

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
 Data File : VX008690.D
 Acq On : 05 Apr 2019 18:33
 Operator : JC/SP
 Sample : K2275-02DL 20X
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712DL

Manual Integrations
 APPROVED

MMDadoda
 4/8/2019 9:50:06 AM

Quant Time: Apr 06 02:34:07 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
 Quant Title : SW846 8260
 QLast Update : Thu Apr 04 04:47:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	203863	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.86	114	339290	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	298123	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	126746	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	140338	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
35) Dibromofluoromethane	5.50	113	102393	47.20	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.40%	
50) Toluene-d8	8.71	98	430412	49.83	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.66%	
62) 4-Bromofluorobenzene	11.13	95	148077	48.34	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.68%	
Target Compounds						
31) Cyclohexane	5.58	56	12714	2.475	ug/l	97
39) Methylcyclohexane	7.46	83	18741	4.091	ug/l	98
65) Chlorobenzene	10.14	112	2122	0.321	ug/l	96
67) Ethyl Benzene	10.25	91	197035	15.990	ug/l	99
68) m/p-Xylenes	10.35	106	262000	59.134	ug/l	99
69) o-Xylene	10.69	106	14233	3.315	ug/l	100
73) Isopropylbenzene	11.02	105	23472	2.235	ug/l	99
78) n-propylbenzene	11.36	91	25646	2.097	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	45167	5.123	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	123931	13.881	ug/l	98
85) sec-Butylbenzene	11.94	105	2615m	0.260	ug/l	
86) p-Isopropyltoluene	12.06	119	2861m	0.316	ug/l	
95) Naphthalene	13.83	128	44904	4.305	ug/l	99

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

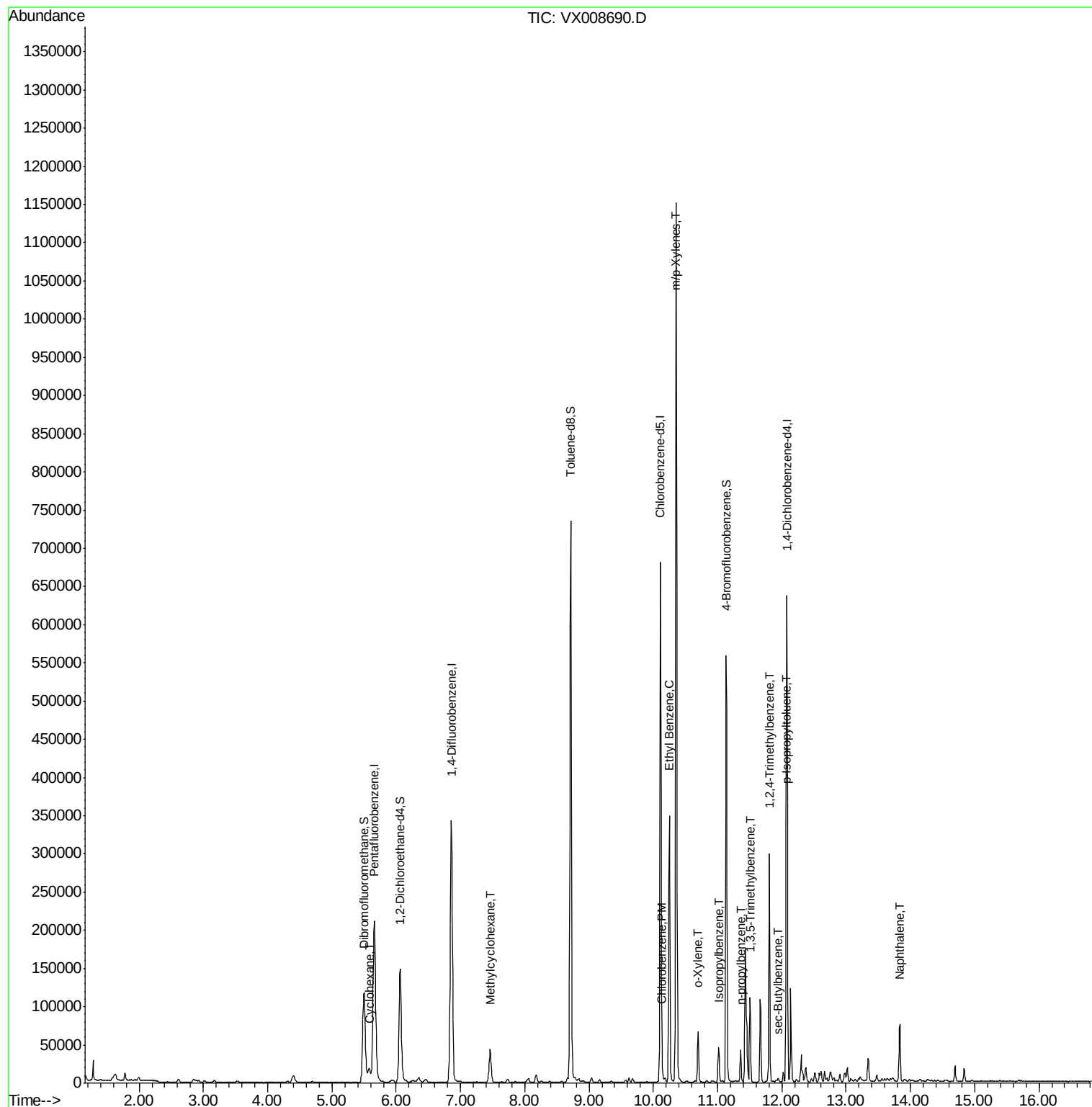
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_X\DATA\VX040519\
Data File : VX008690.D
Acq On : 05 Apr 2019 18:33
Operator : JC/SP
Sample : K2275-02DL 20X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 19 Sample Multiplier: 1

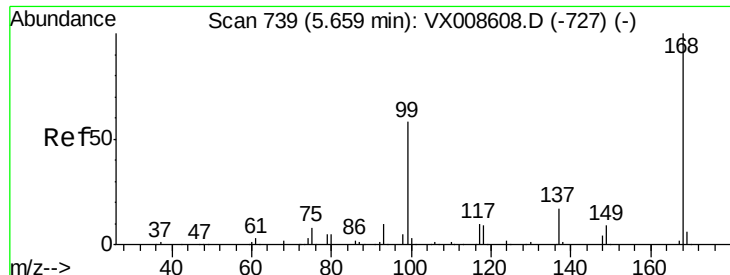
Instrument :
MSVOA_X
ClientSampleId :
S8-0712DL

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Quant Time: Apr 06 02:34:07 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X040319W.M
Quant Title : SW846 8260
QLast Update : Thu Apr 04 04:47:41 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.66 min Scan# 739

Delta R.T. -0.00 min

Lab File: VX008690.D

Acq: 05 Apr 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

S8-0712DL

Tgt Ion:168 Resp: 203863

Ion Ratio Lower Upper

168 100

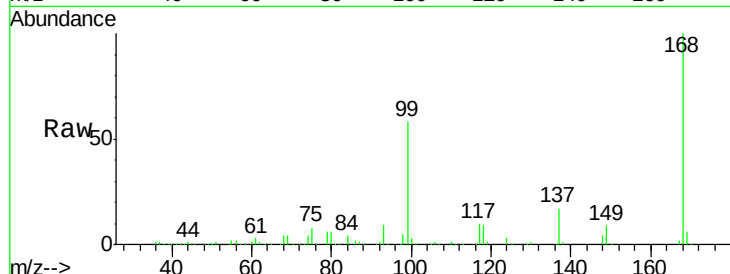
99 58.0 46.7 70.1

Manual Integrations

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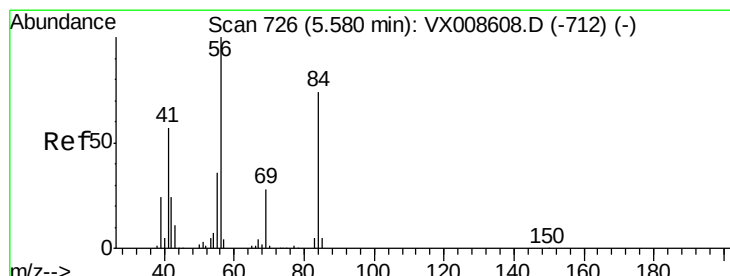
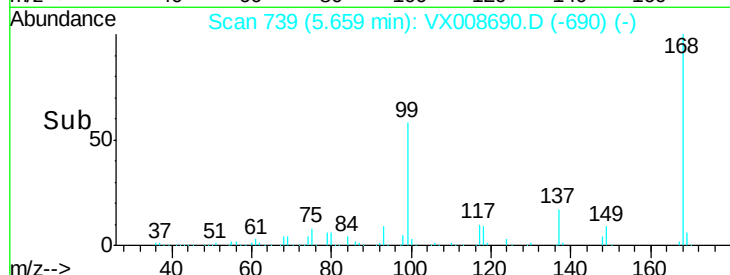


