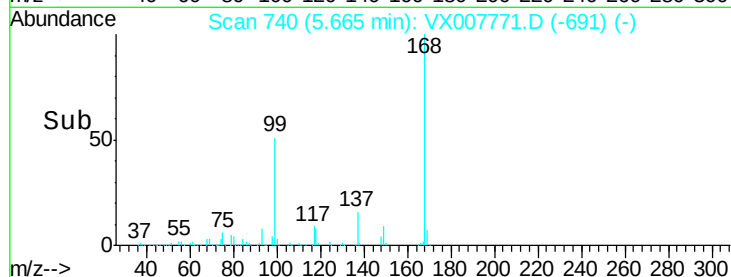
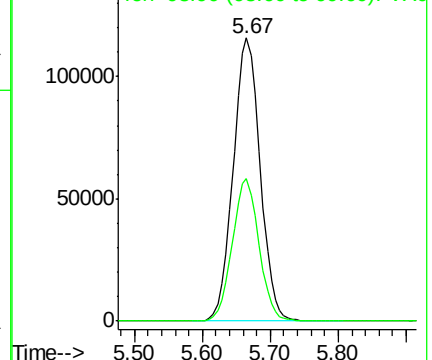
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 16.398 ug/l m

RT: 3.06 min Scan# 313

Delta R.T. -0.01 min

Lab File: VX007771.D

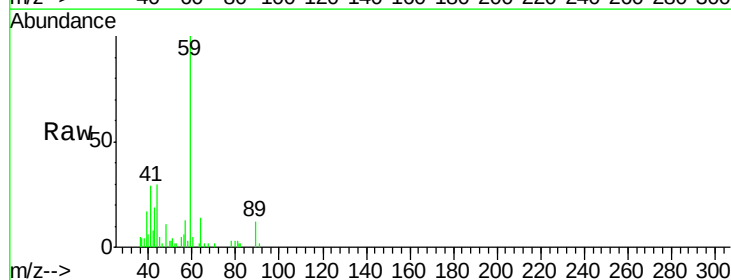
Acq: 28 Feb 2019 17:19

Tgt Ion: 59 Resp: 12259

Ion Ratio Lower Upper

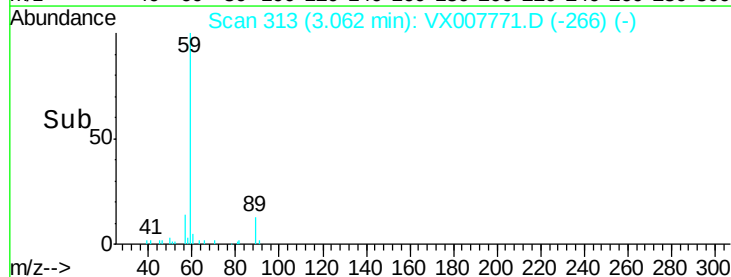
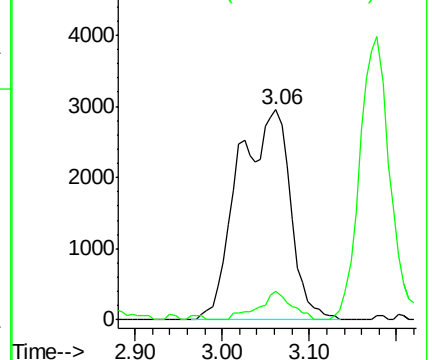
59 100

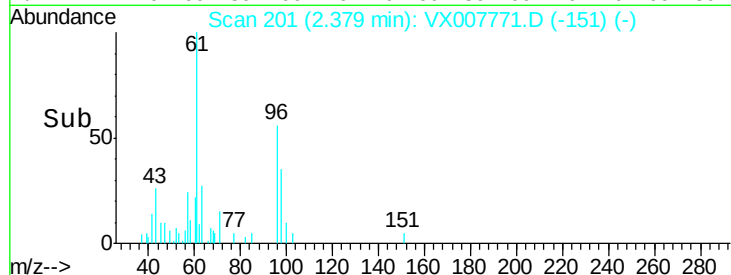
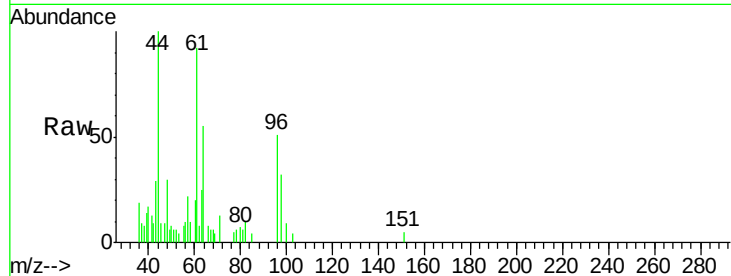
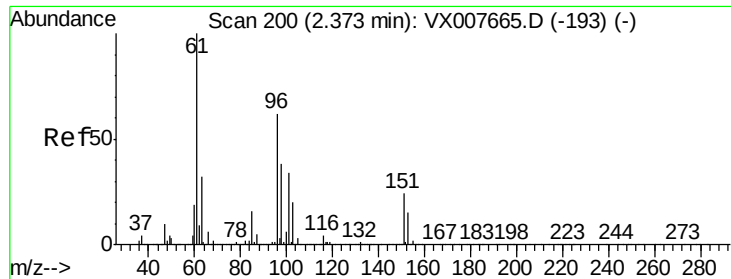
57 8.4 8.1 12.1



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





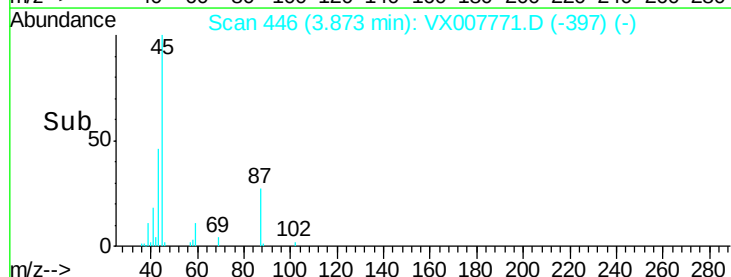
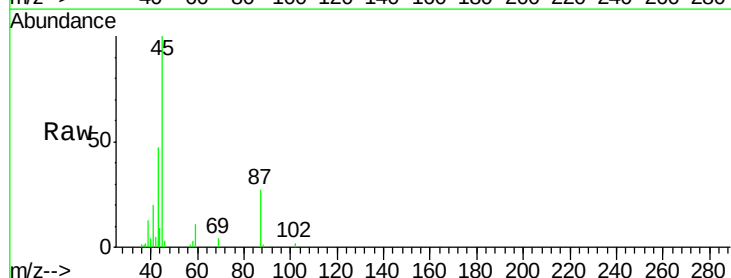
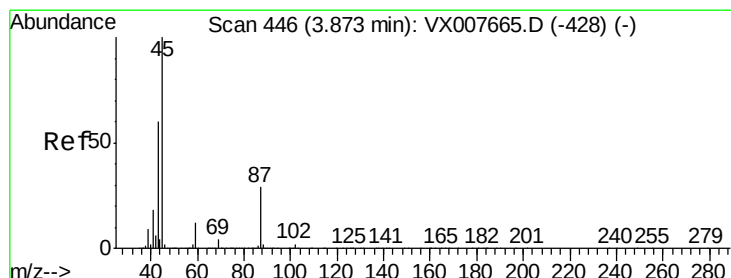
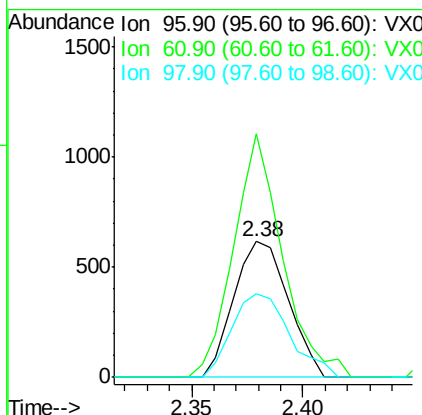
#12
1,1-Dichloroethene
Concen: 0.376 ug/l
RT: 2.38 min Scan# 201
Delta R.T. 0.01 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Tot Ion	Ratio	Lower	Upper
96	100		
61	179.4	123.0	184.4
98	62.0	50.9	76.3

