

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX081619\
 Data File : VX011584.D
 Acq On : 16 Aug 2019 16:24
 Operator : JC/SP
 Sample : K4368-05
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0141

Manual Integrations
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 8/19/2019 10:30:47 AM

Quant Time: Aug 19 10:47:40 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	5.65	168	459918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	636829	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	564448	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.08	152	255462	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.06	65	212985	49.94	ug/l	0.00
Spiked Amount			Recovery	=	99.88%	
35) Dibromofluoromethane	5.49	113	183276	44.00	ug/l	0.00
Spiked Amount			Recovery	=	88.00%	
50) Toluene-d8	8.71	98	734471	56.59	ug/l	0.00
Spiked Amount			Recovery	=	113.18%	
62) 4-Bromofluorobenzene	11.13	95	251114	45.84	ug/l	0.00
Spiked Amount			Recovery	=	91.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	2.43	43	4411	2.057	ug/l	98
31) Cyclohexane	5.58	56	4966757	785.371	ug/l	96
39) Methylcyclohexane	7.46	83	2523539	375.306	ug/l	99
52) Toluene	8.78	92	29659	2.751	ug/l	98
67) Ethyl Benzene	10.25	91	14971687	745.148	ug/l #	74
68) m/p-Xylenes	10.37	106	18202388	2360.131	ug/l #	1
69) o-Xylene	10.69	106	1368592	181.160	ug/l	98
73) Isopropylbenzene	11.02	105	1995715	120.394	ug/l	99
78) n-propylbenzene	11.36	91	2224098	124.428	ug/l	99
80) 1,3,5-Trimethylbenzene	11.51	105	2932310	210.580	ug/l	98
83) tert-Butylbenzene	11.77	119	16657m	1.174	ug/l	
84) 1,2,4-Trimethylbenzene	11.80	105	7992328	571.716	ug/l	97
85) sec-Butylbenzene	11.94	105	146824m	9.176	ug/l	
86) p-Isopropyltoluene	12.06	119	138271	9.186	ug/l	97
95) Naphthalene	13.83	128	3035148	169.328	ug/l	99

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

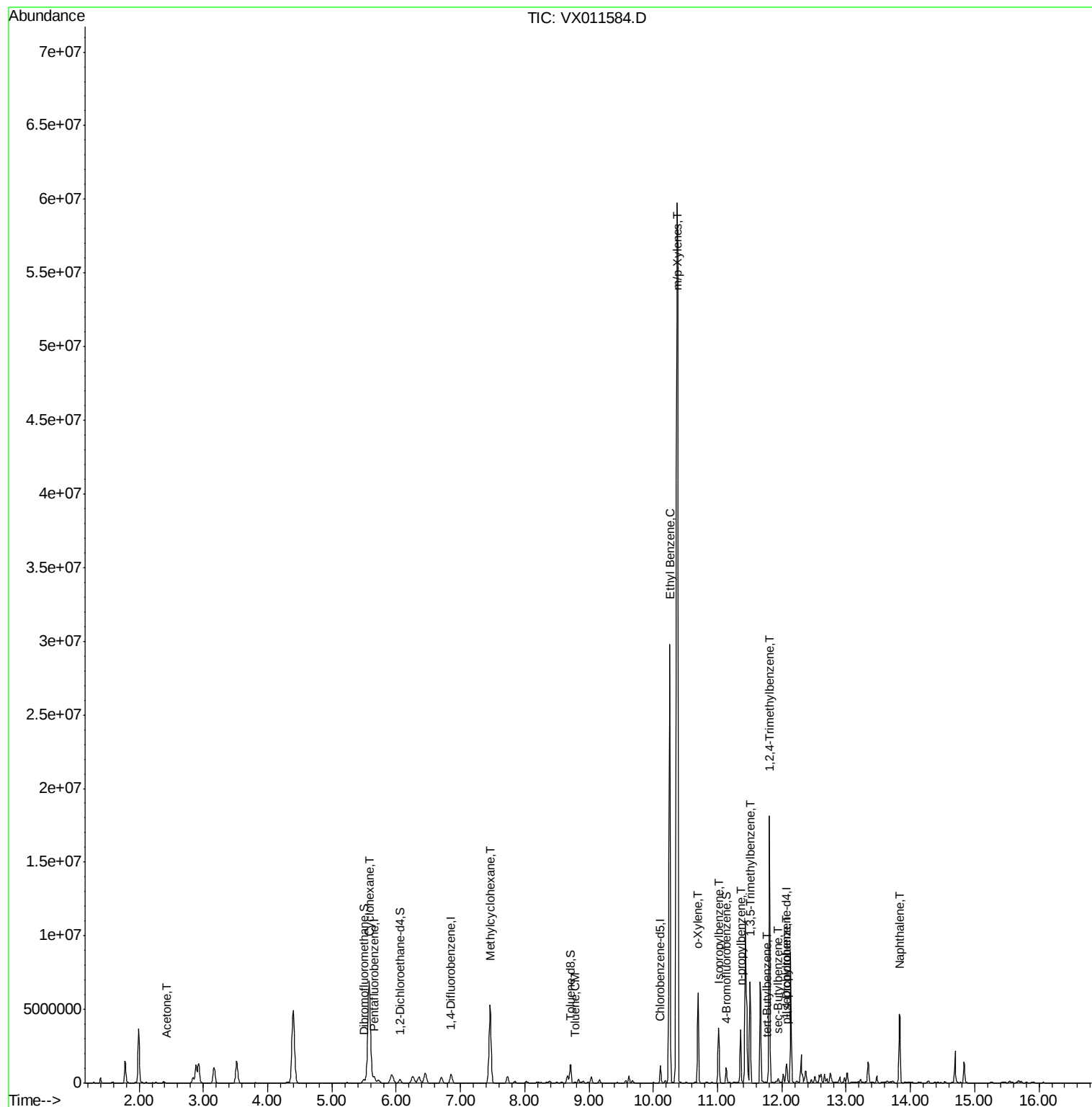
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX081619\
Data File : VX011584.D
Acq On : 16 Aug 2019 16:24
Operator : JC/SP
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Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 15 Sample Multiplier: 1

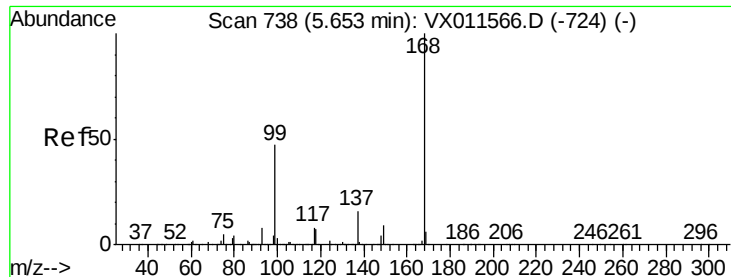
Instrument :
MSVOA_X
ClientSampleId :
PH2-0141

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Quant Time: Aug 19 10:47:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X081519W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 16 04:15:26 2019
Response via : Initial Calibration





#1

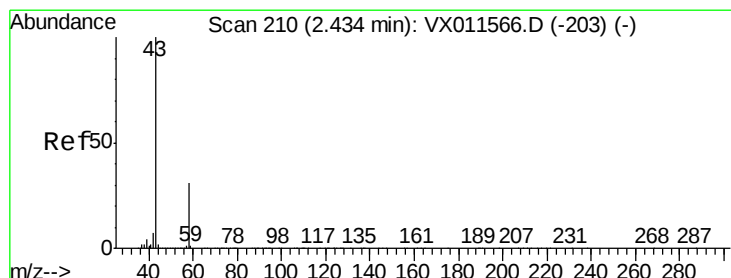
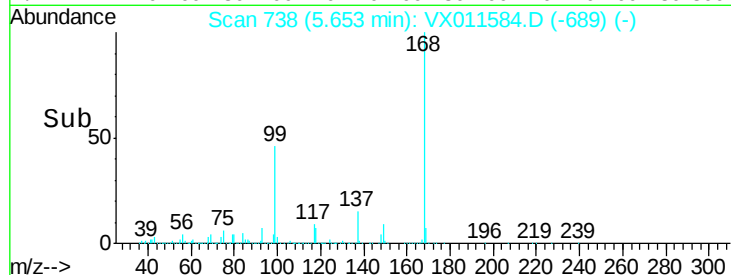
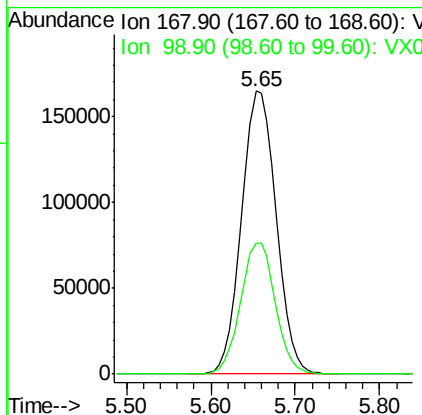
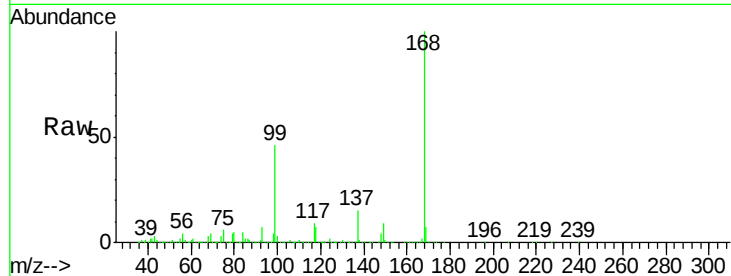
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 738
 Delta R.T. 0.00 min
 Lab File: VX011584.D
 Acq: 16 Aug 2019 16:24

