

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX081619\
 Data File : VX011581.D
 Acq On : 16 Aug 2019 15:14
 Operator : JC/SP
 Sample : K4368-02
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0137

Manual Integrations
 APPROVED

MMDadoda
 8/19/2019 10:30:21 AM

Quant Time: Aug 19 02:29:16 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	466630	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	631397	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	480034	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	299122	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	215154	49.72	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.44%	
35) Dibromofluoromethane	5.49	113	187683	45.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.90%	
50) Toluene-d8	8.72	98	745305	57.92	ug/l	0.00
Spiked Amount	50.000		Recovery	=	115.84%	
62) 4-Bromofluorobenzene	11.13	95	237775	43.78	ug/l	0.00
Spiked Amount	50.000		Recovery	=	87.56%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	21662	9.955	ug/l	100
25) 2-Butanone	4.67	43	35777	10.473	ug/l	100
31) Cyclohexane	5.57	56	1412577	220.152	ug/l	97
39) Methylcyclohexane	7.46	83	1934784	290.220	ug/l	99
40) Benzene	6.15	78	19204567	1144.769	ug/l	94
52) Toluene	8.79	92	31966893m	2991.002	ug/l	
67) Ethyl Benzene	10.26	91	10940893	640.290	ug/l	92
68) m/p-Xylenes	10.37	106	14051952	2142.379	ug/l #	58
69) o-Xylene	10.70	106	7240621	1126.980	ug/l	82
73) Isopropylbenzene	11.02	105	557553	28.726	ug/l	98
78) n-propylbenzene	11.36	91	504677	24.113	ug/l	98
80) 1,3,5-Trimethylbenzene	11.51	105	1021801	62.669	ug/l	98
83) tert-Butylbenzene	11.77	119	5858m	0.353	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	2596136	158.603	ug/l	100
85) sec-Butylbenzene	11.94	105	59007m	3.149	ug/l	
86) p-Isopropyltoluene	12.06	119	71448	4.054	ug/l	97
89) n-Butylbenzene	12.37	91	51834	3.577	ug/l #	17
95) Naphthalene	13.83	128	558204	26.596	ug/l	100

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

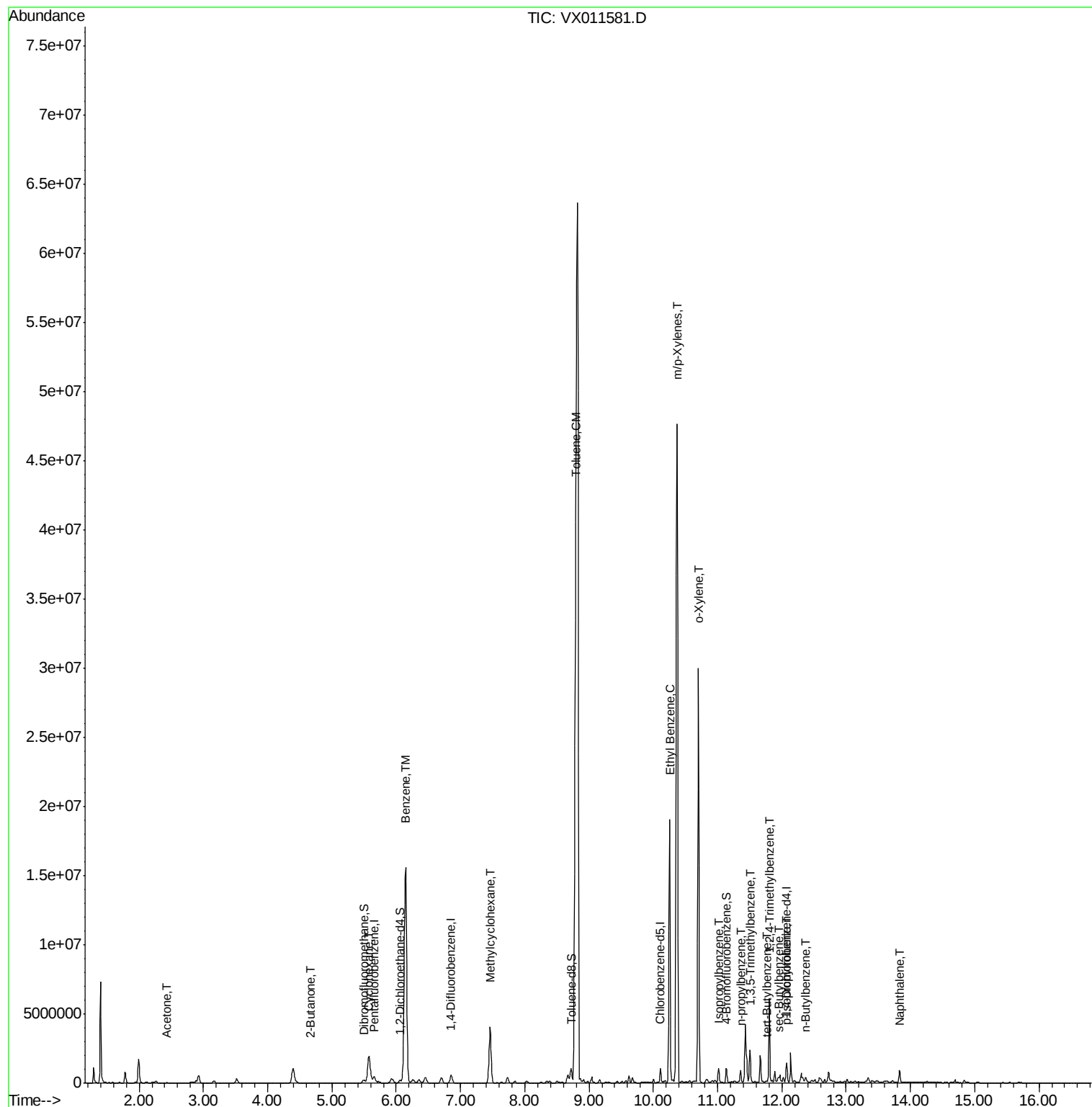
Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
Data File : VX011581.D
Acq On : 16 Aug 2019 15:14
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ALS Vial : 12 Sample Multiplier: 1

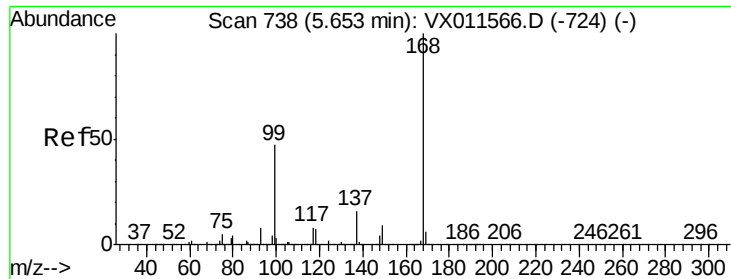
Instrument :
MSVOA_X
ClientSampleId :
PH2-0137

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Quant Time: Aug 19 02:29:16 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

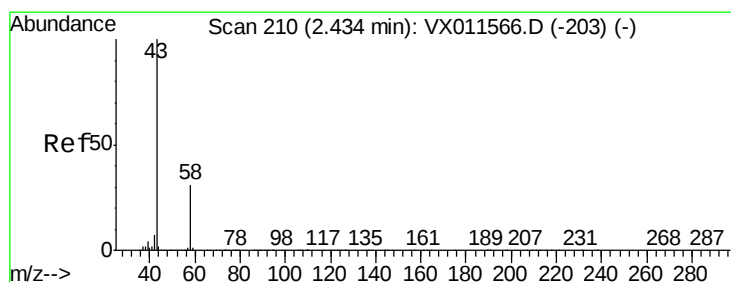
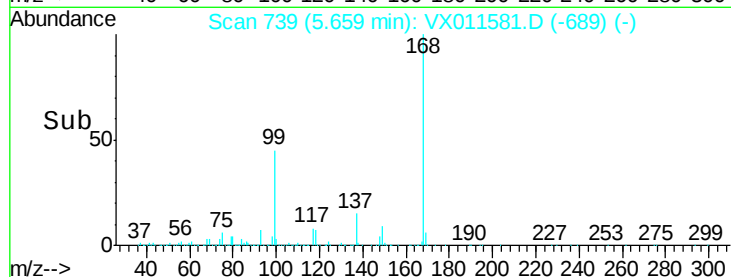
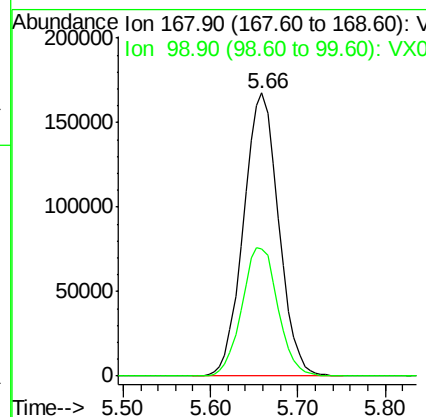
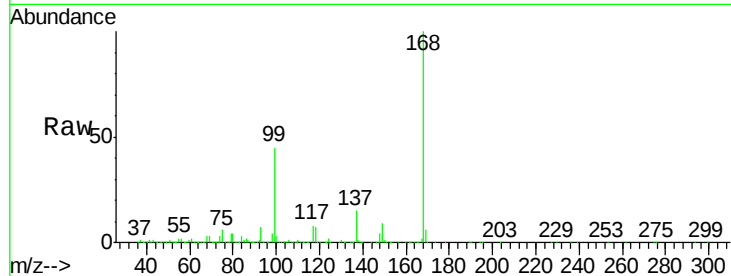
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.66 min Scan# 739
 Delta R.T. 0.01 min
 Lab File: VX011581.D
 Acq: 16 Aug 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0137

