

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080918\
 Data File : VX003950.D
 Acq On : 09 Aug 2018 15:03
 Operator : JC/MD
 Sample : J4387-09
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 FL-0559

Manual Integrations
 APPROVED

MMDadoda
 8/10/2018 10:56:27 AM

Quant Time: Aug 20 01:16:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 07 07:45:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.67	168	349417	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.87	114	529456	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.12	117	502242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	290752	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.07	65	218783	47.23	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.46%	
35) Dibromofluoromethane	5.51	113	190866	47.58	ug/l	0.00
Spiked Amount 50.000			Recovery	=	95.16%	
50) Toluene-d8	8.72	98	749532	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
62) 4-Bromofluorobenzene	11.14	95	278052	55.09	ug/l	0.00
Spiked Amount 50.000			Recovery	=	110.18%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.32	50	31184	6.473	ug/l #	52
16) Acetone	2.45	43	6558	2.380	ug/l	94
25) 2-Butanone	4.71	43	5140	1.241	ug/l	99
31) Cyclohexane	5.57	56	376181	56.350	ug/l	99
39) Methylcyclohexane	7.46	83	764277	109.315	ug/l	98
52) Toluene	8.79	92	46518	4.135	ug/l	98
67) Ethyl Benzene	10.26	91	8524932	398.500	ug/l	92
68) m/p-Xylenes	10.37	106	7333819	877.359	ug/l	80
69) o-Xylene	10.71	106	5815496	737.000	ug/l	87
73) Isopropylbenzene	11.02	105	1174600	54.611	ug/l	96
78) n-propylbenzene	11.36	91	1541079	63.806	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	1996091	113.812	ug/l	98
83) tert-Butylbenzene	11.77	119	9986m	0.579	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	7001003	396.998	ug/l	92
85) sec-Butylbenzene	11.94	105	158999m	7.809	ug/l	
86) p-Isopropyltoluene	12.07	119	146688	8.028	ug/l	99
95) Naphthalene	13.83	128	1313499	60.652	ug/l	100

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

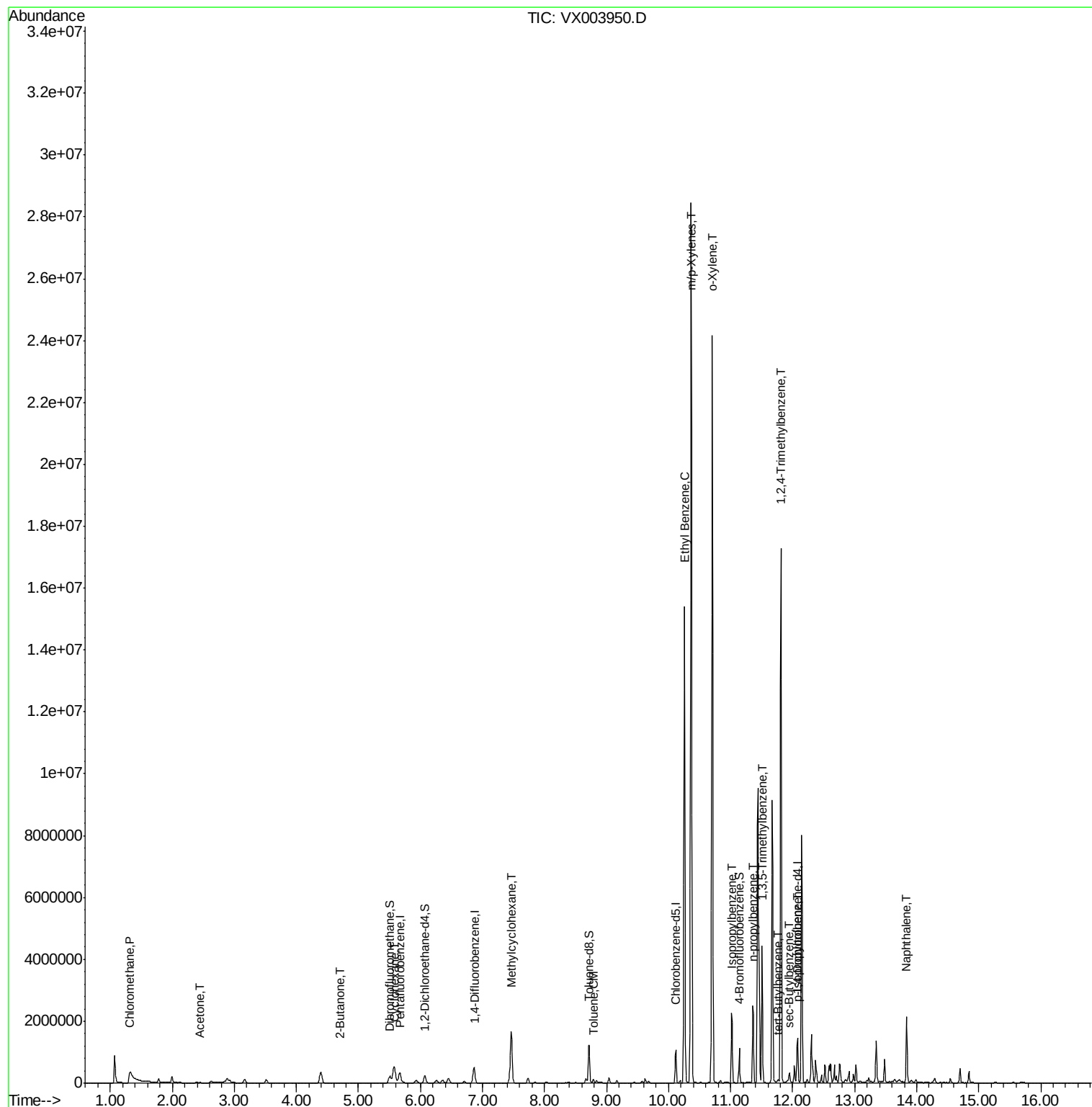
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX080918\
Data File : VX003950.D
Acq On : 09 Aug 2018 15:03
Operator : JC/MD
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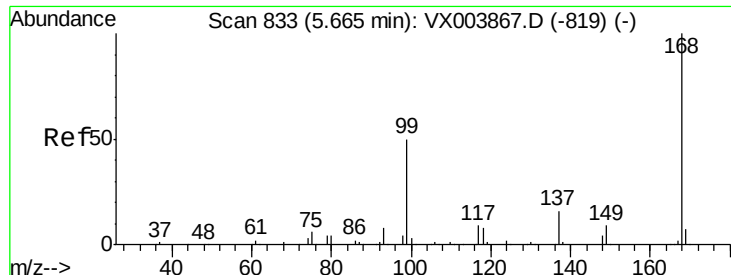
Instrument :
MSVOA_X
ClientSampleId :
FL-0559

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Quant Time: Aug 20 01:16:07 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X080618W.M
Quant Title : SW846 8260
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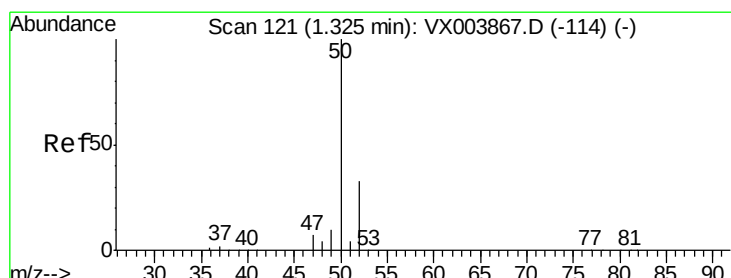
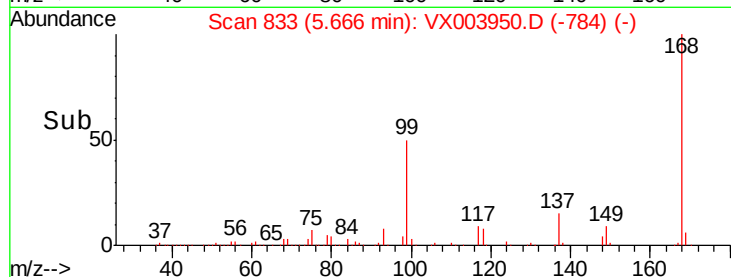
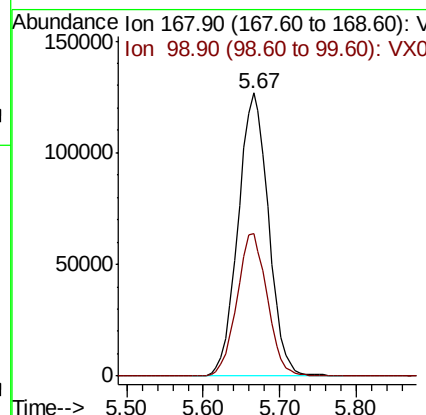
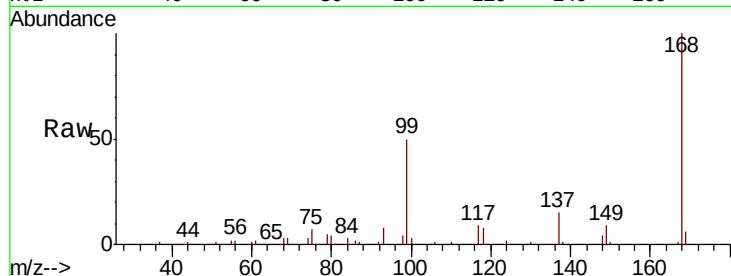
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.67 min Scan# 833
Delta R.T. 0.00 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0559