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0

5.66

Time--> 5.50 5.60 5.70 5.80



#31

Cyclohexane

Concen: 2.475 ug/l

RT: 5.58 min Scan# 726

Delta R.T. -0.00 min

Lab File: VX008690.D

Acq: 05 Apr 2019 18:33

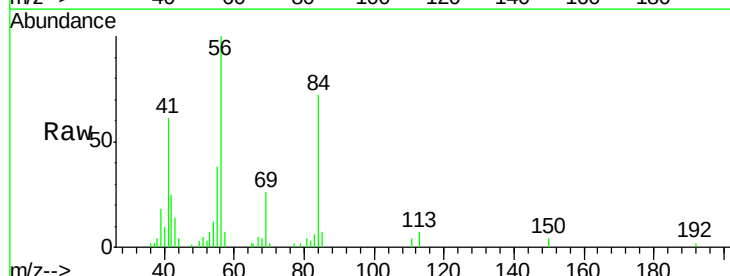
Tgt Ion: 56 Resp: 12714

Ion Ratio Lower Upper

56 100

69 25.8 22.6 33.8

84 72.2 59.3 88.9



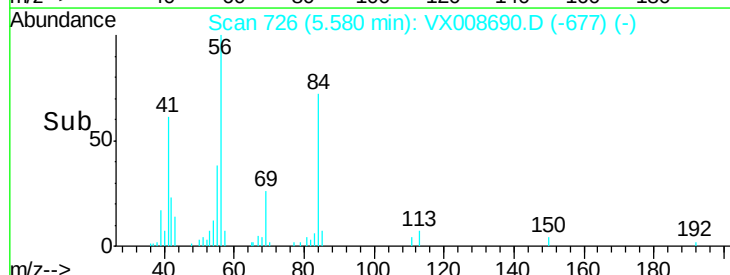
Abundance Ion 56.00 (55.70 to 56.70): VX0

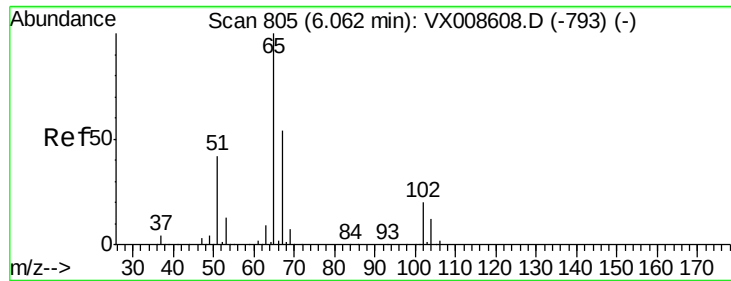
Ion 69.00 (68.70 to 69.70): VX0

Ion 84.00 (83.70 to 84.70): VX0

5.58

Time--> 5.45 5.50 5.55 5.60 5.65





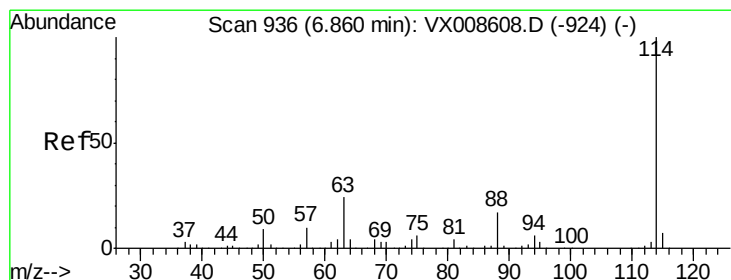
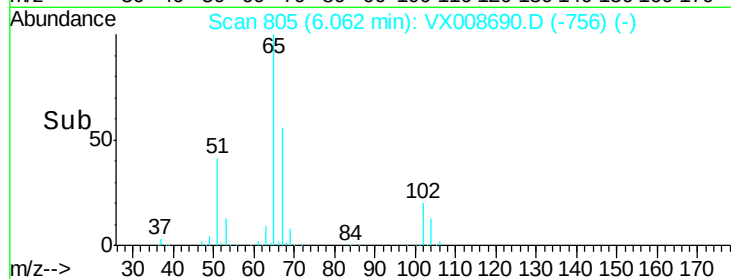
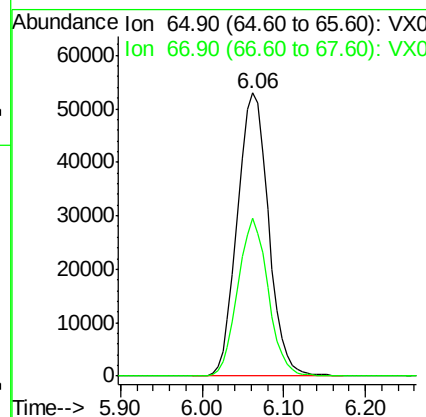
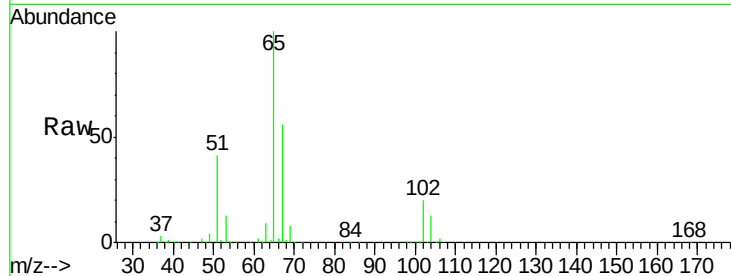
#33
 1,2-Dichloroethane-d4
 Concen: 47.197 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712DL

Tgt Ion: 65 Resp: 140338
 Ion Ratio Lower Upper
 65 100
 67 54.3 0.0 107.2

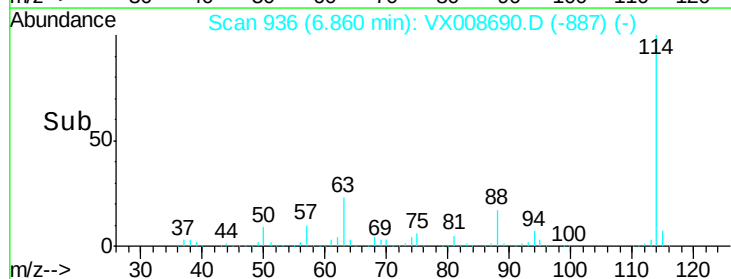
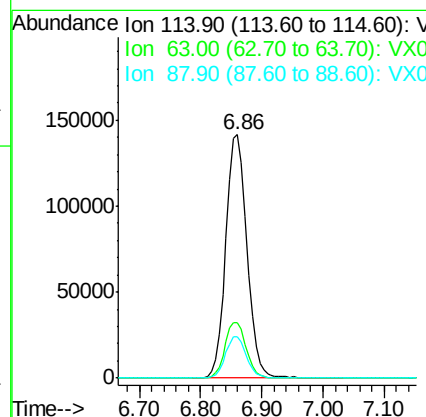
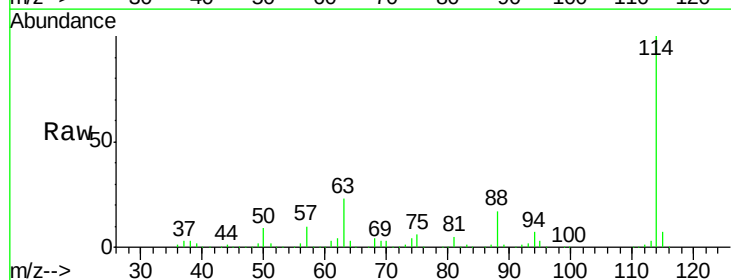
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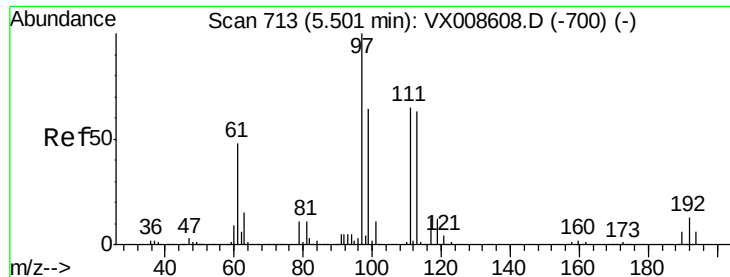
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.86 min Scan# 936
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Tgt Ion: 114 Resp: 339290
 Ion Ratio Lower Upper
 114 100
 63 22.7 0.0 47.2
 88 17.1 0.0 34.0