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-420-422

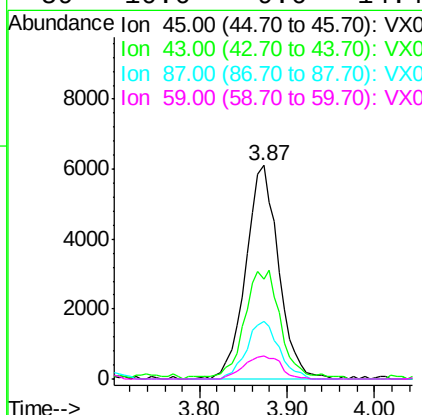
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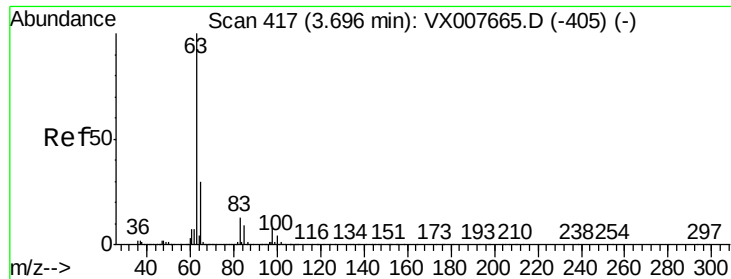
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#22
Diisopropyl ether
Concen: 1.484 ug/l
RT: 3.87 min Scan# 446
Delta R.T. -0.00 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
45	100		
43	45.7	48.9	73.3#
87	27.0	23.9	35.9
59	10.6	9.6	14.4





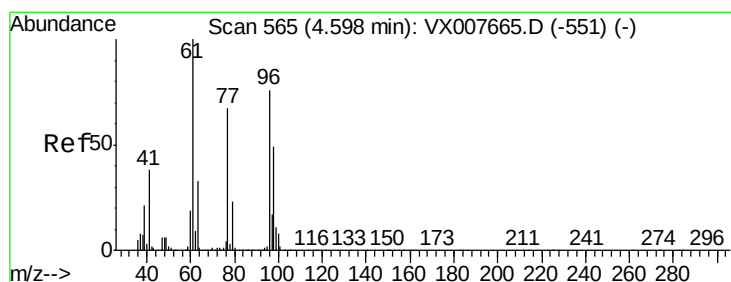
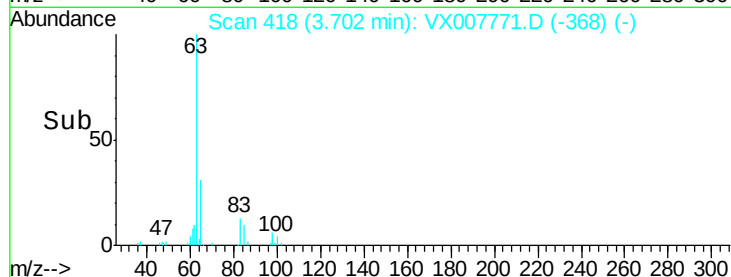
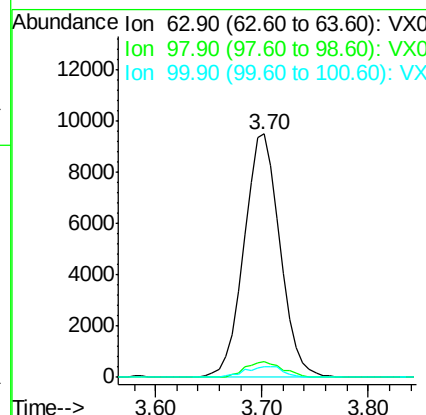
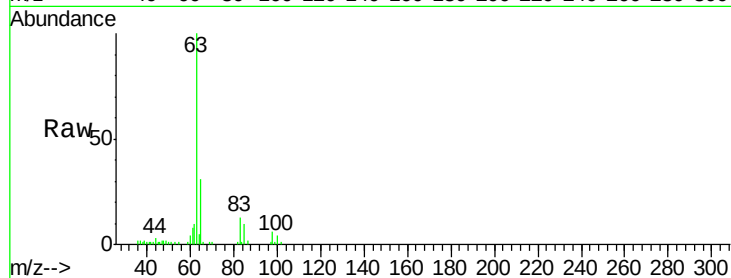
#24
1,1-Dichloroethane
Concen: 3.863 ug/l
RT: 3.70 min Scan# 418
Delta R.T. 0.01 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-420-422

