

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011583.D
 Acq On : 16 Aug 2019 16:01
 Operator : JC/SP
 Sample : K4368-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0133

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:30:26 AM

Quant Time: Aug 19 03:18:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
 Quant Title : SW846 8260
 QLast Update : Fri Aug 16 04:15:26 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.66	168	467098	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	626972	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	562678	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	282838	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	6.06	65	216310	49.94	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.88%	
35) Dibromofluoromethane	5.49	113	185286	45.18	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.36%	
50) Toluene-d8	8.71	98	723941	56.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	113.32%	
62) 4-Bromofluorobenzene	11.13	95	259697	48.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.30%	

Target Compounds

						Qvalue
16) Acetone	2.43	43	5538	2.543	ug/l	89
31) Cyclohexane	5.58	56	150273	23.397	ug/l	97
39) Methylcyclohexane	7.46	83	252073	38.078	ug/l	98
40) Benzene	6.14	78	16424	0.986	ug/l	98
52) Toluene	8.78	92	32044	3.019	ug/l	100
67) Ethyl Benzene	10.25	91	9560025	477.304	ug/l	95
68) m/p-Xylenes	10.37	106	14033848	1825.360	ug/l #	58
69) o-Xylene	10.69	106	95158	12.636	ug/l	100
73) Isopropylbenzene	11.02	105	1405495	76.581	ug/l	100
78) n-propylbenzene	11.36	91	1948931	98.480	ug/l	100
80) 1,3,5-Trimethylbenzene	11.51	105	3375198	218.925	ug/l	99
83) tert-Butylbenzene	11.77	119	22200m	1.414	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	10668251	689.269	ug/l	93
85) sec-Butylbenzene	11.94	105	171182m	9.663	ug/l	
86) p-Isopropyltoluene	12.06	119	159114	9.547	ug/l	97
89) n-Butylbenzene	12.37	91	231556	16.899	ug/l #	18
95) Naphthalene	13.83	128	4598573	231.718	ug/l	99

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

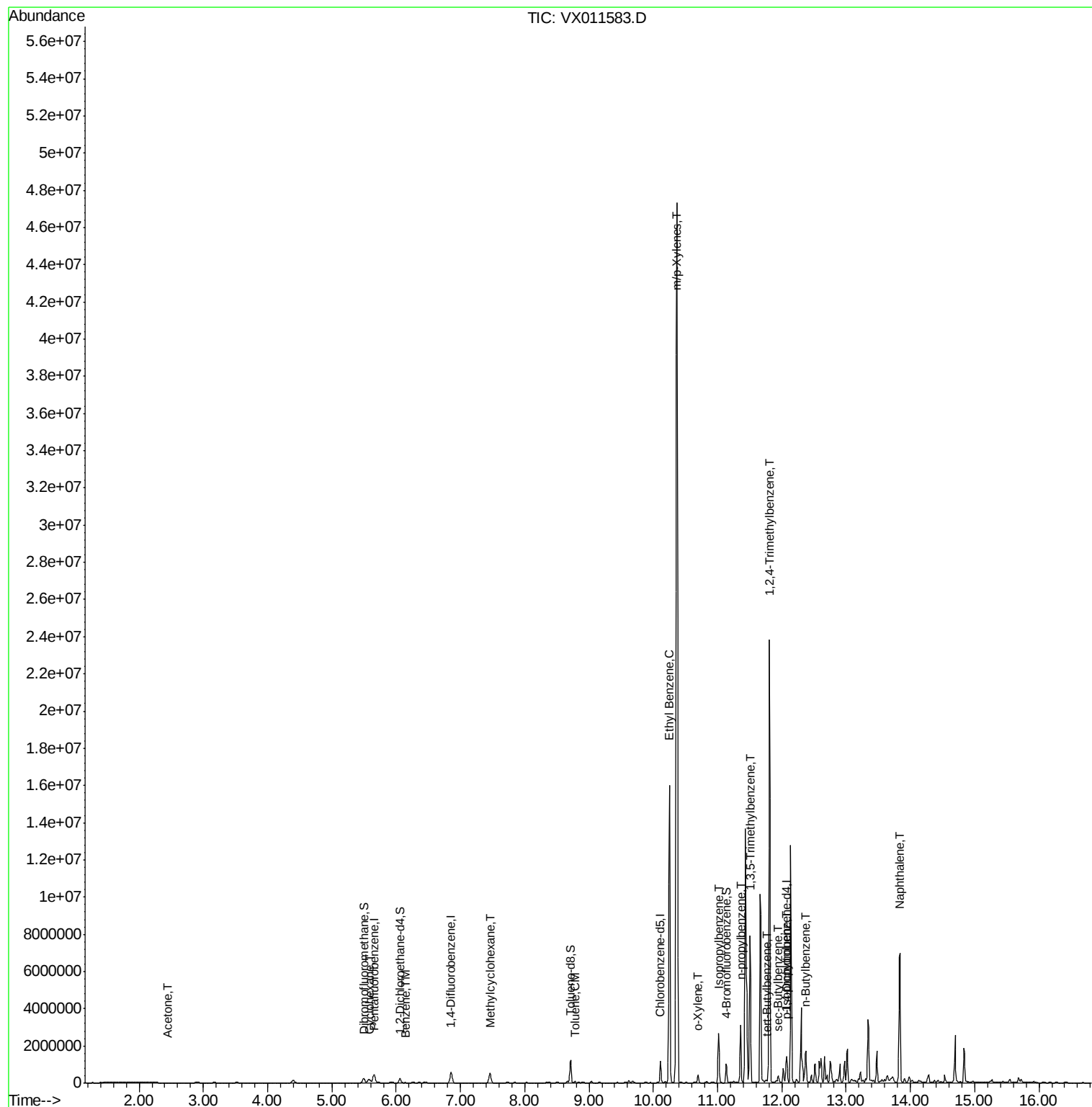
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
Data File : VX011583.D
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 14 Sample Multiplier: 1

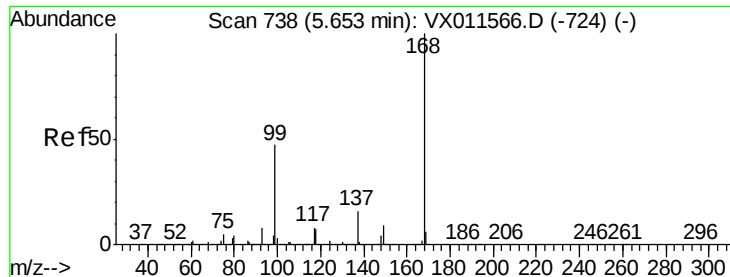
Instrument :
MSVOA_X
ClientSampleId :
PH2-0133

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Quant Time: Aug 19 03:18:05 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

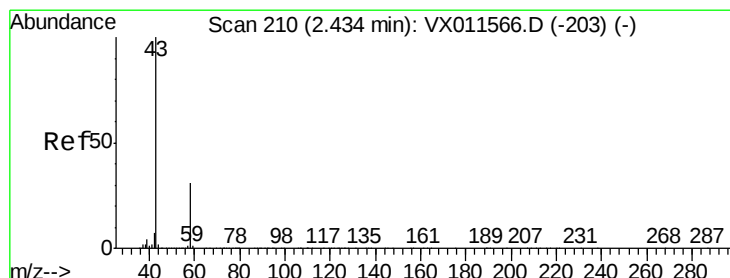
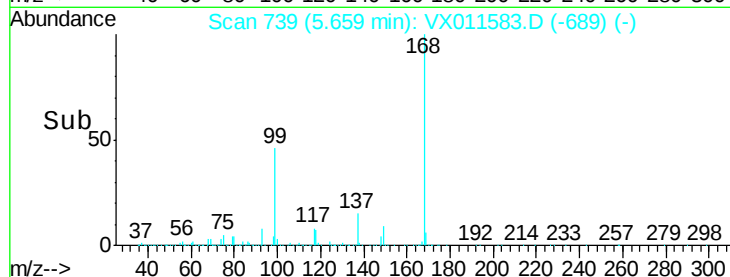
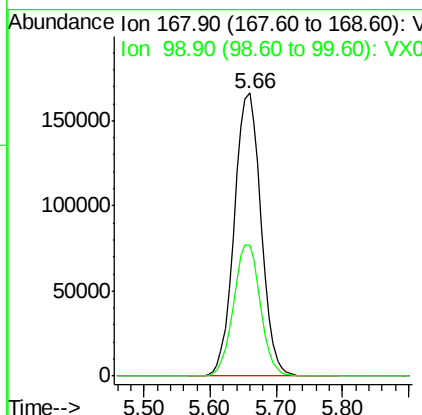
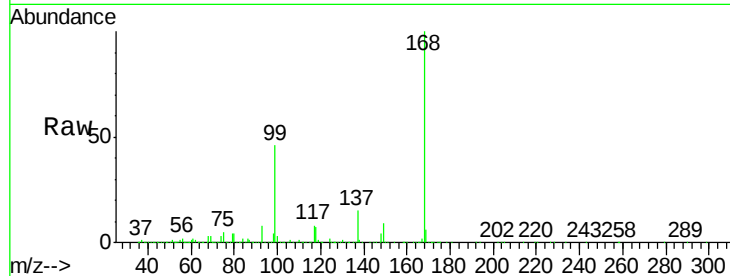
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VX011583.D
 Acq: 16 Aug 2019 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0133