Tgt Ion: 168 Resp: 349417
Ion Ratio Lower Upper
168 100
99 50.3 40.1 60.1

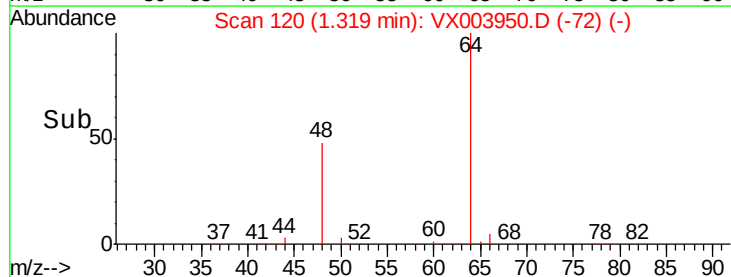
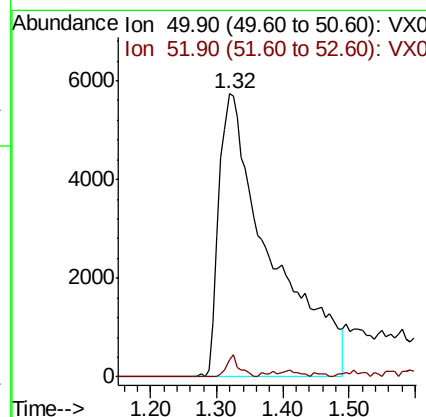
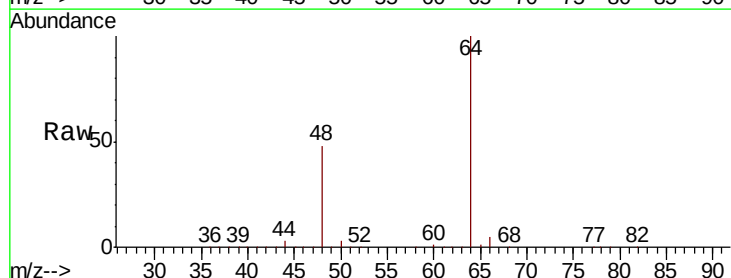
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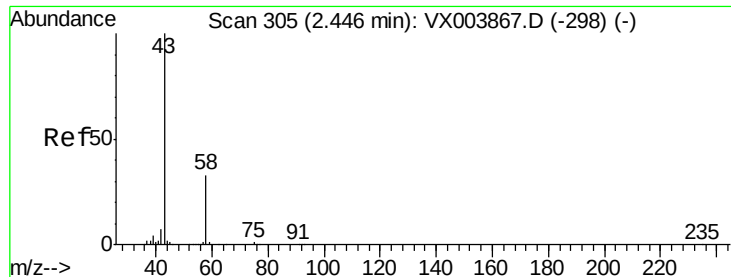
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#3
Chloromethane
Concen: 6.473 ug/l
RT: 1.32 min Scan# 120
Delta R.T. -0.01 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Tgt Ion: 50 Resp: 31184
Ion Ratio Lower Upper
50 100
52 6.0 26.6 39.8#





#16

Acetone

Concen: 2.380 ug/l

RT: 2.45 min Scan# 305

Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

Instrument :

MSVOA_X

ClientSampled :

FL-0559

Tgt Ion: 43 Resp: 6558

Ion Ratio Lower Upper

43 100

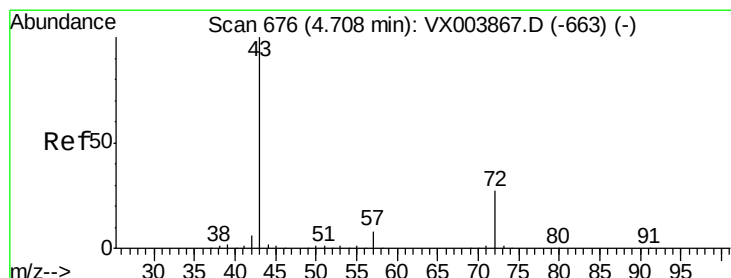
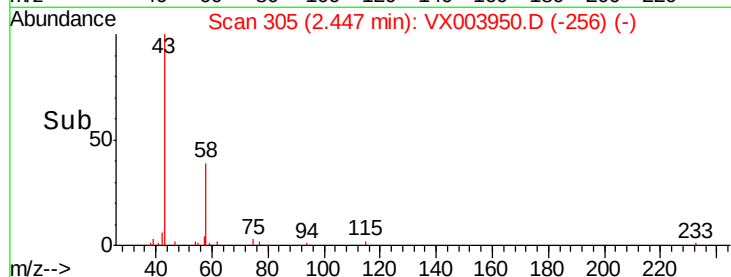
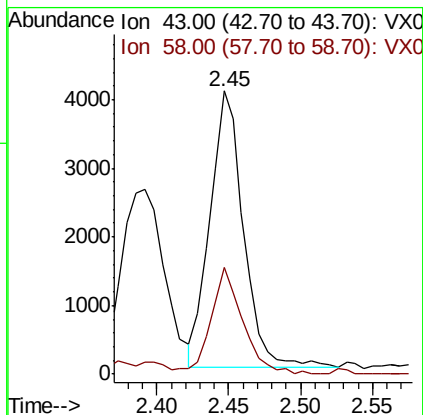
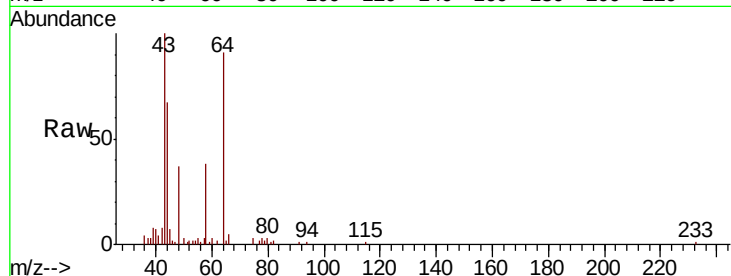
58 36.6 26.4 39.6

Manual Integrations

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#25

2-Butanone

Concen: 1.241 ug/l

RT: 4.71 min Scan# 676

Delta R.T. 0.00 min

Lab File: VX003950.D

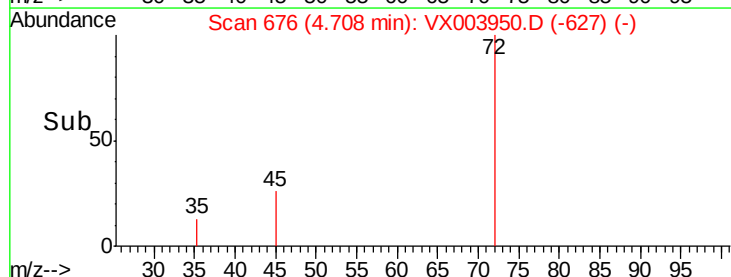
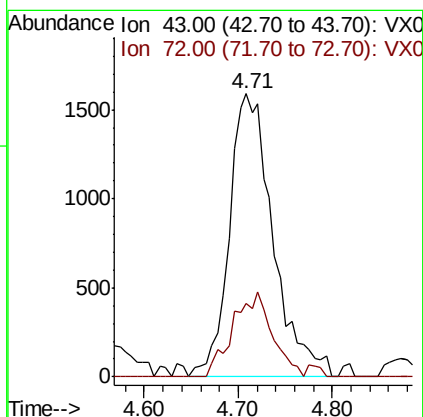
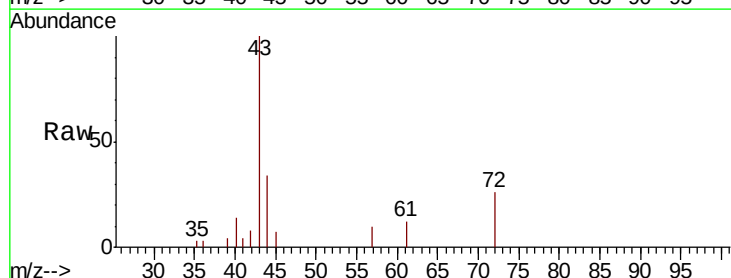
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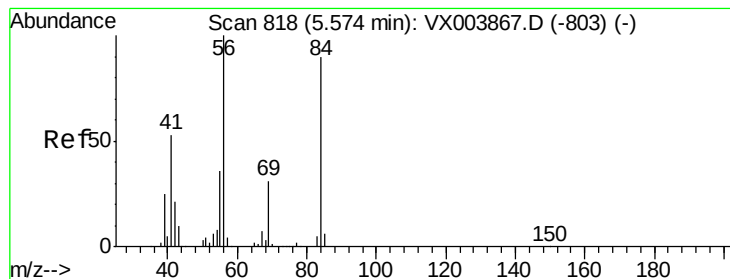
Tgt Ion: 43 Resp: 5140

Ion Ratio Lower Upper

43 100

72 26.1 21.4 32.0





#31

Cyclohexane

Concen: 56.350 ug/l

RT: 5.57 min Scan# 818

Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

Instrument :