Tot Ion	Ratio	Resp	Lower	Upper
63	100	22488		
98	6.3		3.6	10.8
100	4.3		2.5	7.4

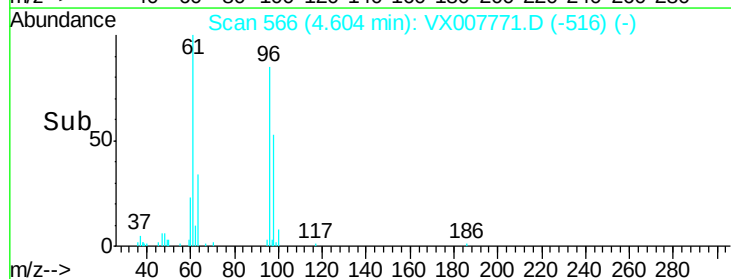
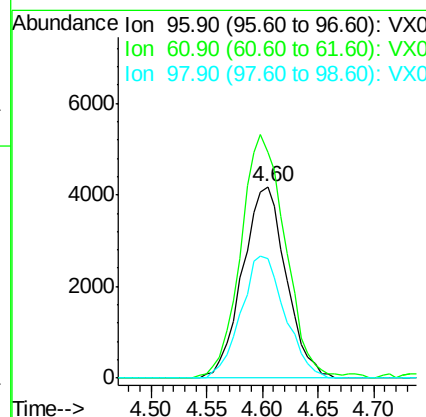
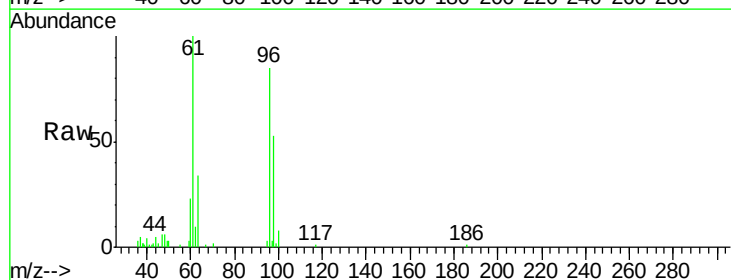
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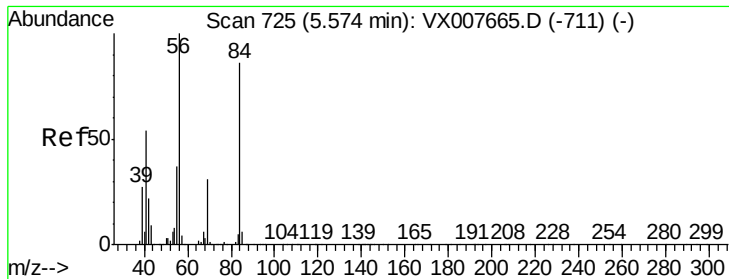
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#27
cis-1,2-Dichloroethene
Concen: 2.960 ug/l
RT: 4.60 min Scan# 566
Delta R.T. 0.01 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Tgt Ion	Ratio	Resp	Lower	Upper
96	100	11392		
61	130.6		0.0	265.6
98	64.0		0.0	131.6





#31

Cyclohexane

Concen: 0.979 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Instrument :

MSVOA_X

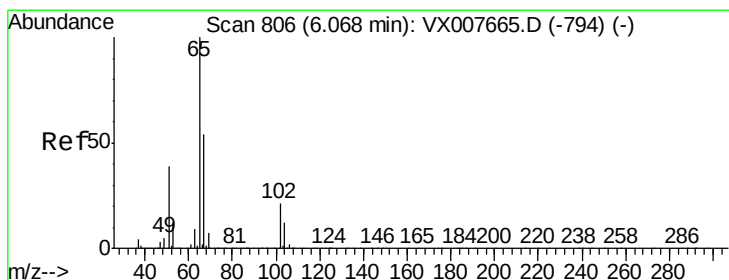
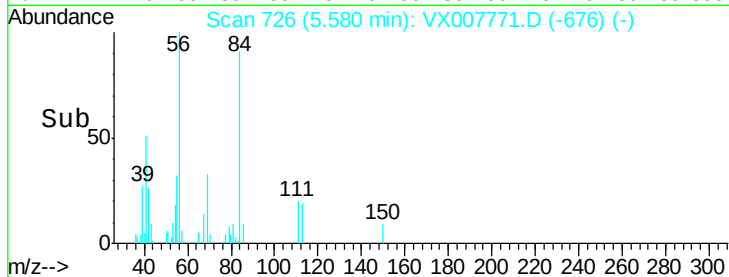
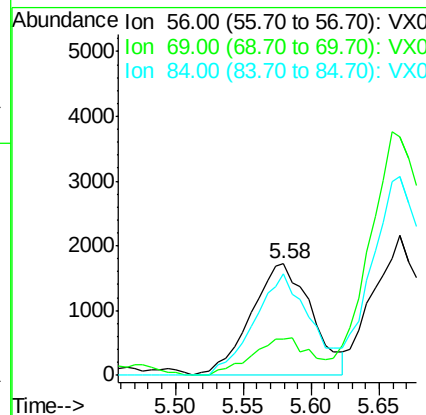
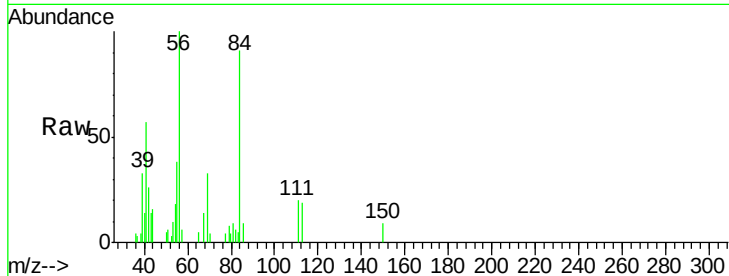
ClientSampleId :

BP-VPB201-GW-420-422

Tot Ion:	56	Resp:	5363
Ion	Ratio	Lower	Upper
56	100		
69	33.0	23.0	34.6
84	91.1	69.8	104.6

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#33

1,2-Dichloroethane-d4

Concen: 48.737 ug/l

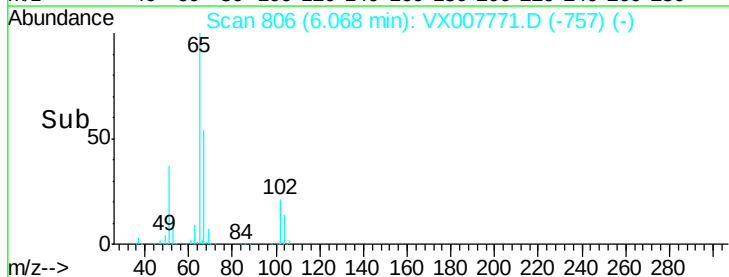
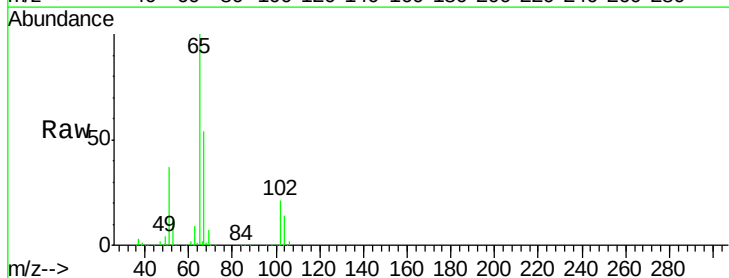
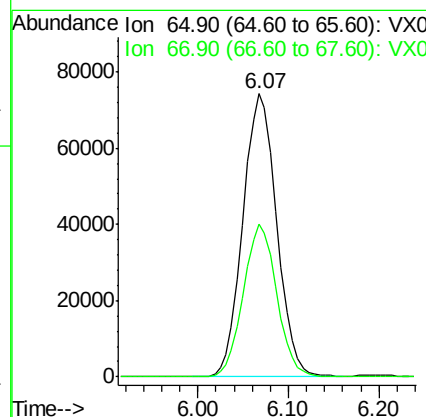
RT: 6.07 min Scan# 806