Tot Ion	Ratio	Resp	Lower	Upper
168	100	467098		
99	46.1	37.3	55.9	

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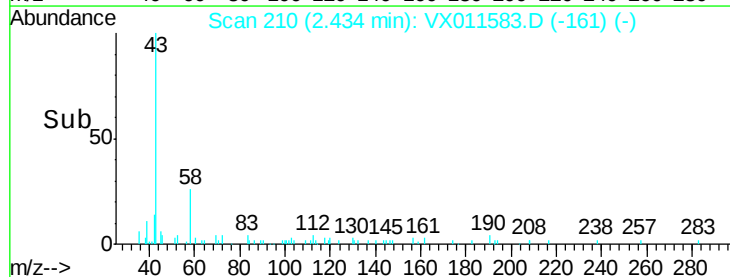
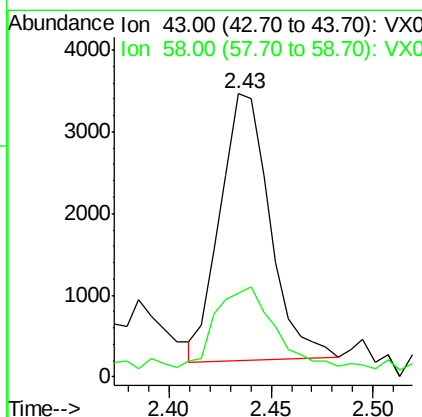
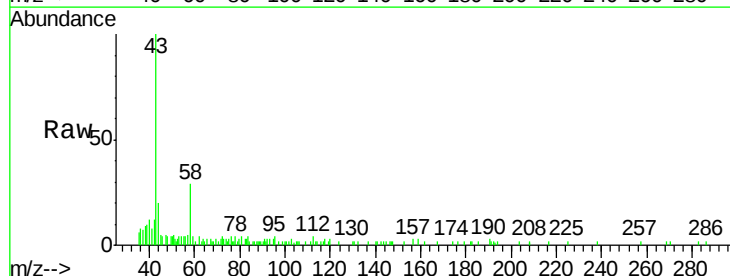
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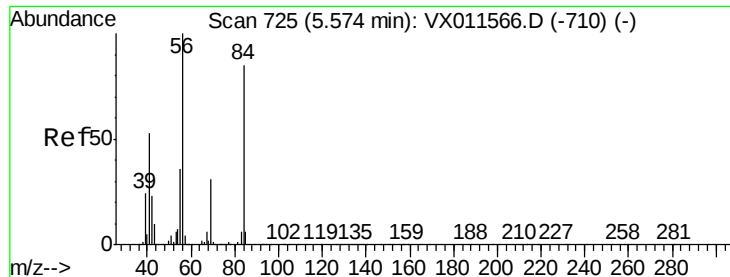


#16

Acetone
 Concen: 2.543 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011583.D
 Acq: 16 Aug 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	5538		
58	25.3	25.2	37.8	





#31

Cyclohexane

Concen: 23.397 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Instrument :

MSVOA_X

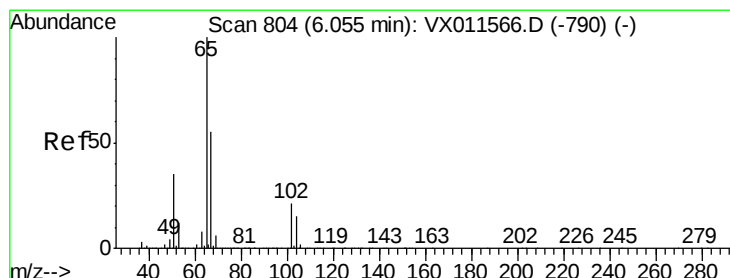
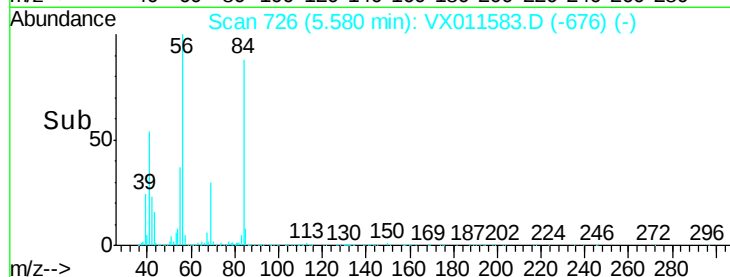
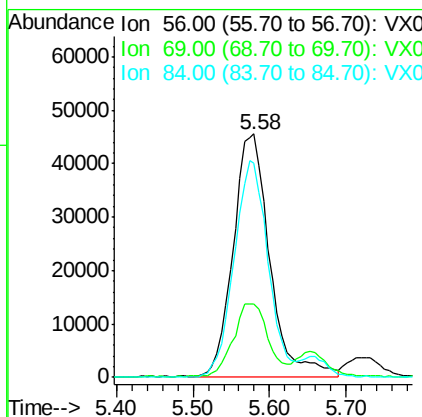
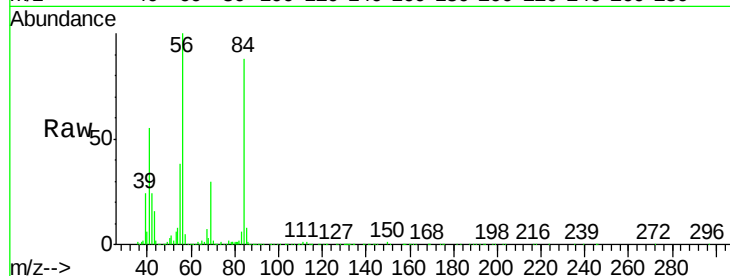
ClientSampleId :

PH2-0133

Tot Ion:	56	Resp:	150273
Ion Ratio		Lower	Upper
56	100		
69	29.6	24.8	37.2
84	87.8	67.9	101.9

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#33

1,2-Dichloroethane-d4

Concen: 49.937 ug/l

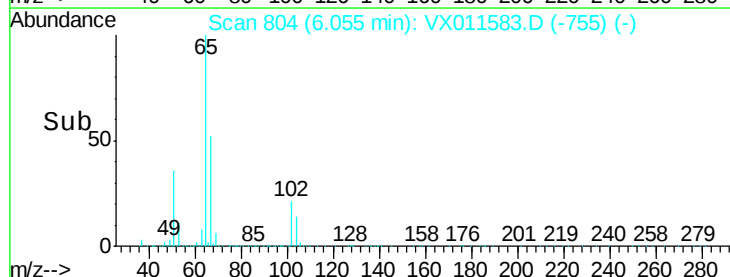
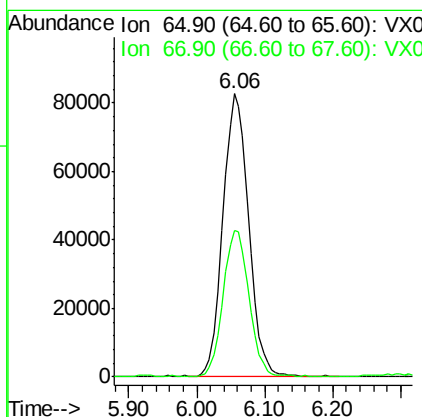
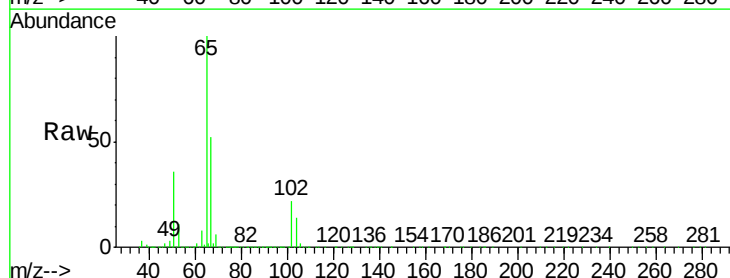
RT: 6.06 min Scan# 804

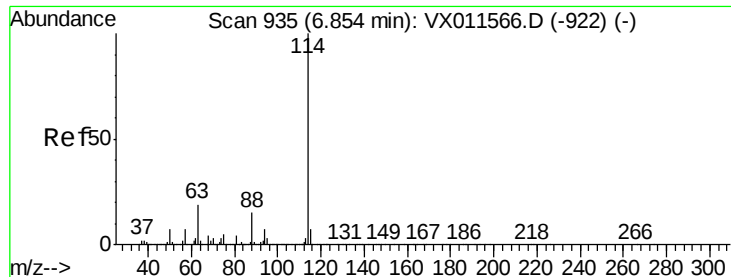
Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Tgt Ion:	65	Resp:	216310
Ion Ratio		Lower	Upper
65	100		
67	51.7	0.0	107.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 935

Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Instrument :