Instrument :
 MSVOA_X
 ClientSampleId :
 PH2-0141

Tot Ion	Ratio	Resp	Lower	Upper
168	100	459918		
99	46.0	37.3	55.9	

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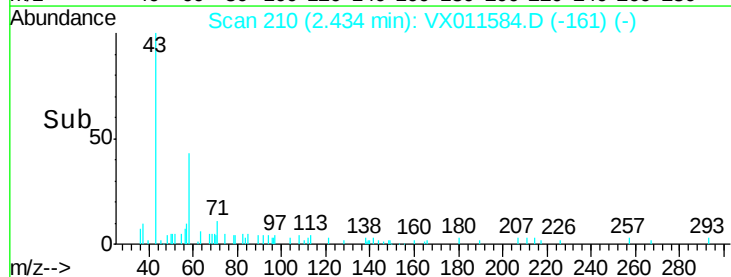
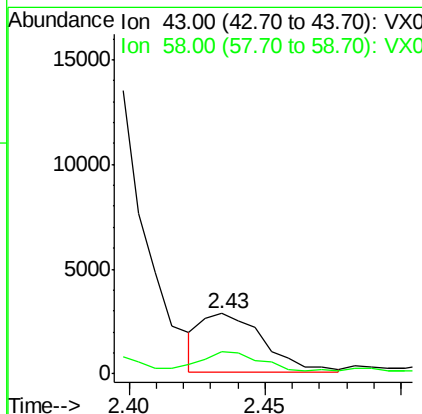
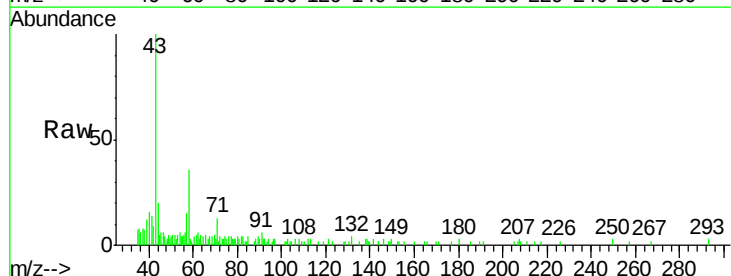
MMDadoda
 8/19/2019 10:30:47 AM

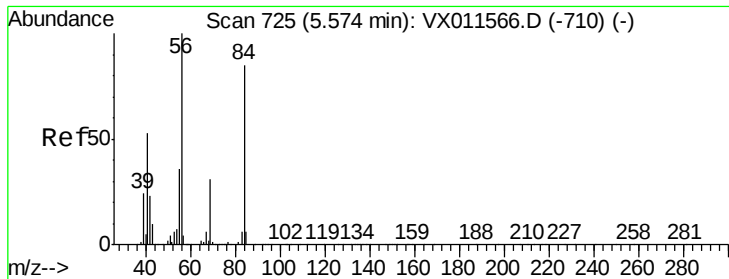


#16

Acetone
 Concen: 2.057 ug/l
 RT: 2.43 min Scan# 210
 Delta R.T. 0.00 min
 Lab File: VX011584.D
 Acq: 16 Aug 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	4411		
58	32.6	25.2	37.8	





#31

Cyclohexane

Concen: 785.371 ug/l

RT: 5.58 min Scan# 726

Delta R.T. 0.01 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

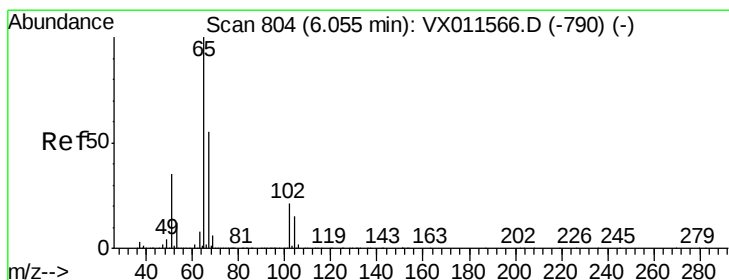
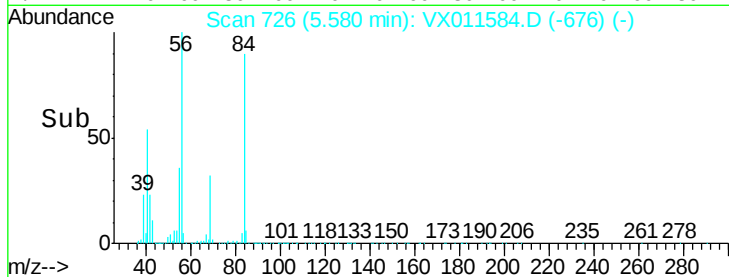
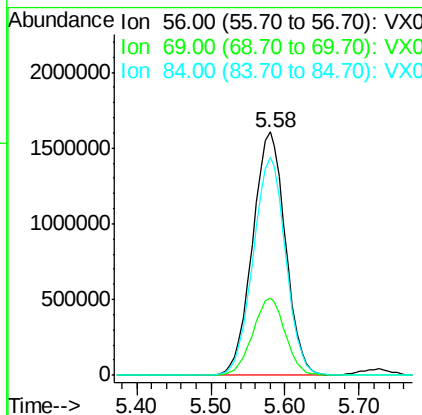
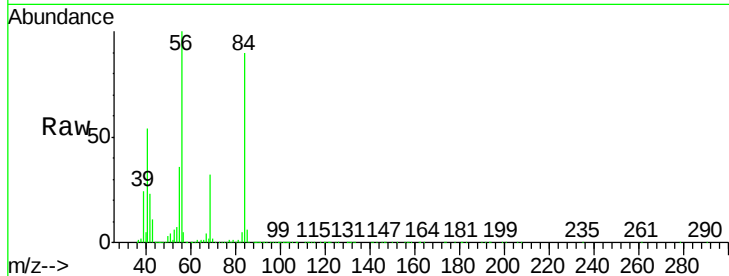
PH2-0141

Tot Ion: 56 Resp: 4966757

Ion	Ratio	Lower	Upper
56	100		
69	31.6	24.8	37.2
84	89.5	67.9	101.9

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#33

1,2-Dichloroethane-d4

Concen: 49.937 ug/l

RT: 6.06 min Scan# 804

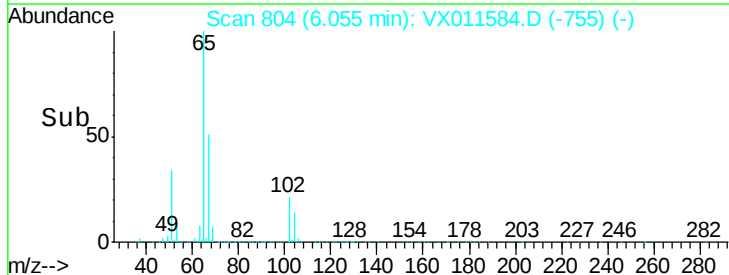
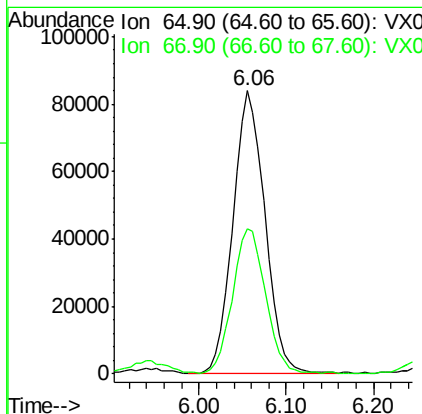
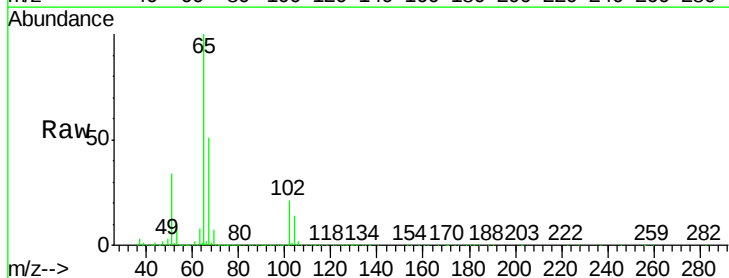
Delta R.T. 0.00 min