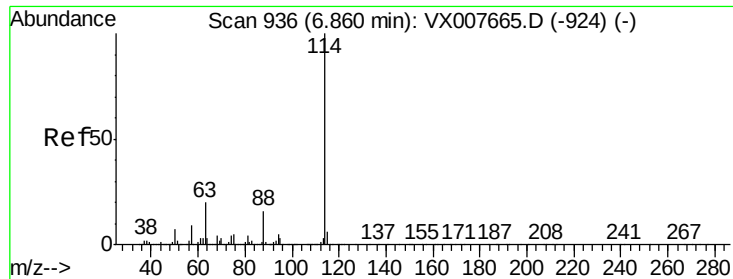
Delta R.T. -0.00 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Tgt Ion:	65	Resp:	192037
Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.86 min Scan# 936

Delta R.T. -0.00 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Instrument :

MSVOA_X

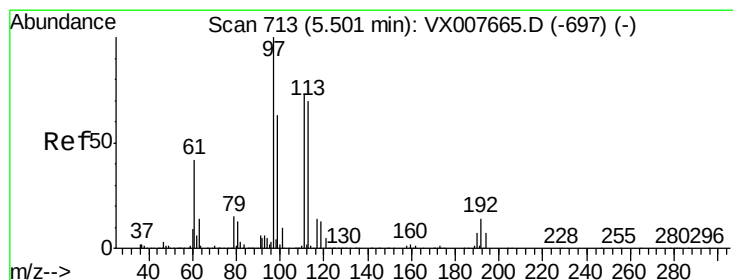
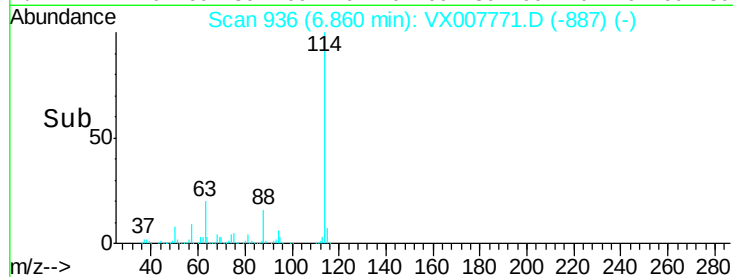
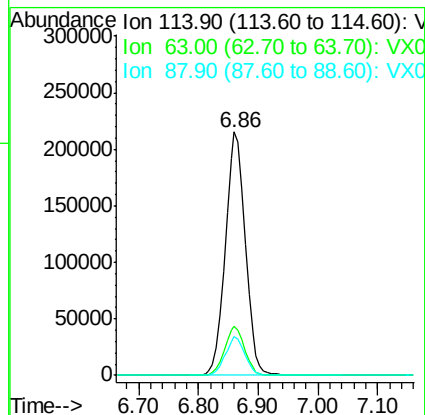
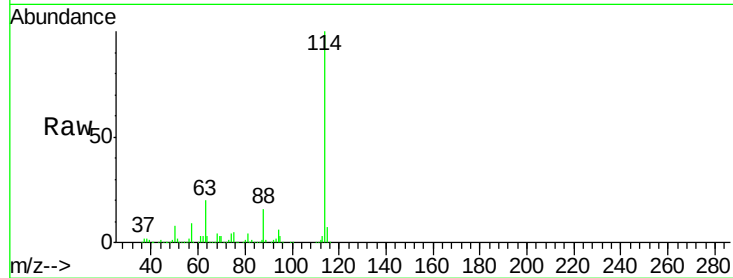
ClientSampleId :

BP-VPB201-GW-420-422

Tot Ion:	114	Resp:	501923
Ion Ratio		Lower	Upper
114	100		
63	20.2	0.0	35.6
88	15.8	0.0	29.6

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#35

Dibromofluoromethane

Concen: 48.160 ug/l

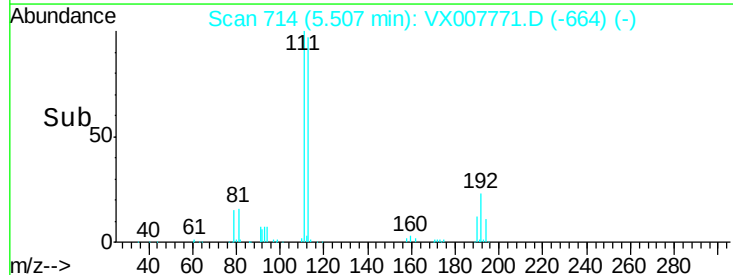
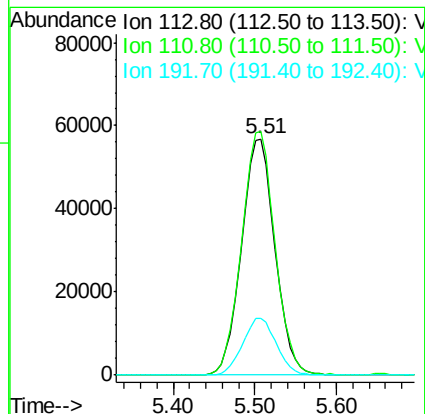
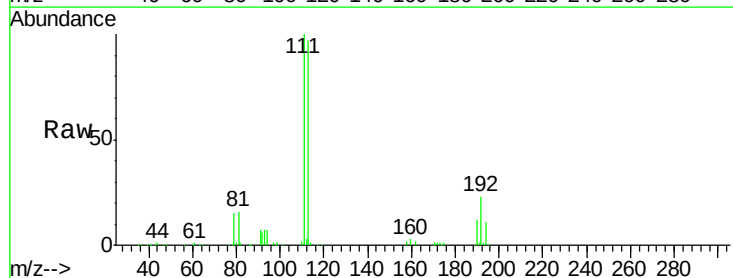
RT: 5.51 min Scan# 714

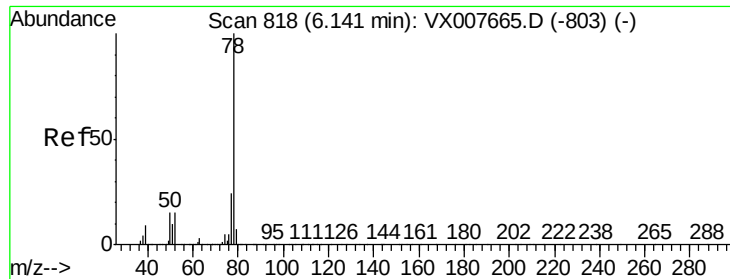
Delta R.T. 0.01 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Tgt Ion:	113	Resp:	161585
Ion Ratio		Lower	Upper
113	100		
111	103.1	81.8	122.8
192	24.2	18.5	27.7





