

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX112719\
 Data File : VX013663.D
 Acq On : 27 Nov 2019 19:44
 Operator : JC/SP
 Sample : K6027-04
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW-3

Manual Integrations
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Quant Time: Dec 02 06:22:53 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 26 15:53:00 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	667298	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	1051062	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	947950	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	450190	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.06	65	375381	48.46	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.92%	
35) Dibromofluoromethane	5.49	113	313447	48.24	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.48%	
50) Toluene-d8	8.71	98	1255363	49.59	ug/l	0.00
Spiked Amount 50.000			Recovery	=	99.18%	
62) 4-Bromofluorobenzene	11.14	95	450004	49.29	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.58%	
Target Compounds						
					Qvalue	
16) Acetone	2.43	43	21518	5.627	ug/l	93
25) 2-Butanone	4.67	43	11266	1.982	ug/l	99
31) Cyclohexane	5.58	56	148914	13.015	ug/l #	85
39) Methylcyclohexane	7.45	83	189524	16.070	ug/l #	83
40) Benzene	6.14	78	2212303	76.132	ug/l	100
52) Toluene	8.78	92	728928	40.378	ug/l	99
64) Tetrachloroethene	9.33	164	11635	1.646	ug/l	95
67) Ethyl Benzene	10.25	91	10875586	321.570	ug/l	89
68) m/p-Xylenes	10.35	106	5334603	411.993	ug/l	93
69) o-Xylene	10.70	106	851059	67.392	ug/l	100
73) Isopropylbenzene	11.01	105	760989	24.098	ug/l	100
78) n-propylbenzene	11.35	91	2038548	57.828	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	819541	31.665	ug/l	100
83) tert-Butylbenzene	11.76	119	16767m	0.637	ug/l	
84) 1,2,4-Trimethylbenzene	11.81	105	10495721	399.569	ug/l	92
85) sec-Butylbenzene	11.94	105	241004m	8.022	ug/l	
86) p-Isopropyltoluene	12.06	119	147801	5.288	ug/l #	78
89) n-Butylbenzene	12.38	91	242802m	10.185	ug/l	
95) Naphthalene	13.83	128	4101126	134.482	ug/l	99