Tot Ion	Ratio	Resp	Lower	Upper
168	100	466630		
99	45.0	37.3	55.9	

Manual Integrations
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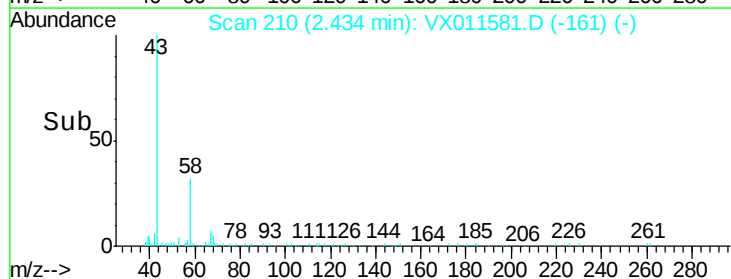
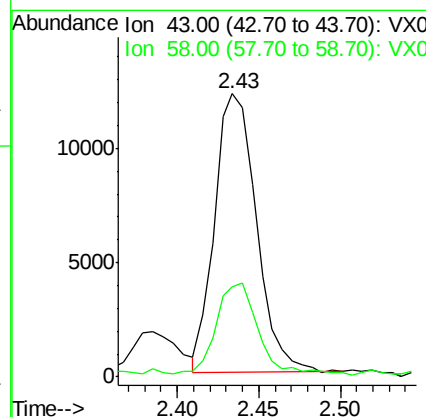
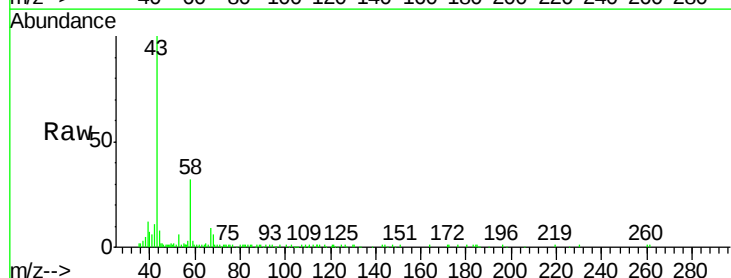
MMDadoda
 8/19/2019 10:30:21 AM

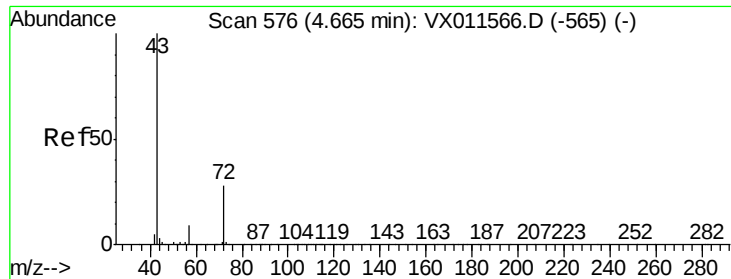


#16

Acetone
 Concen: 9.955 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011581.D
 Acq: 16 Aug 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	21662		
58	31.2	25.2	37.8	





#25

2-Butanone

Concen: 10.473 ug/l

RT: 4.67 min Scan# 577

Delta R.T. 0.01 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

ClientSampled :

PH2-0137

Tot Ion: 43 Resp: 35777

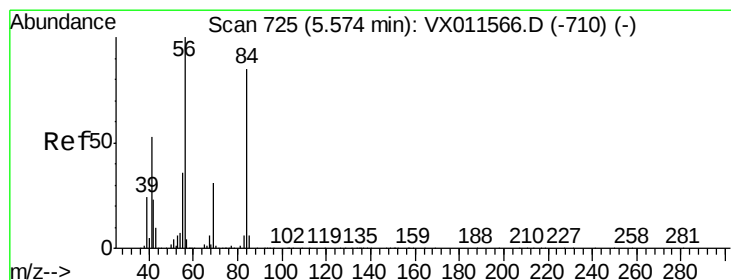
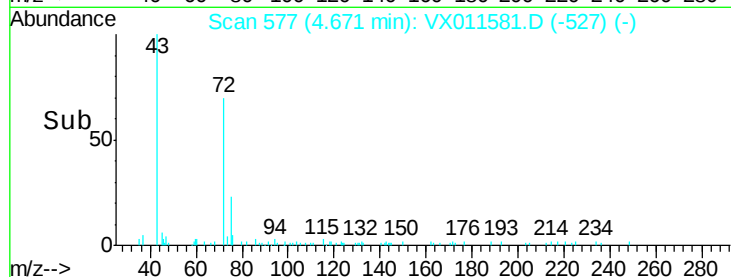
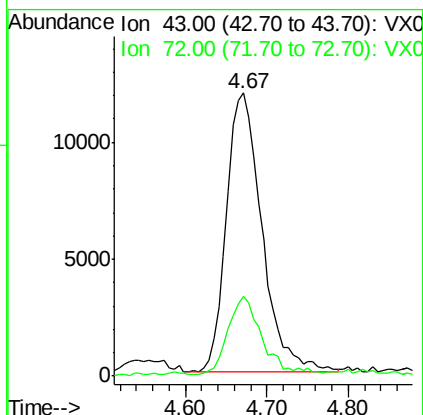
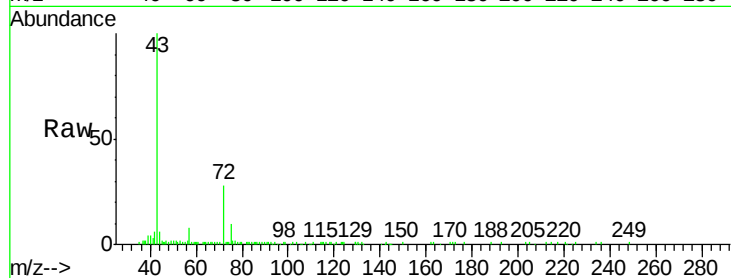
Ion Ratio Lower Upper

43 100

72 28.0 22.2 33.4

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#31

Cyclohexane

Concen: 220.152 ug/l

RT: 5.57 min Scan# 725

Delta R.T. 0.00 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

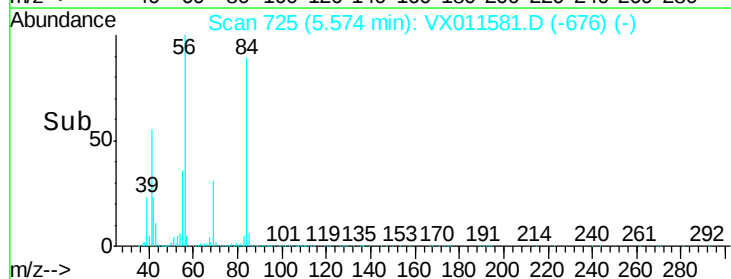
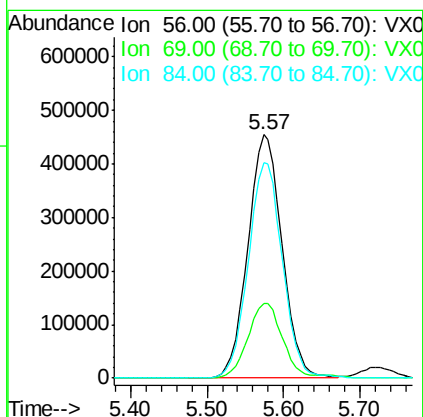
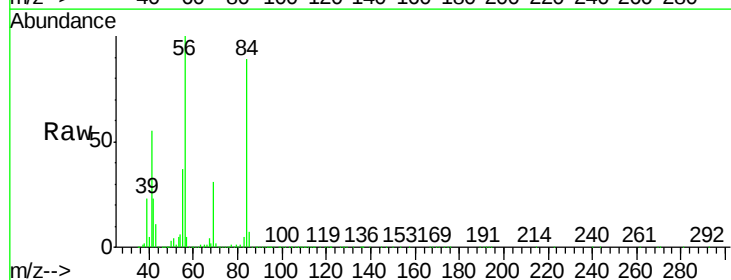
Tgt Ion: 56 Resp: 1412577

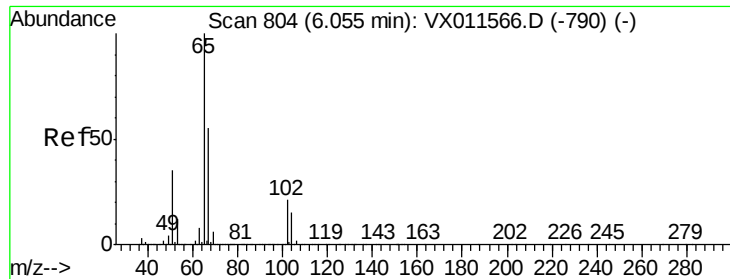
Ion Ratio Lower Upper

56 100

69 30.8 24.8 37.2

84 88.6 67.9 101.9





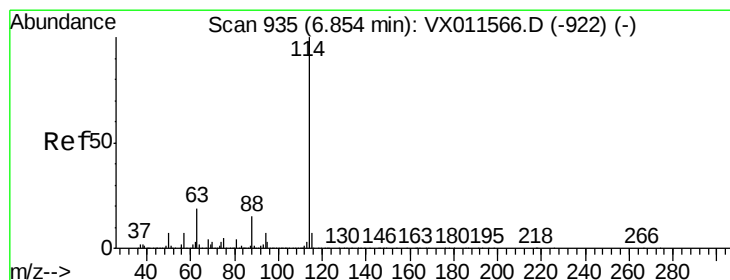
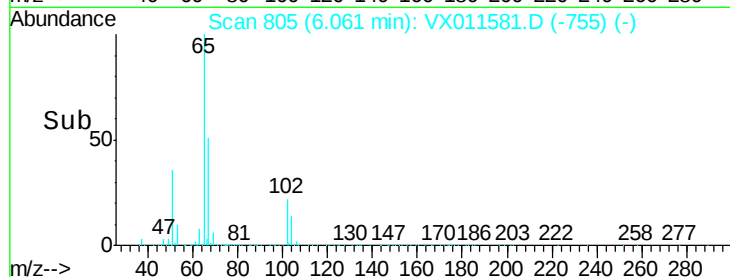
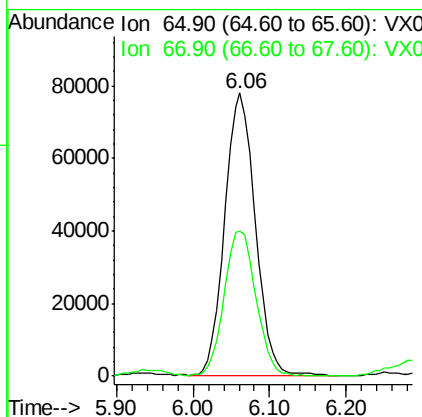
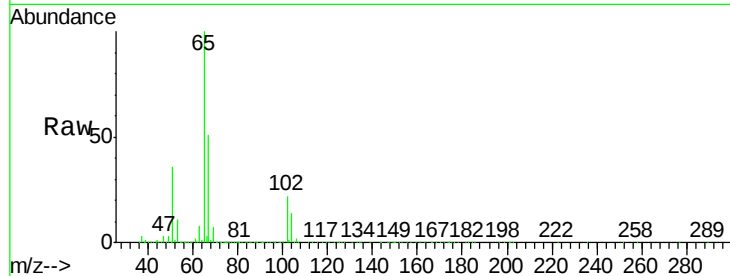
#33
 1,2-Dichloroethane-d4
 Concen: 49.719 ug/l
 RT: 6.06 min Scan# 805
 Delta R.T. 0.01 min
 Lab File: VX011581.D
 Acq: 16 Aug 2019 15:14