MSVOA_X

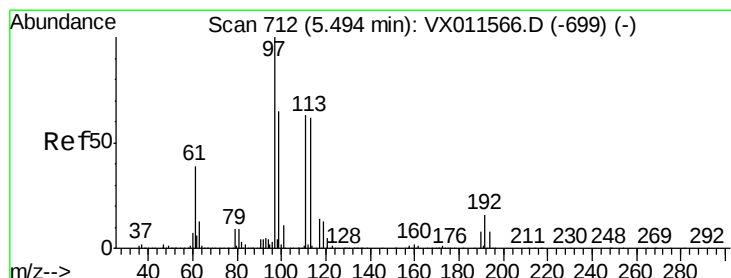
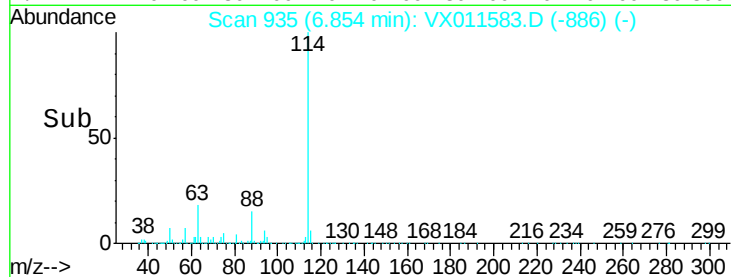
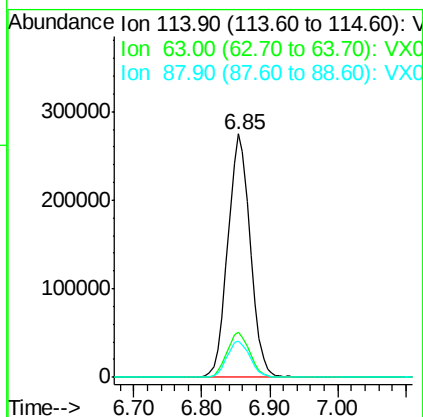
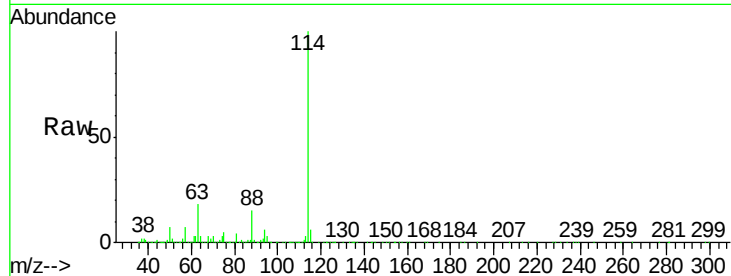
ClientSampleId :

PH2-0133

Tot Ion:	114	Resp:	626972
Ion Ratio		Lower	Upper
114	100		
63	18.4	0.0	37.8
88	14.8	0.0	30.2

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#35

Dibromofluoromethane

Concen: 45.183 ug/l

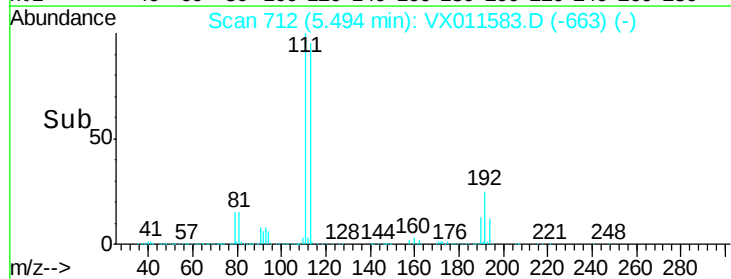
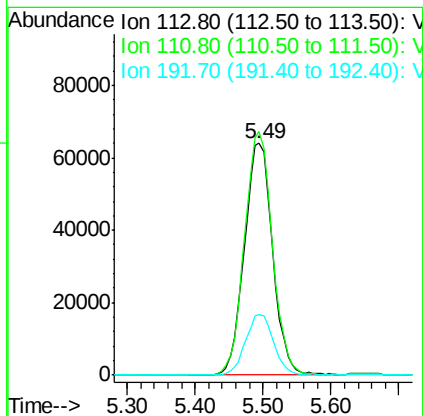
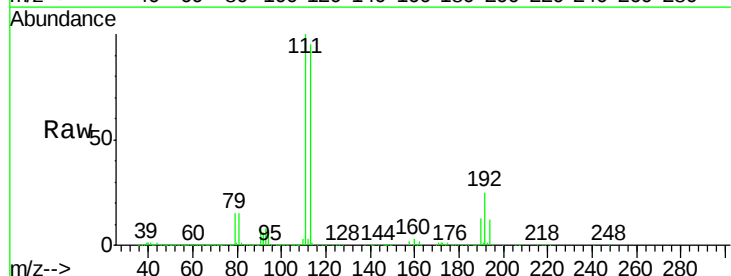
RT: 5.49 min Scan# 712

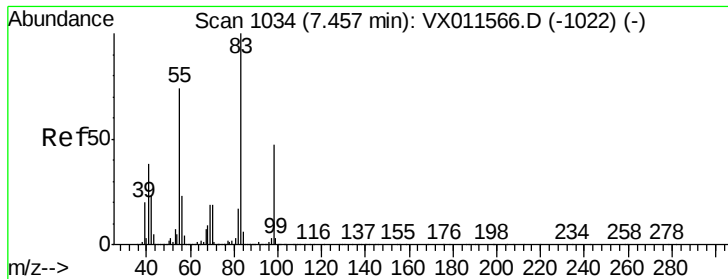
Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Tgt Ion:	113	Resp:	185286
Ion Ratio		Lower	Upper
113	100		
111	103.4	81.1	121.7
192	26.1	20.8	31.2





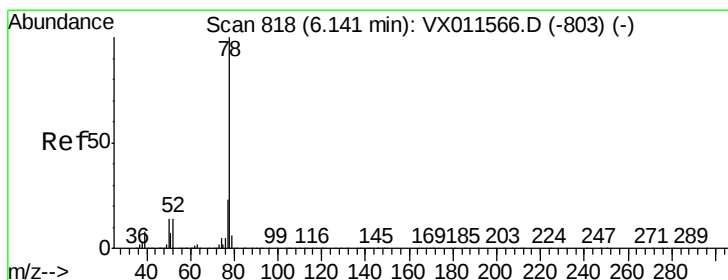
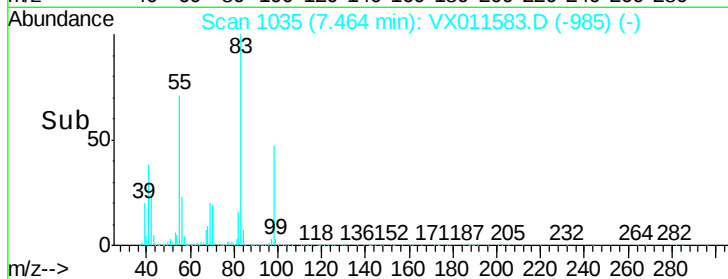
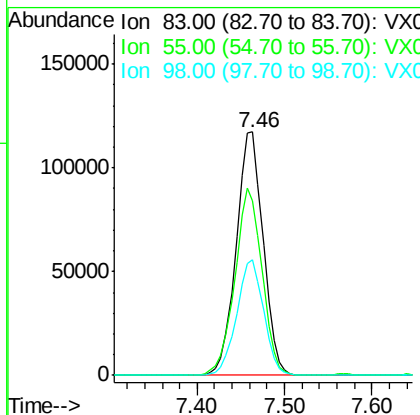
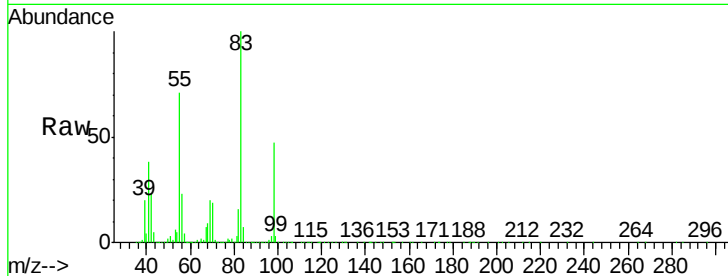
#39
Methvlcvclohexane
Concen: 38.078 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :
PH2-0133

Tot Ion	Ratio	Resp	Lower	Upper
83	100	252073		
55	71.4		58.8	88.2
98	47.3		37.8	56.6

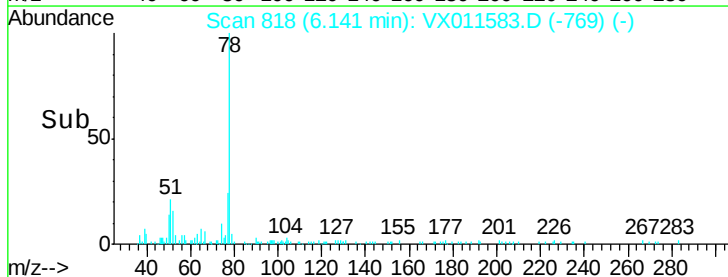
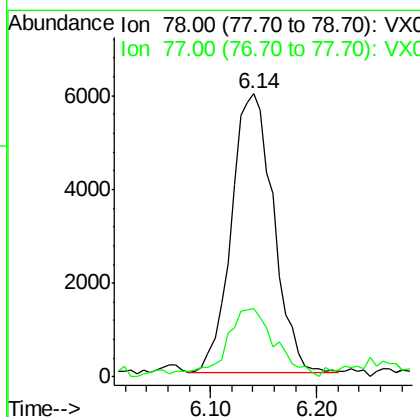
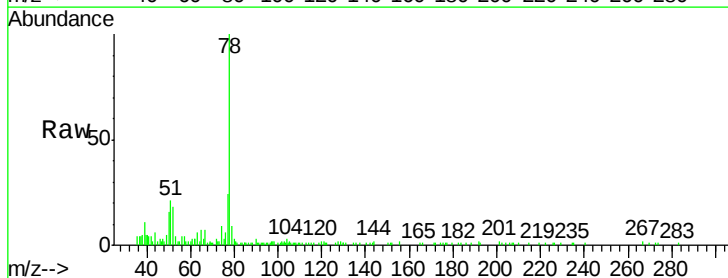
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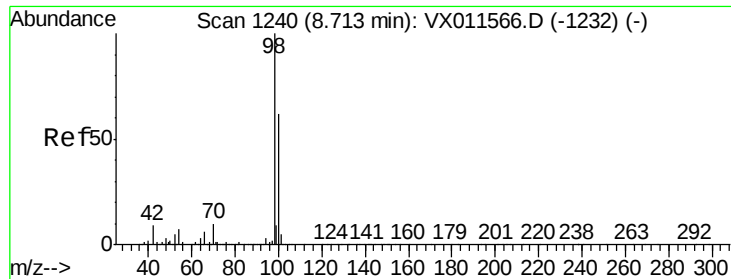
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#40
Benzene
Concen: 0.986 ug/l
RT: 6.14 min Scan# 818
Delta R.T. 0.00 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
78	100	16424		
77	22.5		18.6	28.0