#40

Benzene

Concen: 29.296 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-420-422

Tot Ion: 78 Resp: 408088

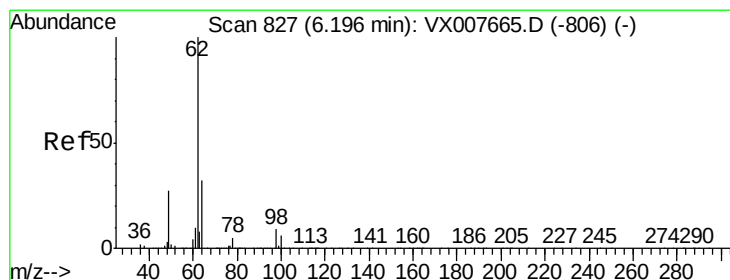
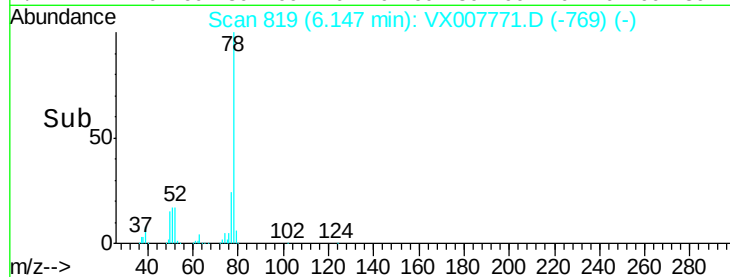
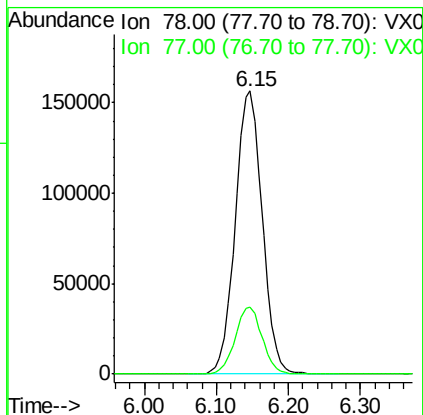
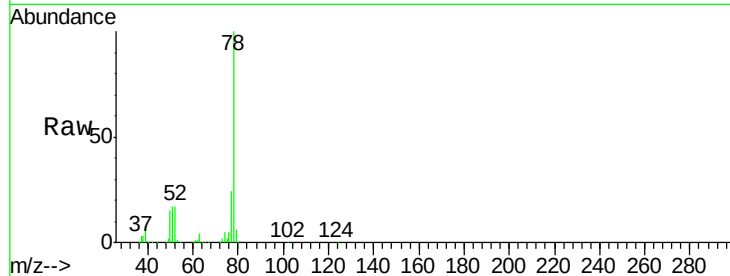
Ion Ratio Lower Upper

78 100

77 23.8 19.3 28.9

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#42

1,2-Dichloroethane

Concen: 5.594 ug/l

RT: 6.20 min Scan# 828

Delta R.T. 0.01 min

Lab File: VX007771.D

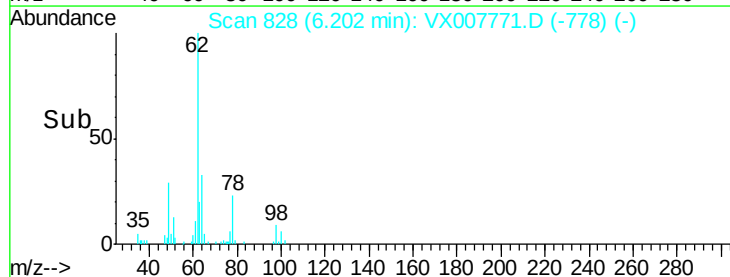
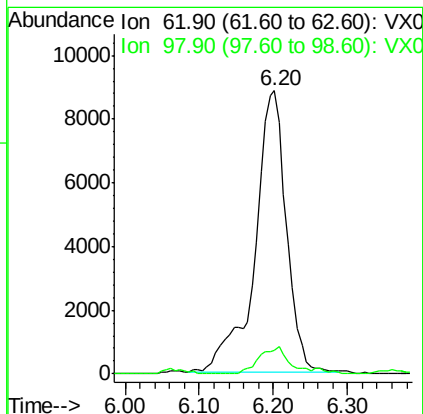
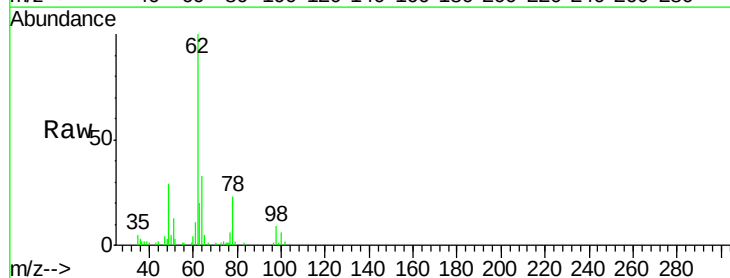
Acq: 28 Feb 2019 17:19

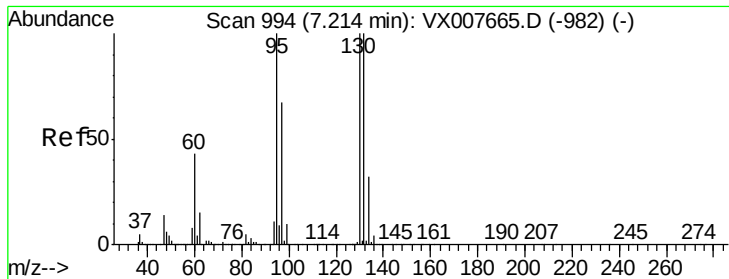
Tgt Ion: 62 Resp: 26189

Ion Ratio Lower Upper

62 100

98 9.1 0.0 19.0





#44

Trichloroethene

Concen: 5.137 ug/l

RT: 7.21 min Scan# 994

Delta R.T. -0.00 min

Lab File: VX007771.D

Acq: 28 Feb 2019 17:19

Instrument :

MSVOA_X

ClientSampleId :

BP-VPB201-GW-420-422

Tot Ion:130 Resp: 19684

Ion Ratio Lower Upper

130 100

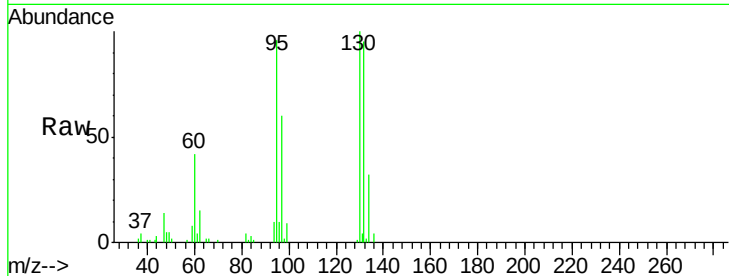
95 95.6 0.0 180.0

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Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VX0