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

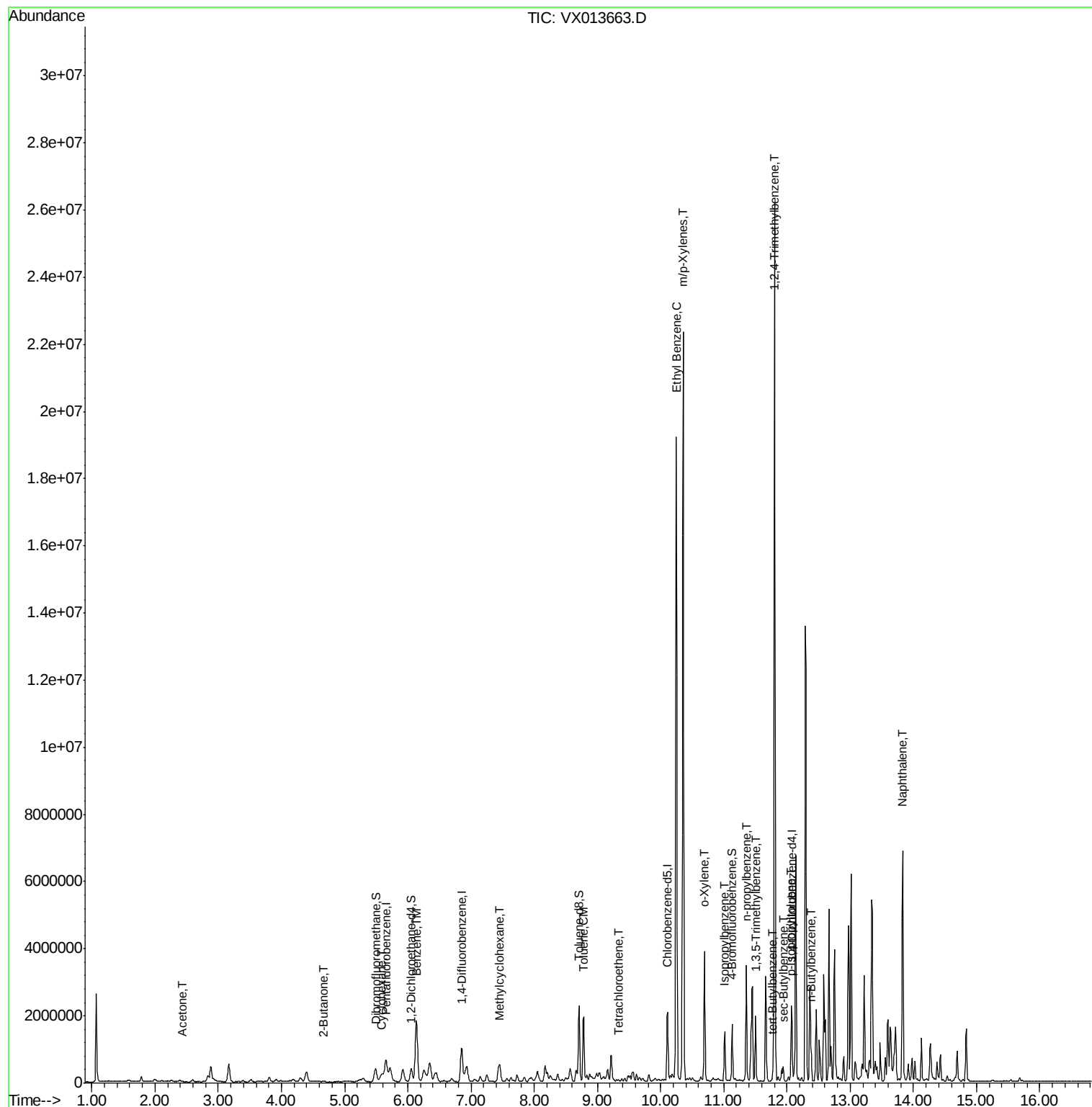
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX112719\
Data File : VX013663.D
Acq On : 27 Nov 2019 19:44
Operator : JC/SP
Sample : K6027-04
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

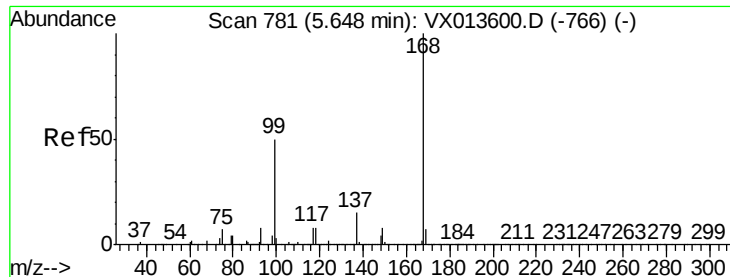
Instrument :
MSVOA_X
ClientSampleId :
MW-3

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Quant Time: Dec 02 06:22:53 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X112619W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 26 15:53:00 2019
Response via : Initial Calibration