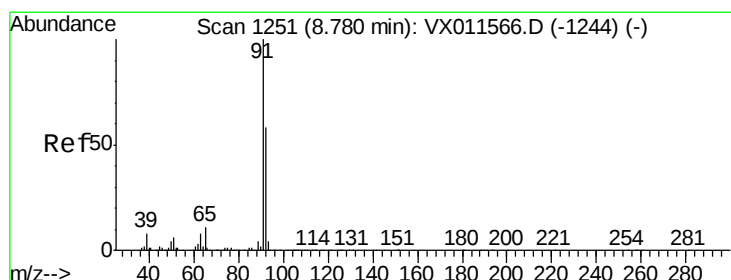
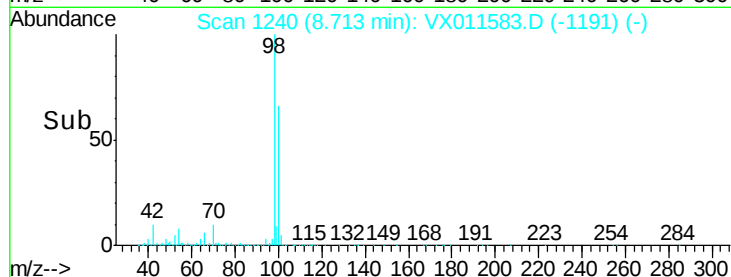
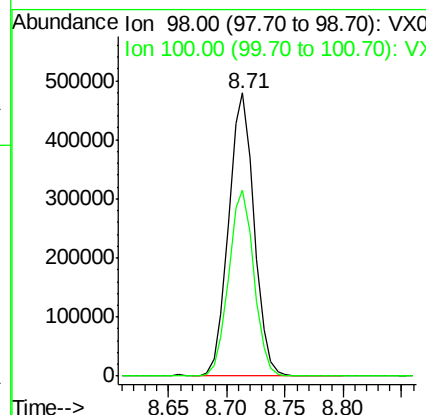
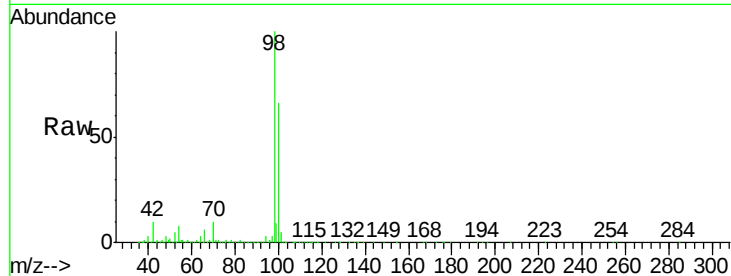
#50
Toluene-d8
Concen: 56.657 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Instrument :
MSVOA_X
ClientSampled :
PH2-0133

Tot Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.4	78.6

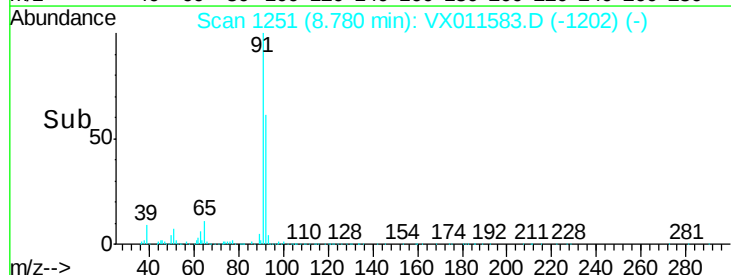
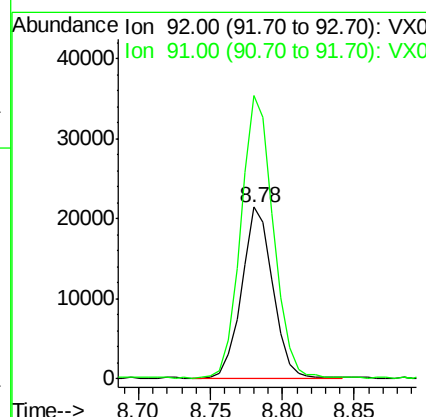
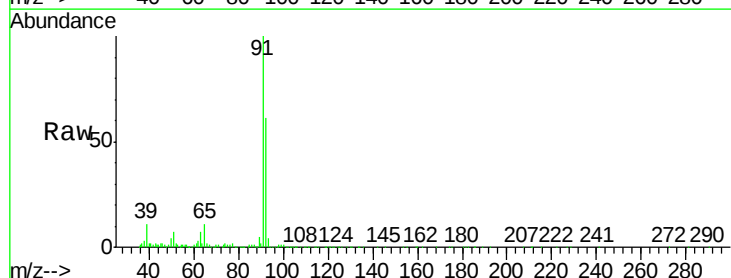
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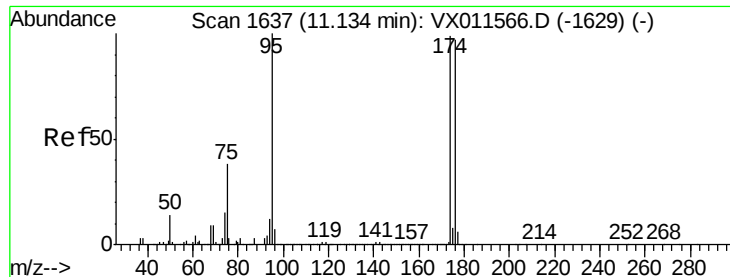
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#52
Toluene
Concen: 3.019 ug/l
RT: 8.78 min Scan# 1251
Delta R.T. 0.00 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Tgt Ion	Ratio	Lower	Upper
92	100		
91	172.6	138.0	207.0





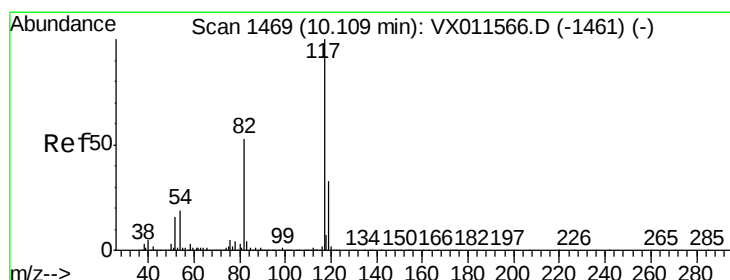
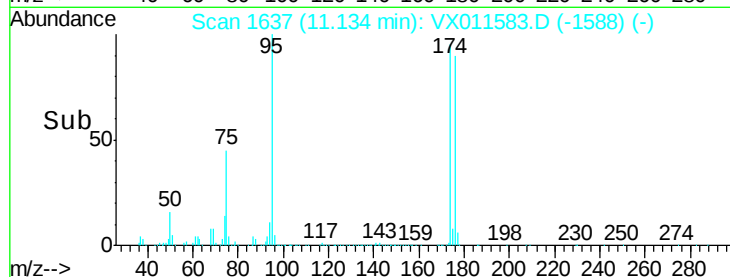
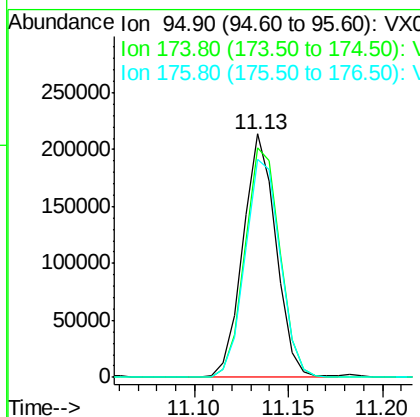
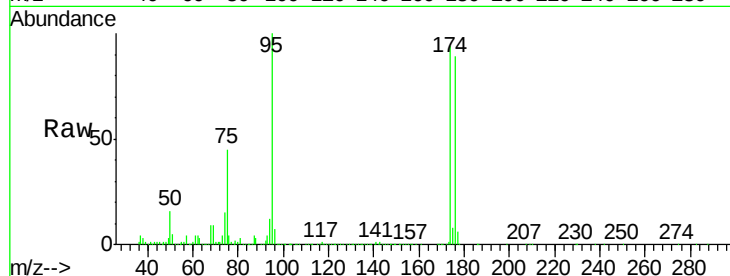
#62
4-Bromofluorobenzene
Concen: 48.153 ug/l
RT: 11.13 min Scan# 1637
Delta R.T. 0.00 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Instrument :
MSVOA_X
ClientSampled :
PH2-0133

Tot Ion	Ratio	Resp	Lower	Upper
95	100	259697		
174	99.9	0.0	200.6	
176	95.9	0.0	196.6	