7.21

10000

8000

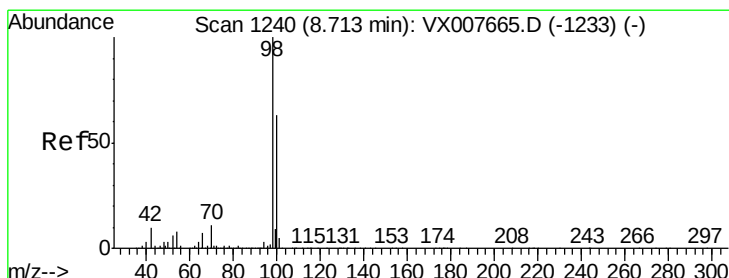
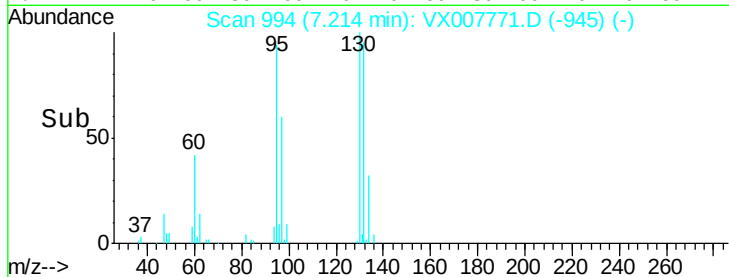
6000

4000

2000

0

Time--> 7.10 7.15 7.20 7.25 7.30



#50

Toluene-d8

Concen: 47.924 ug/l

RT: 8.71 min Scan# 1240

Delta R.T. -0.00 min

Lab File: VX007771.D

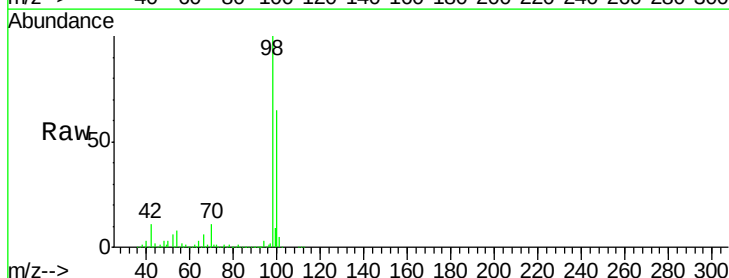
Acq: 28 Feb 2019 17:19

Tgt Ion: 98 Resp: 615587

Ion Ratio Lower Upper

98 100

100 64.7 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VX0

Ion 100.00 (99.70 to 100.70): VX0

8.71

400000

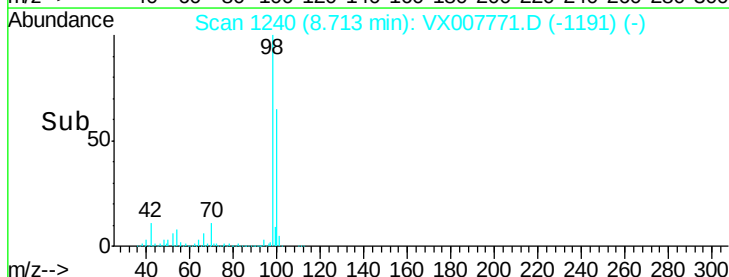
300000

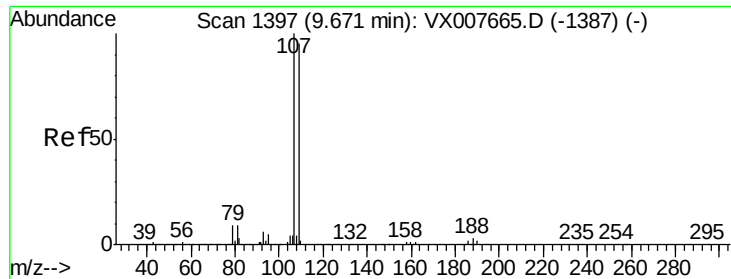
200000

100000

0

Time--> 8.60 8.70 8.80





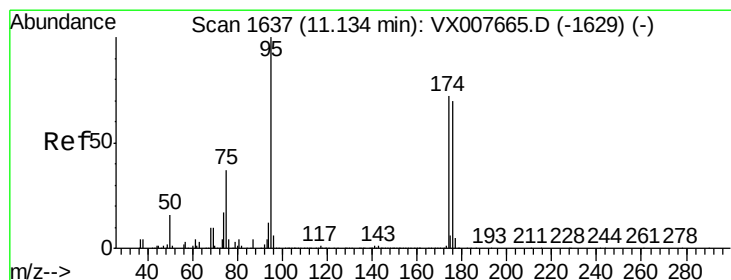
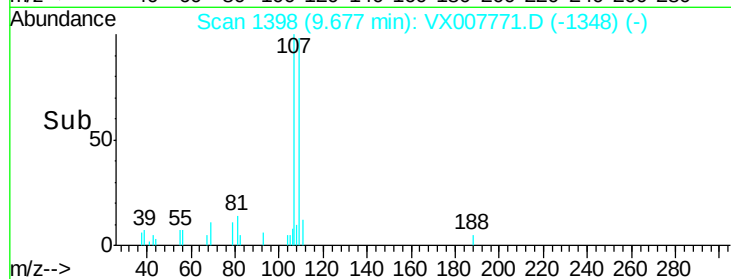
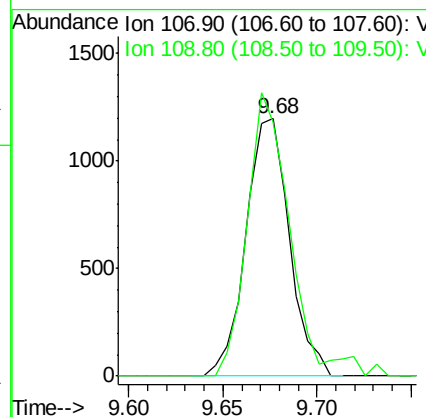
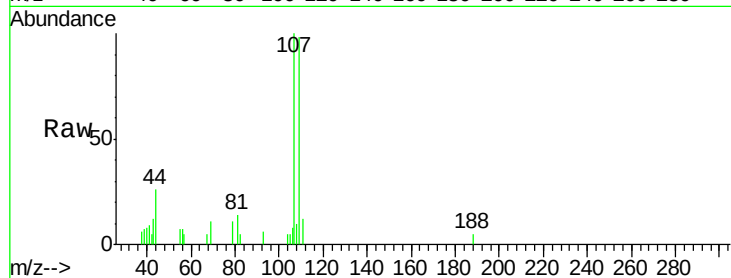
#61
 1,2-Dibromoethane
 Concen: 0.504 ug/l
 RT: 9.68 min Scan# 1398
 Delta R.T. 0.01 min
 Lab File: VX007771.D
 Acq: 28 Feb 2019 17:19