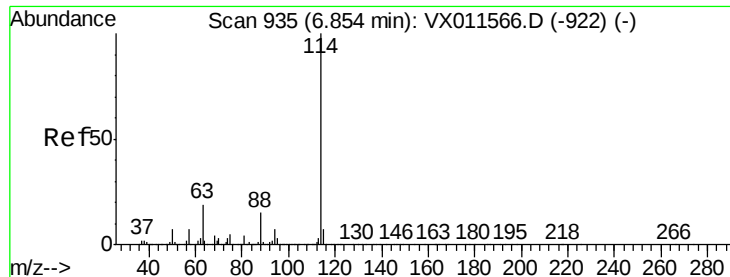
Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Tgt Ion: 65 Resp: 212985

Ion	Ratio	Lower	Upper
65	100		
67	52.4	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: VX011584.D

Acq: 16 Aug 2019 16:24

Instrument :

MSVOA_X

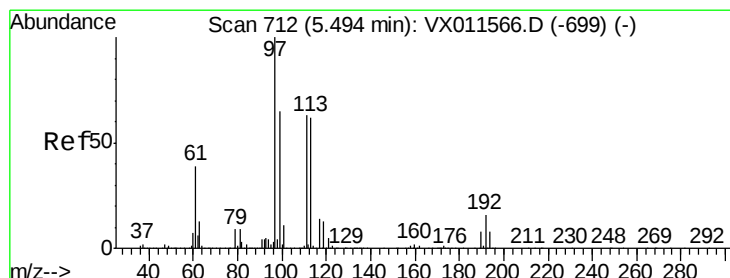
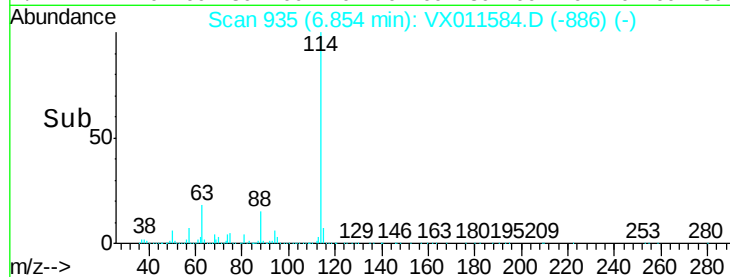
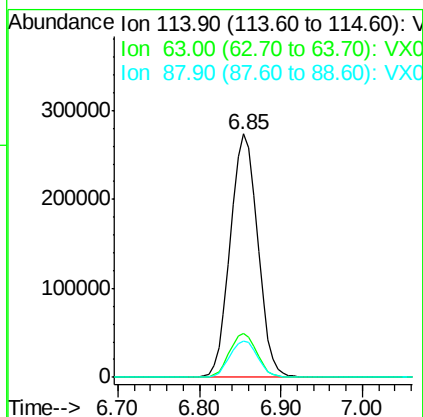
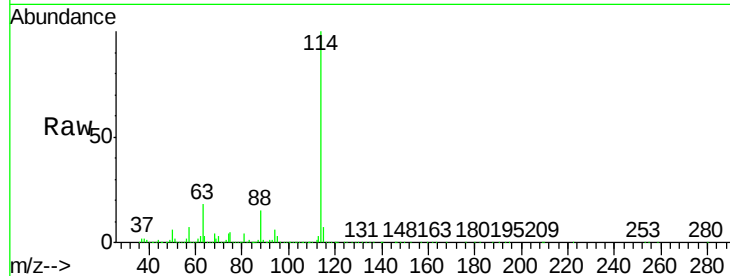
ClientSampleId :

PH2-0141

Tot Ion:	114	Resp:	636829
Ion Ratio		Lower	Upper
114	100		
63	18.2	0.0	37.8
88	15.1	0.0	30.2

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#35

Dibromofluoromethane

Concen: 44.001 ug/l

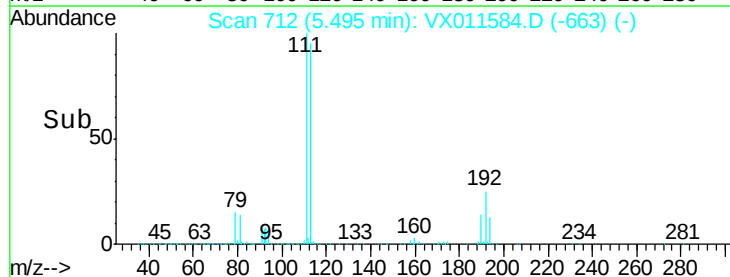
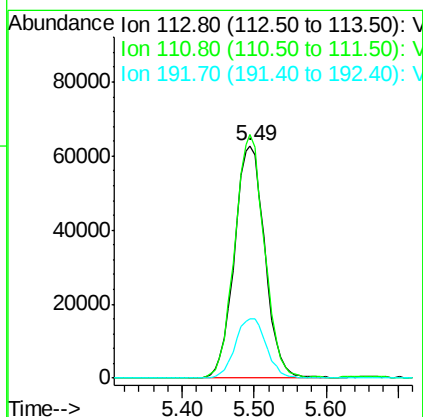
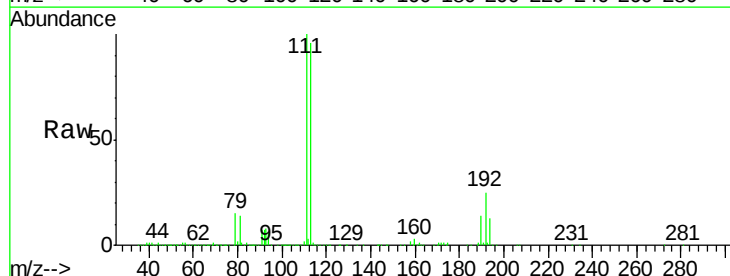
RT: 5.49 min Scan# 712

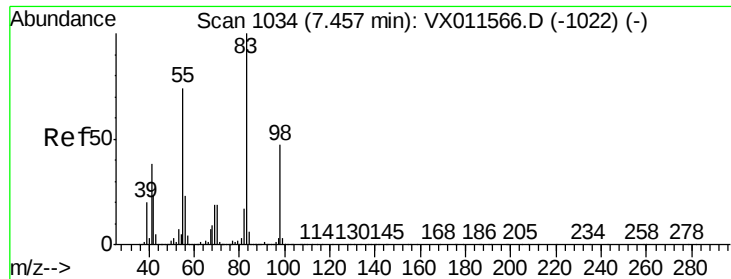
Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Tgt Ion:	113	Resp:	183276
Ion Ratio		Lower	Upper
113	100		
111	102.5	81.1	121.7
192	26.4	20.8	31.2





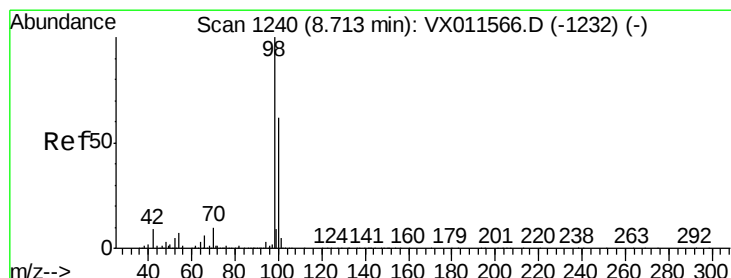
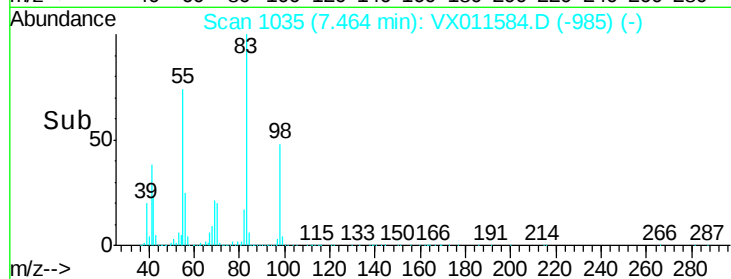
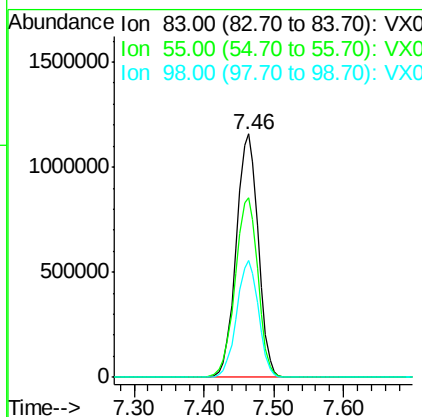
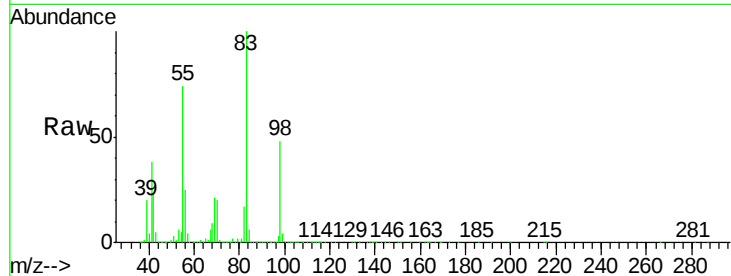
#39
Methylcyclohexane
Concen: 375.306 ug/l
RT: 7.46 min Scan# 1035
Delta R.T. 0.01 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141

Tot Ion: 83 Resp: 2523539
Ion Ratio Lower Upper
83 100
55 73.9 58.8 88.2
98 47.9 37.8 56.6