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0137

Tot Ion	Ratio	Resp	Lower	Upper
65	100	215154		
67	53.1	0.0	107.6	

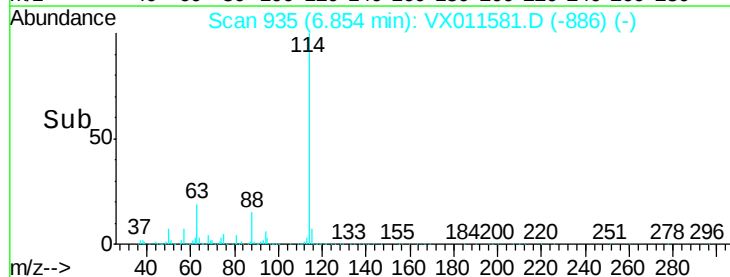
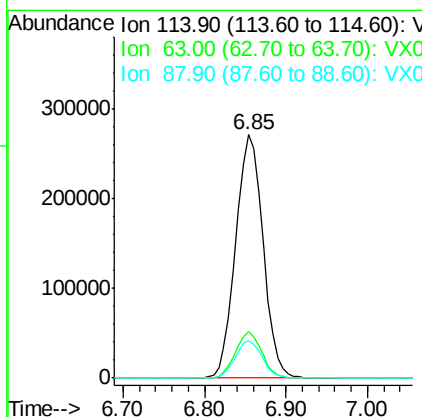
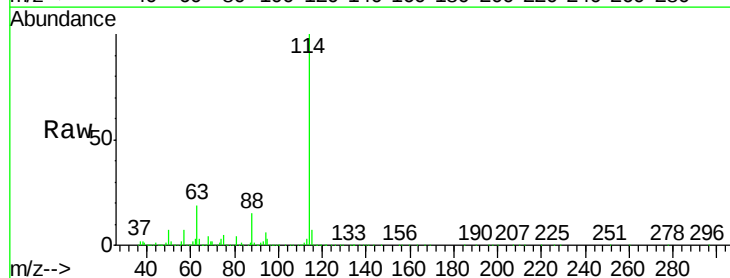
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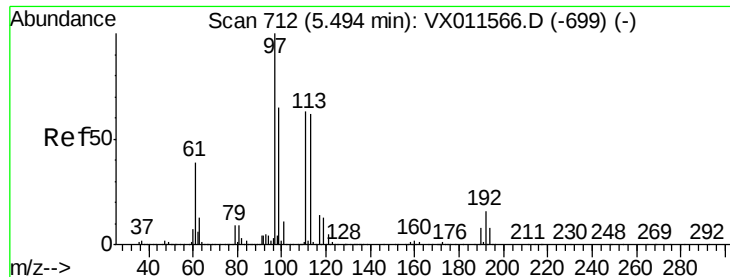
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#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 6.85 min Scan# 935
 Delta R.T. 0.00 min
 Lab File: VX011581.D
 Acq: 16 Aug 2019 15:14

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	631397		
63	18.8	0.0	37.8	
88	15.4	0.0	30.2	





#35

Dibromofluoromethane

Concen: 45.447 ug/l

RT: 5.49 min Scan# 711

Delta R.T. -0.01 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

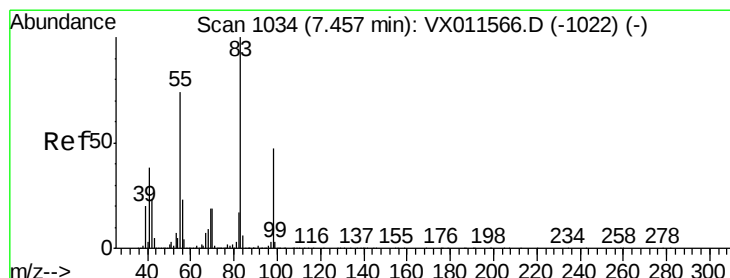
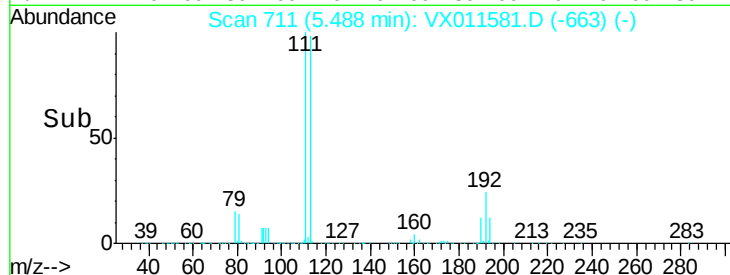
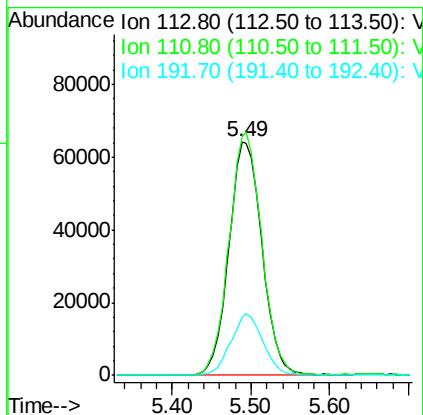
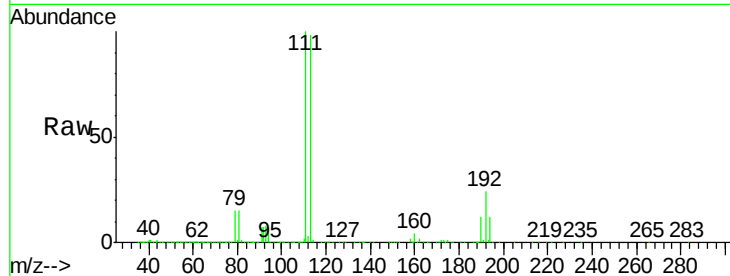
ClientSampleId :

PH2-0137

Tot Ion:	113	Resp:	187683
Ion Ratio	Lower	Upper	
113	100		
111	102.2	81.1	121.7
192	25.8	20.8	31.2

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#39

Methylcyclohexane

Concen: 290.220 ug/l

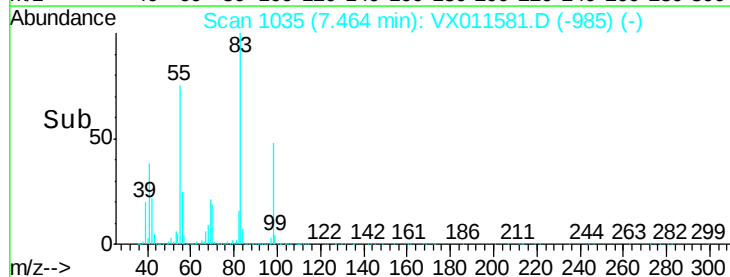
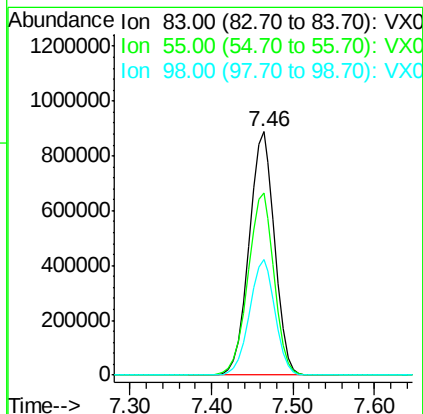
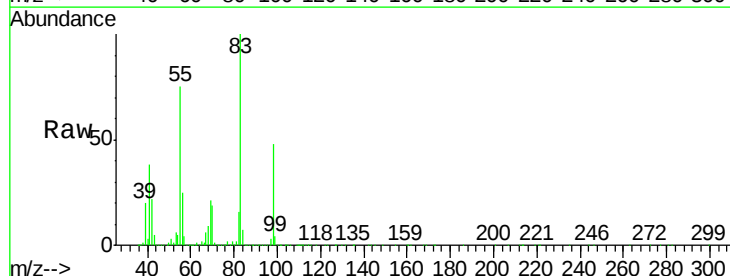
RT: 7.46 min Scan# 1035

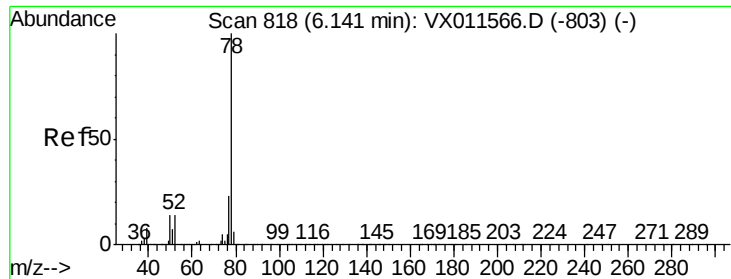
Delta R.T. 0.01 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Tgt Ion:	83	Resp:	1934784
Ion Ratio	Lower	Upper	
83	100		
55	74.6	58.8	88.2
98	47.6	37.8	56.6