#1

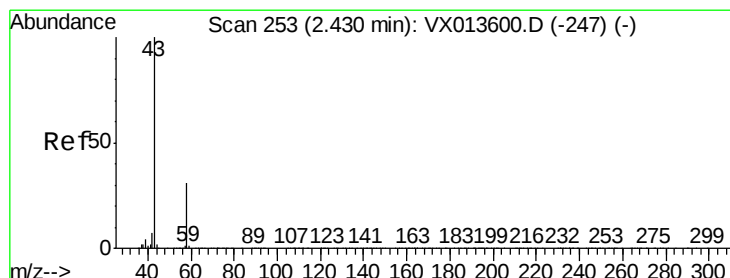
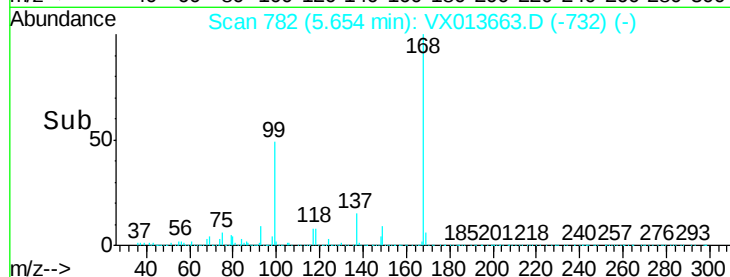
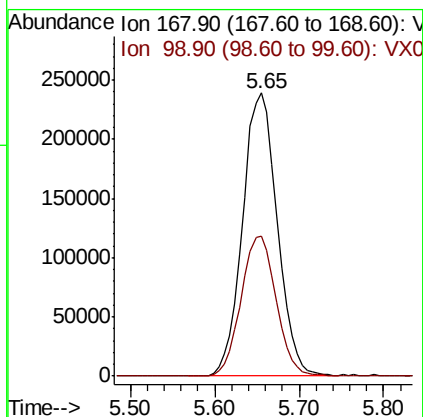
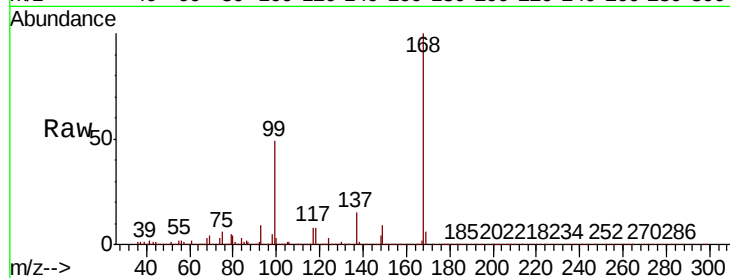
Pentafluorobenzene
 Concen: 50.000 ug/l
 RT: 5.65 min Scan# 782
 Delta R.T. 0.01 min
 Lab File: VX013663.D
 Acq: 27 Nov 2019 19:44

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
168	100		
99	49.2	39.8	59.8

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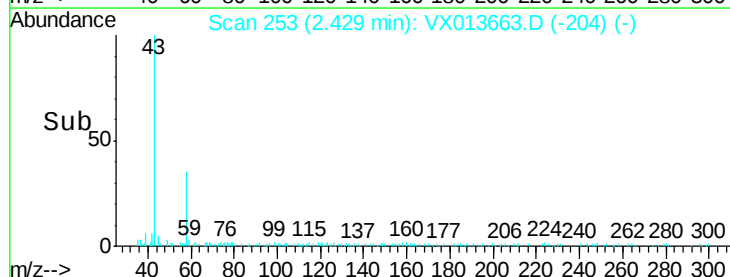
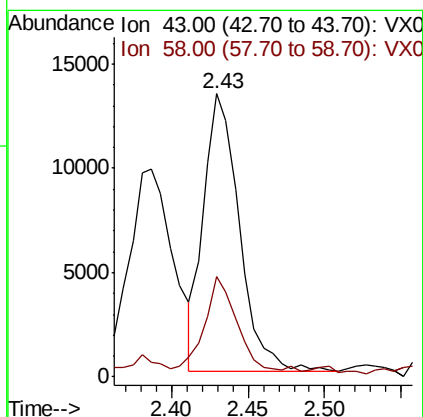
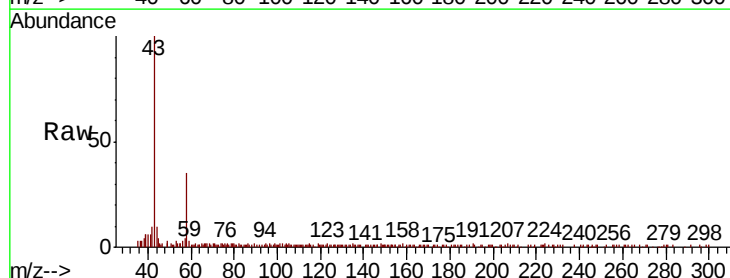
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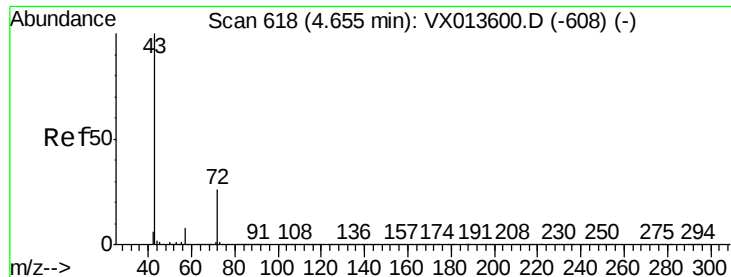