MSVOA_X

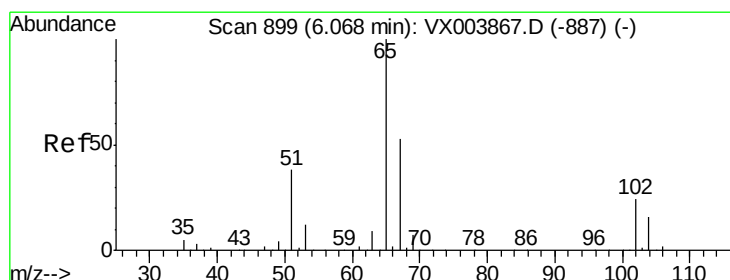
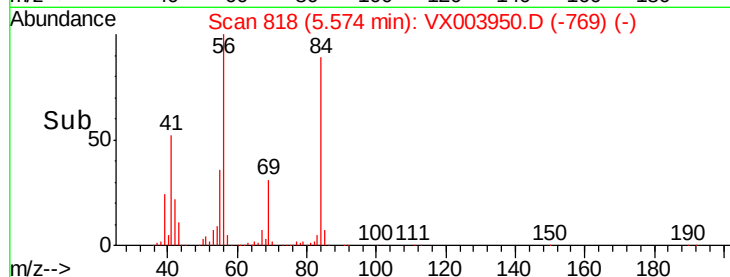
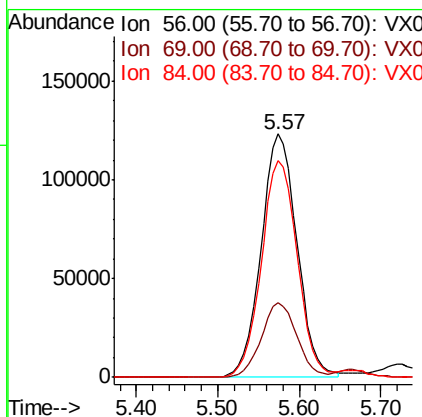
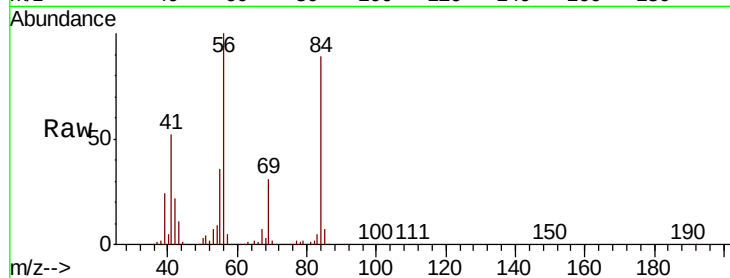
ClientSampled :

FL-0559

Tgt Ion:	56	Resp:	376181
Ion Ratio	Lower	Upper	
56	100		
69	30.8	24.9	37.3
84	89.1	71.7	107.5

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#33

1,2-Dichloroethane-d4

Concen: 47.235 ug/l

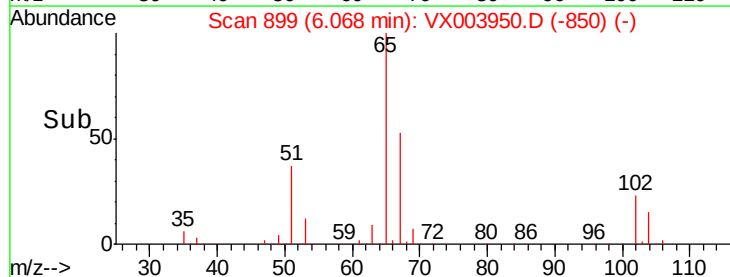
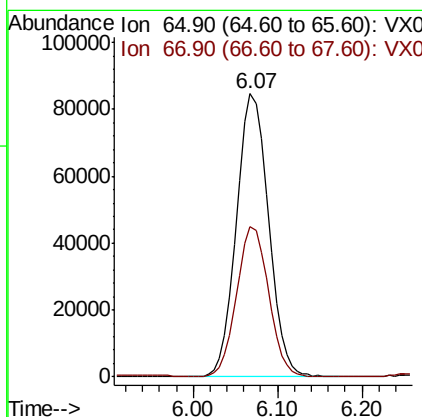
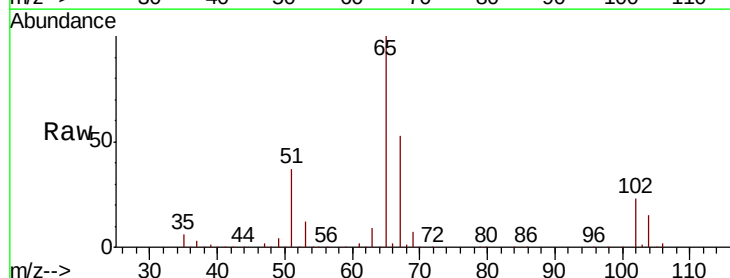
RT: 6.07 min Scan# 899

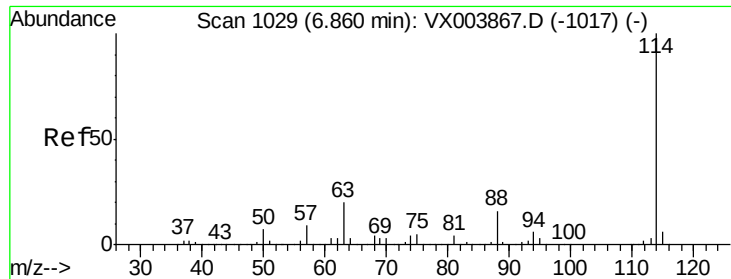
Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

Tgt Ion:	65	Resp:	218783
Ion Ratio	Lower	Upper	
65	100		
67	53.0	0.0	105.8





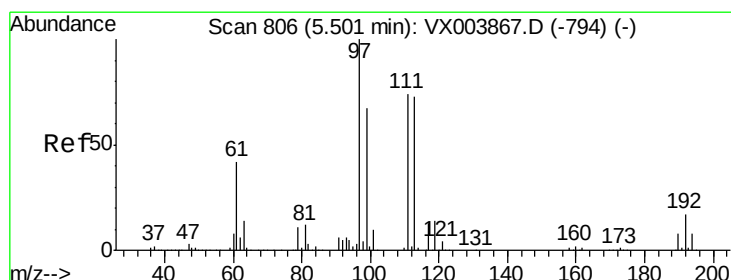
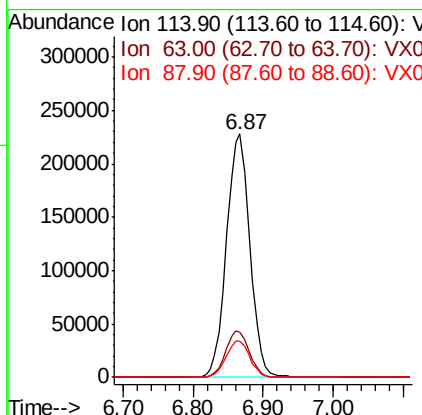
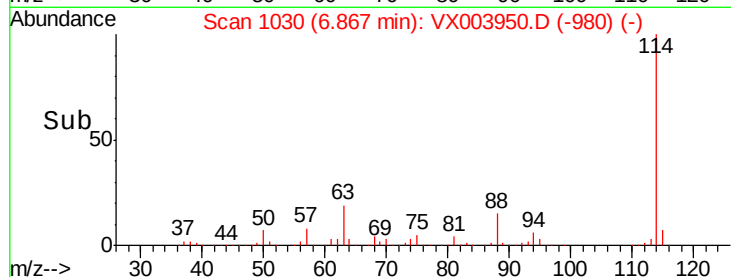
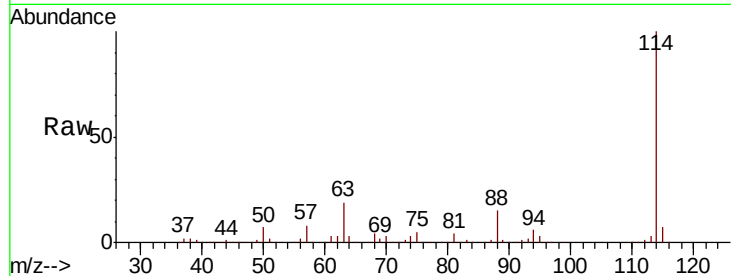
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.87 min Scan# 1030
Delta R.T. 0.01 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0559

Tgt Ion	Ratio	Resp Lower	Resp Upper
114	100		
63	18.6	0.0	39.0
88	14.7	0.0	32.0

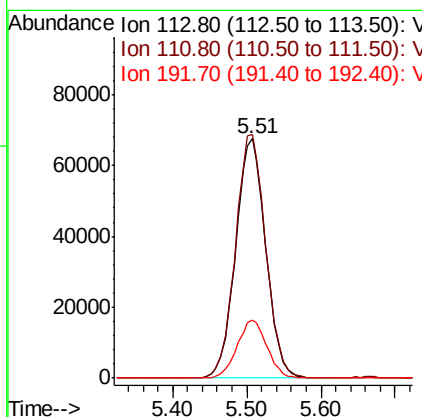
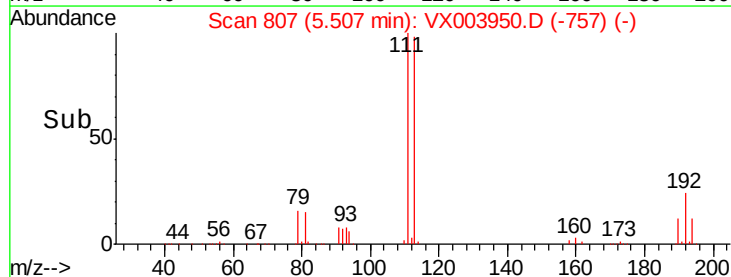
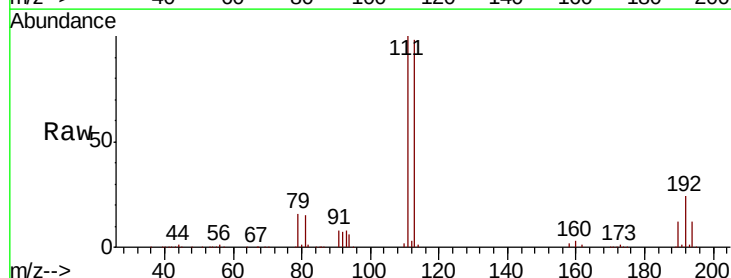
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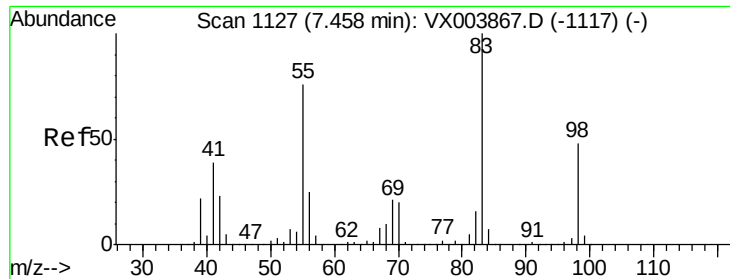
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#35
Dibromofluoromethane
Concen: 47.585 ug/l
RT: 5.51 min Scan# 807
Delta R.T. 0.01 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Tgt Ion	Ratio	Resp Lower	Resp Upper
113	100		
111	102.3	82.0	123.0
192	24.0	19.0	28.4