#40

Benzene

Concen: 1144.769 ug/l

RT: 6.15 min Scan# 819

Delta R.T. 0.01 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

PH2-0137

Tot Ion: 78 Resp:19204567

Ion Ratio Lower Upper

78 100

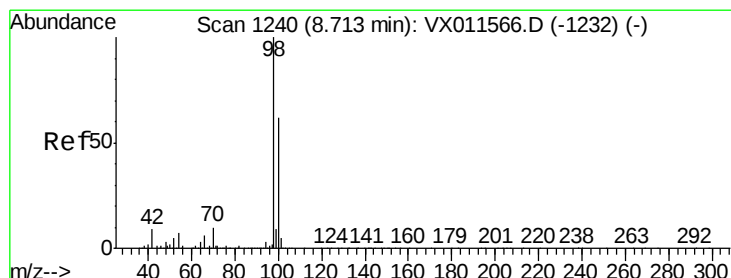
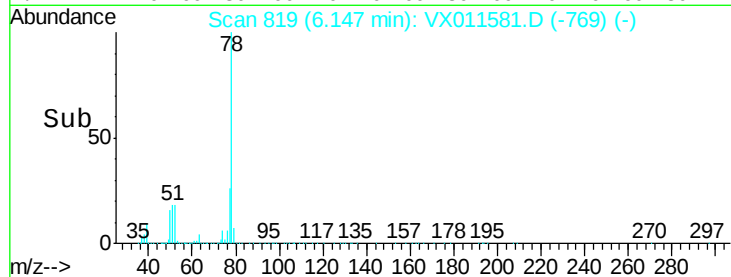
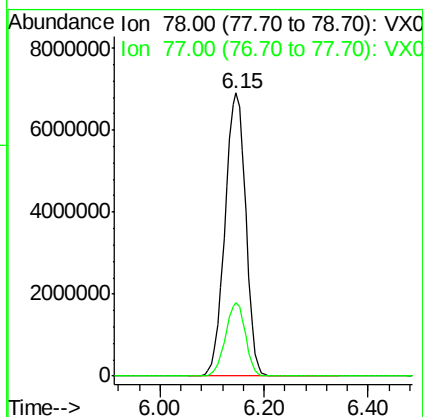
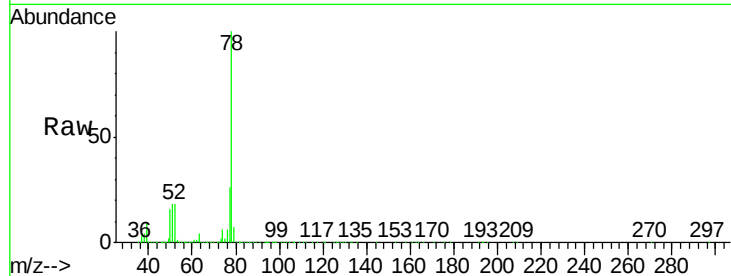
77 26.2 18.6 28.0

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#50

Toluene-d8

Concen: 57.920 ug/l

RT: 8.72 min Scan# 1241

Delta R.T. 0.01 min

Lab File: VX011581.D

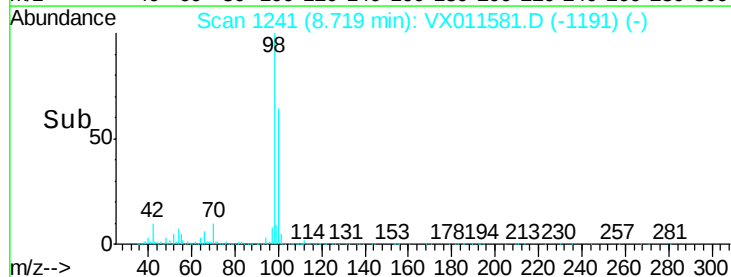
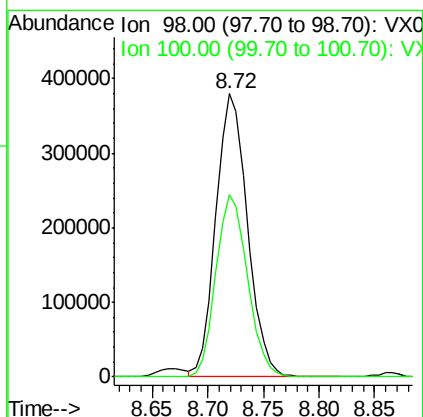
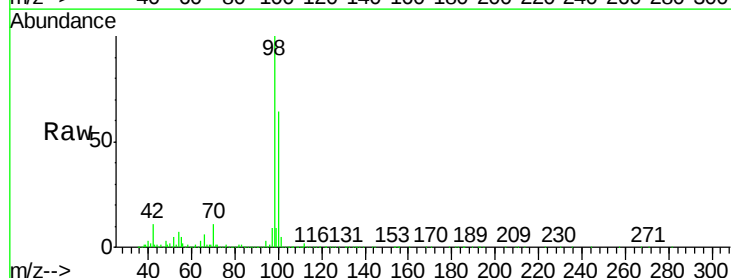
Acq: 16 Aug 2019 15:14

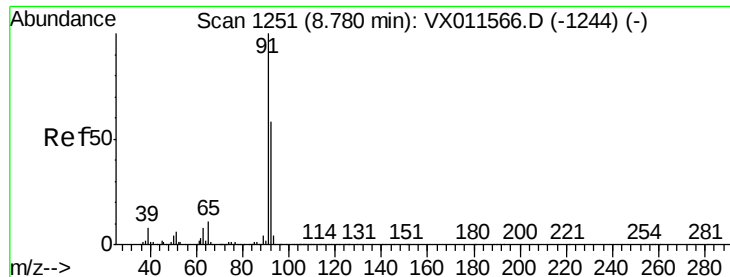
Tgt Ion: 98 Resp: 745305

Ion Ratio Lower Upper

98 100

100 63.9 52.4 78.6





#52

Toluene

Concen: 2991.002 ug/l m

RT: 8.79 min Scan# 1252

Delta R.T. 0.01 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

PH2-0137

Tot Ion: 92 Resp: 31966893

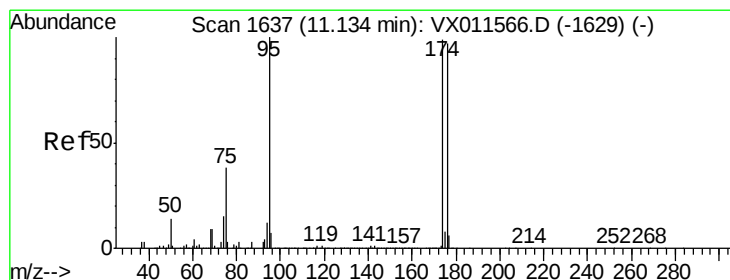
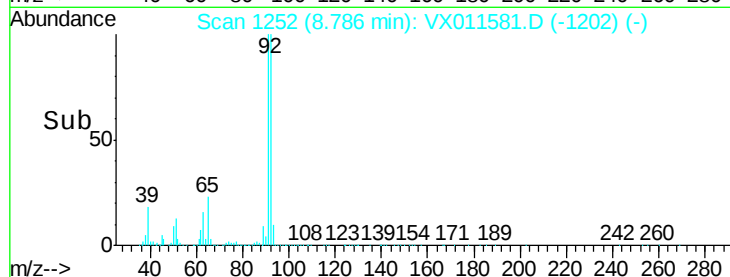
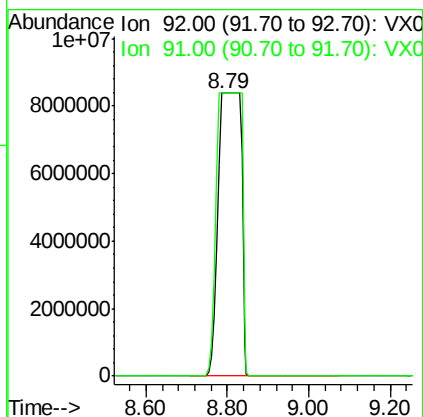
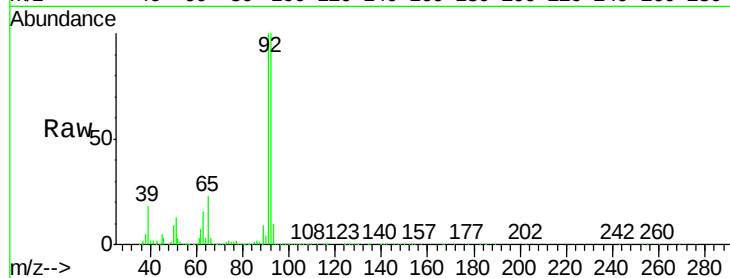
Ion Ratio Lower Upper

92 100

91 0.0 138.0 207.0#

Manual Integrations
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#62

4-Bromofluorobenzene

Concen: 43.779 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

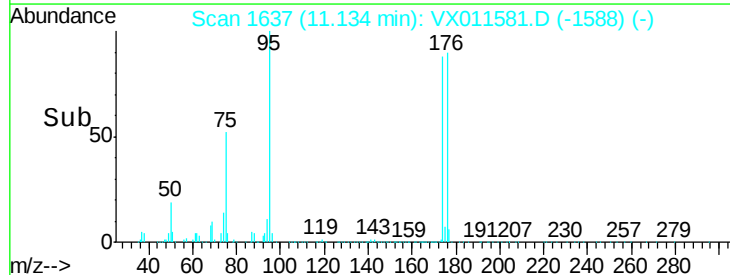
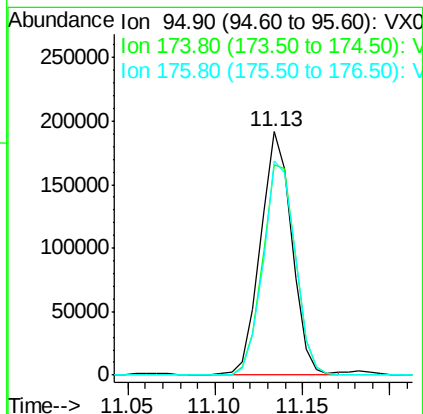
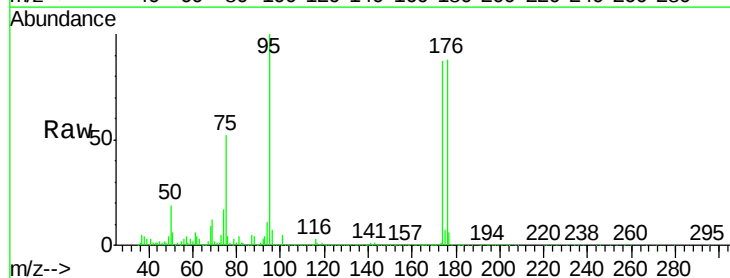
Tgt Ion: 95 Resp: 237775