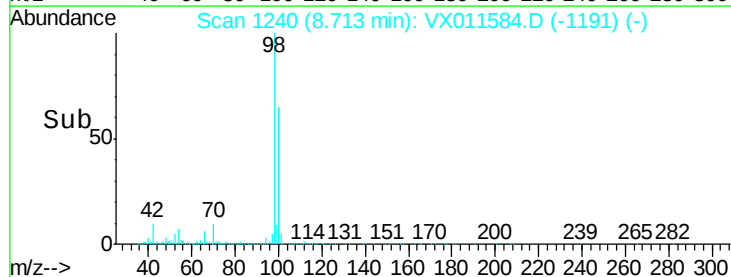
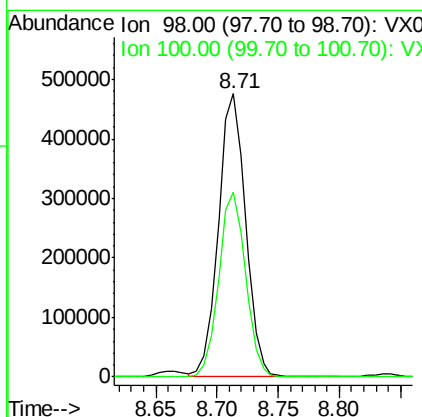
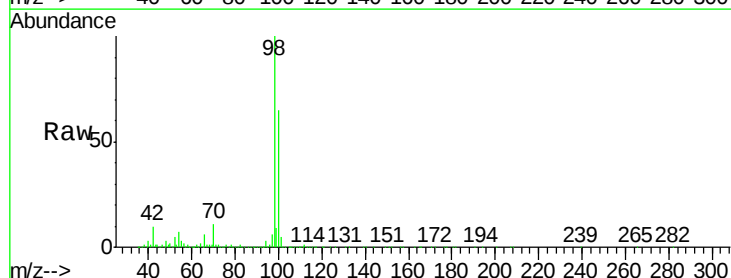
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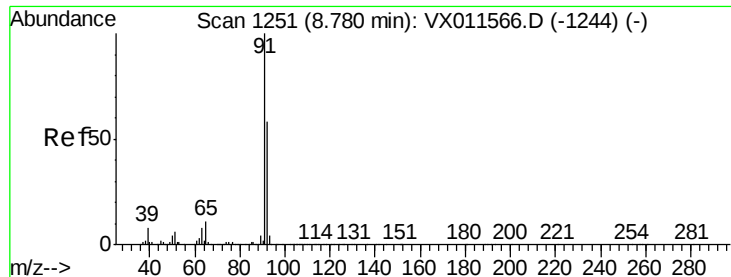
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#50
Toluene-d8
Concen: 56.592 ug/l
RT: 8.71 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Tgt Ion: 98 Resp: 734471
Ion Ratio Lower Upper
98 100
100 64.6 52.4 78.6





#52

Toluene

Concen: 2.751 ug/l

RT: 8.78 min Scan# 1251

Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

PH2-0141

Tot Ion: 92 Resp: 29659

Ion Ratio Lower Upper

92 100

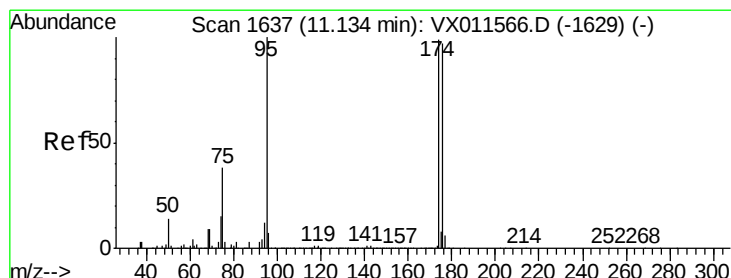
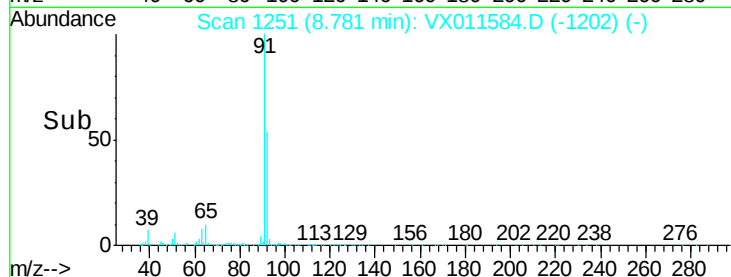
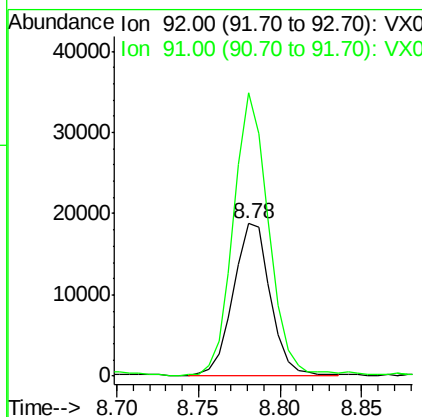
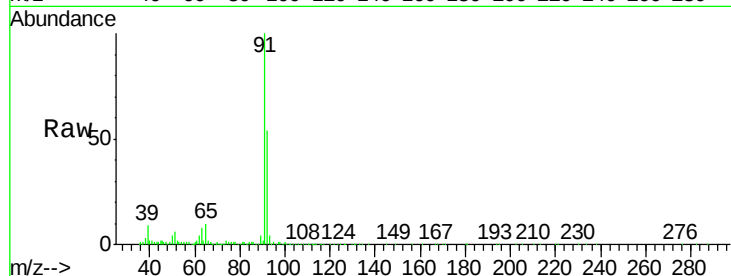
91 175.2 138.0 207.0

Manual Integrations

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#62

4-Bromofluorobenzene

Concen: 45.841 ug/l

RT: 11.13 min Scan# 1637

Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

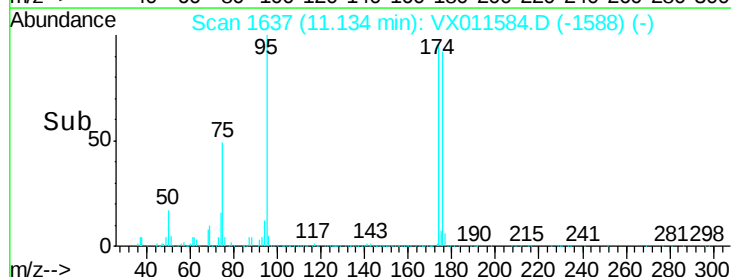
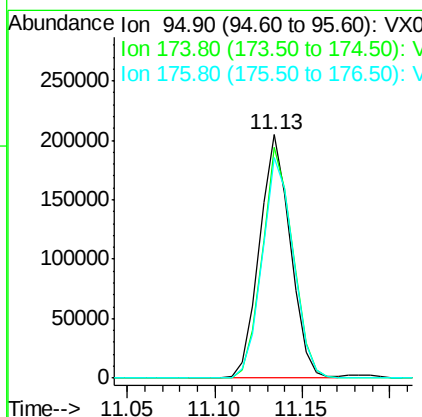
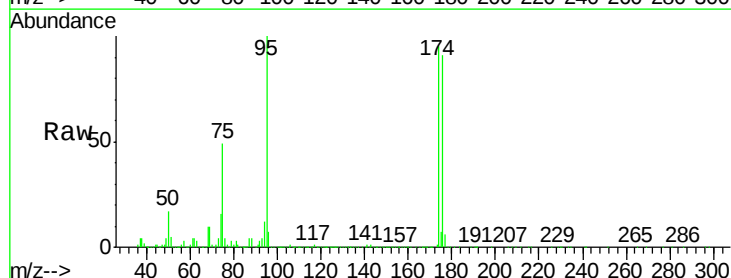
Tgt Ion: 95 Resp: 251114