#16

Acetone
 Concen: 5.627 ug/l
 RT: 2.43 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VX013663.D
 Acq: 27 Nov 2019 19:44

Tgt Ion	Ratio	Lower	Upper
43	100		
58	34.4	24.6	36.8





#25

2-Butanone

Concen: 1.982 ug/l

RT: 4.67 min Scan# 621

Delta R.T. 0.02 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 43 Resp: 11266

Ion Ratio Lower Upper

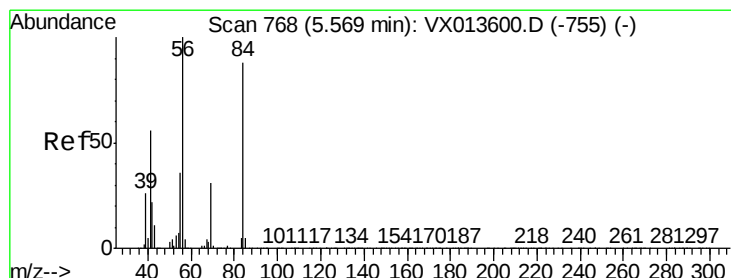
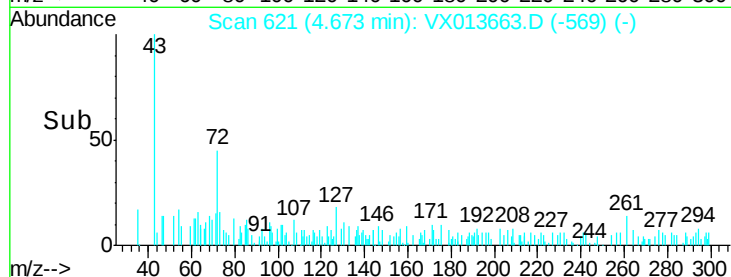
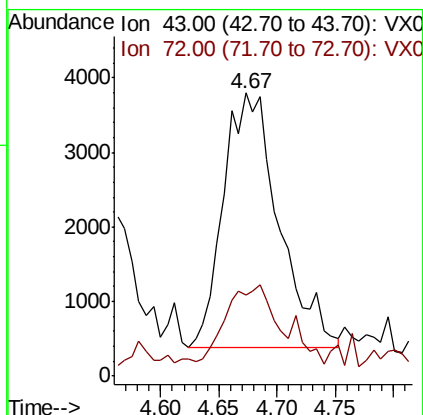
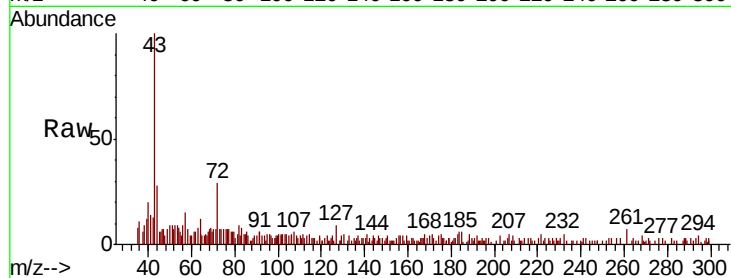
43 100