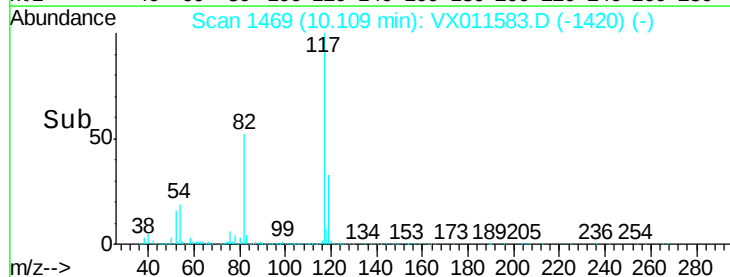
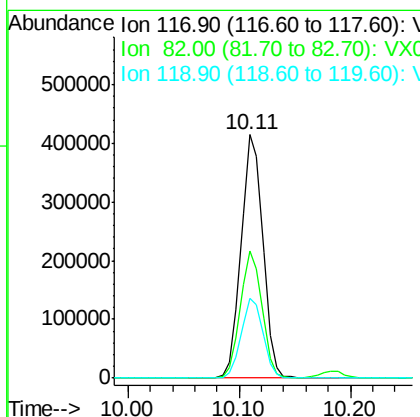
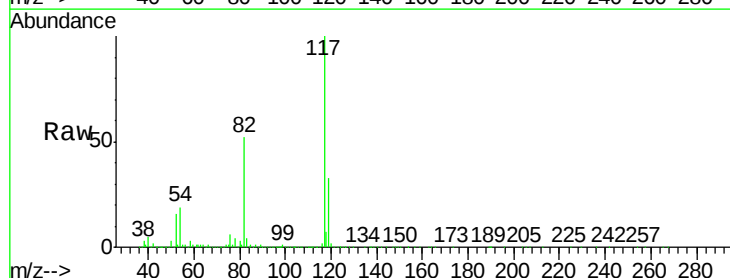
Manual Integrations
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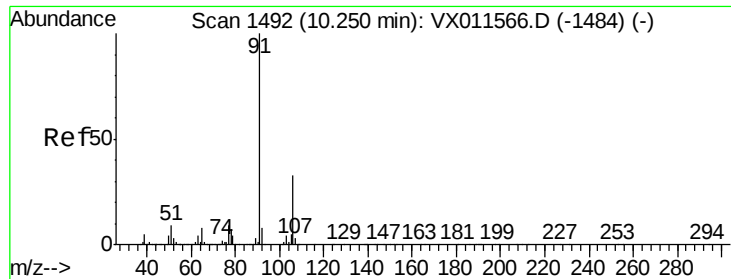
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#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	562678		
82	52.0	42.0	63.0	
119	32.7	26.5	39.7	





#67

Ethyl Benzene

Concen: 477.304 ug/l

RT: 10.25 min Scan# 1492

Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

PH2-0133

Tot Ion: 91 Resp: 9560025

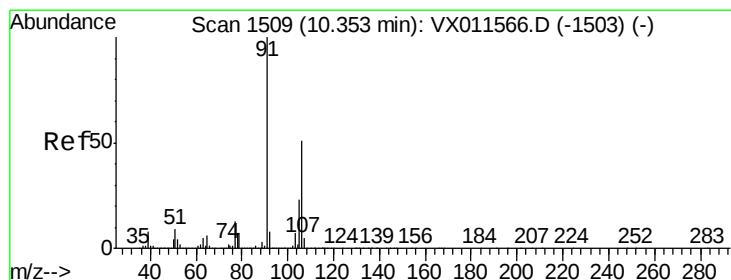
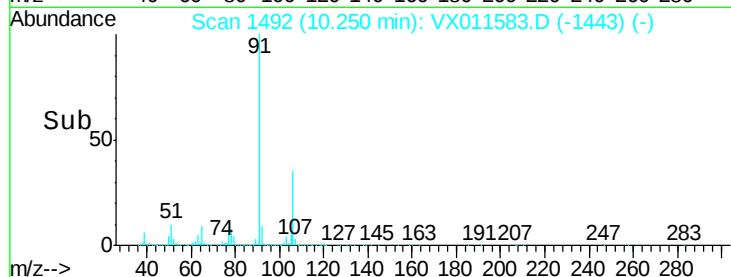
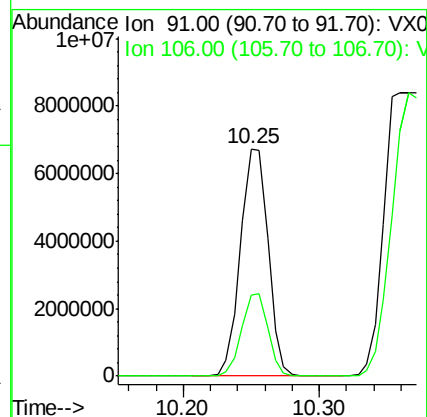
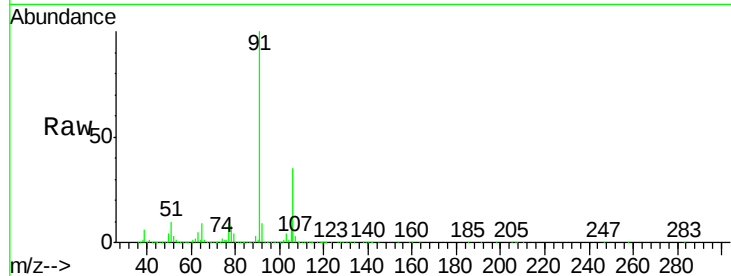
Ion Ratio Lower Upper

91 100

106 35.4 26.0 39.0

Manual Integrations
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#68

m/p-Xylenes

Concen: 1825.360 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX011583.D

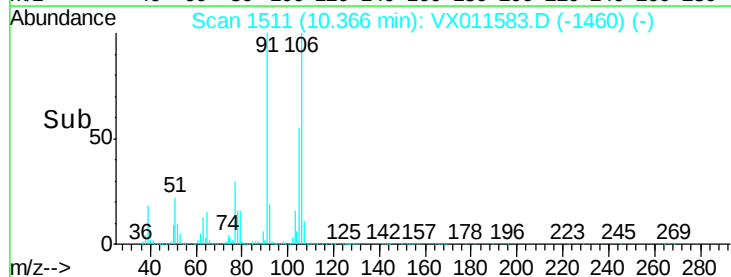
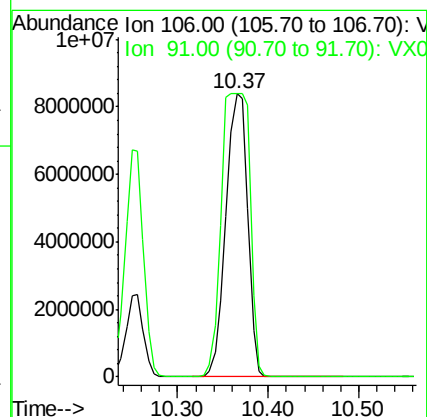
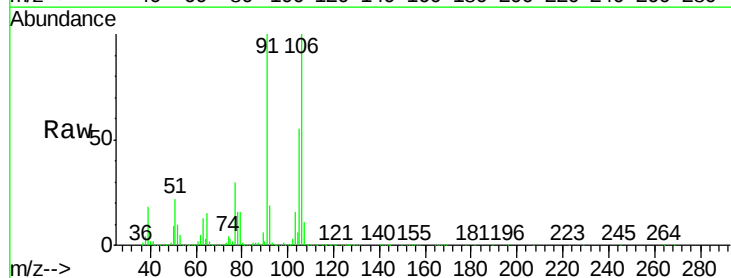
Acq: 16 Aug 2019 16:01

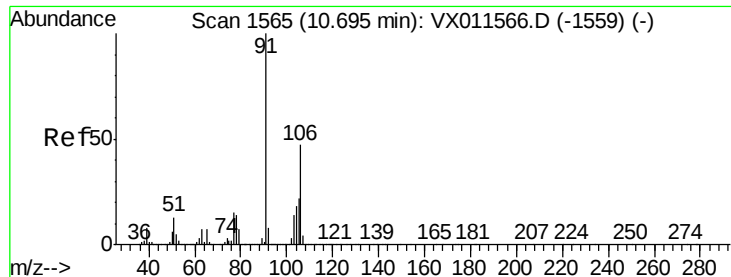
Tgt Ion: 106 Resp: 14033848

Ion Ratio Lower Upper

106 100

91 132.2 156.0 234.0#





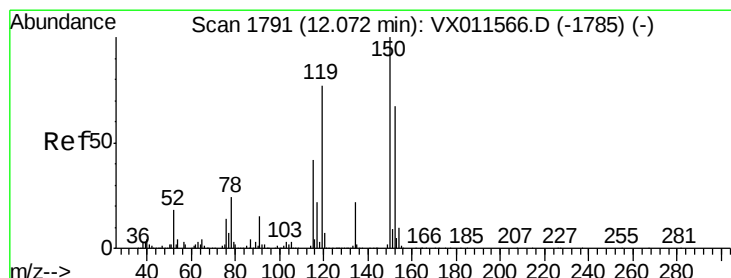
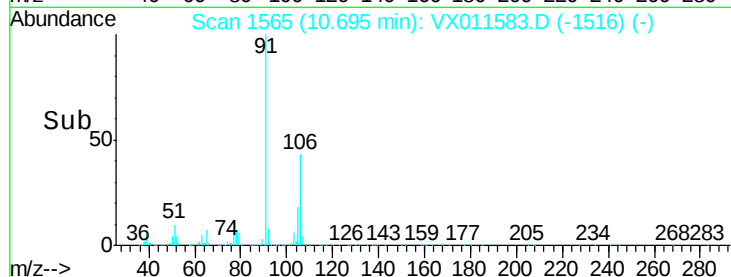
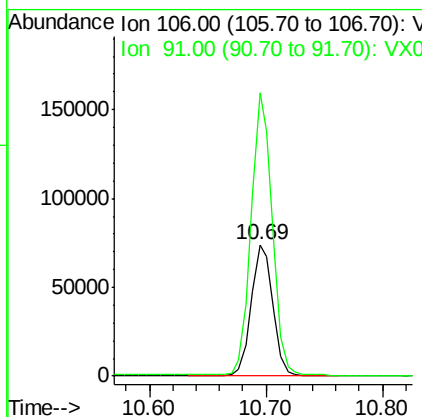
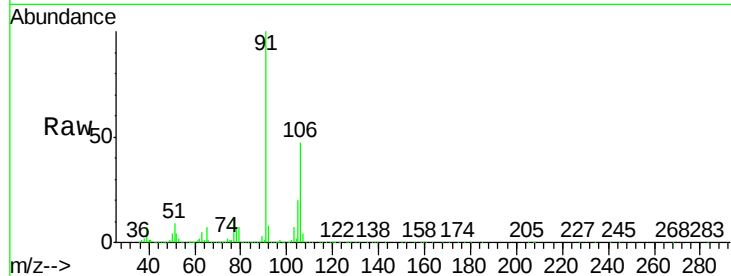
#69
o-Xylene
Concen: 12.636 ug/l
RT: 10.69 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Instrument :
MSVOA_X
ClientSampleId :
PH2-0133