Instrument :
 MSVOA_X
 ClientSampleId :
 BP-VPB201-GW-420-422

Tot Ion	Ratio	Lower	Upper
107	100		
109	108.7	75.1	112.7

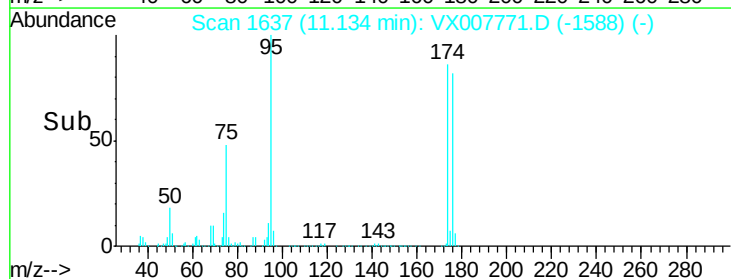
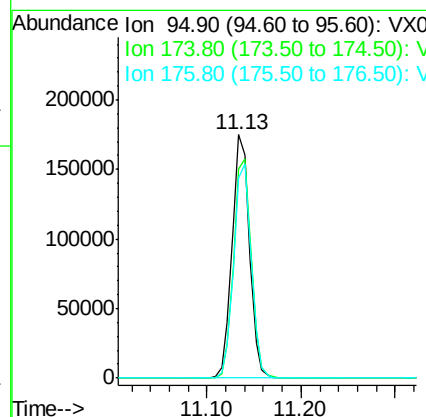
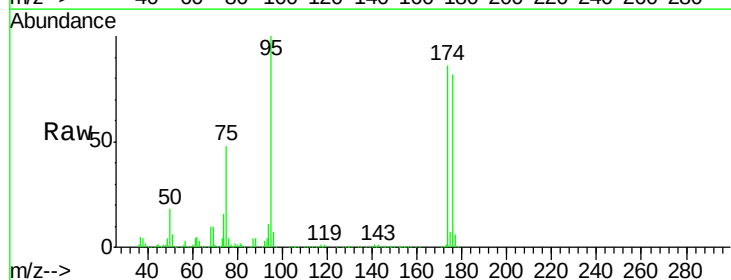
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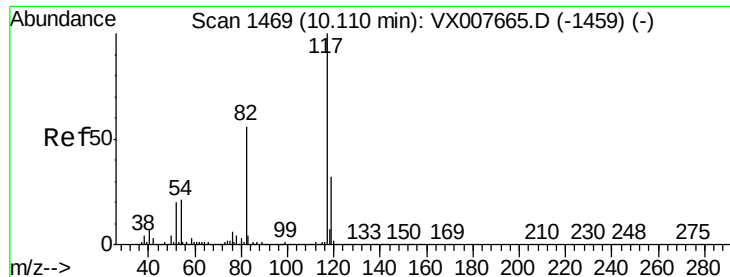
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 3/1/2019 10:04:27 AM



#62
 4-Bromofluorobenzene
 Concen: 47.776 ug/l
 RT: 11.13 min Scan# 1637
 Delta R.T. -0.00 min
 Lab File: VX007771.D
 Acq: 28 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.6	0.0	189.2
176	88.7	0.0	186.2





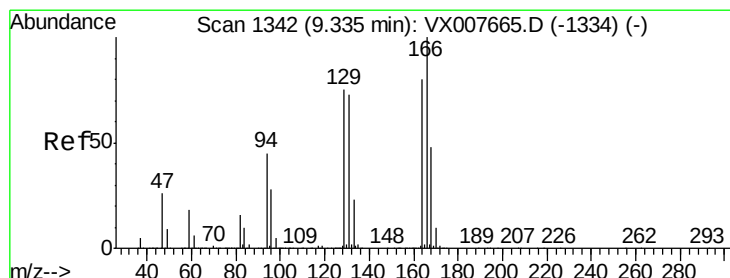
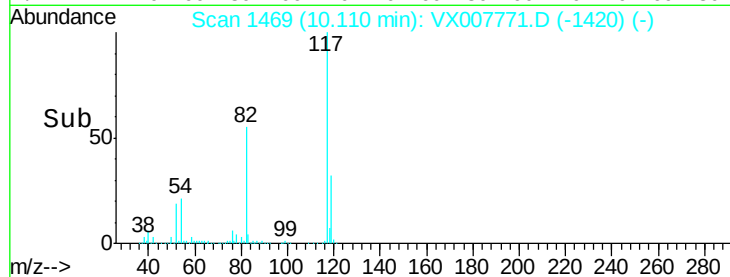
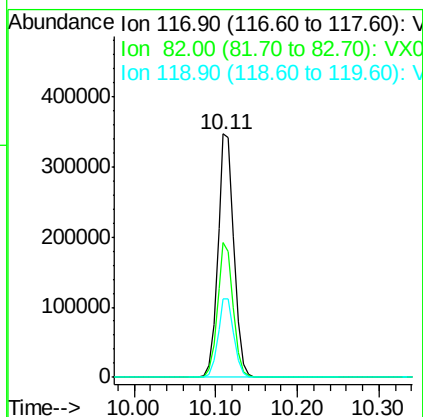
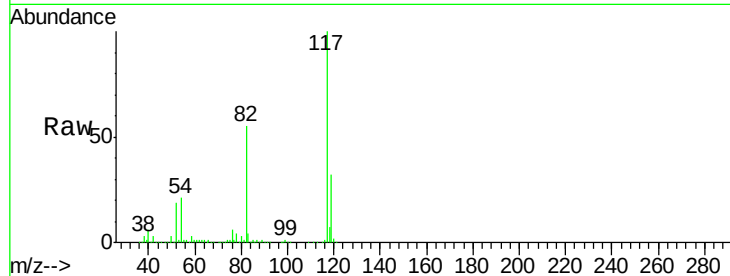
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-420-422

Tot Ion	Ratio	Lower	Upper
117	100		
82	55.4	42.1	63.1
119	32.1	26.5	39.7

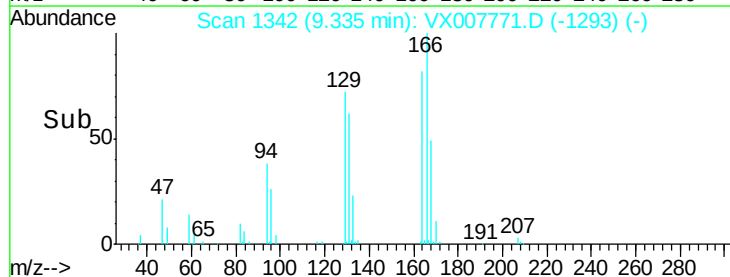
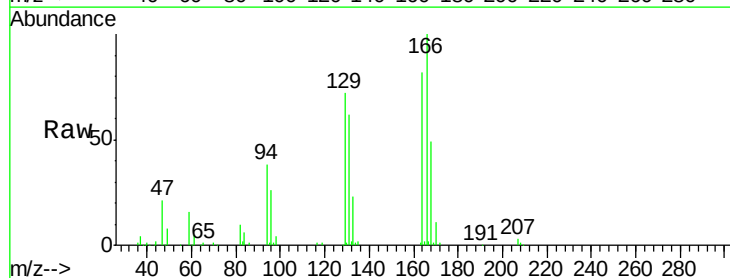
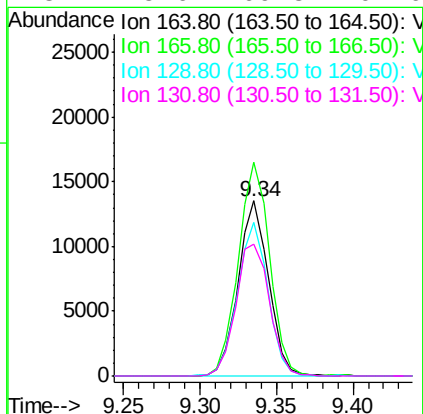
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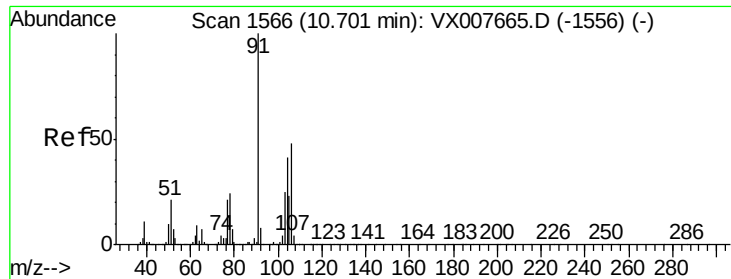
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3/1/2019 10:04:27 AM