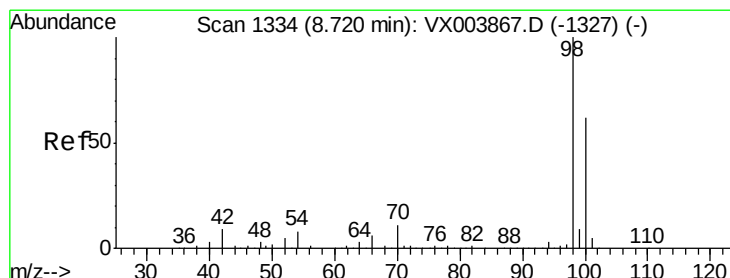
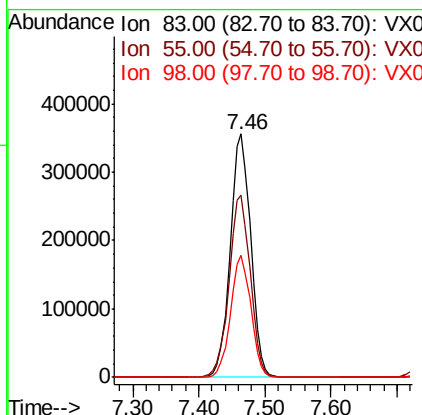
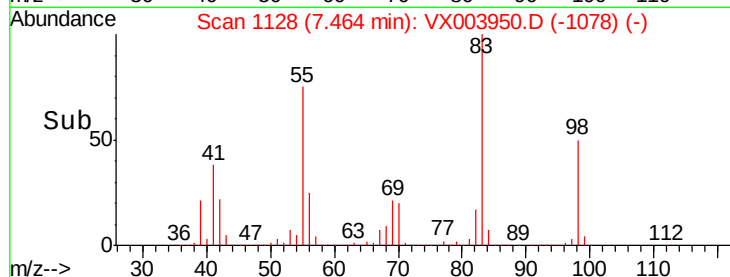
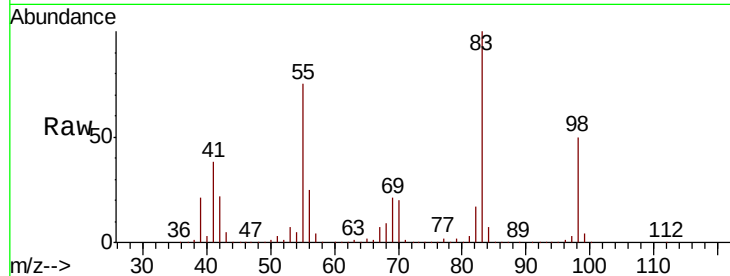
#39
Methylcyclohexane
Concen: 109.315 ug/l
RT: 7.46 min Scan# 1128
Delta R.T. 0.01 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0559

Tgt Ion	Ratio	Lower	Upper
83	100		
55	74.7	61.0	91.6
98	49.9	38.6	57.8

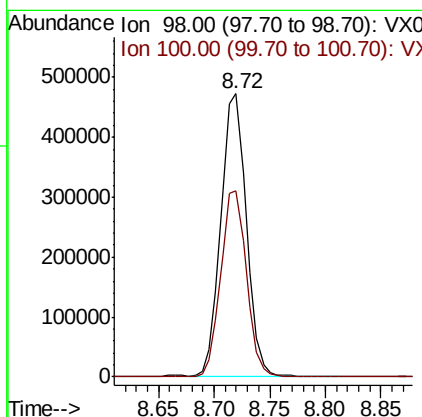
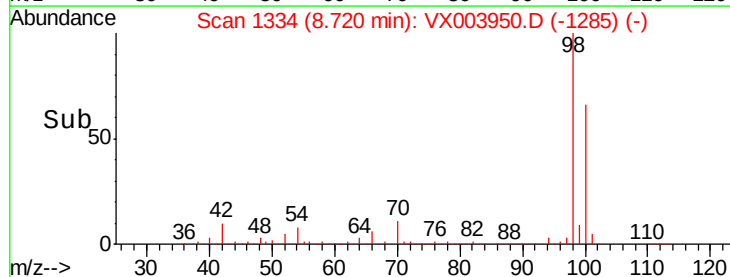
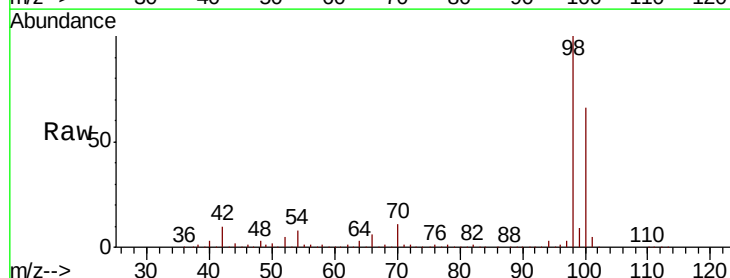
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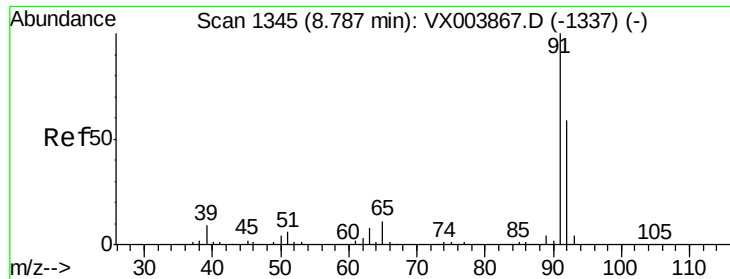
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#50
Toluene-d8
Concen: 48.053 ug/l
RT: 8.72 min Scan# 1334
Delta R.T. 0.00 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Tgt Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.3	79.9





#52

Toluene

Concen: 4.135 ug/l

RT: 8.79 min Scan# 1345

Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

Instrument :

MSVOA_X

ClientSampled :

FL-0559

Tgt Ion: 92 Resp: 46518

Ion Ratio Lower Upper

92 100

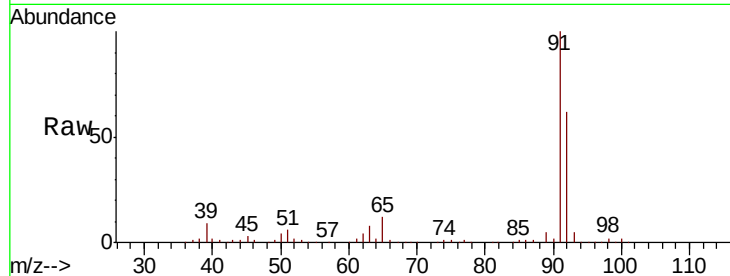
91 167.6 136.1 204.1

Manual Integrations

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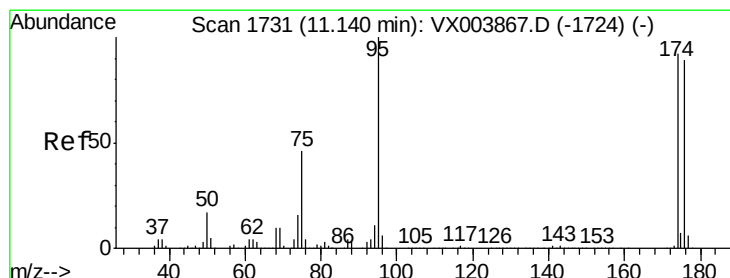
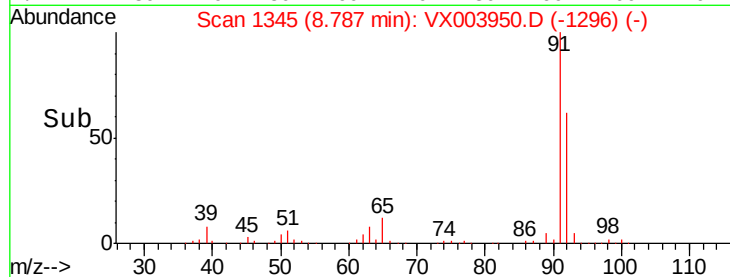
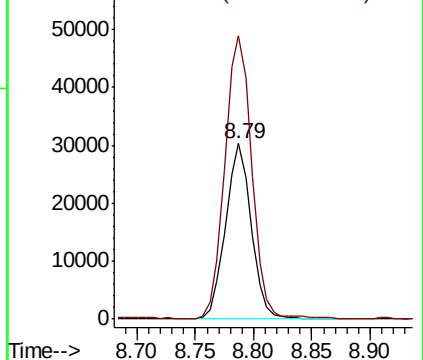
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Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0