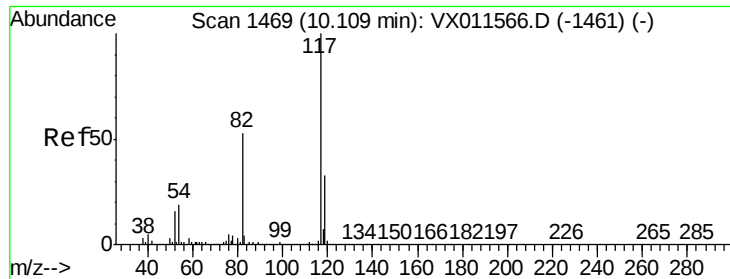
Ion Ratio Lower Upper

95 100

174 91.5 0.0 200.6

176 90.1 0.0 196.6





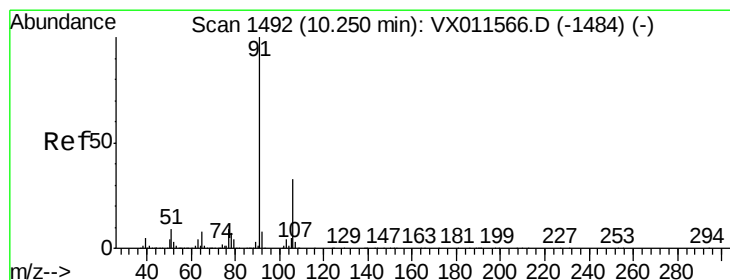
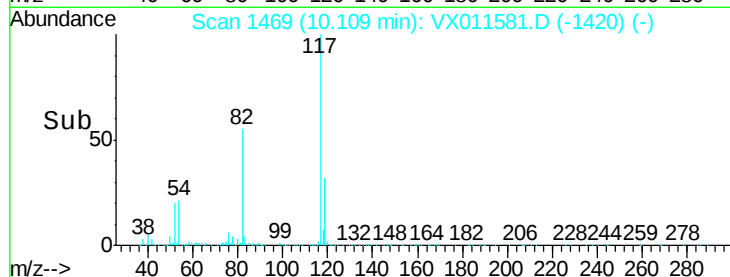
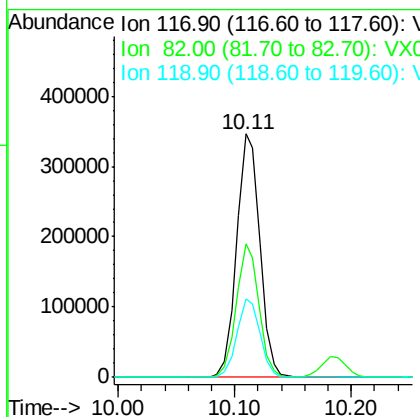
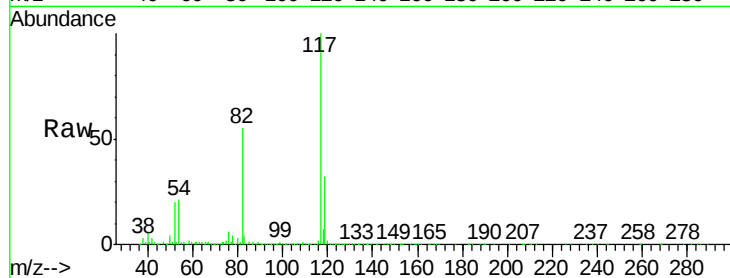
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011581.D
Acq: 16 Aug 2019 15:14

Instrument :
MSVOA_X
ClientSampleId :
PH2-0137

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.7	42.0	63.0
119	32.1	26.5	39.7

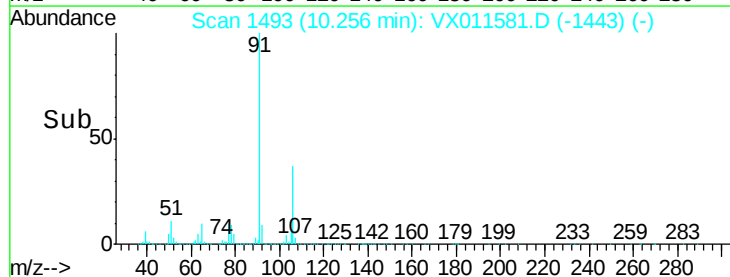
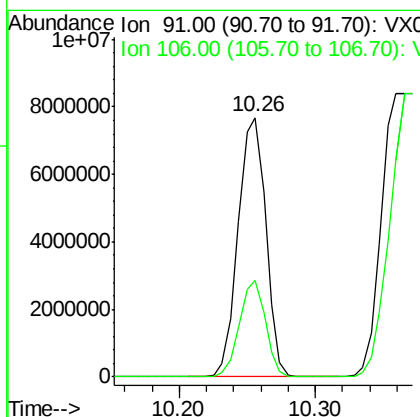
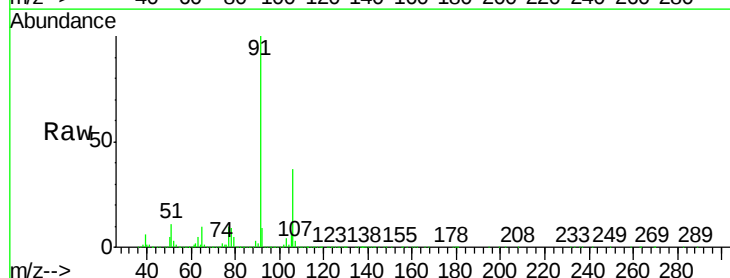
Manual Integrations
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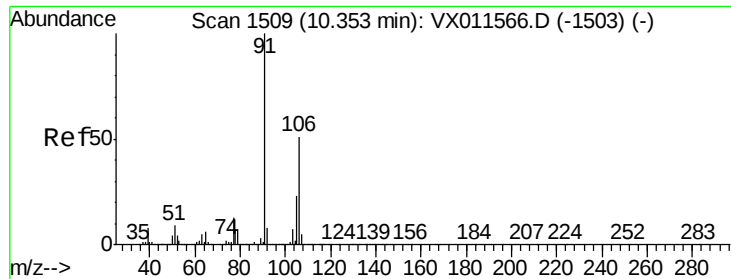
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#67
Ethyl Benzene
Concen: 640.290 ug/l
RT: 10.26 min Scan# 1493
Delta R.T. 0.01 min
Lab File: VX011581.D
Acq: 16 Aug 2019 15:14

Tgt Ion	Ratio	Lower	Upper
91	100		
106	37.1	26.0	39.0





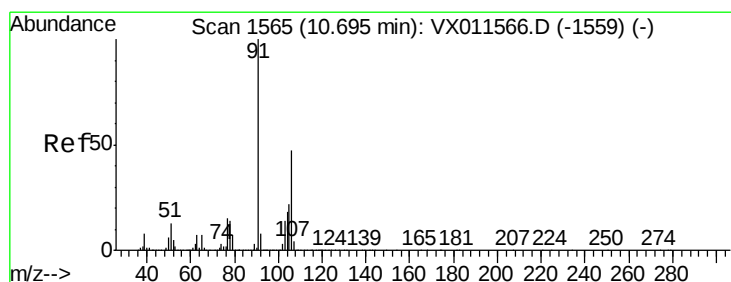
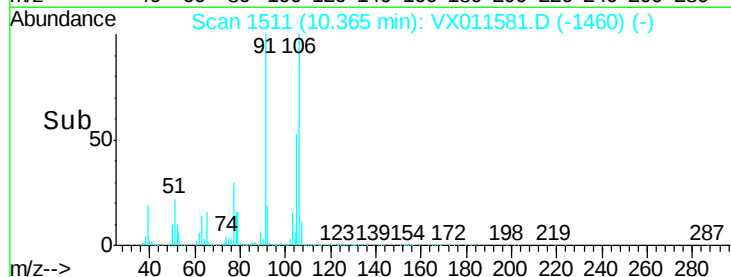
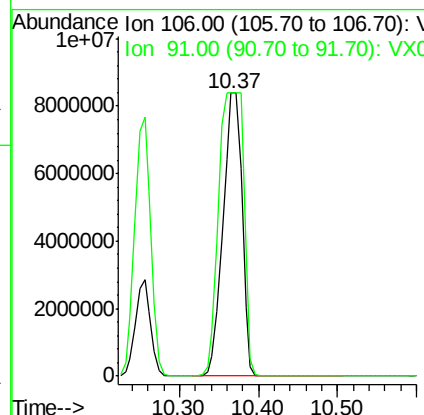
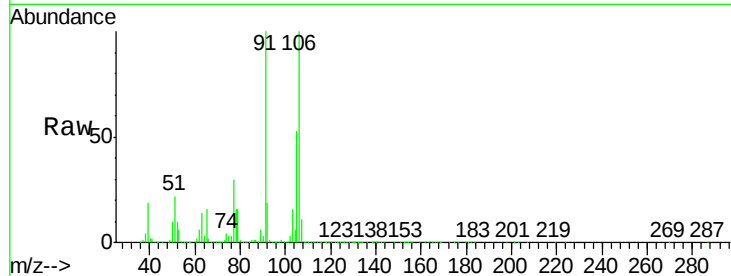
#68
m/p-Xvlenes
Concen: 2142.379 ug/l
RT: 10.37 min Scan# 1511
Delta R.T. 0.01 min
Lab File: VX011581.D
Acq: 16 Aug 2019 15:14