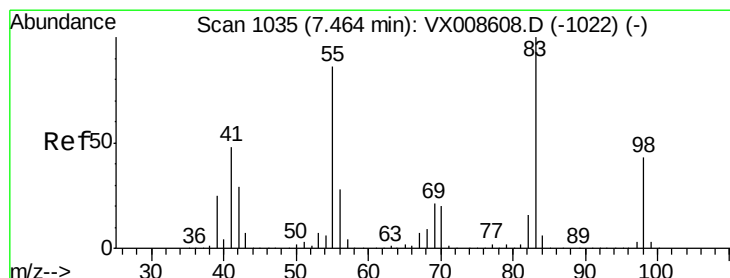
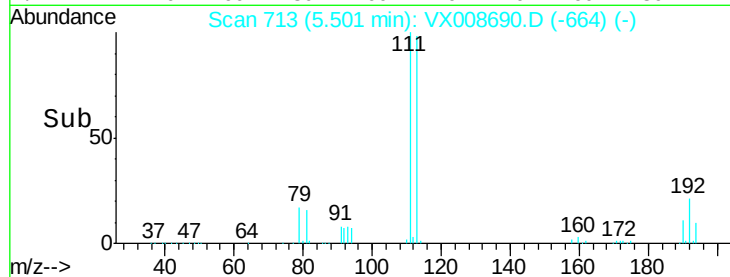
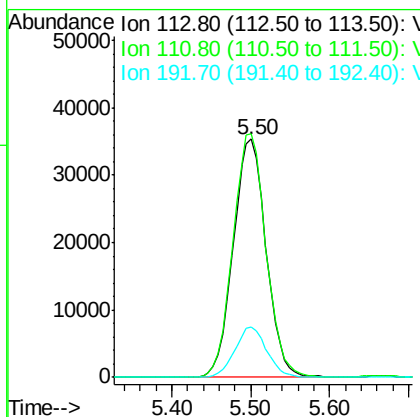
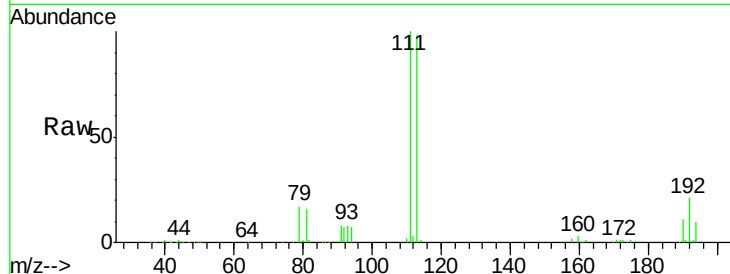
#35
 Dibromofluoromethane
 Concen: 47.201 ug/l
 RT: 5.50 min Scan# 713
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712DL

Tgt Ion	Ratio	Resp	Lower	Upper
113	100	102393		
111	102.8	83.4	125.2	
192	20.8	16.1	24.1	

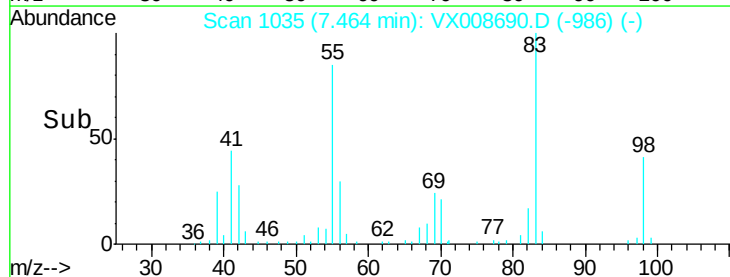
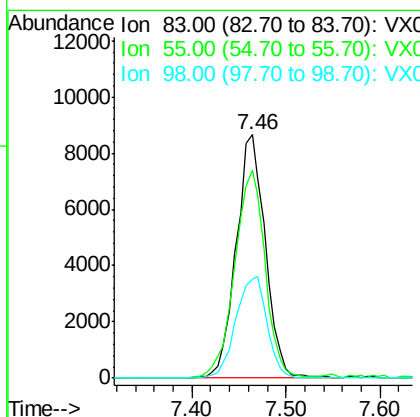
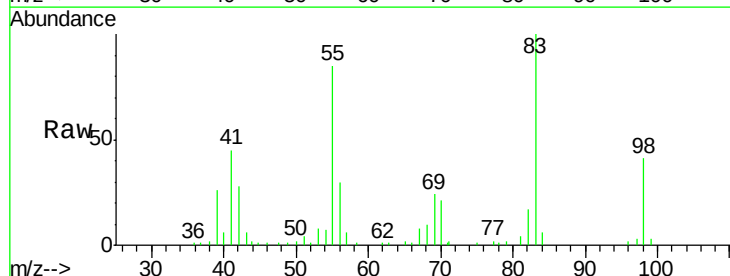
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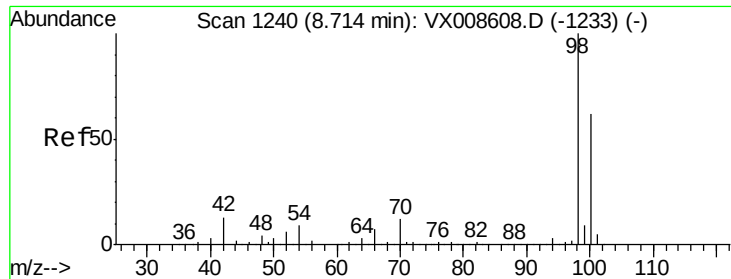
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#39
 Methylcyclohexane
 Concen: 4.091 ug/l
 RT: 7.46 min Scan# 1035
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
83	100	18741		
55	85.5	69.0	103.6	
98	40.8	34.4	51.6	