#62

4-Bromofluorobenzene

Concen: 55.091 ug/l

RT: 11.14 min Scan# 1731

Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

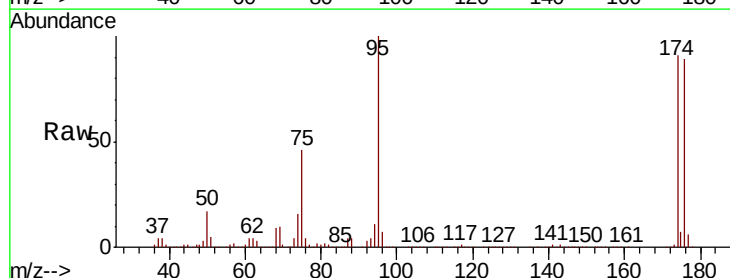
Tgt Ion: 95 Resp: 278052

Ion Ratio Lower Upper

95 100

174 91.3 0.0 182.8

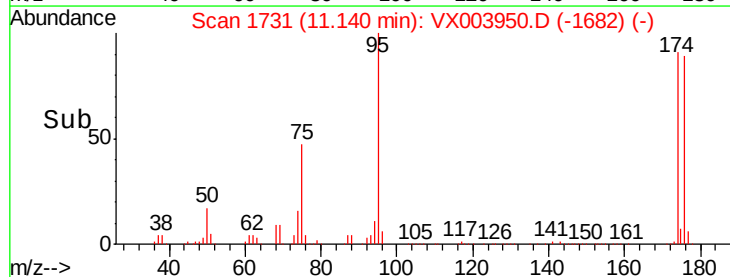
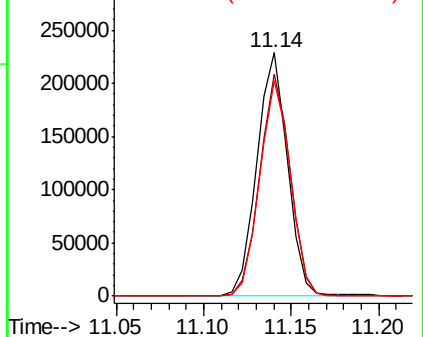
176 88.9 0.0 179.0

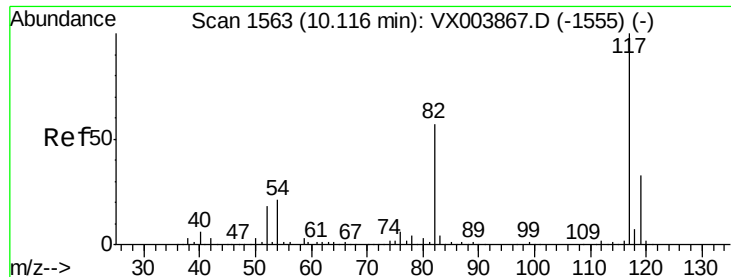


Abundance Ion 94.90 (94.60 to 95.60): VX0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





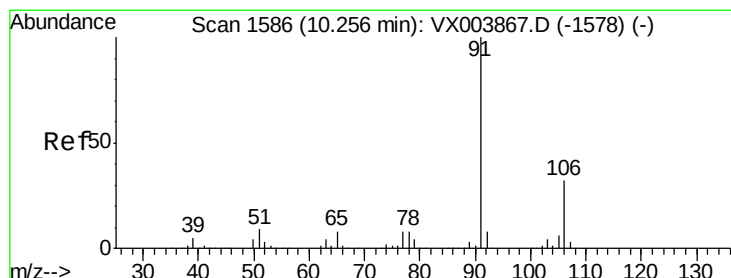
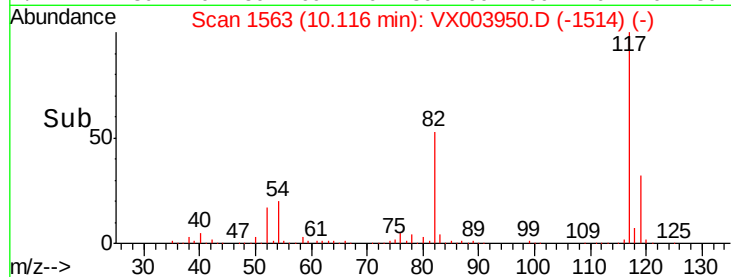
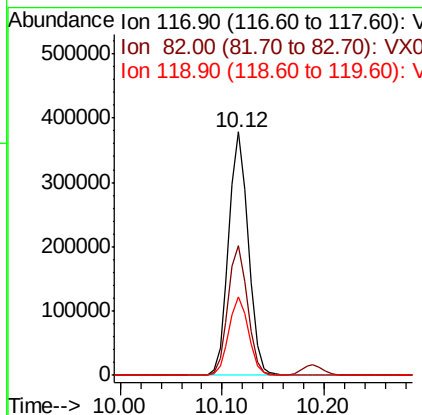
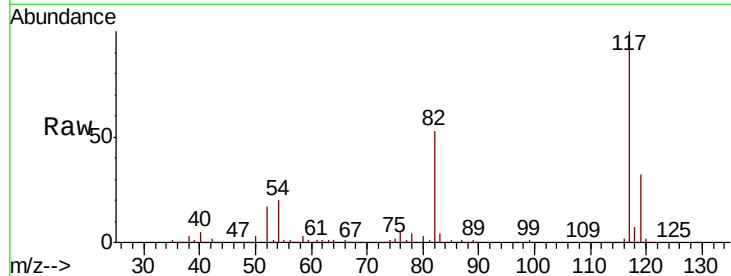
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.12 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Instrument :
MSVOA_X
ClientSampled :
FL-0559

Tgt Ion	Ratio	Lower	Upper
117	100		
82	53.2	45.4	68.0
119	32.2	26.6	40.0

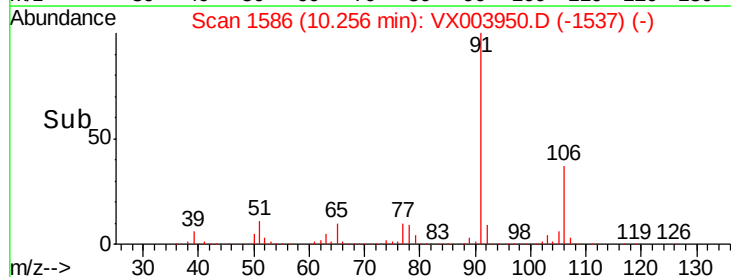
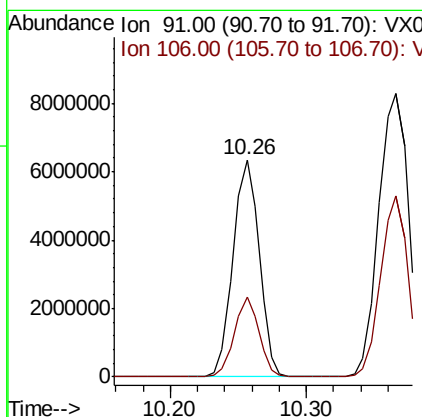
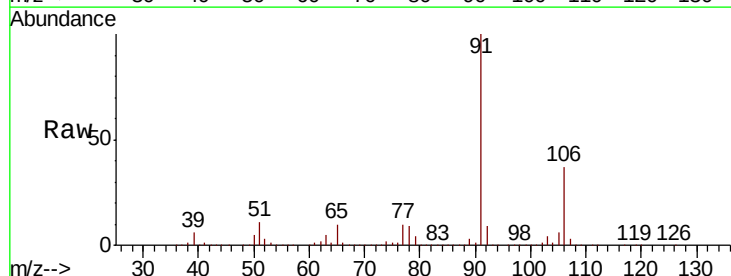
Manual Integrations
APPROVED

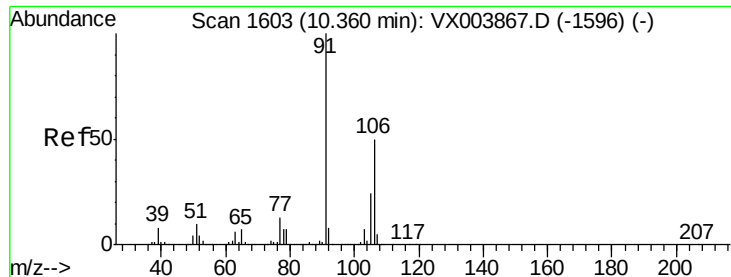
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#67
Ethyl Benzene
Concen: 398.500 ug/l
RT: 10.26 min Scan# 1586
Delta R.T. 0.00 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Tgt Ion	Ratio	Lower	Upper
91	100		
106	36.7	25.9	38.9