72 25.5 20.6 31.0

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#31

Cyclohexane

Concen: 13.015 ug/l

RT: 5.58 min Scan# 769

Delta R.T. 0.01 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

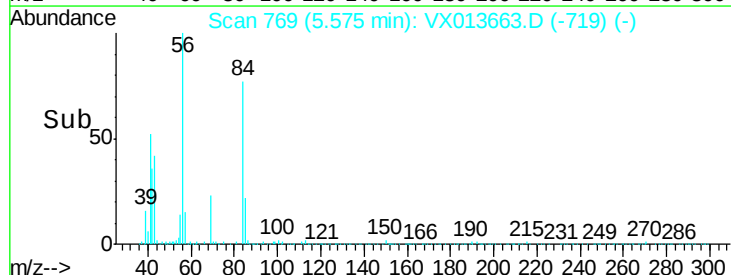
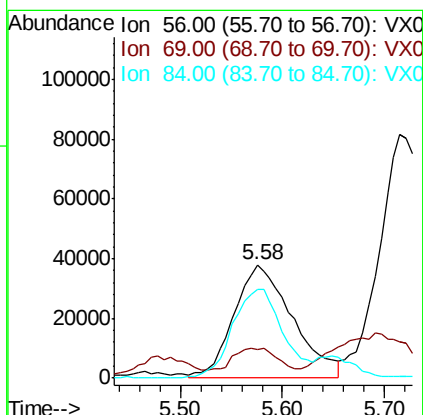
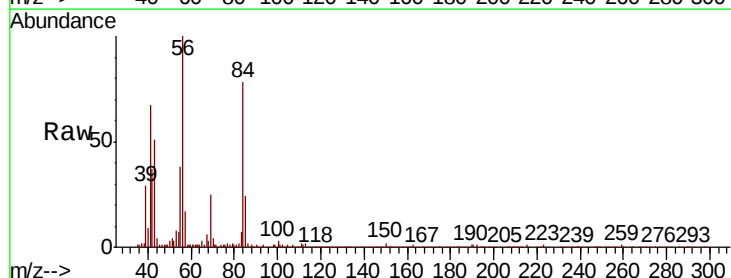
Tgt Ion: 56 Resp: 148914

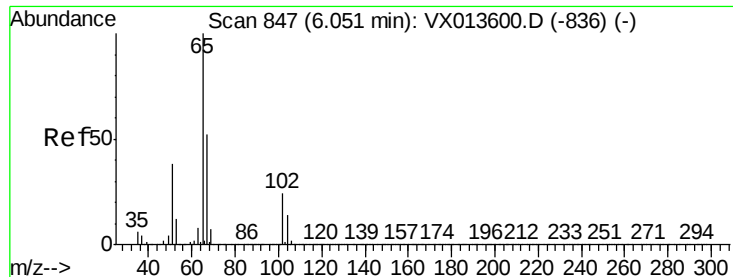
Ion Ratio Lower Upper

56 100

69 13.5 24.6 36.8#

84 78.9 70.0 105.0





#33

1,2-Dichloroethane-d4

Concen: 48.462 ug/l

RT: 6.06 min Scan# 848

Delta R.T. 0.01 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion: 65 Resp: 375381