Instrument :
MSVOA_X
ClientSampled :
PH2-0137

Tot Ion:106 Resp:14051952
Ion Ratio Lower Upper
106 100
91 132.2 156.0 234.0#

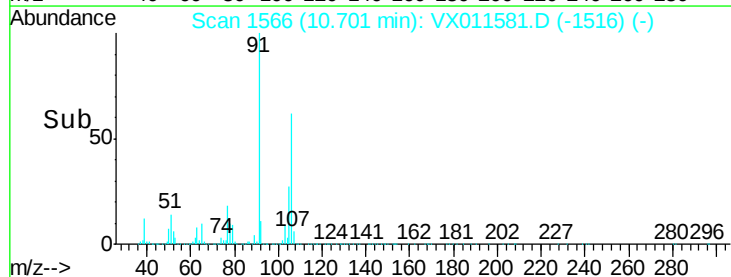
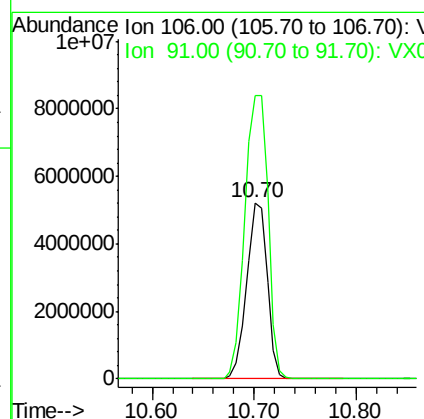
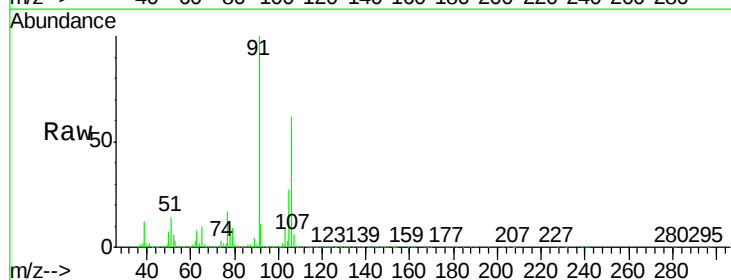
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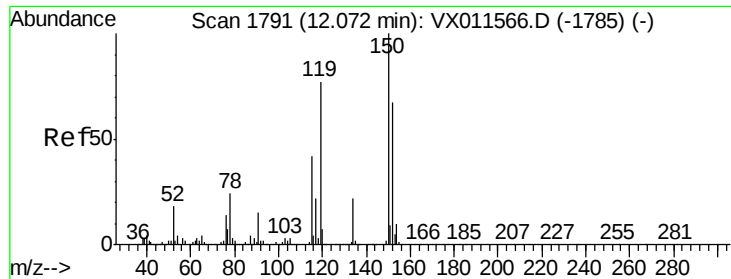
MMDadoda
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#69
o-Xylene
Concen: 1126.980 ug/l
RT: 10.70 min Scan# 1566
Delta R.T. 0.01 min
Lab File: VX011581.D
Acq: 16 Aug 2019 15:14

Tgt Ion:106 Resp: 7240621
Ion Ratio Lower Upper
106 100
91 182.1 105.5 316.4





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1791

Delta R.T. 0.00 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

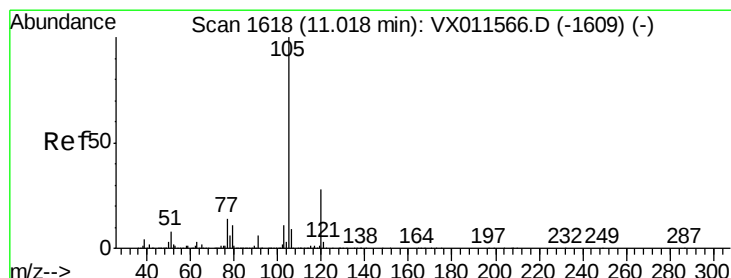
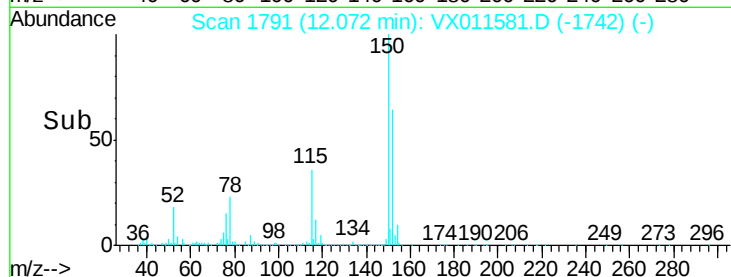
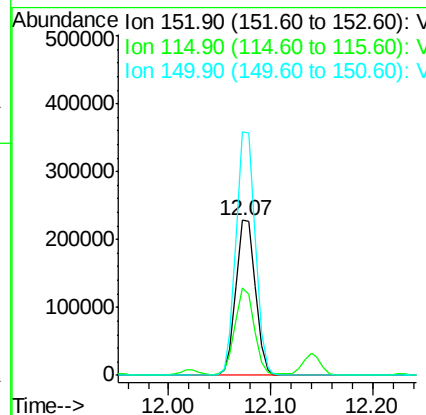
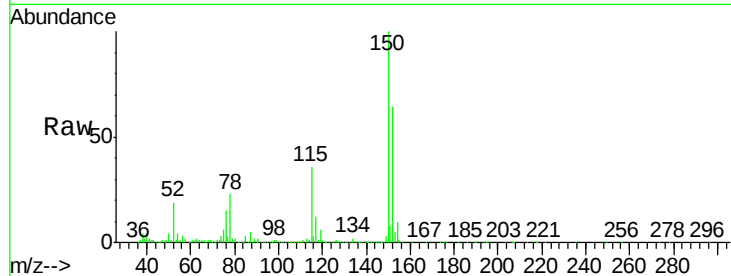
ClientSampleId :

PH2-0137

Tot Ion:	152	Resp:	299122
Ion Ratio	Lower	Upper	
152	100		
115	55.6	37.3	111.9
150	154.8	0.0	346.2

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#73

Isopropylbenzene

Concen: 28.726 ug/l

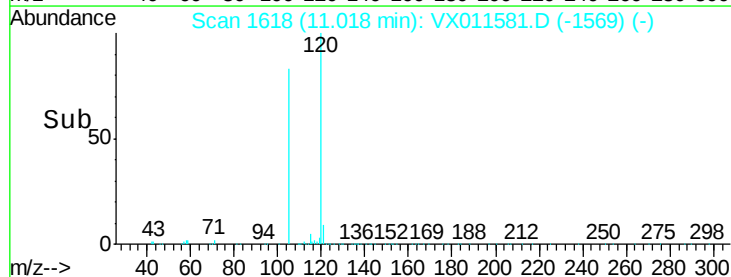
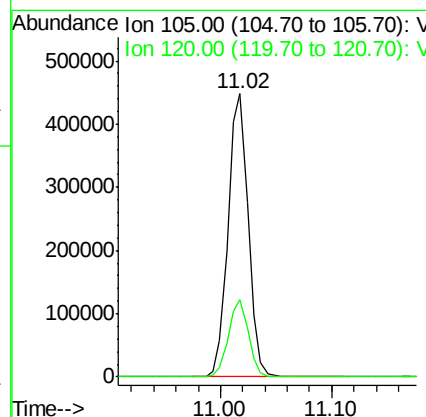
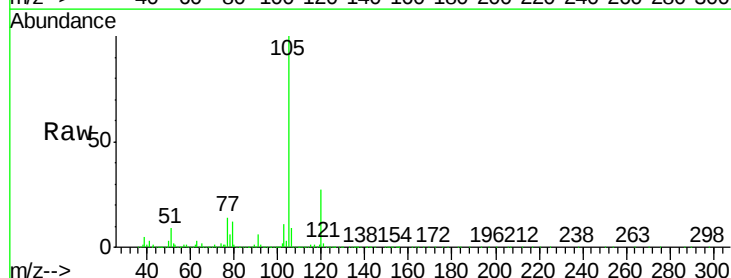
RT: 11.02 min Scan# 1618

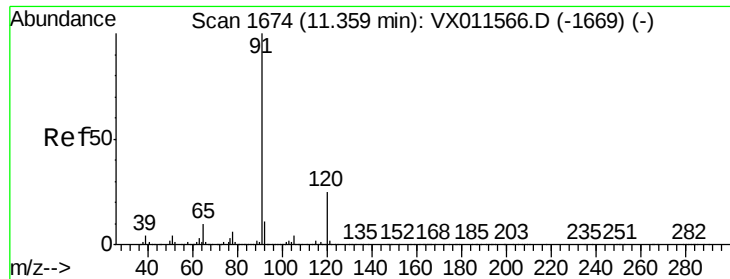
Delta R.T. 0.00 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Tgt Ion:	105	Resp:	557553
Ion Ratio	Lower	Upper	
105	100		
120	27.0	14.0	41.9





#78

n-propylbenzene

Concen: 24.113 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

ClientSampleId :