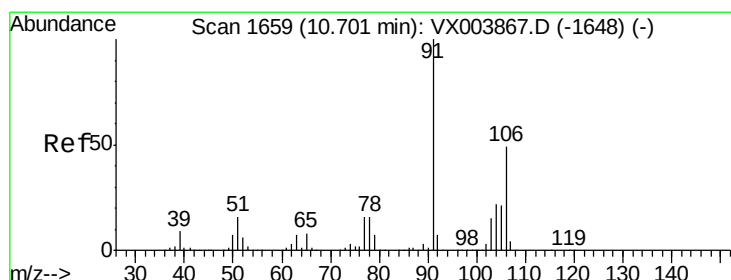
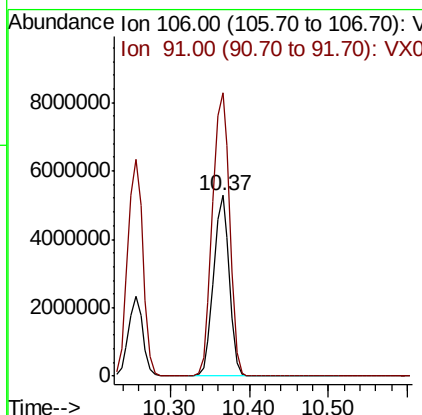
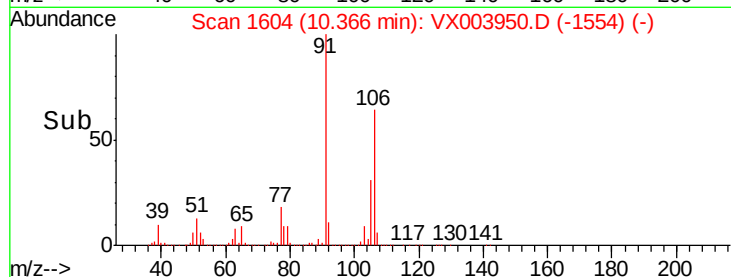
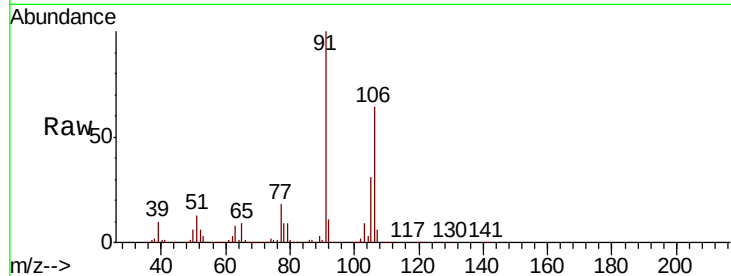
#68
m/p-Xylenes
Concen: 877.359 ug/l
RT: 10.37 min Scan# 1604
Delta R.T. 0.01 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Instrument :
MSVOA_X
ClientSampled :
FL-0559

Tgt Ion:106 Resp: 7333819
Ion Ratio Lower Upper
106 100
91 171.6 162.3 243.5

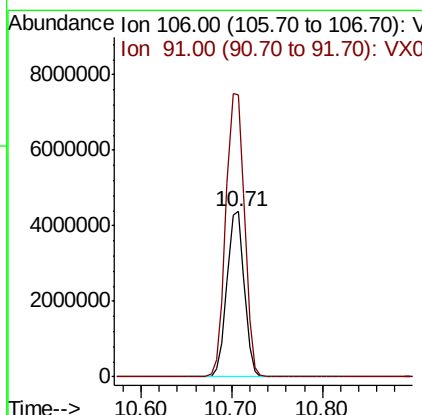
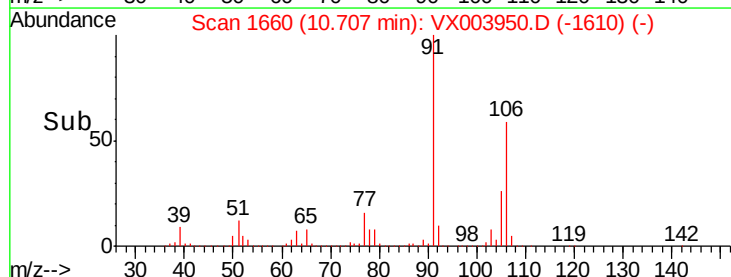
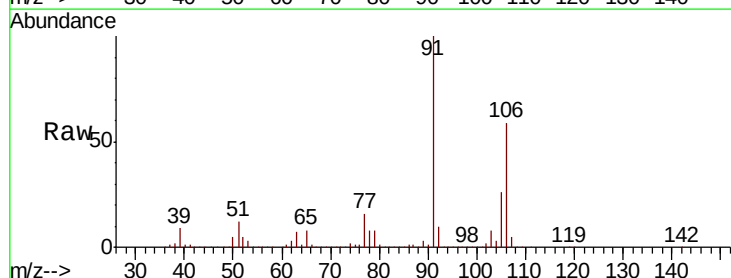
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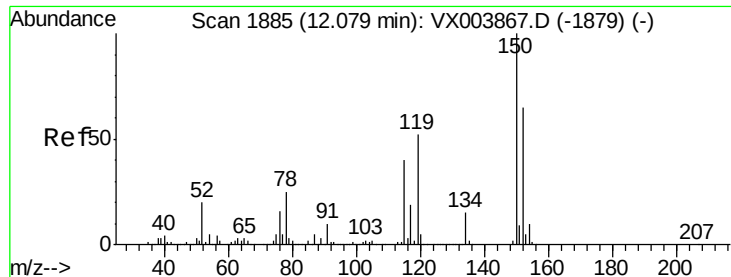
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#69
o-Xylene
Concen: 737.000 ug/l
RT: 10.71 min Scan# 1660
Delta R.T. 0.01 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Tgt Ion:106 Resp: 5815496
Ion Ratio Lower Upper
106 100
91 184.3 101.9 305.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.08 min Scan# 1885

Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

Instrument :

MSVOA_X

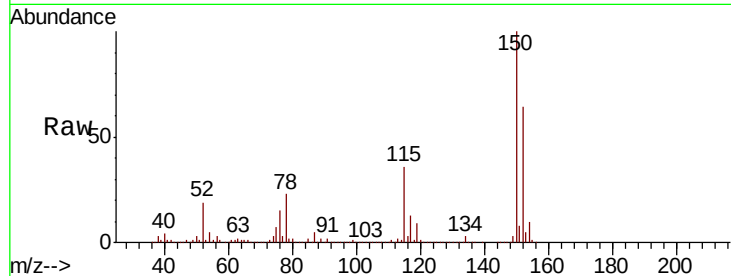
ClientSampled :

FL-0559

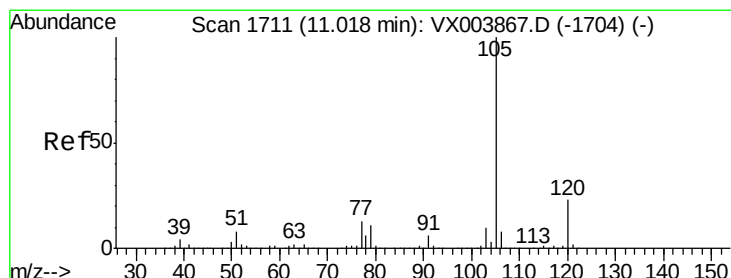
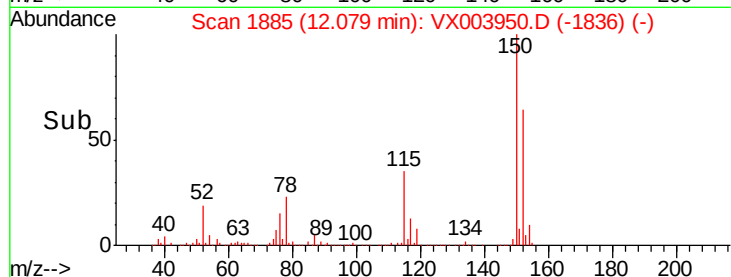
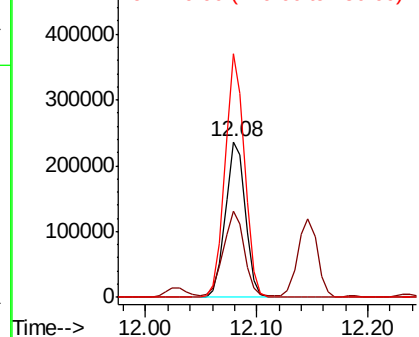
Tgt Ion:	152	Resp:	290752
Ion Ratio	Lower	Upper	
152	100		
115	58.2	39.1	117.3
150	153.6	0.0	349.2

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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



#73

Isopropylbenzene

Concen: 54.611 ug/l

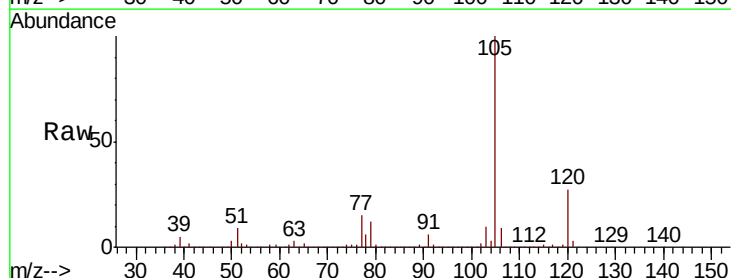
RT: 11.02 min Scan# 1711

Delta R.T. 0.00 min

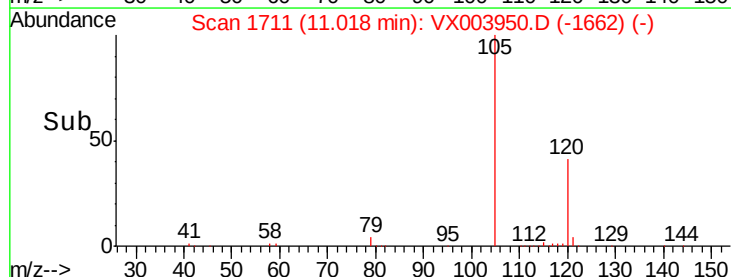
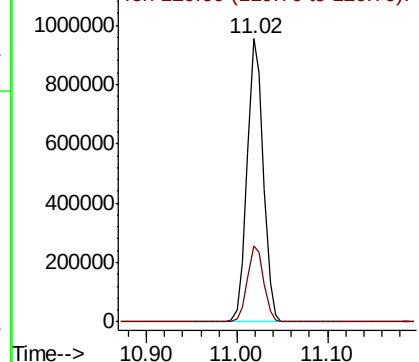
Lab File: VX003950.D