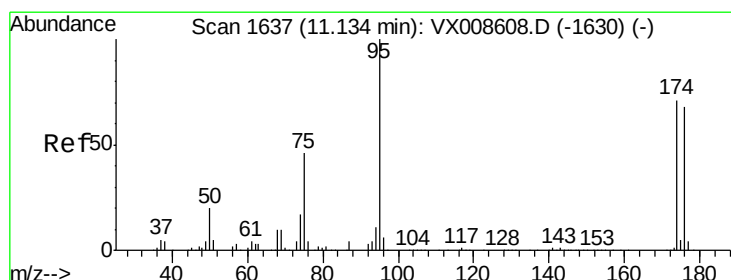
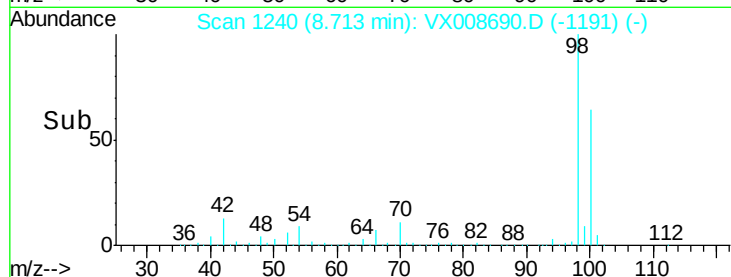
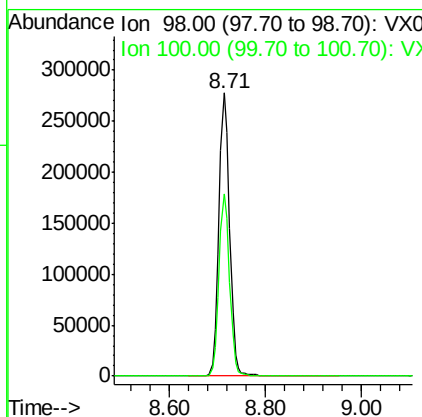
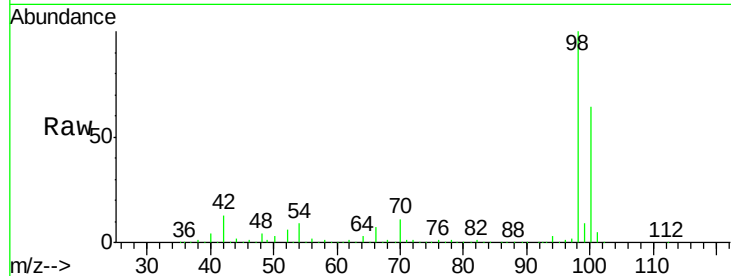
#50
Toluene-d8
Concen: 49.830 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. -0.00 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
S8-0712DL

Tgt Ion: 98 Resp: 430412
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.0

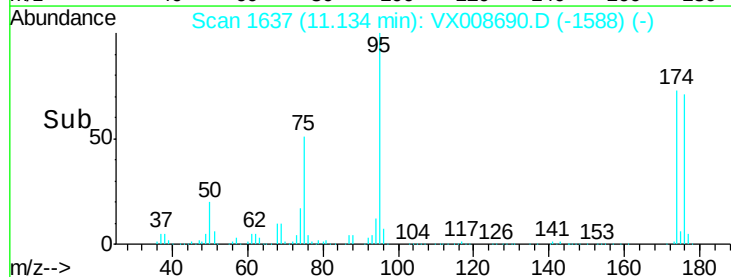
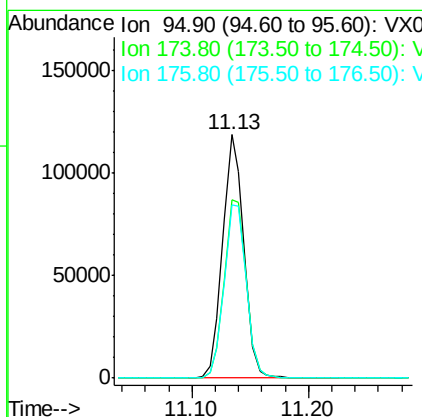
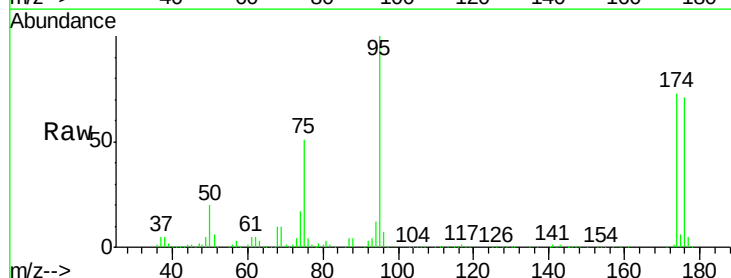
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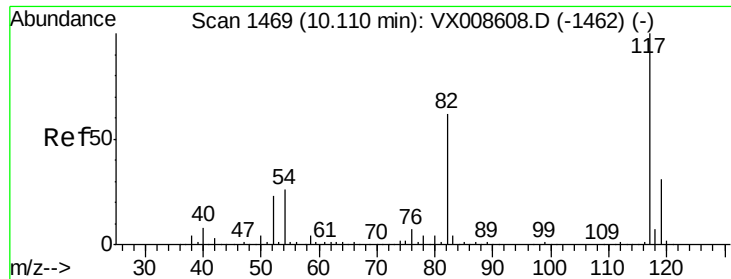
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#62
4-Bromofluorobenzene
Concen: 48.344 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. -0.00 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Tgt Ion: 95 Resp: 148077
Ion Ratio Lower Upper
95 100
174 76.6 0.0 151.8
176 75.1 0.0 145.8





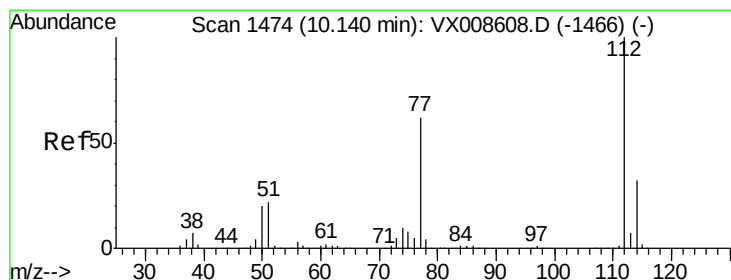
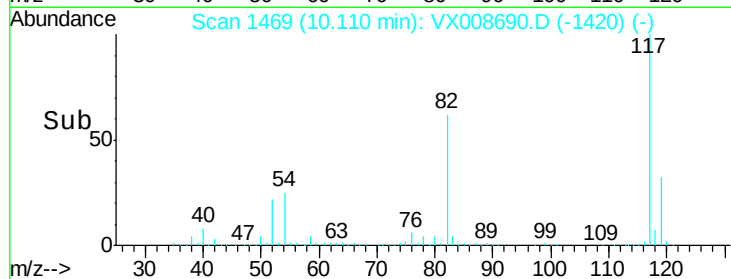
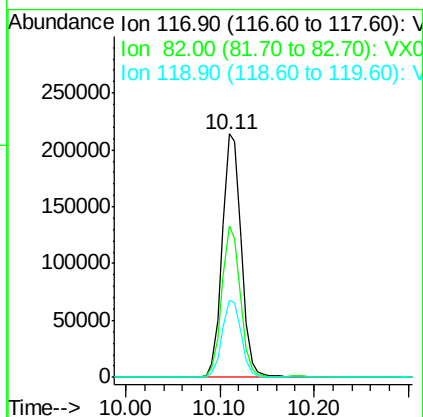
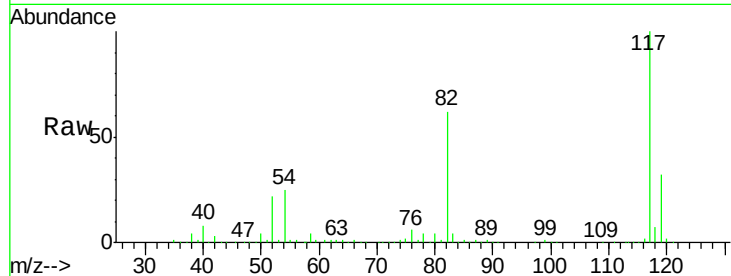
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. -0.00 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
S8-0712DL

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	298123		
82	62.1	49.6	74.4	
119	31.5	25.0	37.4	