Ion Ratio Lower Upper

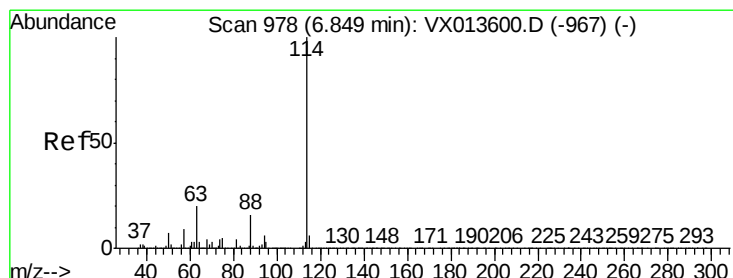
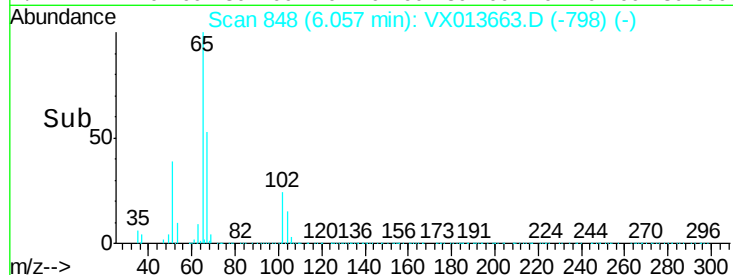
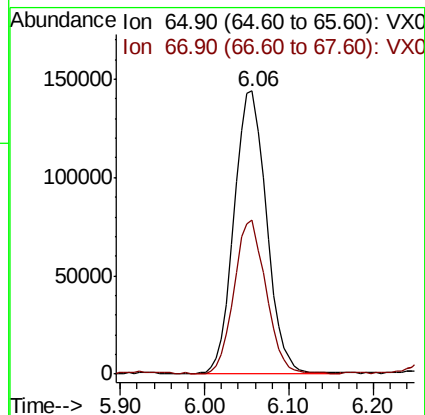
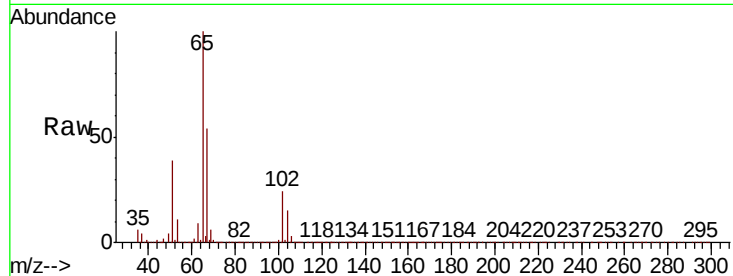
65 100

67 53.2 0.0 104.4

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#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

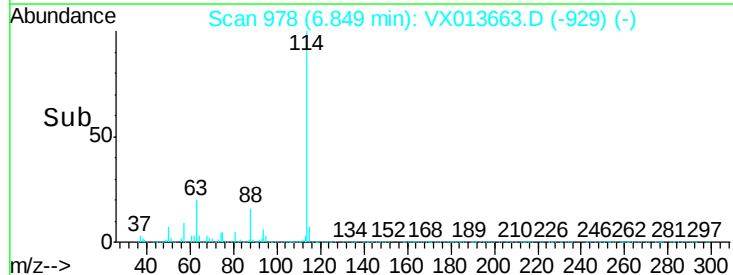
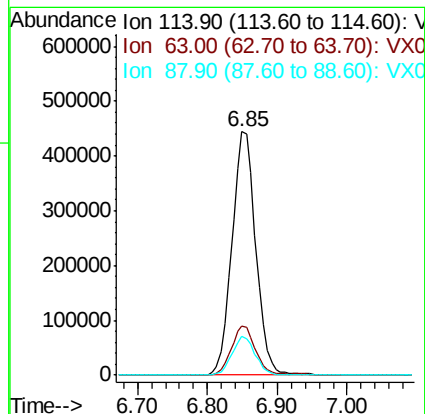
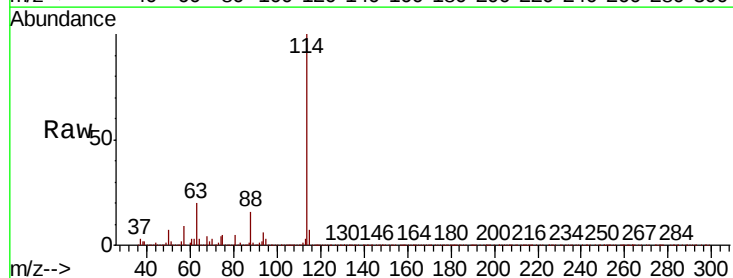
Tgt Ion: 114 Resp: 1051062