#64
Tetrachloroethene
Concen: 4.802 ug/l
RT: 9.34 min Scan# 1342
Delta R.T. -0.00 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
164	100		
166	121.9	101.0	151.4
129	87.7	70.5	105.7
131	75.6	69.8	104.6





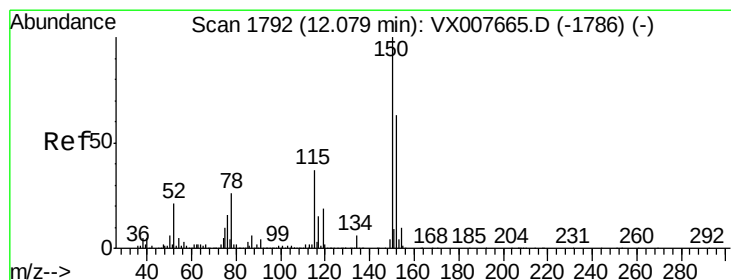
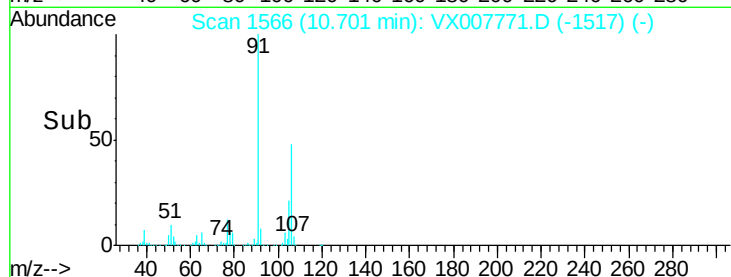
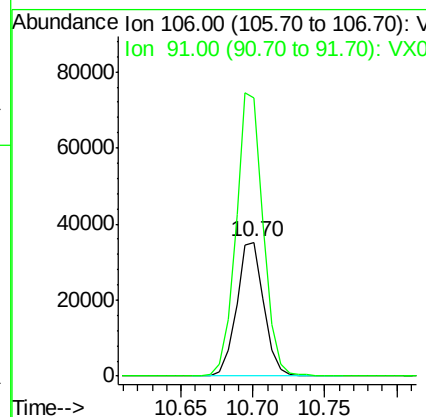
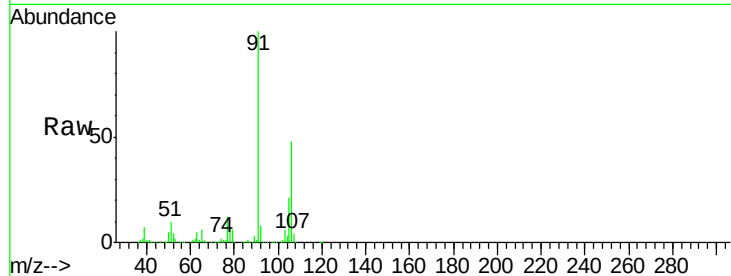
#69
o-Xylene
Concen: 7.282 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. -0.00 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-420-422

Tot Ion	Ratio	Lower	Upper
106	100		
91	210.4	102.9	308.7

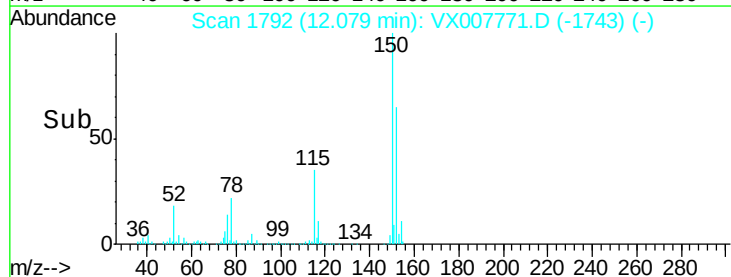
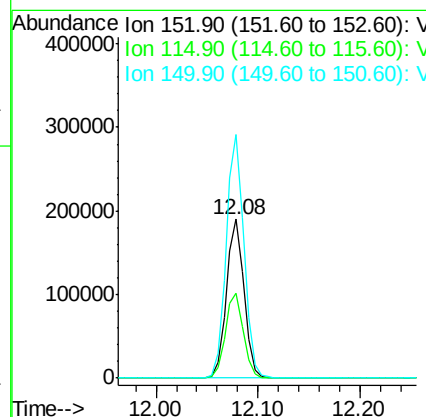
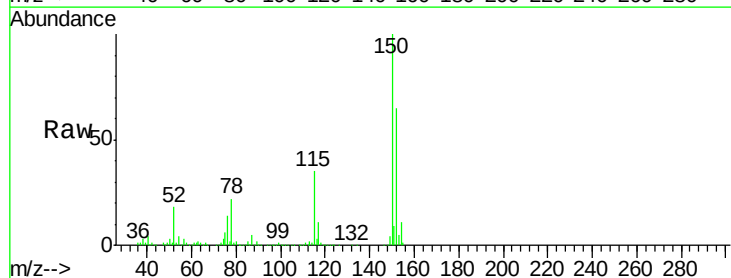
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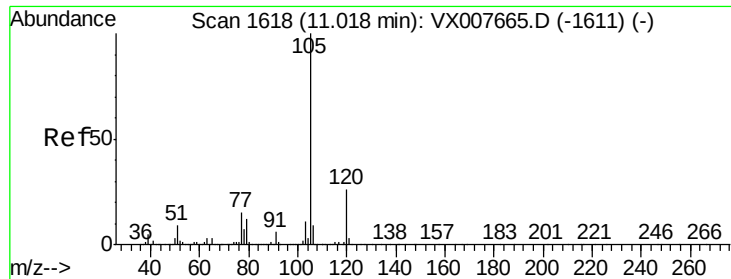
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Tgt Ion	Ratio	Lower	Upper
152	100		
115	54.5	38.0	114.0
150	154.6	0.0	346.4





#73
Isopropylbenzene
Concen: 0.269 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VX007771.D
Acq: 28 Feb 2019 17:19

Instrument :
MSVOA_X
ClientSampleId :
BP-VPB201-GW-420-422

Tot Ion	Ratio	Lower	Upper
105	100		
120	29.0	13.6	40.7

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3/1/2019 10:04:27 AM