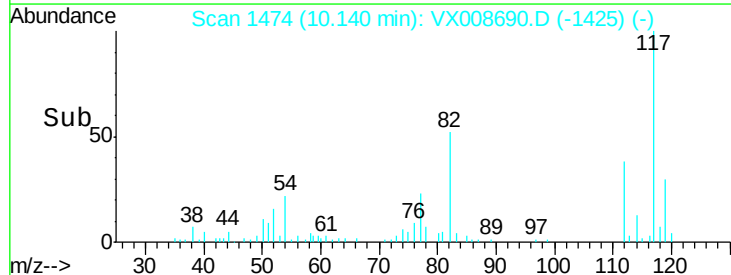
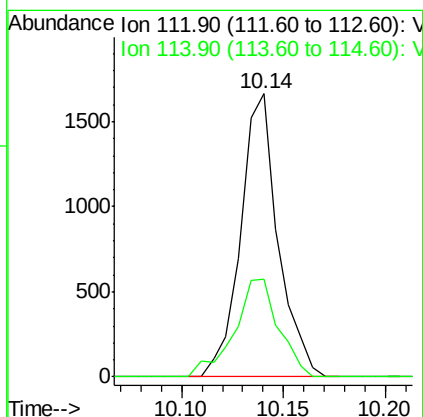
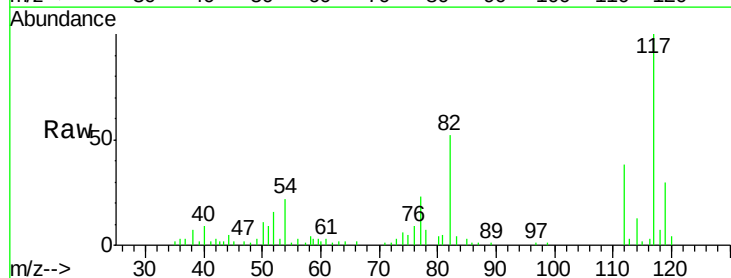
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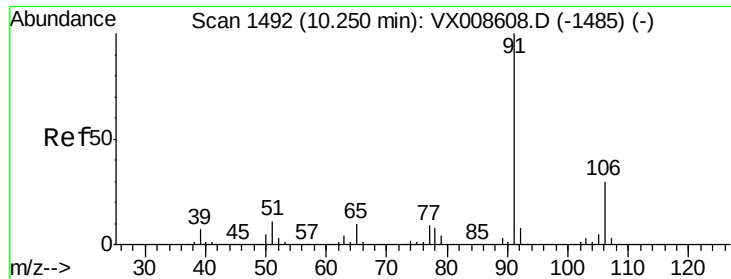
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#65
Chlorobenzene
Concen: 0.321 ug/l
RT: 10.14 min Scan# 1474
Delta R.T. -0.00 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Tgt Ion	Ratio	Resp	Lower	Upper
112	100	2122		
114	34.3	25.8	38.8	





#67

Ethyl Benzene

Concen: 15.990 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. -0.00 min

Lab File: VX008690.D

Acq: 05 Apr 2019 18:33

Instrument :

MSVOA_X

ClientSampled :

S8-0712DL

Tgt Ion: 91 Resp: 197035

Ion Ratio Lower Upper

91 100

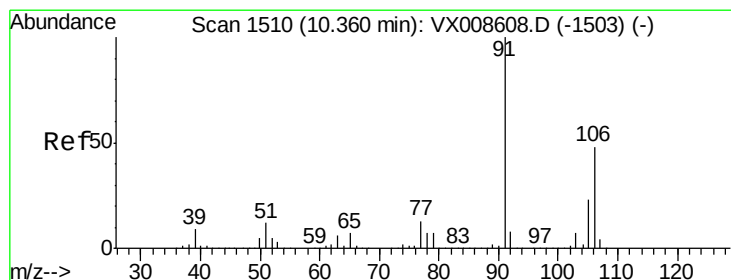
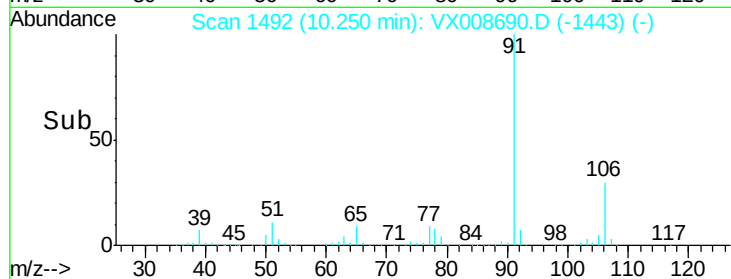
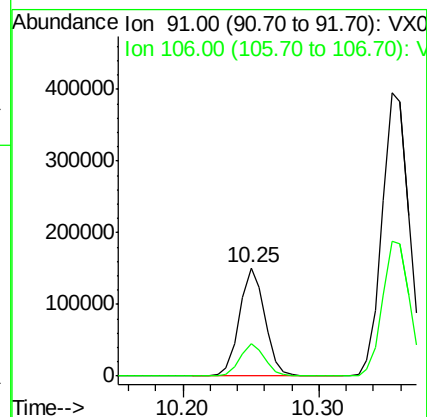
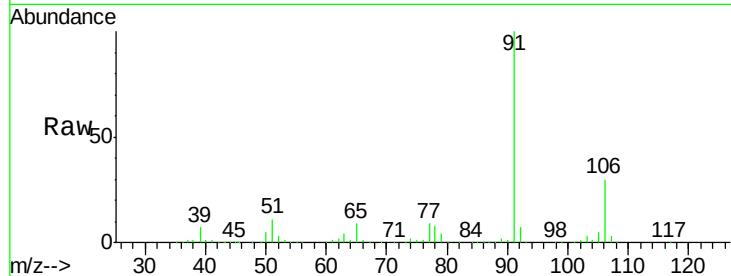
106 30.0 23.7 35.5

Manual Integrations

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#68

m/p-Xylenes

Concen: 59.134 ug/l

RT: 10.35 min Scan# 1509

Delta R.T. -0.01 min

Lab File: VX008690.D

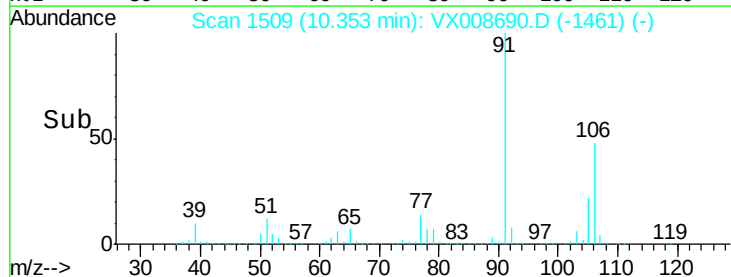
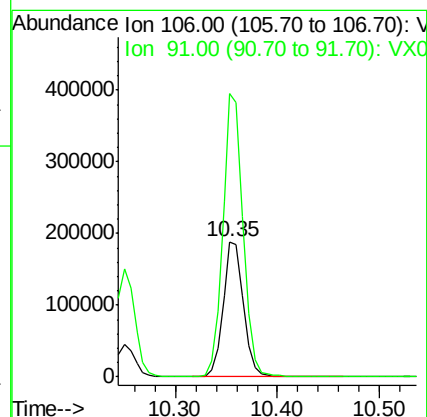
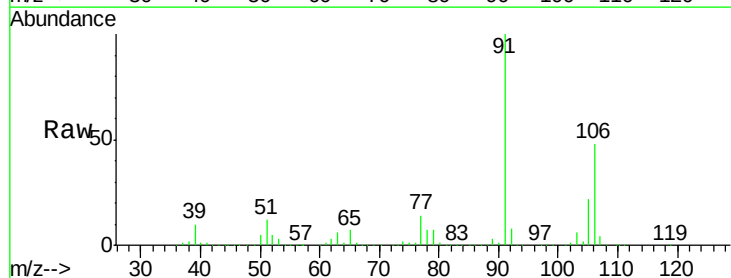
Acq: 05 Apr 2019 18:33