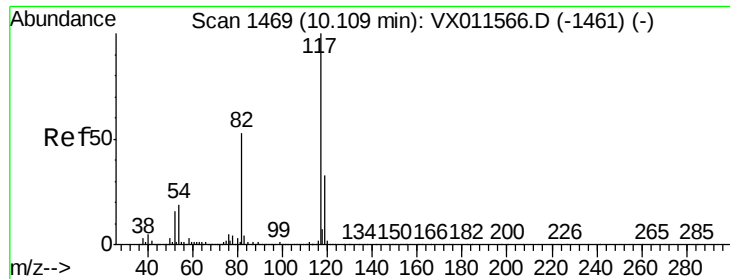
Ion Ratio Lower Upper

95 100

174 93.9 0.0 200.6

176 91.5 0.0 196.6





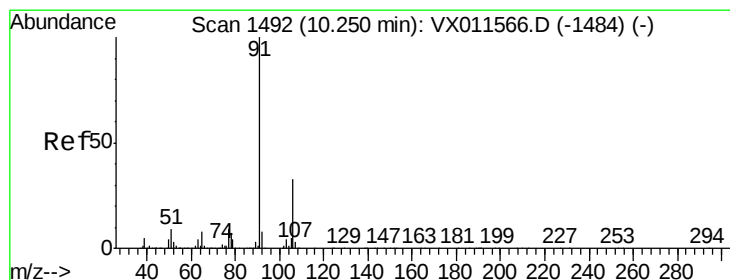
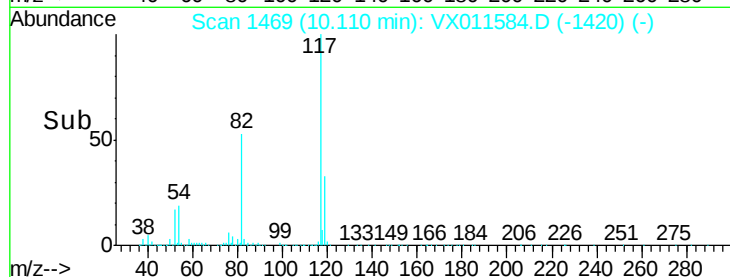
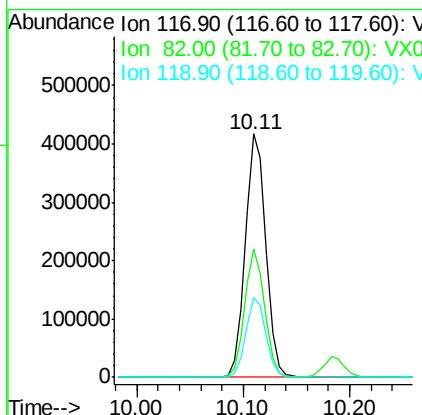
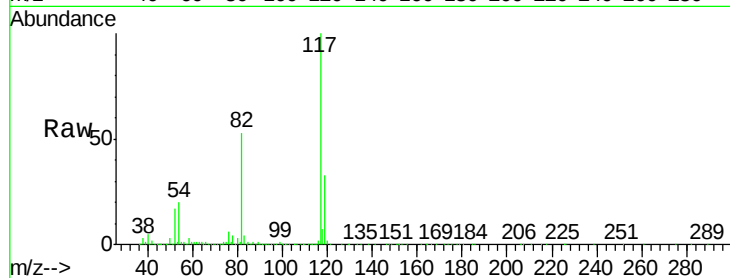
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1469
Delta R.T. 0.00 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Instrument :
MSVOA_X
ClientSampled :
PH2-0141

Tot Ion	Ratio	Resp	Lower	Upper
117	100	564448		
82	52.5		42.0	63.0
119	32.5		26.5	39.7

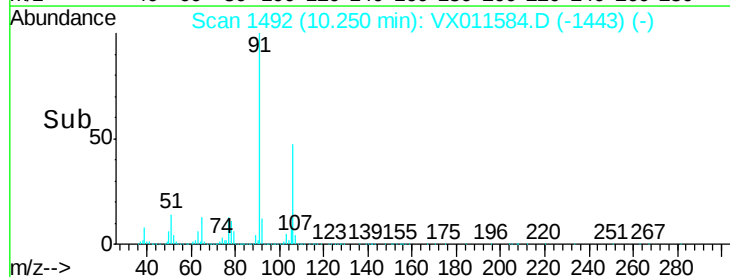
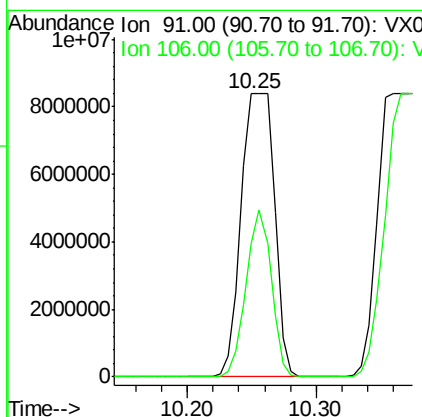
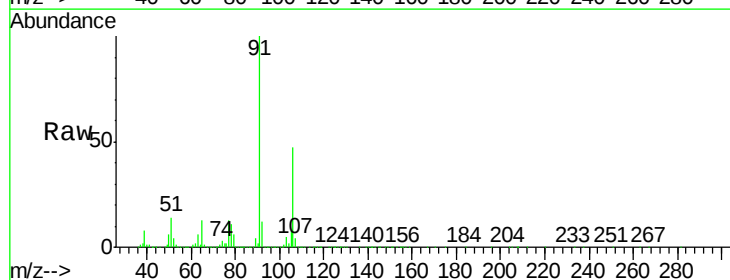
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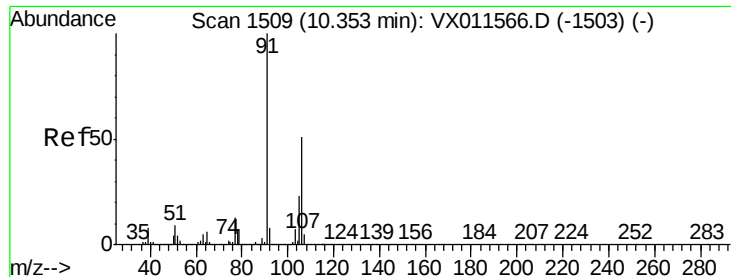
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#67
Ethyl Benzene
Concen: 745.148 ug/l
RT: 10.25 min Scan# 1492
Delta R.T. 0.00 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
91	100	14971687		
106	47.1		26.0	39.0#





#68

m/p-Xylenes

Concen: 2360.131 ug/l

RT: 10.37 min Scan# 1511

Delta R.T. 0.01 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Instrument :

MSVOA_X

ClientSampled :

PH2-0141

Tot Ion:106 Resp:18202388

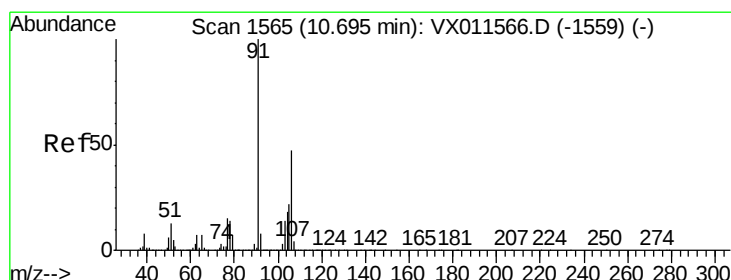
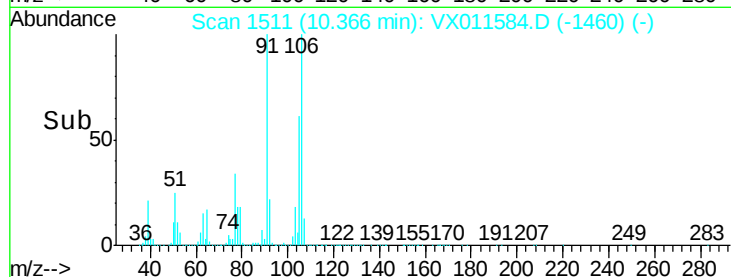
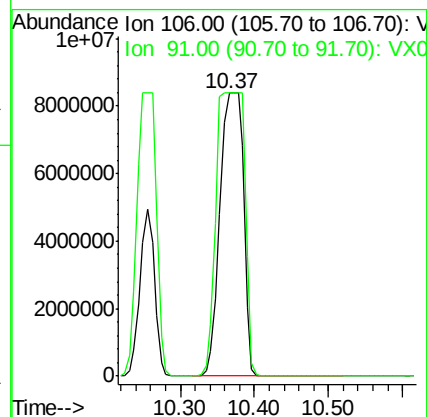
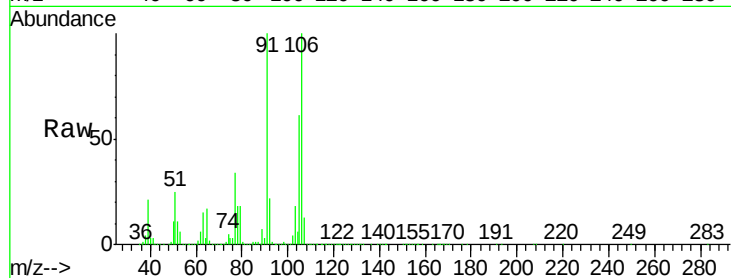
Ion Ratio Lower Upper