PH2-0137

Tot Ion: 91 Resp: 504677

Ion Ratio Lower Upper

91 100

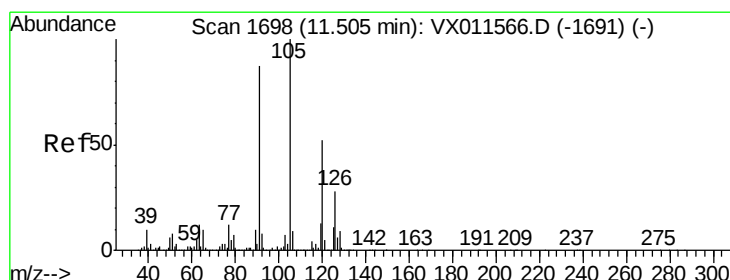
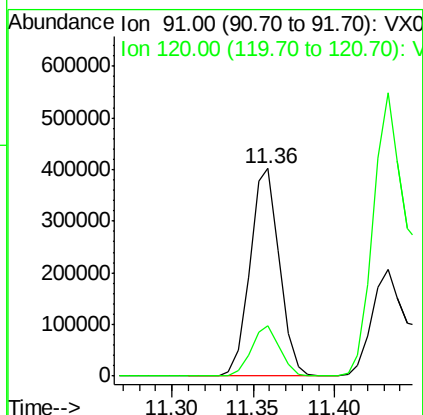
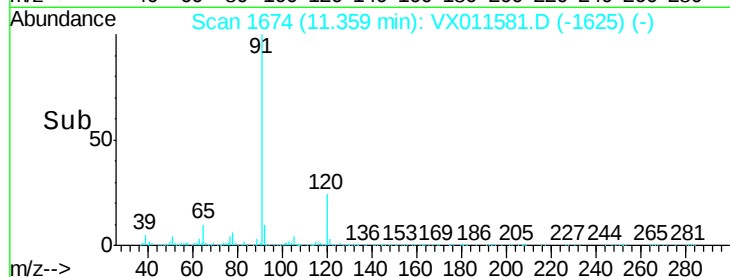
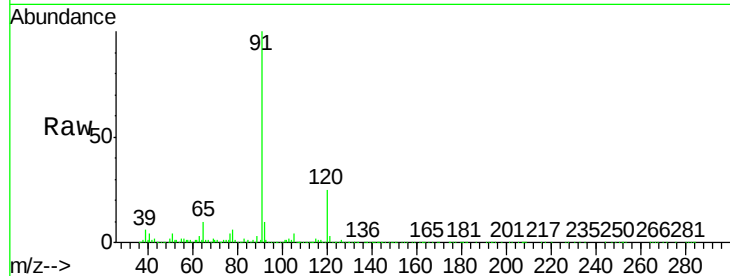
120 23.9 12.6 37.6

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#80

1,3,5-Trimethylbenzene

Concen: 62.669 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011581.D

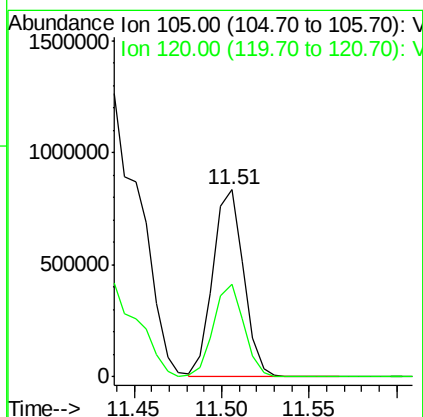
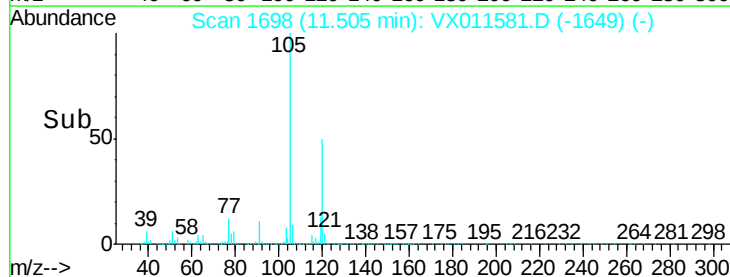
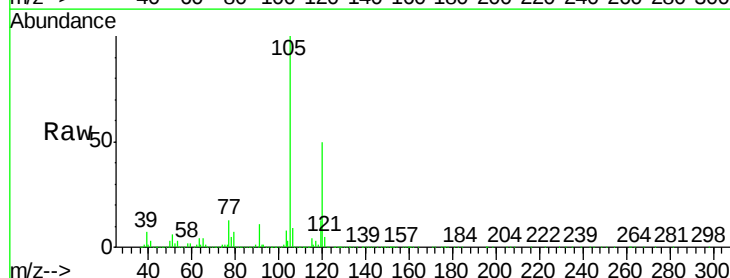
Acq: 16 Aug 2019 15:14

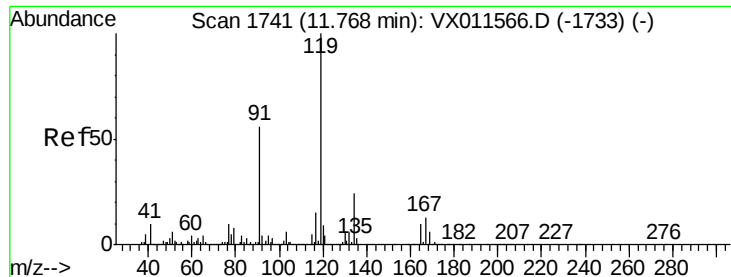
Tgt Ion: 105 Resp: 1021801

Ion Ratio Lower Upper

105 100

120 49.1 25.3 75.8





#83

tert-Butylbenzene

Concen: 0.353 ug/l m

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011581.D

Acq: 16 Aug 2019 15:14

Instrument :

MSVOA_X

ClientSampled :

PH2-0137

Tot Ion:119 Resp: 5858

Ion Ratio Lower Upper

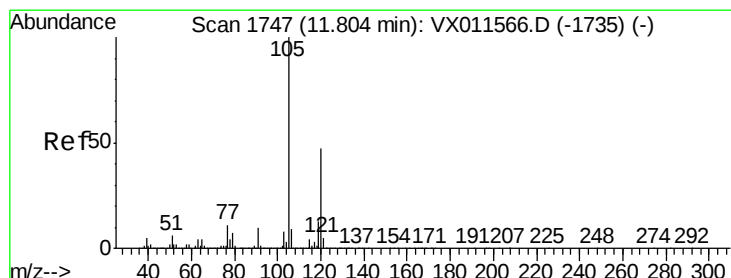
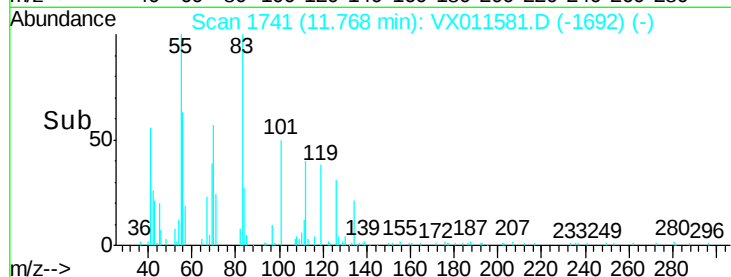
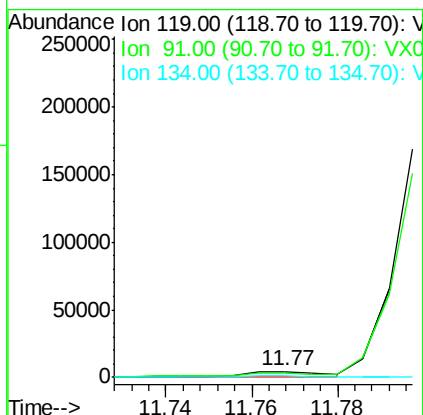
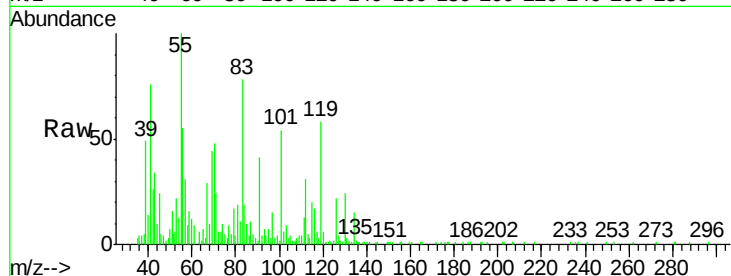
119 100

91 4663.4 27.1 81.3

134 0.0 11.8 35.3#

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 158.603 ug/l

RT: 11.80 min Scan# 1747

Delta R.T. 0.00 min

Lab File: VX011581.D

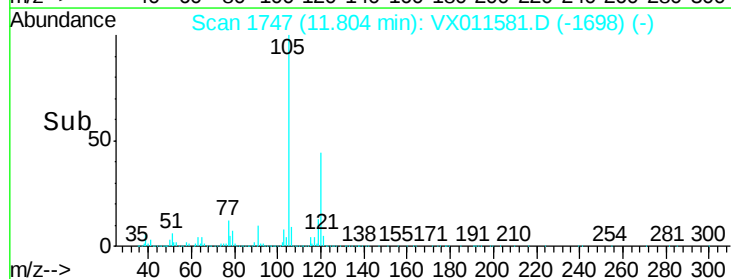
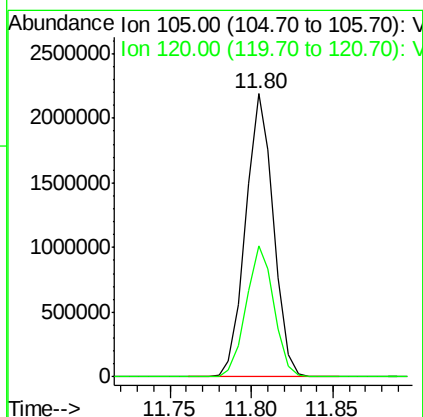
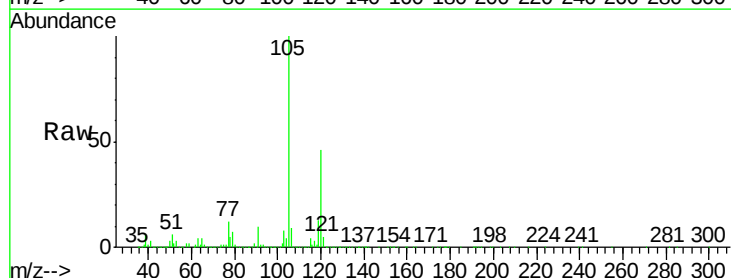
Acq: 16 Aug 2019 15:14