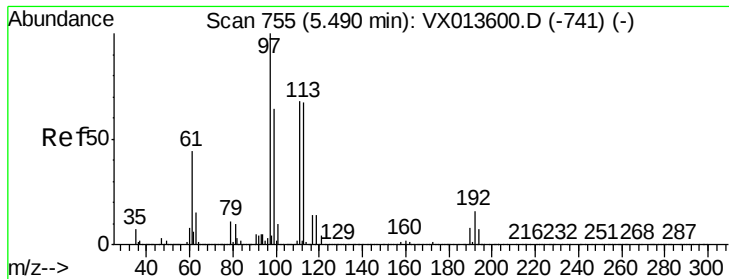
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.8 0.0 31.4





#35

Dibromofluoromethane

Concen: 48.239 ug/l

RT: 5.49 min Scan# 755

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

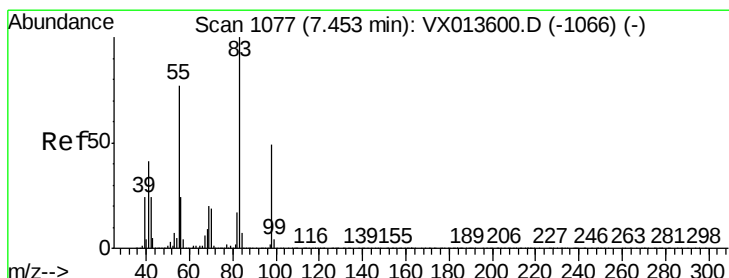
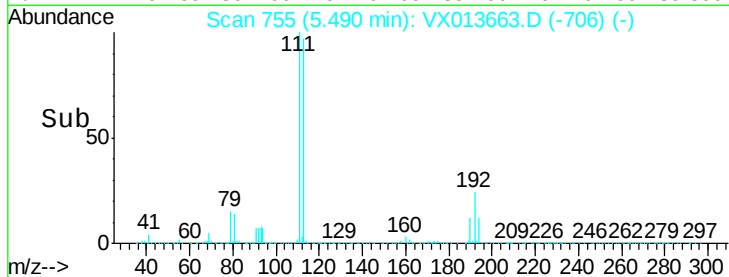
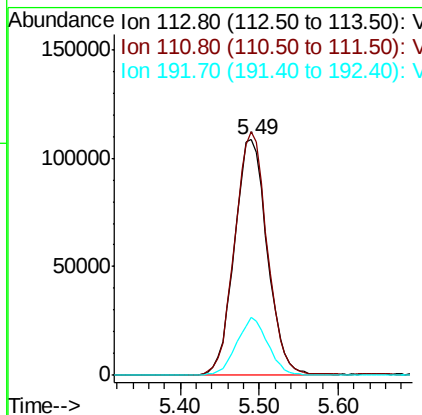
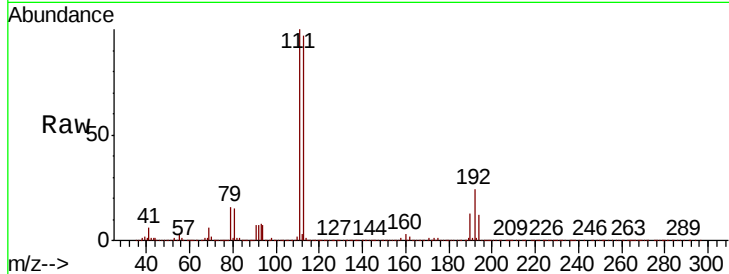
ClientSampled :

MW-3

Tot Ion:	113	Resp:	313447
Ion Ratio	Lower	Upper	
113	100		
111	101.7	83.6	125.4
192	23.5	19.2	28.8