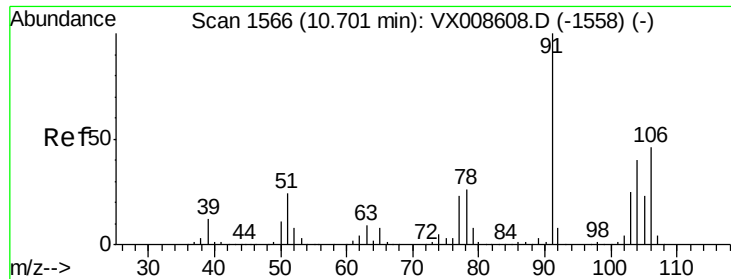
Tgt Ion: 106 Resp: 262000

Ion Ratio Lower Upper

106 100

91 208.6 168.5 252.7





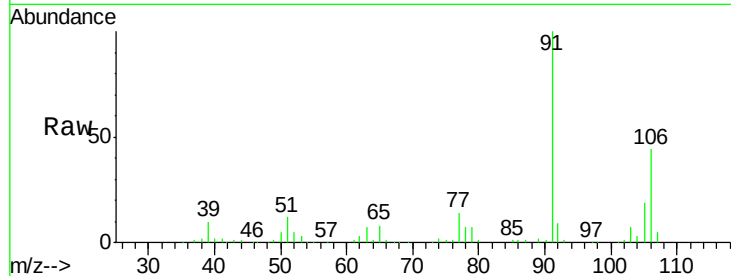
#69
o-Xylene
Concen: 3.315 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. -0.01 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Instrument :
MSVOA_X
ClientSampled :
S8-0712DL

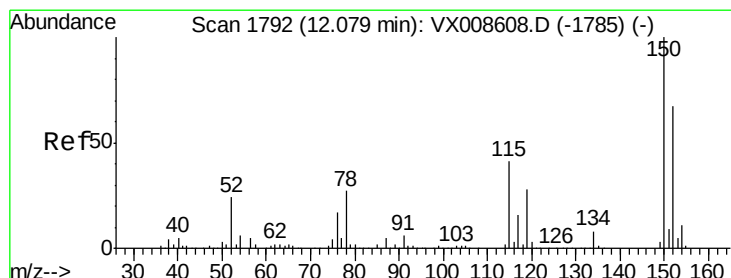
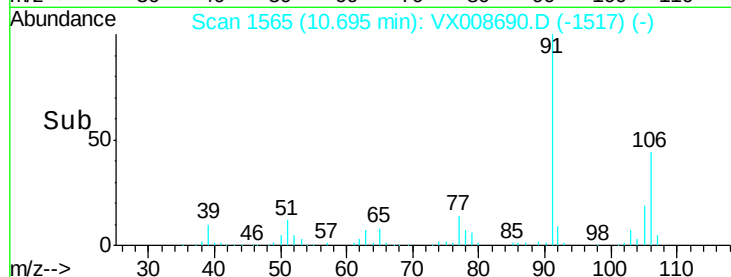
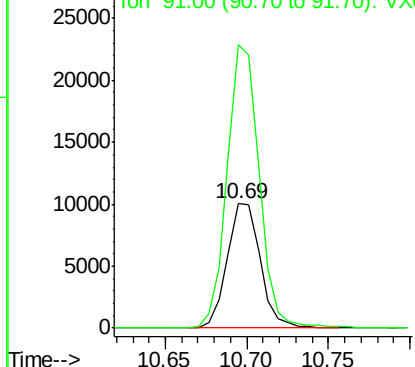
Tgt Ion:106 Resp: 14233
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.4

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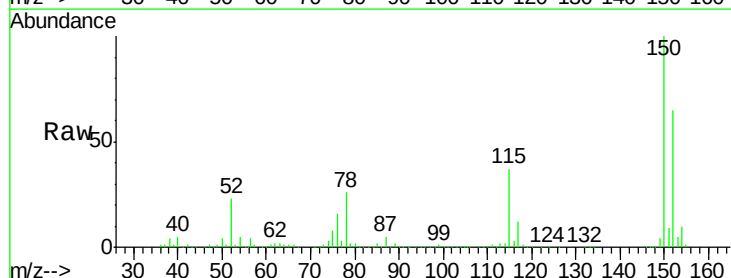


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VX0

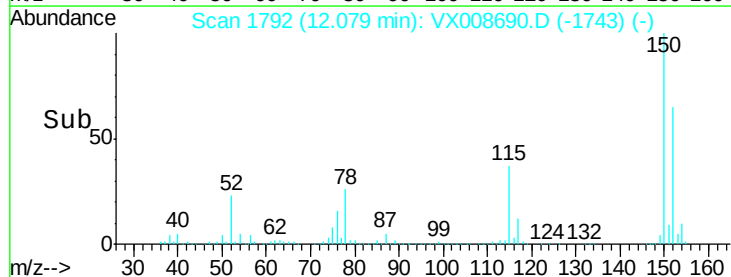
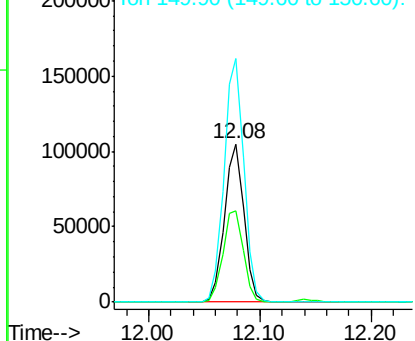


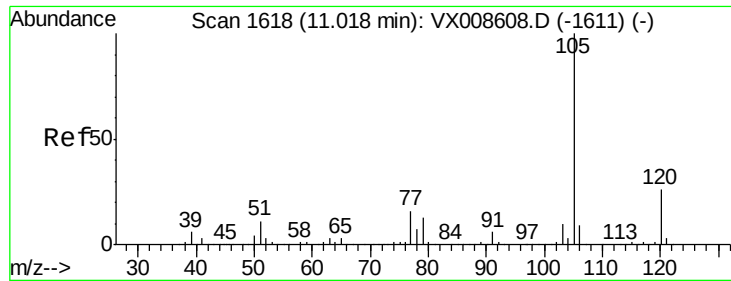
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. -0.00 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Tgt Ion:152 Resp: 126746
Ion Ratio Lower Upper
152 100
115 60.3 43.5 130.5
150 157.0 0.0 348.8



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





#73

Isopropylbenzene

Concen: 2.235 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. -0.00 min

Lab File: VX008690.D

Acq: 05 Apr 2019 18:33

Instrument :

MSVOA_X

ClientSampleId :

S8-0712DL

Tgt Ion: 105 Resp: 23472

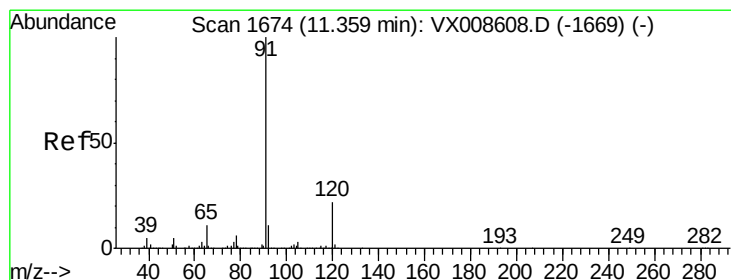
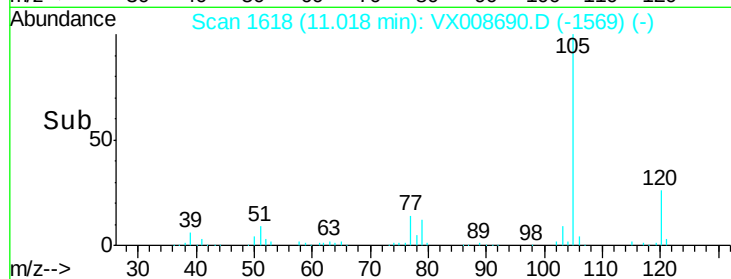
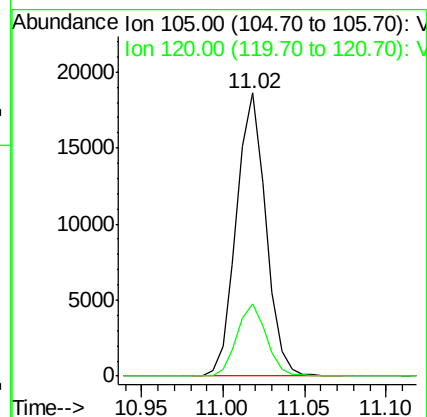
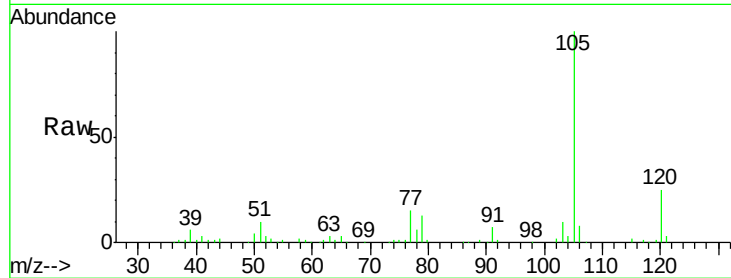
Ion Ratio Lower Upper