106 100

91 0.0 156.0 234.0#

Manual Integrations
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#69

o-Xylene

Concen: 181.160 ug/l

RT: 10.69 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VX011584.D

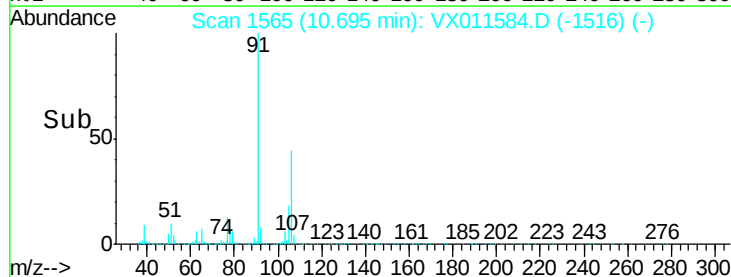
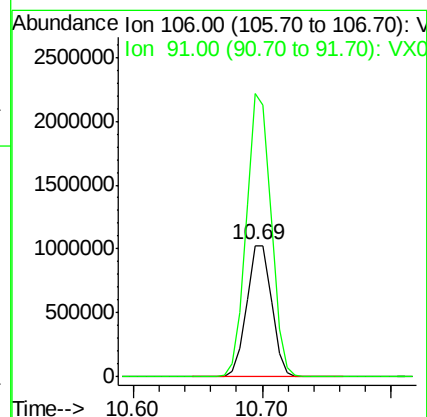
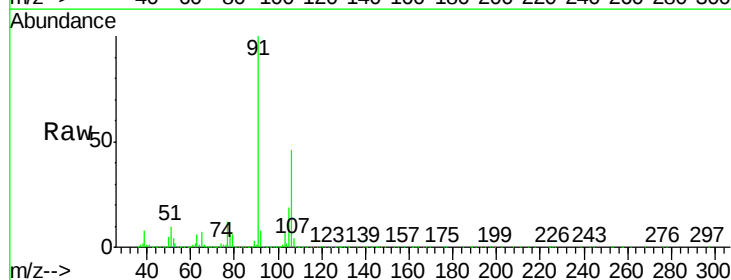
Acq: 16 Aug 2019 16:24

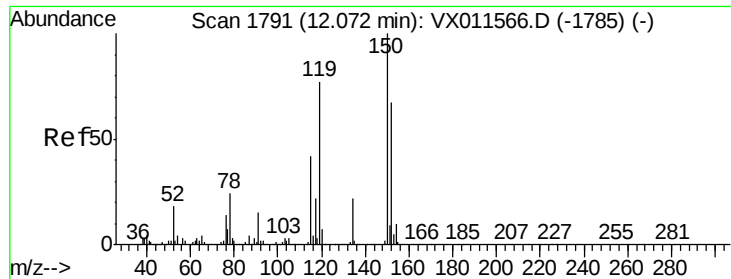
Tgt Ion:106 Resp: 1368592

Ion Ratio Lower Upper

106 100

91 213.3 105.5 316.4





#72

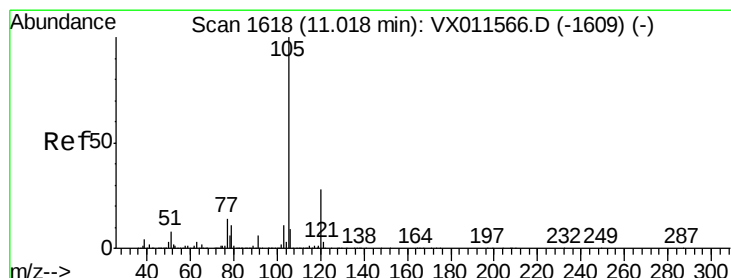
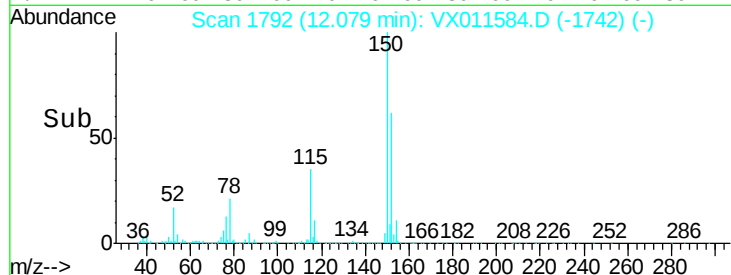
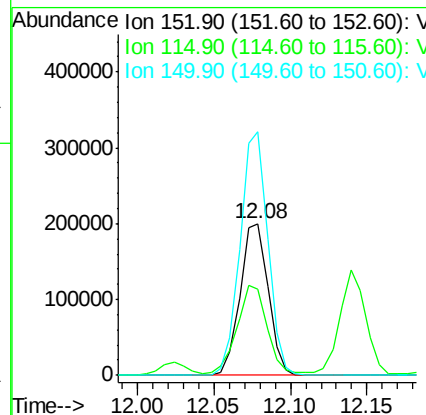
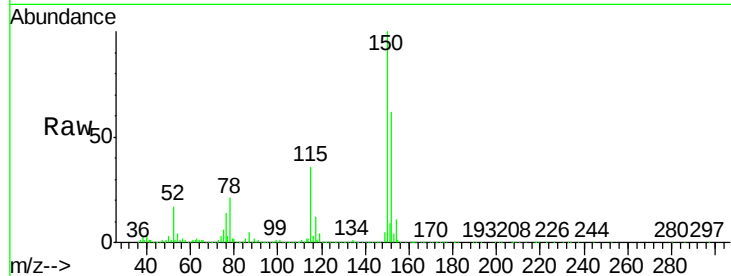
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.08 min Scan# 1792
Delta R.T. 0.01 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141

Tot Ion	Ratio	Resp	Lower	Upper
152	100	255462		
115	62.9	37.3	111.9	
150	157.9	0.0	346.2	

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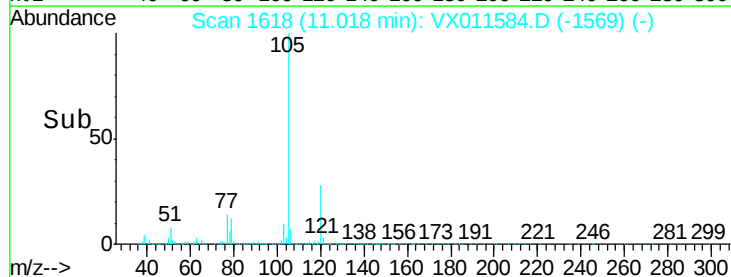
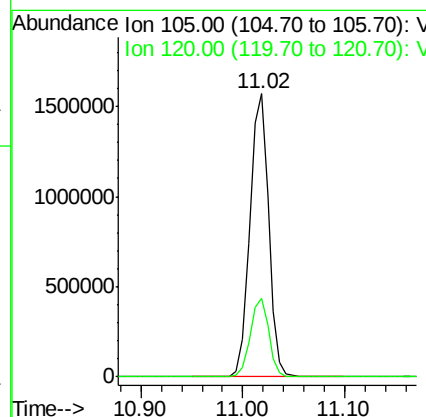
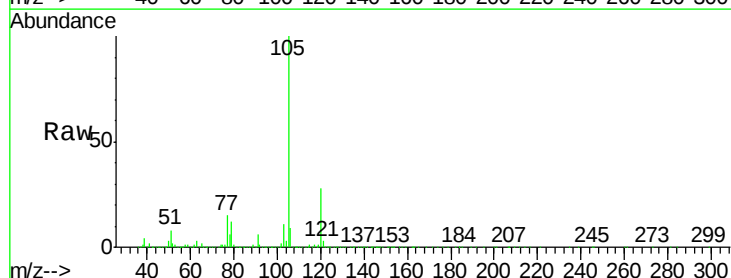
MMDadoda
8/19/2019 10:30:47 AM

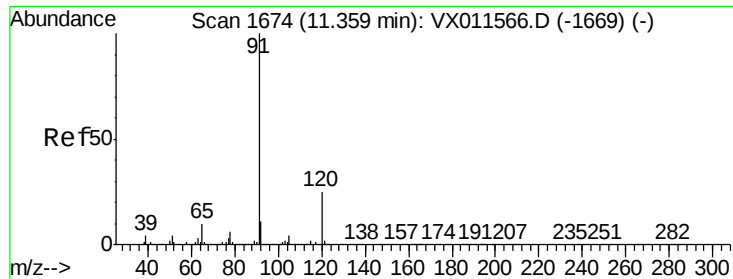


#73

Isopropylbenzene
Concen: 120.394 ug/l
RT: 11.02 min Scan# 1618
Delta R.T. 0.00 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	1995715		
120	27.5	14.0	41.9	





#78

n-propylbenzene

Concen: 124.428 ug/l

RT: 11.36 min Scan# 1674

Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Instrument :

MSVOA_X

ClientSampleId :