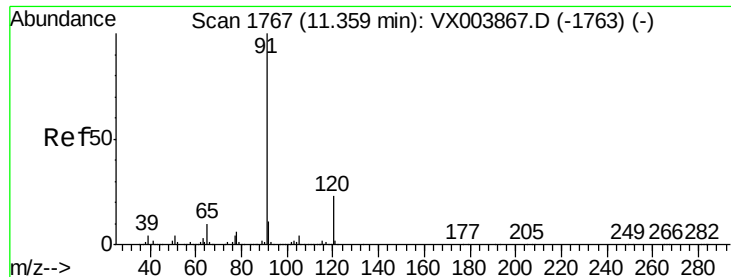
Acq: 09 Aug 2018 15:03

Tgt Ion:	105	Resp:	1174600
Ion Ratio	Lower	Upper	
105	100		
120	27.1	12.6	37.8



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





#78

n-propylbenzene

Concen: 63.806 ug/l

RT: 11.36 min Scan# 1767

Delta R.T. 0.00 min

Lab File: VX003950.D

Acq: 09 Aug 2018 15:03

Instrument :

MSVOA_X

ClientSampled :

FL-0559

Tgt Ion: 91 Resp: 1541079

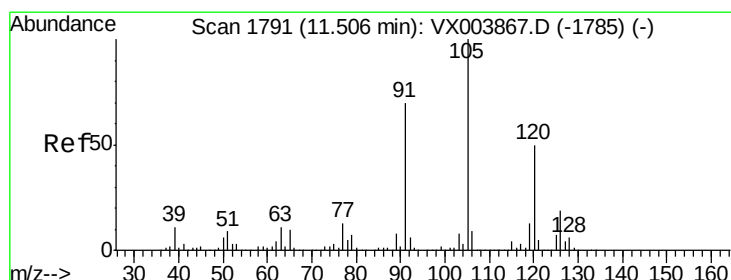
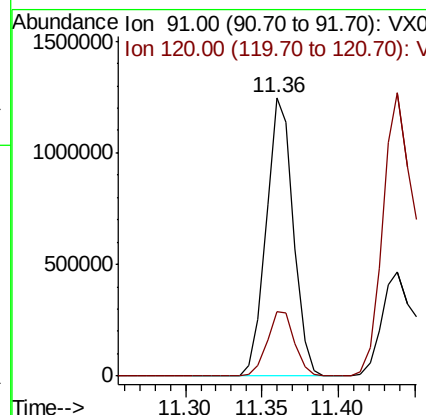
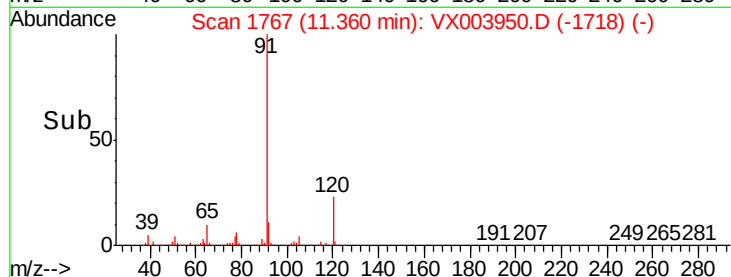
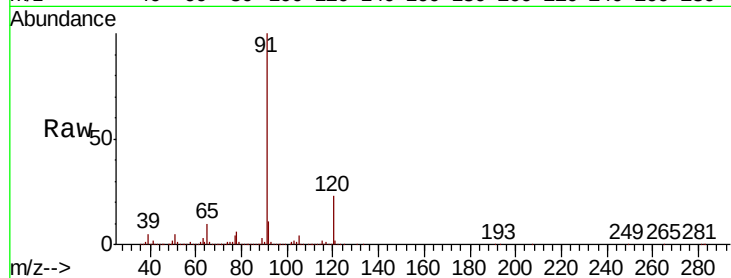
Ion Ratio Lower Upper

91 100

120 23.7 11.9 35.5

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#80

1,3,5-Trimethylbenzene

Concen: 113.812 ug/l

RT: 11.51 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX003950.D

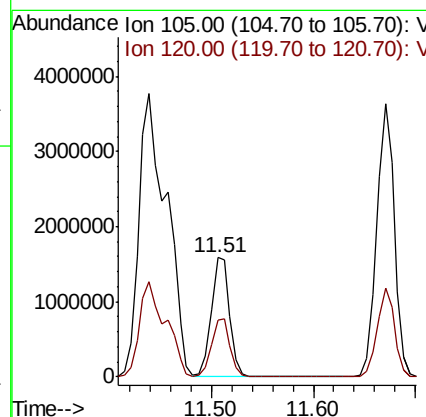
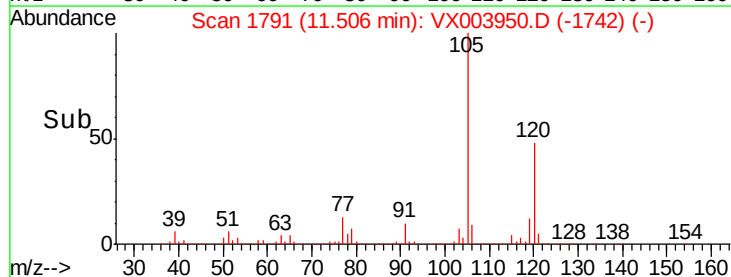
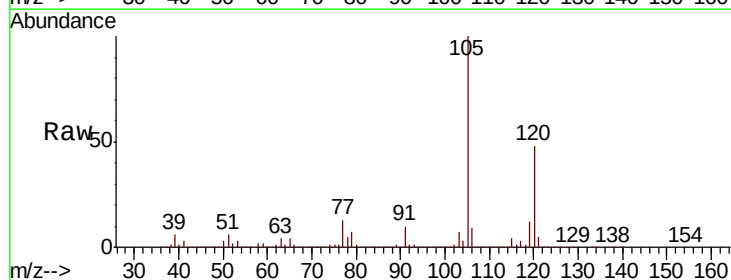
Acq: 09 Aug 2018 15:03

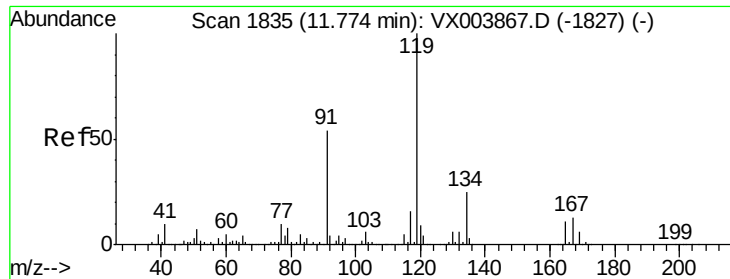
Tgt Ion: 105 Resp: 1996091

Ion Ratio Lower Upper

105 100

120 49.6 25.4 76.2





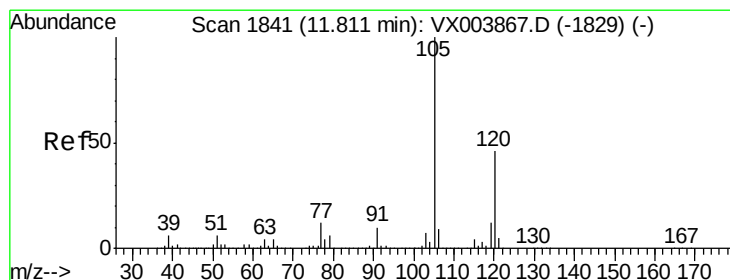
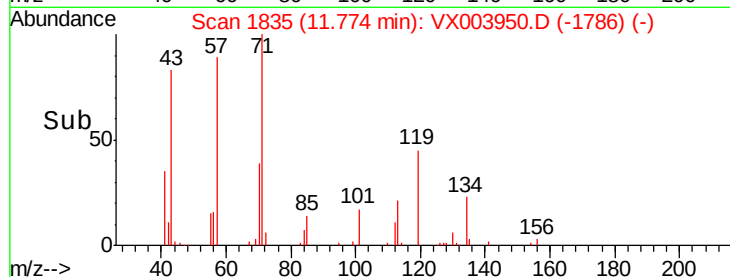
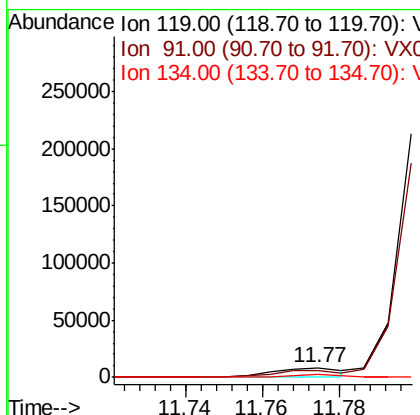
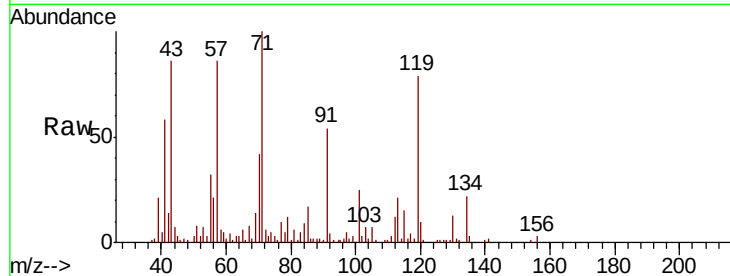
#83
 tert-Butylbenzene
 Concen: 0.579 ug/l m
 RT: 11.77 min Scan# 1835
 Delta R.T. 0.00 min
 Lab File: VX003950.D
 Acq: 09 Aug 2018 15:03

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0559

Tgt Ion:119 Resp: 9986
 Ion Ratio Lower Upper
 119 100
 91 7702.1 26.9 80.7
 134 0.0 12.0 36.0