105 100

120 25.4 12.9 38.6

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#78

n-propylbenzene

Concen: 2.097 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. -0.00 min

Lab File: VX008690.D

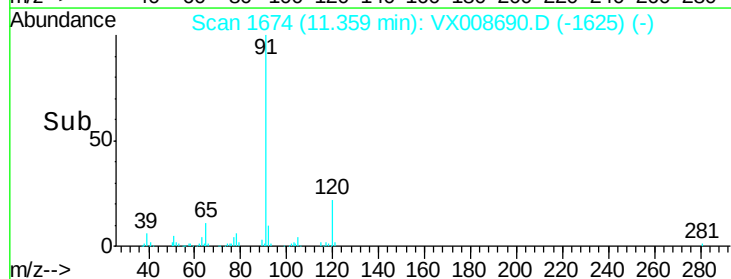
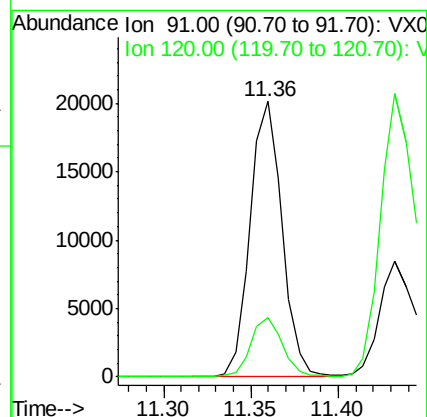
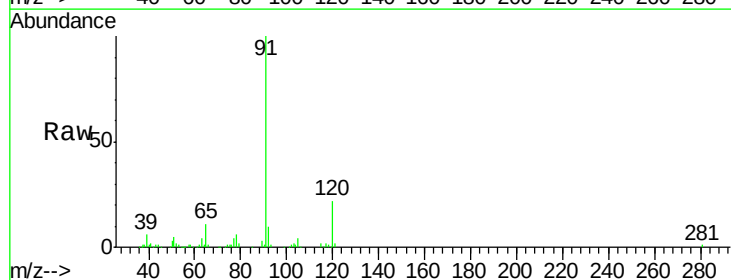
Acq: 05 Apr 2019 18:33

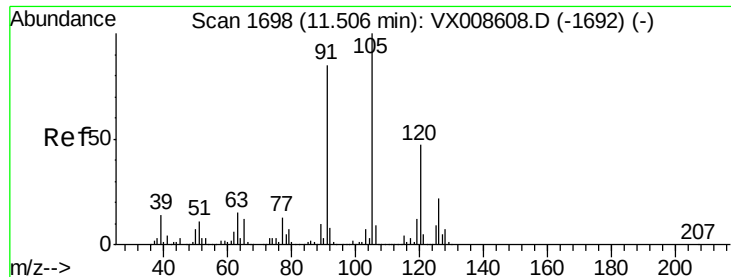
Tgt Ion: 91 Resp: 25646

Ion Ratio Lower Upper

91 100

120 21.4 10.9 32.7





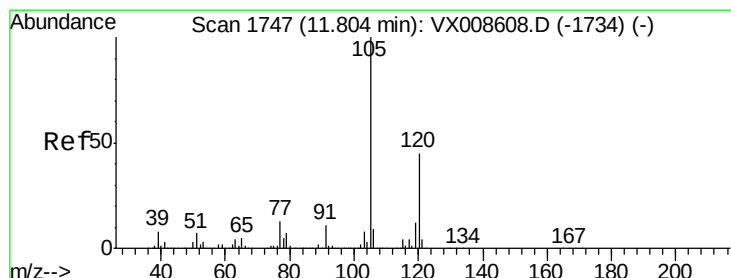
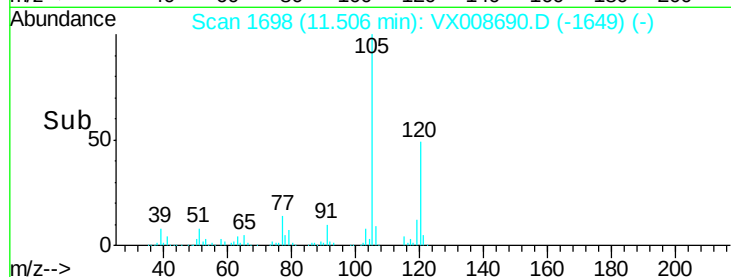
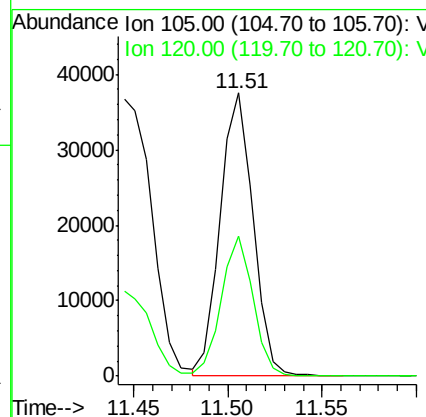
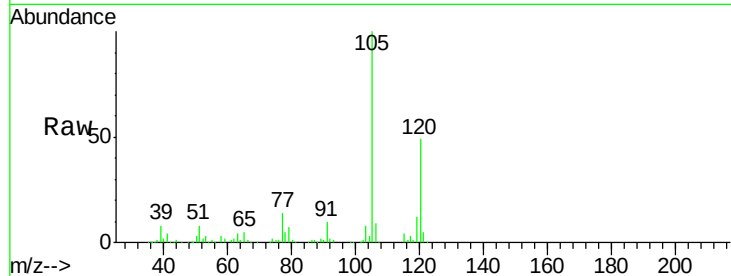
#80
 1,3,5-Trimethylbenzene
 Concen: 5.123 ug/l
 RT: 11.51 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712DL

Tgt Ion:105 Resp: 45167
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.5 70.6

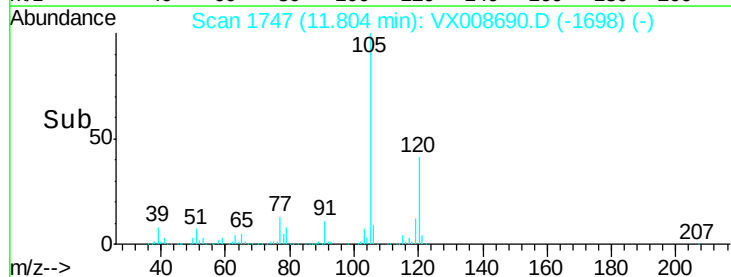
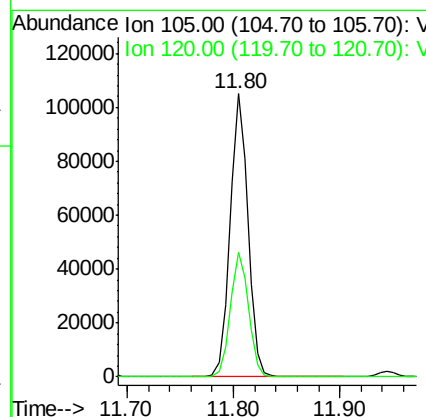
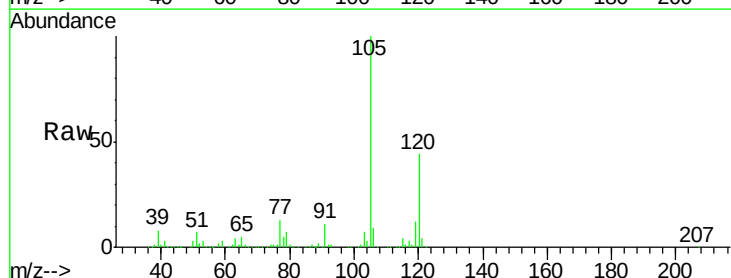
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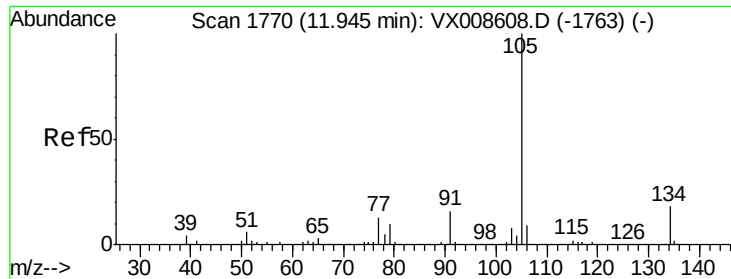
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#84
 1,2,4-Trimethylbenzene
 Concen: 13.881 ug/l
 RT: 11.80 min Scan# 1747
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Tgt Ion:105 Resp: 123931
 Ion Ratio Lower Upper
 105 100
 120 44.8 21.8 65.3