PH2-0141

Tot Ion: 91 Resp: 2224098

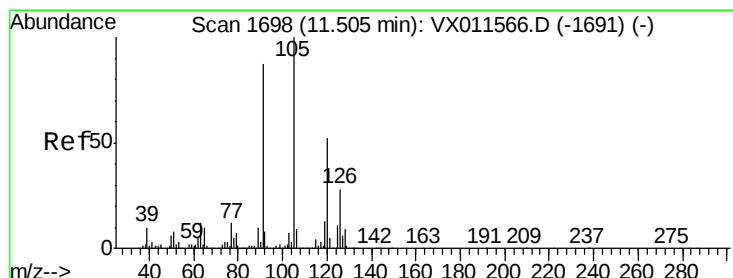
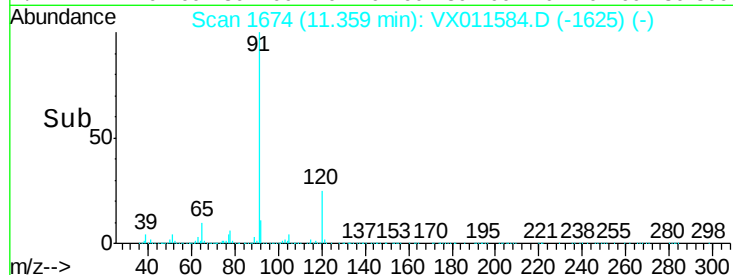
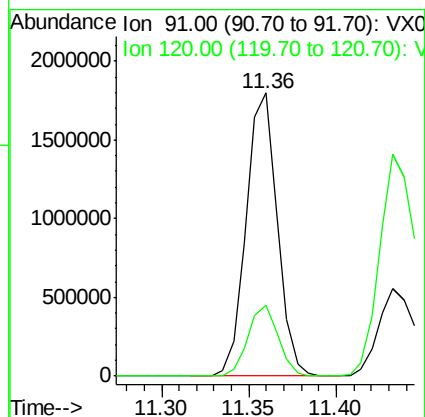
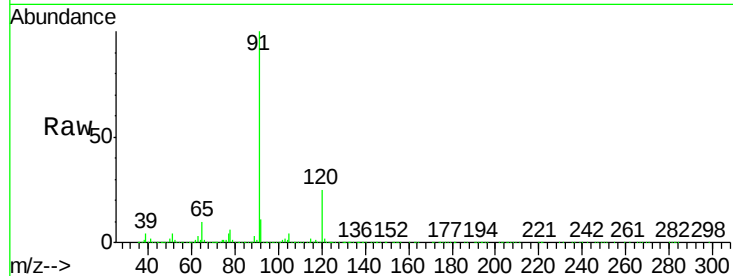
Ion Ratio Lower Upper

91 100

120 24.5 12.6 37.6

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#80

1,3,5-Trimethylbenzene

Concen: 210.580 ug/l

RT: 11.51 min Scan# 1698

Delta R.T. 0.00 min

Lab File: VX011584.D

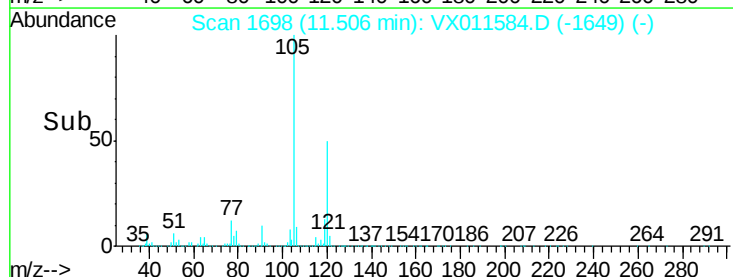
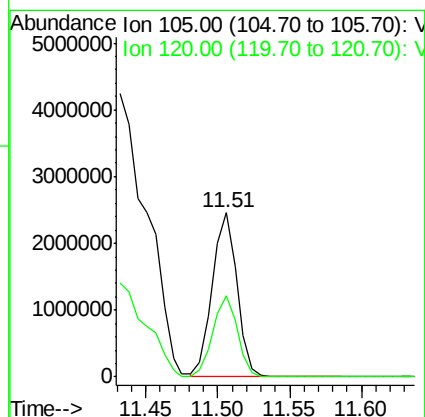
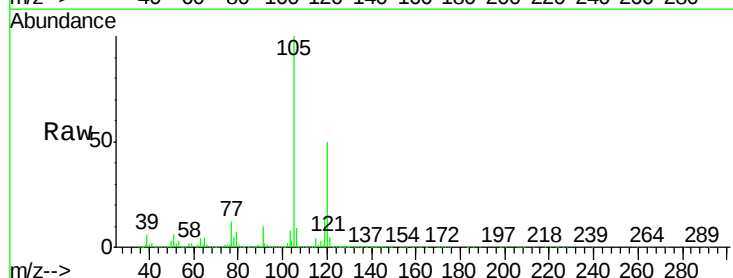
Acq: 16 Aug 2019 16:24

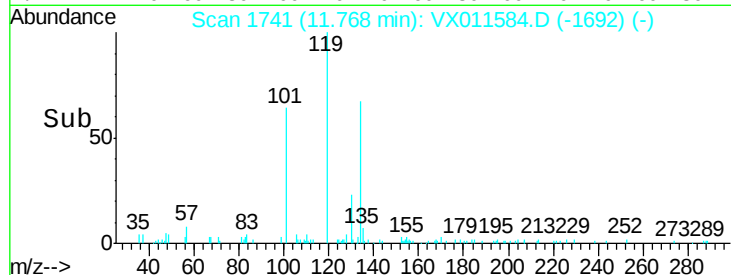
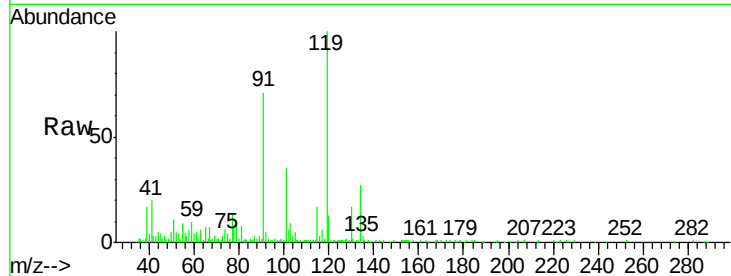
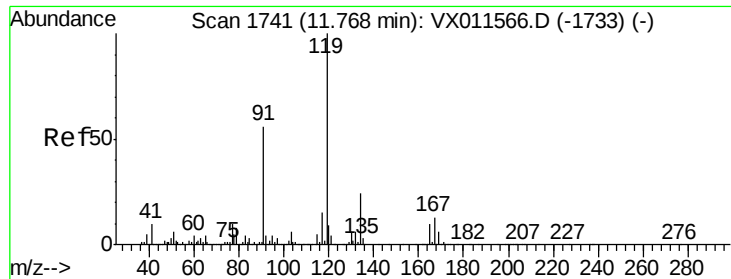
Tgt Ion: 105 Resp: 2932310

Ion Ratio Lower Upper

105 100

120 49.3 25.3 75.8





#83

tert-Butylbenzene

Concen: 1.174 ug/l

RT: 11.77 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

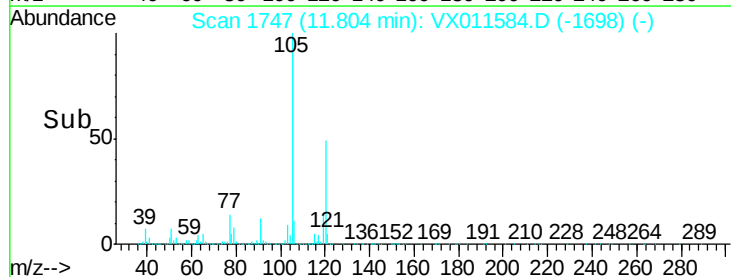
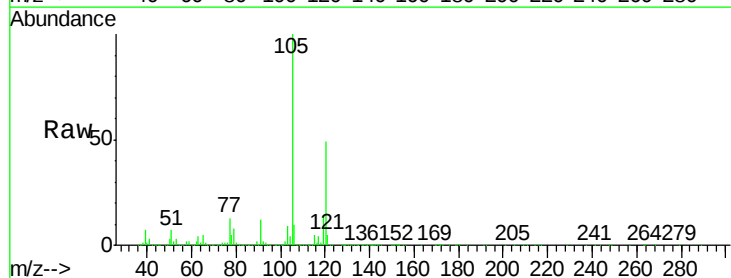
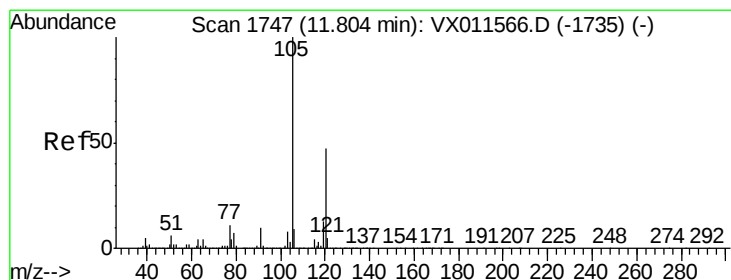
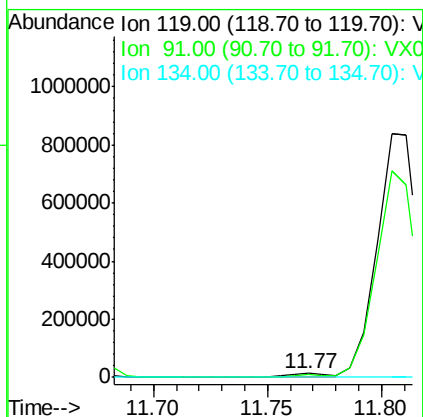
Tot Ion:119 Resp: 16657