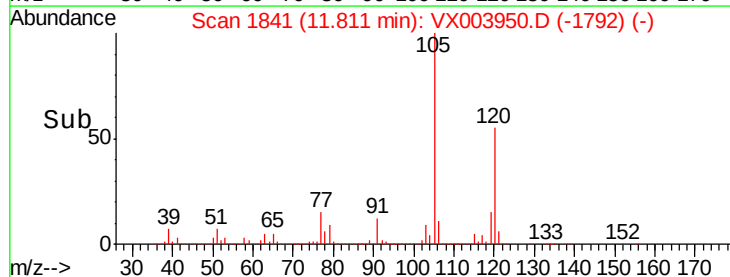
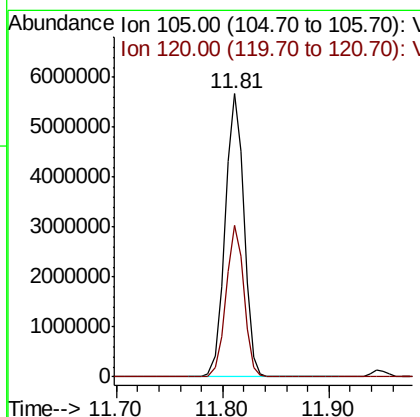
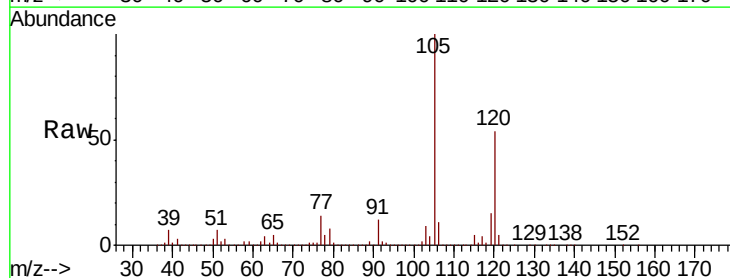
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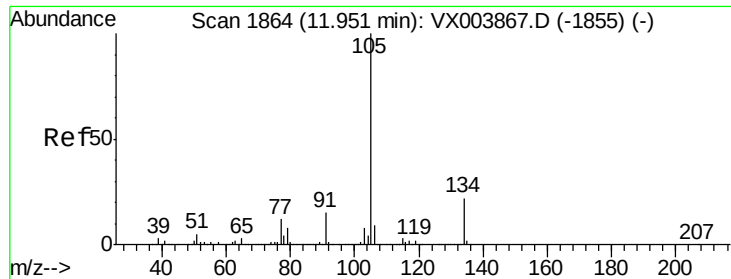
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#84
 1,2,4-Trimethylbenzene
 Concen: 396.998 ug/l
 RT: 11.81 min Scan# 1841
 Delta R.T. 0.00 min
 Lab File: VX003950.D
 Acq: 09 Aug 2018 15:03

Tgt Ion:105 Resp: 7001003
 Ion Ratio Lower Upper
 105 100
 120 51.2 23.1 69.2





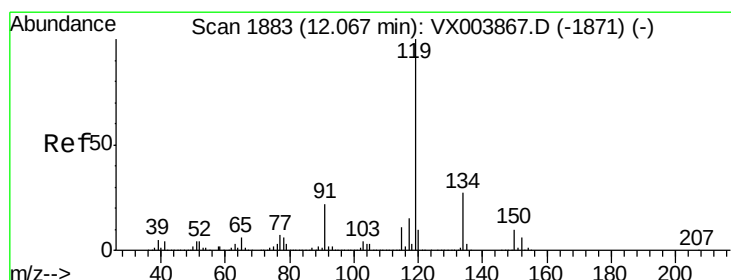
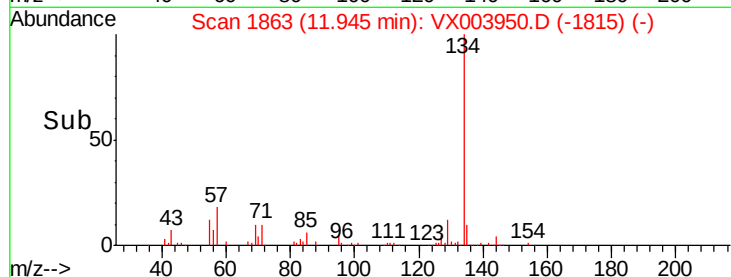
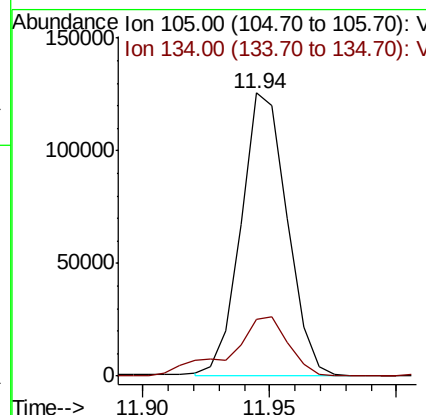
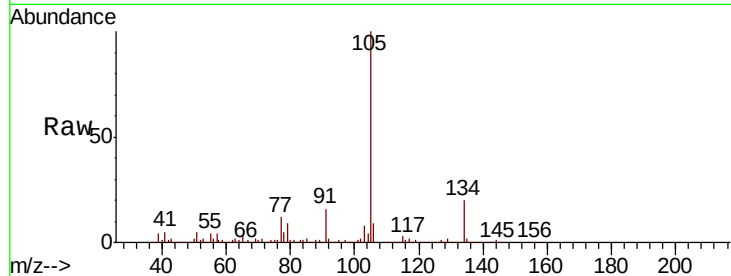
#85
 sec-Butylbenzene
 Concen: 7.809 ug/l m
 RT: 11.94 min Scan# 1863
 Delta R.T. -0.01 min
 Lab File: VX003950.D
 Acq: 09 Aug 2018 15:03

Instrument :
 MSVOA_X
 ClientSampled :
 FL-0559

Tgt Ion:105 Resp: 158999
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.3 30.9#

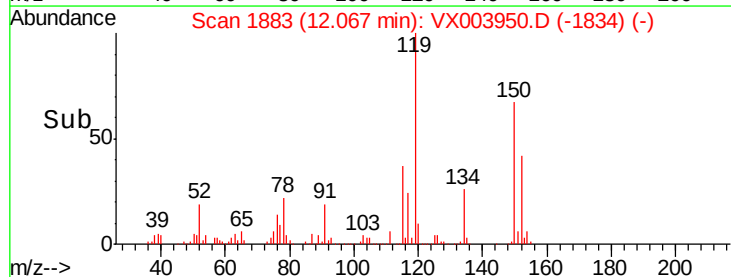
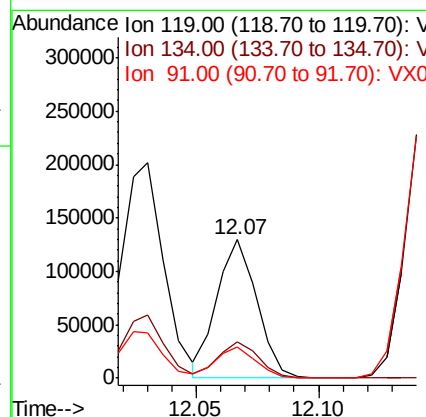
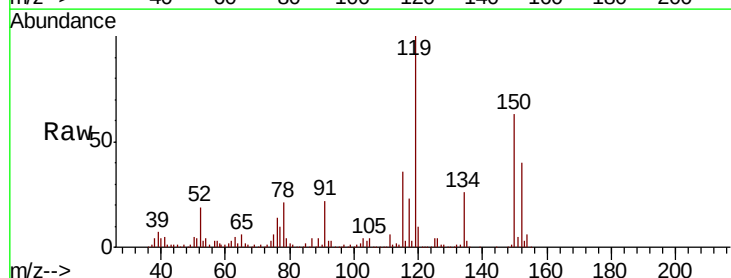
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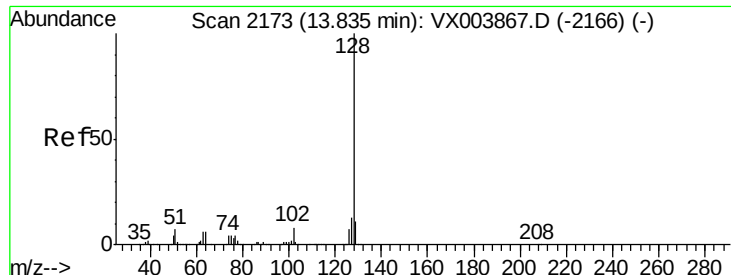
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#86
 p-Isopropyltoluene
 Concen: 8.028 ug/l
 RT: 12.07 min Scan# 1883
 Delta R.T. 0.00 min
 Lab File: VX003950.D
 Acq: 09 Aug 2018 15:03

Tgt Ion:119 Resp: 146688
 Ion Ratio Lower Upper
 119 100
 134 26.3 13.3 39.8
 91 22.4 10.9 32.7





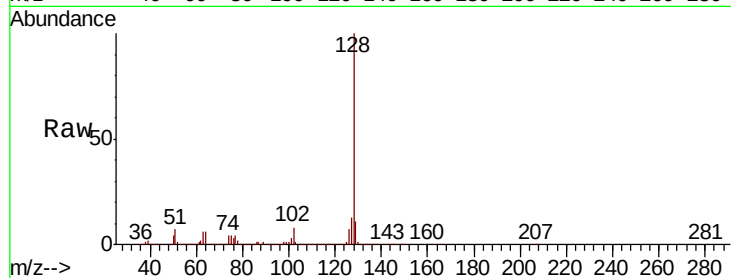
#95
Naphthalene
Concen: 60.652 ug/l
RT: 13.83 min Scan# 2173
Delta R.T. 0.00 min
Lab File: VX003950.D
Acq: 09 Aug 2018 15:03

Instrument :
MSVOA_X
ClientSampleId :
FL-0559

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.2	8.8	13.2

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Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