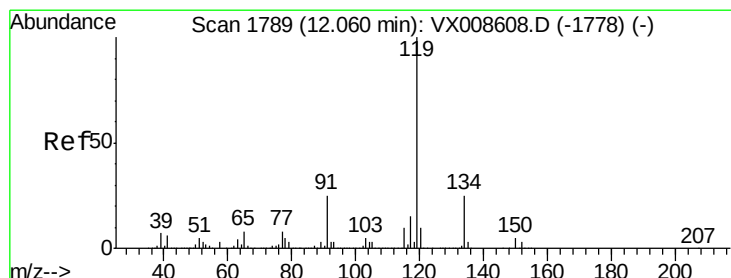
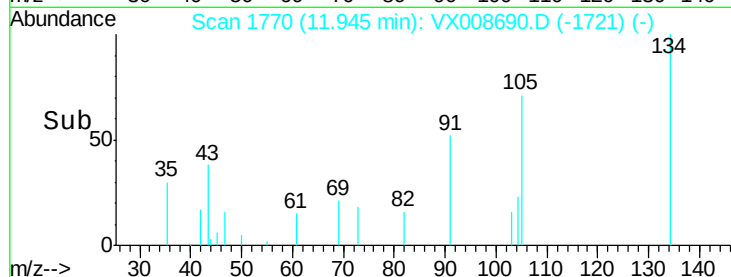
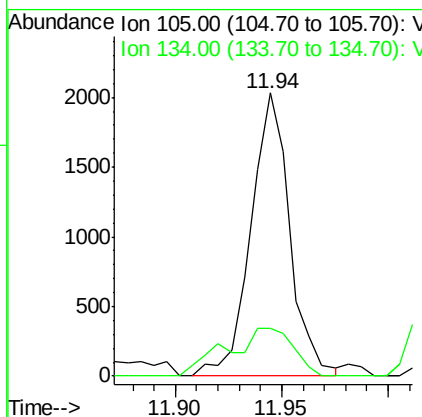
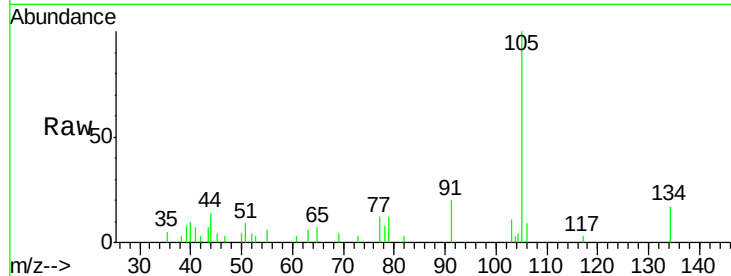
#85
 sec-Butylbenzene
 Concen: 0.260 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

Instrument :
 MSVOA_X
 ClientSampleId :
 S8-0712DL

Tgt Ion:105 Resp: 2615
 Ion Ratio Lower Upper
 105 100
 134 0.0 9.4 28.2#

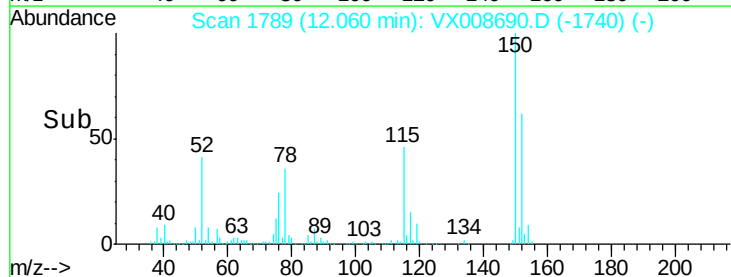
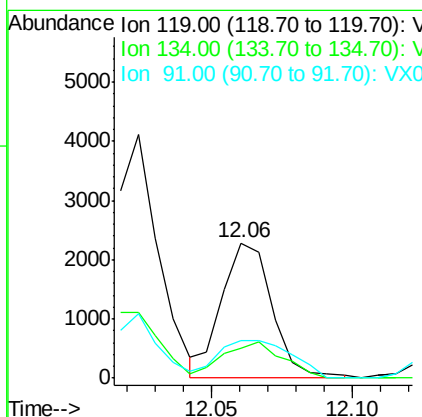
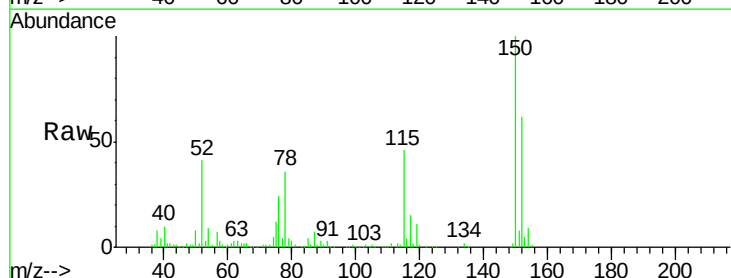
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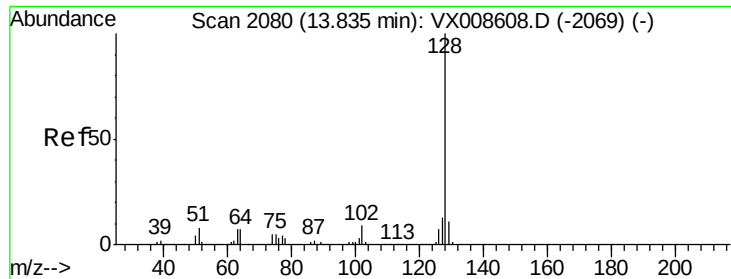
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#86
 p-Isopropyltoluene
 Concen: 0.316 ug/l m
 RT: 12.06 min Scan# 1789
 Delta R.T. -0.00 min
 Lab File: VX008690.D
 Acq: 05 Apr 2019 18:33

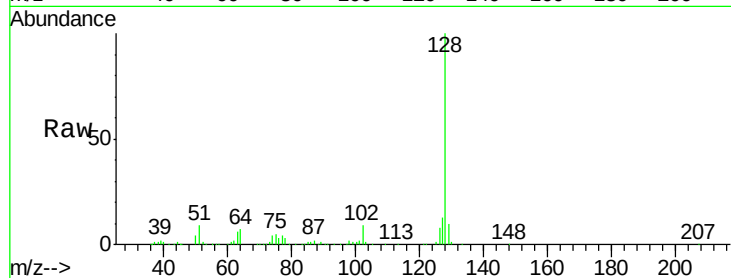
Tgt Ion:119 Resp: 2861
 Ion Ratio Lower Upper
 119 100
 134 48.7 12.8 38.4#
 91 43.1 12.2 36.6#





#95
Naphthalene
Concen: 4.305 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. -0.00 min
Lab File: VX008690.D
Acq: 05 Apr 2019 18:33

Instrument :
MSVOA_X
ClientSampleId :
S8-0712DL



Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	11.1	8.6	13.0

Manual Integrations
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