Ion	Ratio	Lower	Upper
119	100		
91	5294.6	27.1	81.3
134	0.0	11.8	35.3

Instrument :
MSVOA_X
ClientSampled :
PH2-0141

Manual Integrations
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#84

1,2,4-Trimethylbenzene

Concen: 571.716 ug/l

RT: 11.80 min Scan# 1747

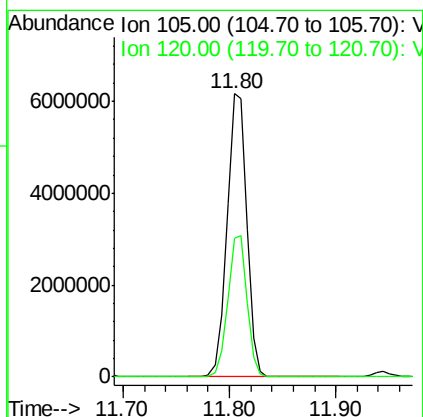
Delta R.T. 0.00 min

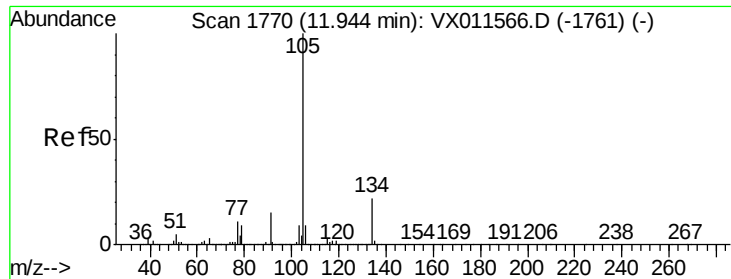
Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Tgt Ion:105 Resp: 7992328

Ion	Ratio	Lower	Upper
105	100		
120	48.6	23.3	69.9





#85

sec-Butylbenzene

Concen: 9.176 ug/l m

RT: 11.94 min Scan# 1770

Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

Instrument :

MSVOA_X

ClientSampled :

PH2-0141

Tot Ion:105 Resp: 146824

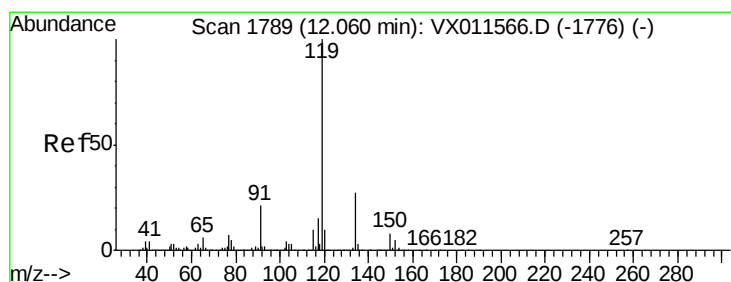
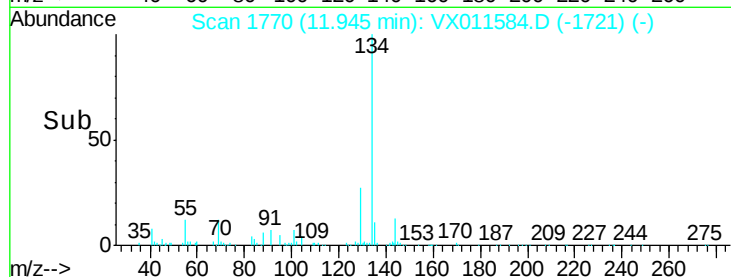
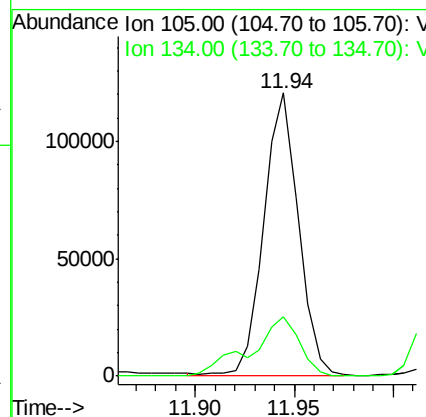
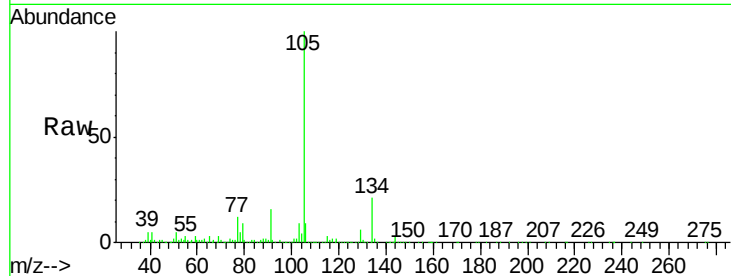
Ion Ratio Lower Upper

105 100

134 0.0 10.8 32.4#

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#86

p-Isopropyltoluene

Concen: 9.186 ug/l

RT: 12.06 min Scan# 1789

Delta R.T. 0.00 min

Lab File: VX011584.D

Acq: 16 Aug 2019 16:24

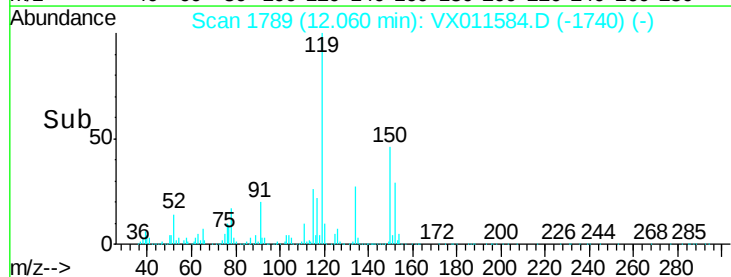
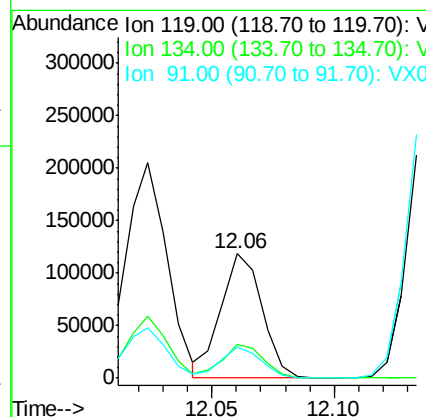
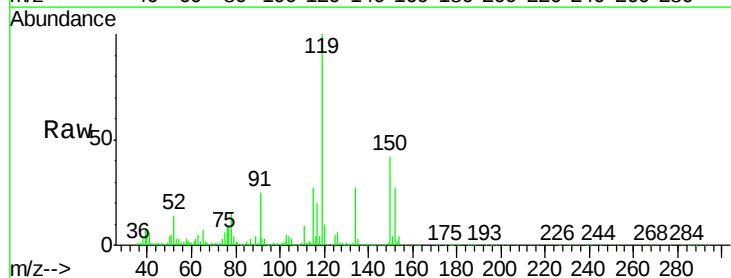
Tgt Ion:119 Resp: 138271

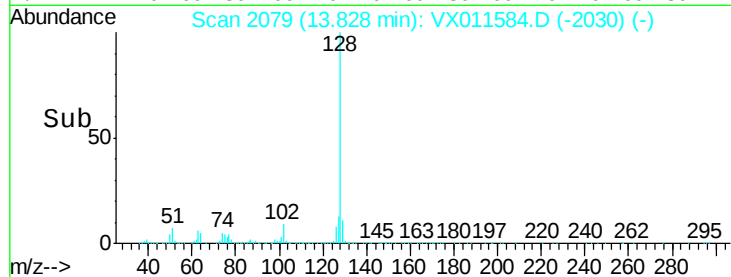
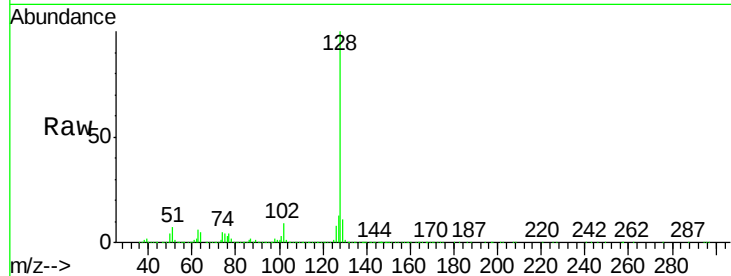
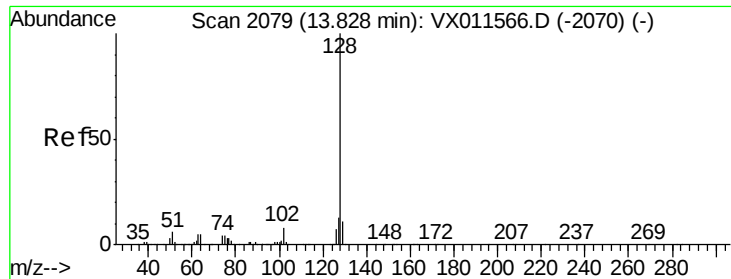
Ion Ratio Lower Upper

119 100

134 27.7 13.6 40.8

91 24.3 10.9 32.9





#95
Naphthalene
Concen: 169.328 ug/l
RT: 13.83 min Scan# 2079
Delta R.T. 0.00 min
Lab File: VX011584.D
Acq: 16 Aug 2019 16:24

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.3	15.5
129	11.1	8.7	13.1

Instrument :
MSVOA_X
ClientSampleId :
PH2-0141

Manual Integrations
APPROVED

MMDadoda
8/19/2019 10:30:47 AM