Tot Ion	Ratio	Resp	Lower	Upper
106	100	95158		
91	211.1	105.5	316.4	

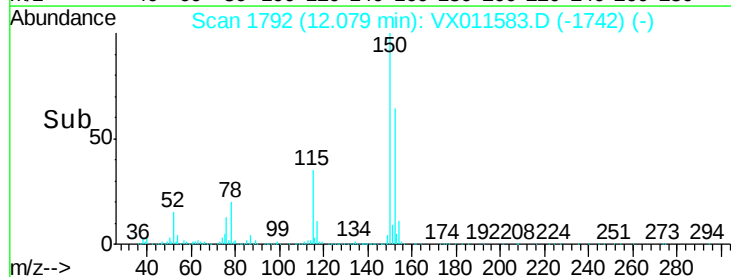
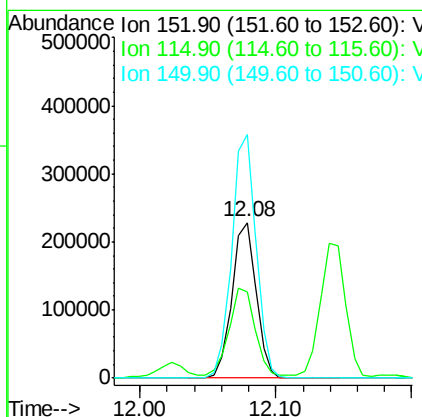
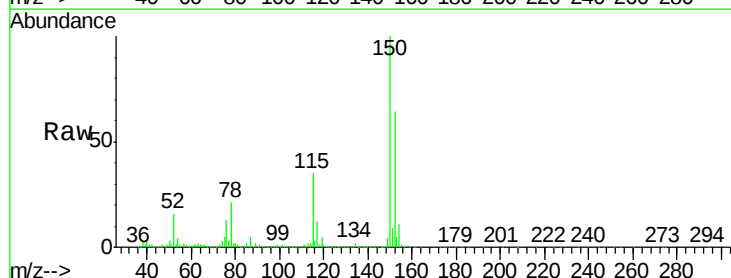
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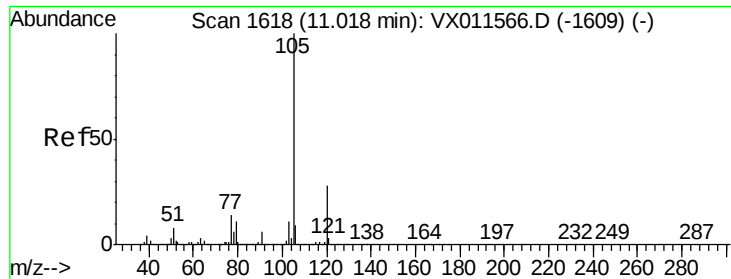
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
152	100	282838		
115	62.6	37.3	111.9	
150	156.9	0.0	346.2	





#73

Isopropylbenzene

Concen: 76.581 ug/l

RT: 11.02 min Scan# 1618

Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

PH2-0133

Tot Ion:105 Resp: 1405495

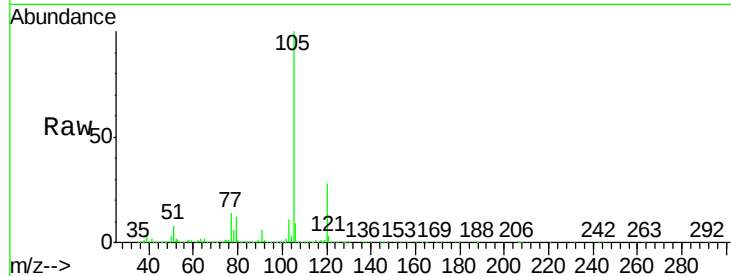
Ion Ratio Lower Upper

105 100

120 27.9 14.0 41.9

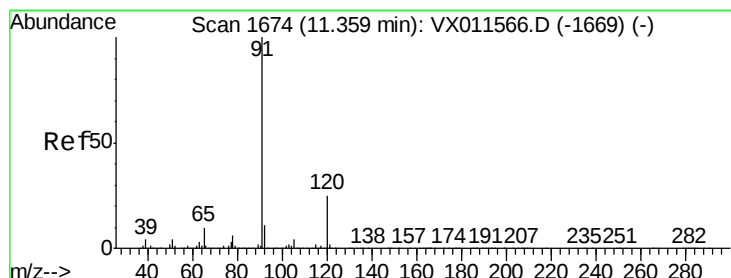
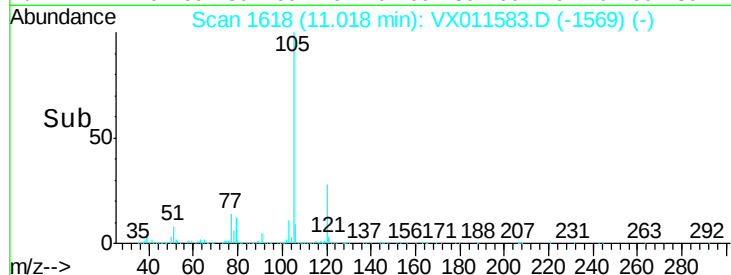
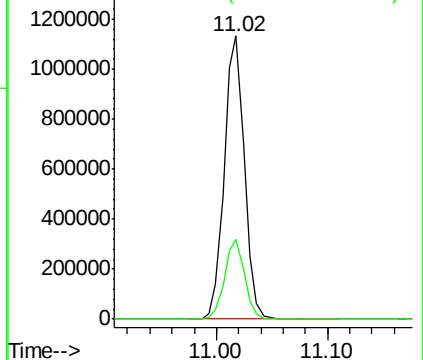
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#78

n-propylbenzene

Concen: 98.480 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011583.D

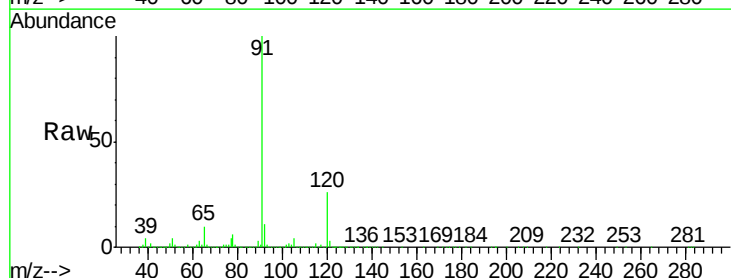
Acq: 16 Aug 2019 16:01

Tgt Ion: 91 Resp: 1948931

Ion Ratio Lower Upper

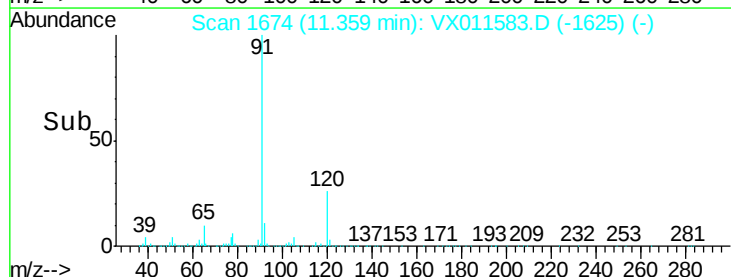
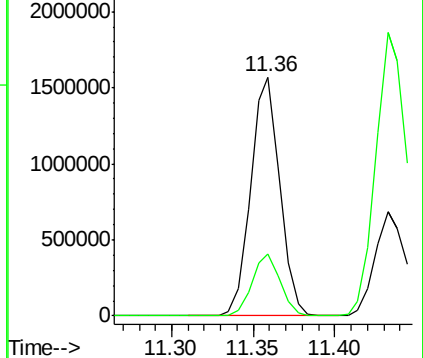
91 100

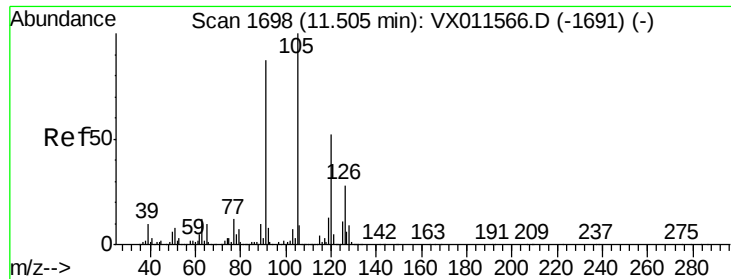
120 25.1 12.6 37.6



Abundance Ion 91.00 (90.70 to 91.70): VX0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 218.925 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Instrument :