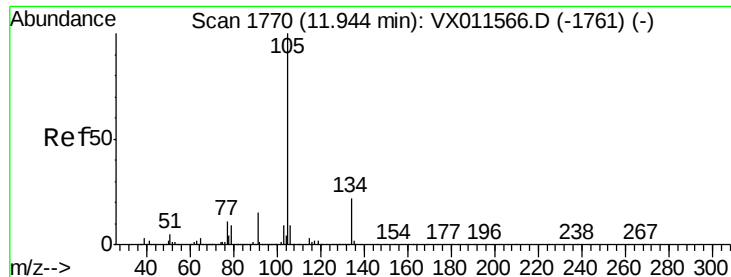
Tgt Ion:105 Resp: 2596136

Ion Ratio Lower Upper

105 100

120 46.3 23.3 69.9





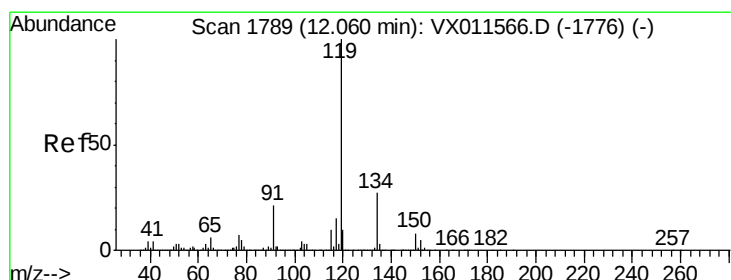
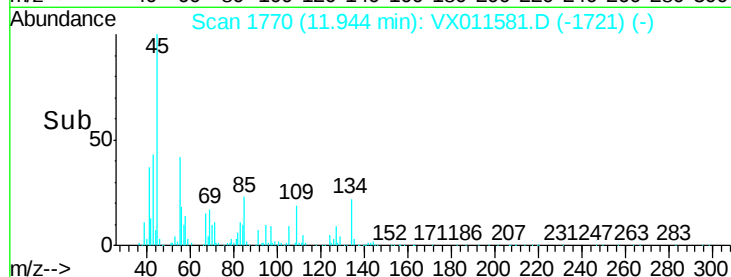
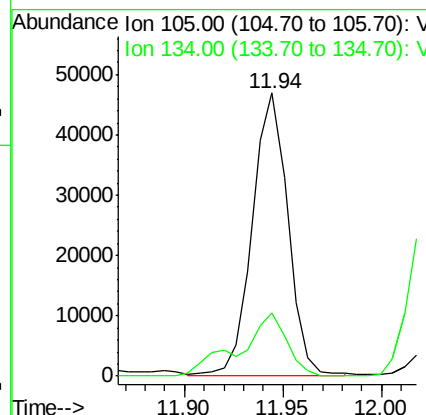
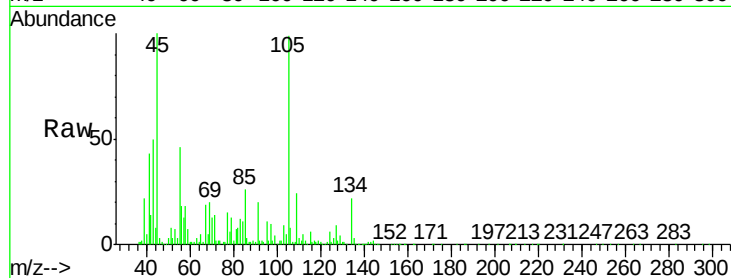
#85
 sec-Butylbenzene
 Concen: 3.149 ug/l m
 RT: 11.94 min Scan# 1770
 Delta R.T. 0.00 min
 Lab File: VX011581.D
 Acq: 16 Aug 2019 15:14

Instrument :
 MSVOA_X
 ClientSampled :
 PH2-0137

Tot Ion	Ratio	Lower	Upper
105	100		
134	0.0	10.8	32.4#

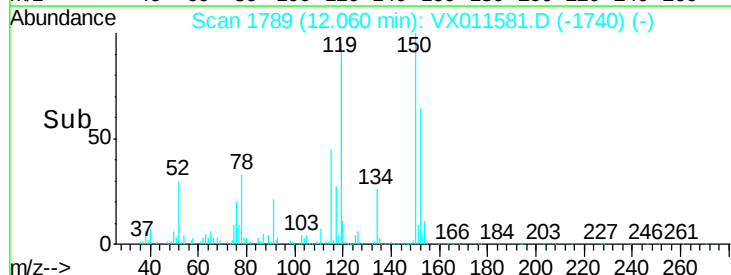
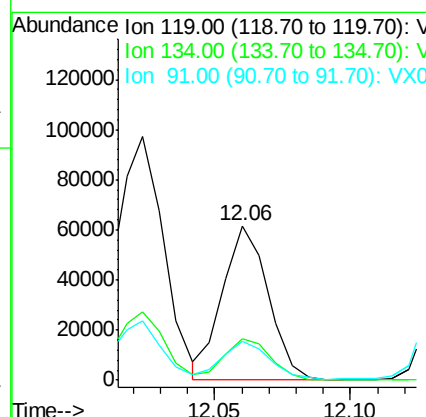
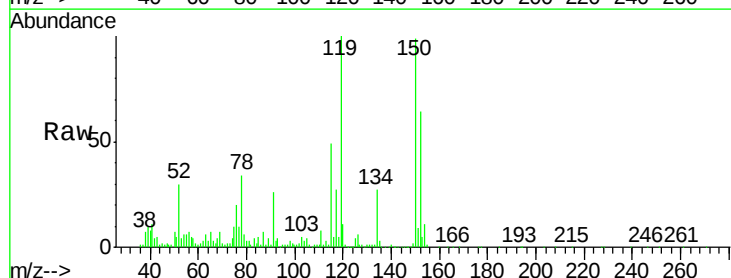
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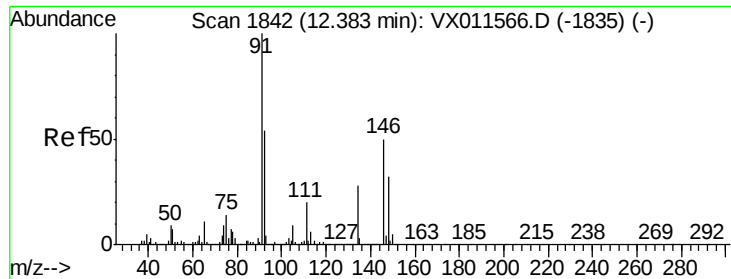
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#86
 p-Isopropyltoluene
 Concen: 4.054 ug/l
 RT: 12.06 min Scan# 1789
 Delta R.T. 0.00 min
 Lab File: VX011581.D
 Acq: 16 Aug 2019 15:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	27.8	13.6	40.8
91	24.8	10.9	32.9





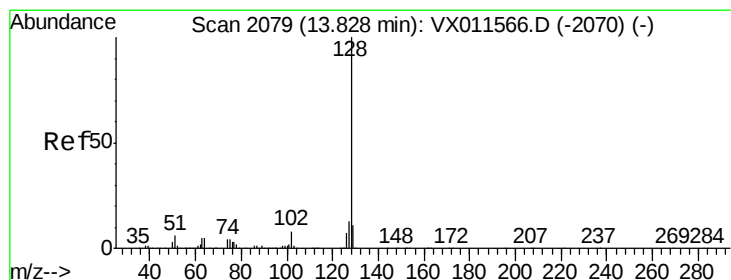
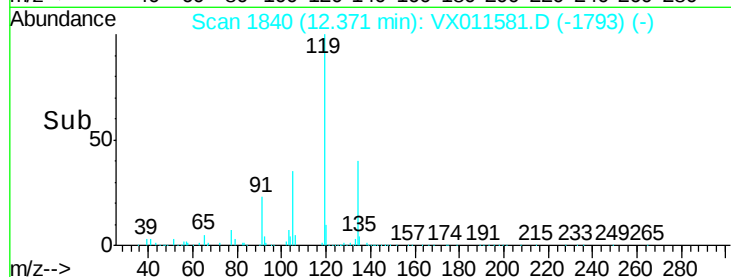
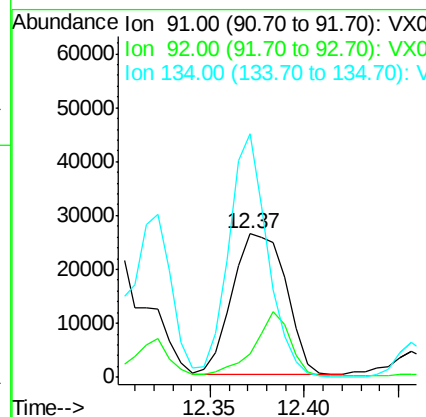
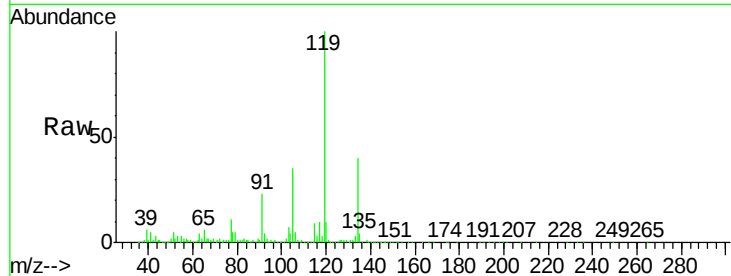
#89
n-Butylbenzene
Concen: 3.577 ug/l
RT: 12.37 min Scan# 1840
Delta R.T. -0.01 min
Lab File: VX011581.D
Acq: 16 Aug 2019 15:14

Instrument :
MSVOA_X
ClientSampled :
PH2-0137

Tot Ion	Ratio	Lower	Upper
91	100		
92	30.8	26.8	80.3
134	124.0	14.6	44.0

Manual Integrations
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#95
Naphthalene
Concen: 26.596 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011581.D
Acq: 16 Aug 2019 15:14

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.3	15.5
129	11.1	8.7	13.1