MSVOA_X

ClientSampled :

PH2-0133

Tot Ion:105 Resp: 3375198

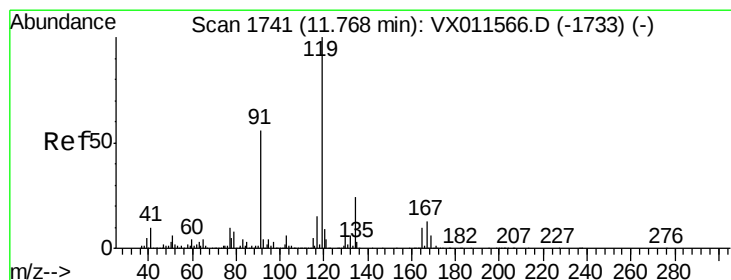
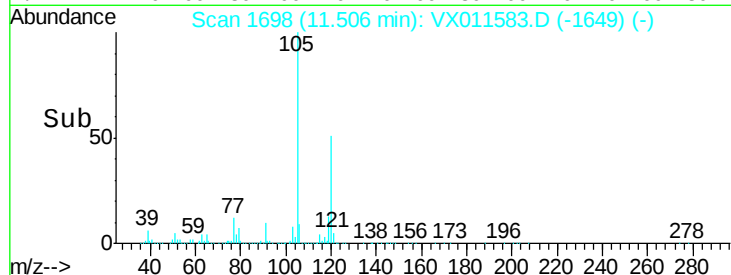
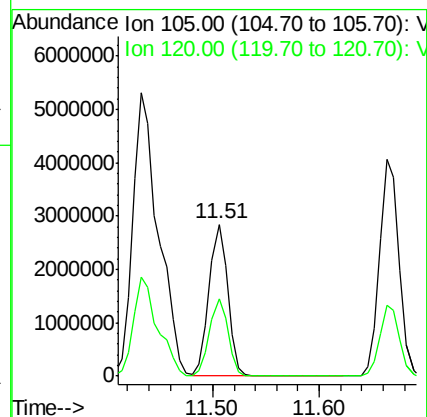
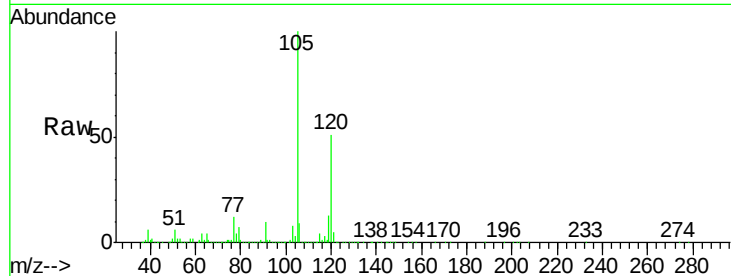
Ion Ratio Lower Upper

105 100

120 51.0 25.3 75.8

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#83

tert-Butylbenzene

Concen: 1.414 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

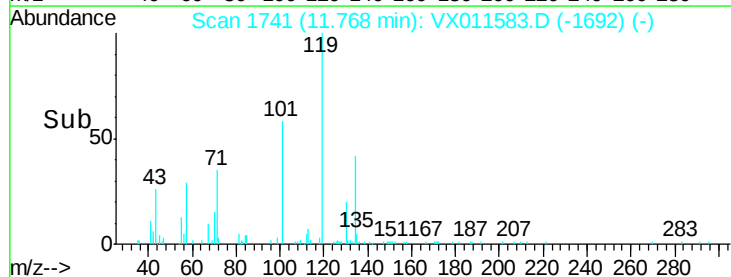
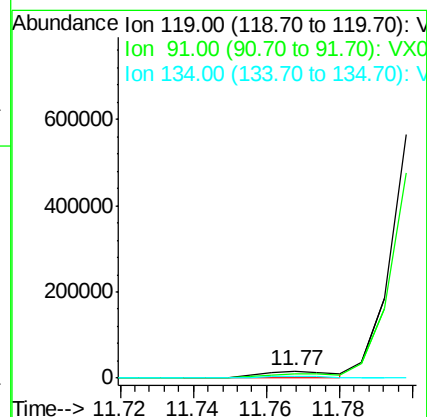
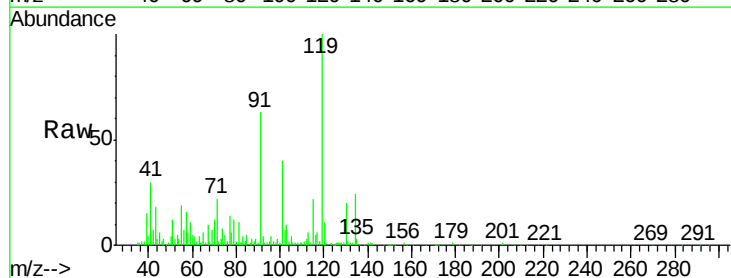
Tgt Ion:119 Resp: 22200

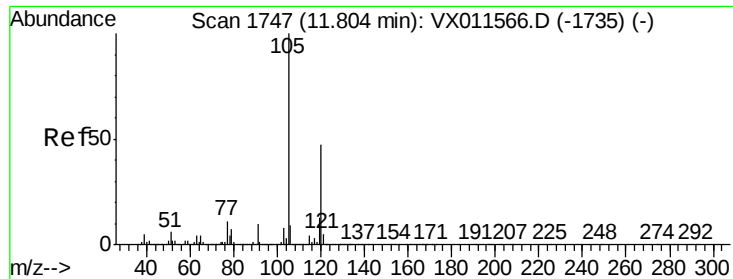
Ion Ratio Lower Upper

119 100

91 5306.8 27.1 81.3#

134 0.0 11.8 35.3#





#84

1,2,4-Trimethylbenzene

Concen: 689.269 ug/l

RT: 11.81 min Scan# 1748

Delta R.T. 0.01 min

Lab File: VX011583.D

Acq: 16 Aug 2019 16:01

Instrument :

MSVOA_X

ClientSampleId :

PH2-0133

Tot Ion:105 Resp:10668251

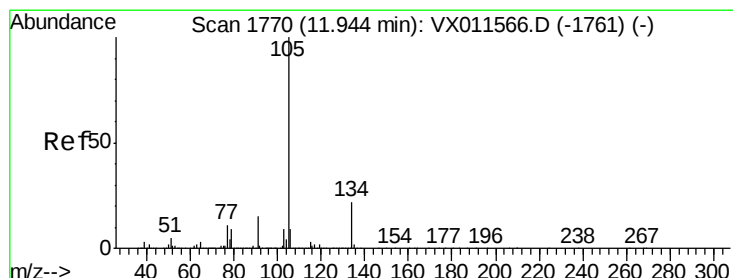
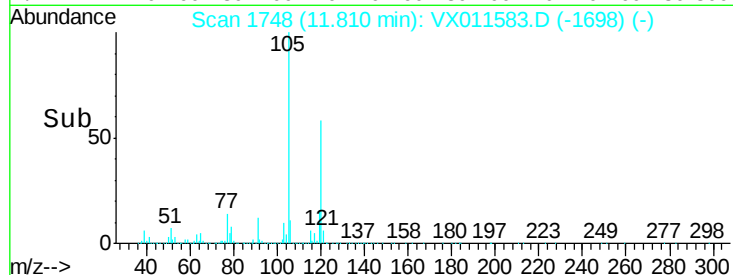
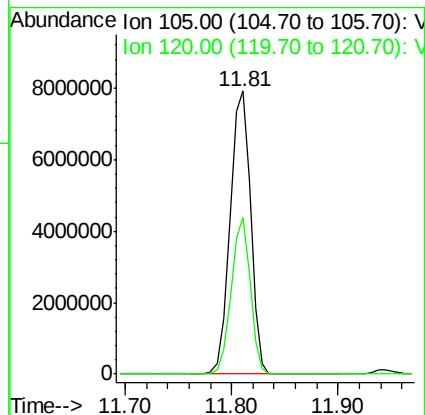
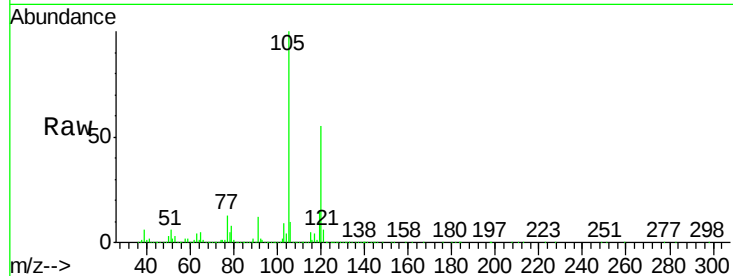
Ion Ratio Lower Upper

105 100

120 51.5 23.3 69.9

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#85

sec-Butylbenzene

Concen: 9.663 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011583.D

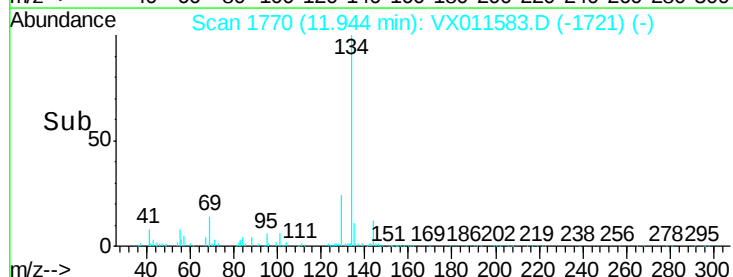
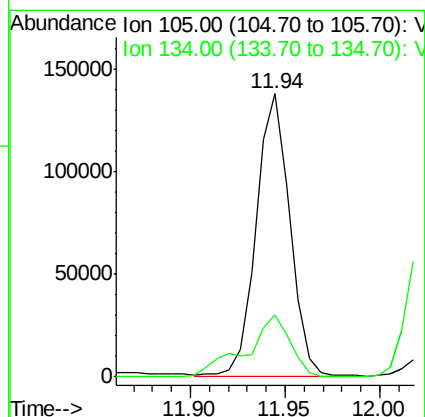
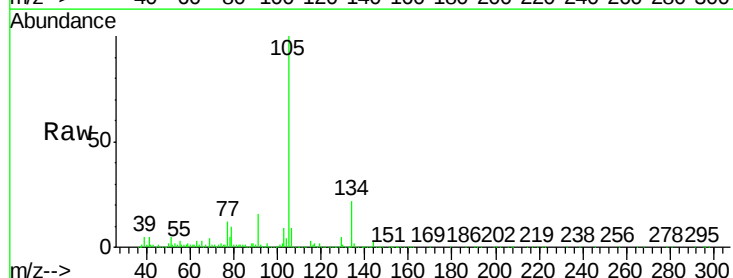
Acq: 16 Aug 2019 16:01

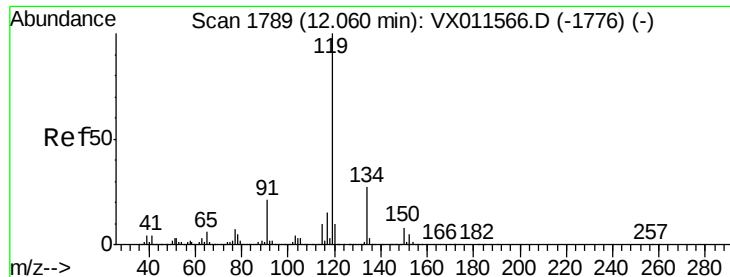
Tgt Ion:105 Resp: 171182

Ion Ratio Lower Upper

105 100

134 0.0 10.8 32.4#





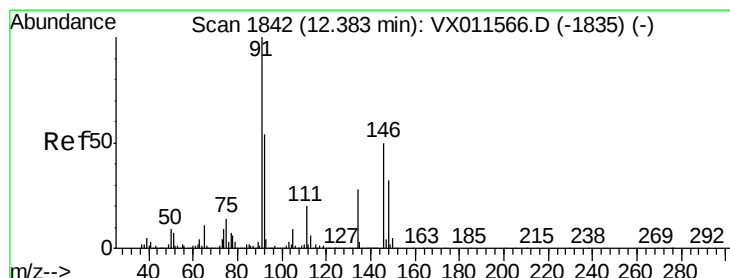
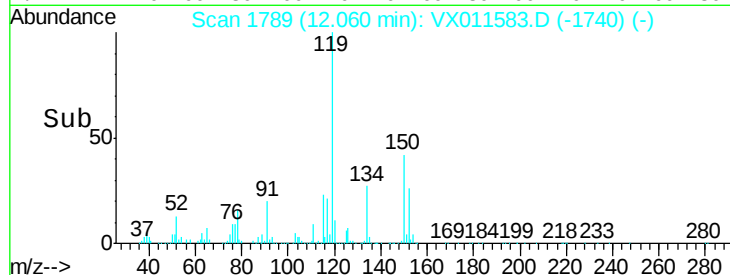
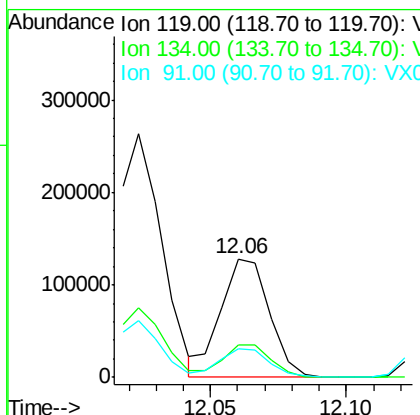
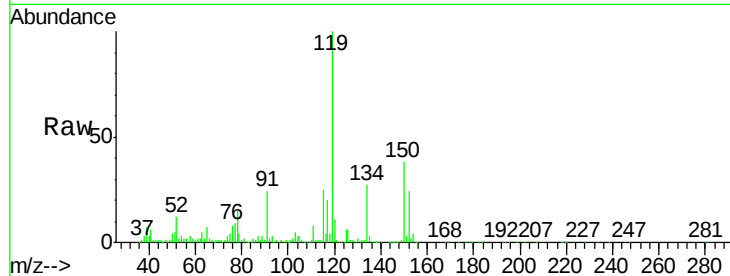
#86
 p-Isopropyltoluene
 Concen: 9.547 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011583.D
 Acq: 16 Aug 2019 16:01

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0133

Tot Ion	Ratio	Resp	Lower	Upper
119	100	159114		
134	26.2	13.6	40.8	
91	24.2	10.9	32.9	

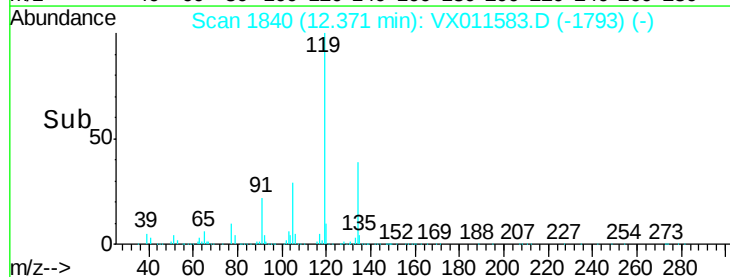
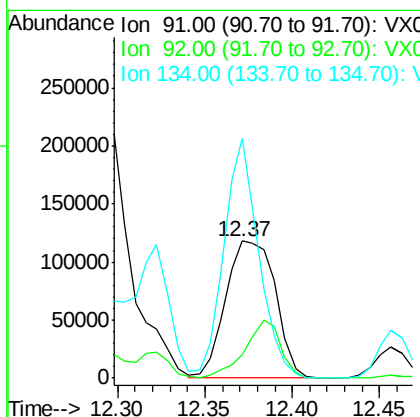
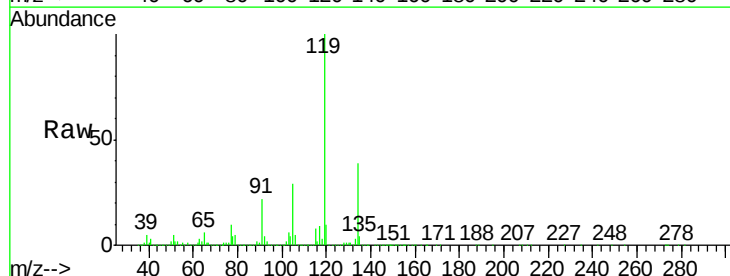
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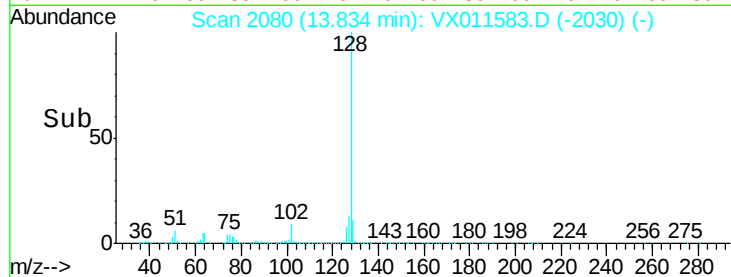
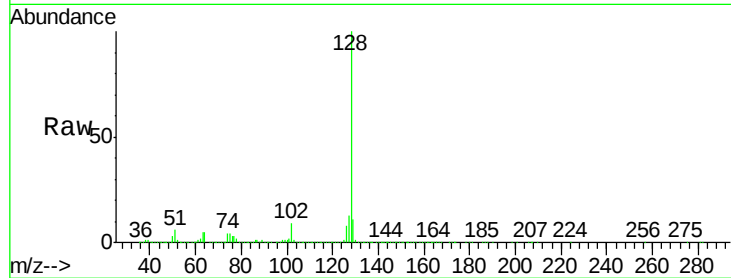
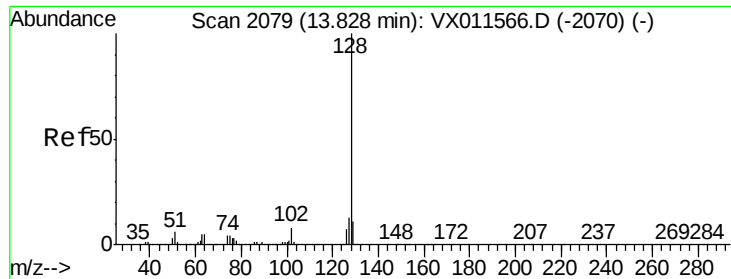
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#89
 n-Butylbenzene
 Concen: 16.899 ug/l
 RT: 12.37 min Scan# 1840
 Delta R.T. -0.01 min
 Lab File: VX011583.D
 Acq: 16 Aug 2019 16:01

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	231556		
92	30.7	26.8	80.3	
134	122.8	14.6	44.0	





#95
Naphthalene
Concen: 231.718 ug/l
RT: 13.83 min Scan# 2080
Delta R.T. 0.01 min
Lab File: VX011583.D
Acq: 16 Aug 2019 16:01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	11.2	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
PH2-0133

Manual Integrations
APPROVED

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8/19/2019 10:30:26 AM