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#39

Methylcyclohexane

Concen: 16.070 ug/l

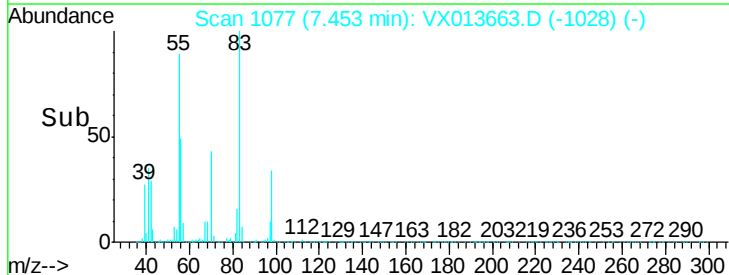
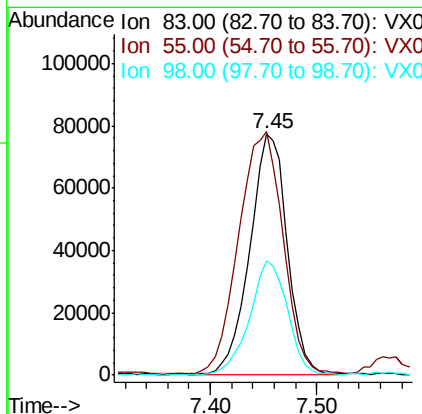
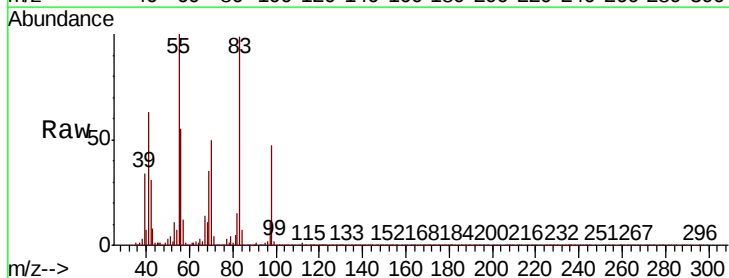
RT: 7.45 min Scan# 1077

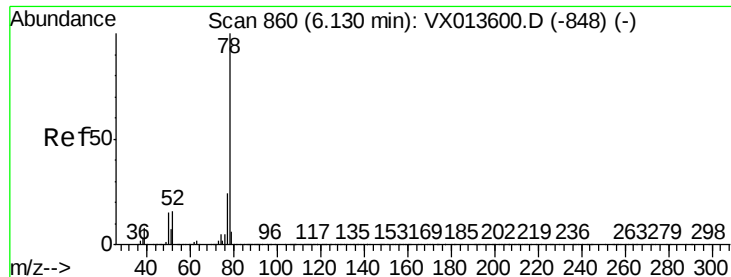
Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Tgt Ion:	83	Resp:	189524
Ion Ratio	Lower	Upper	
83	100		
55	100.3	61.9	92.9#
98	47.1	39.4	59.0





#40

Benzene

Concen: 76.132 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.01 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 78 Resp: 2212303

Ion Ratio Lower Upper

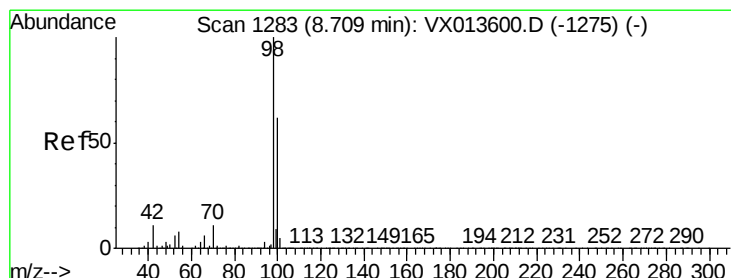
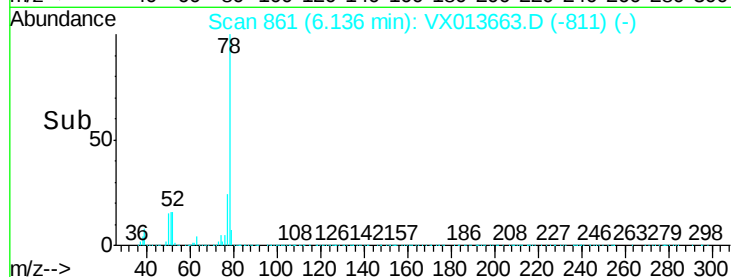
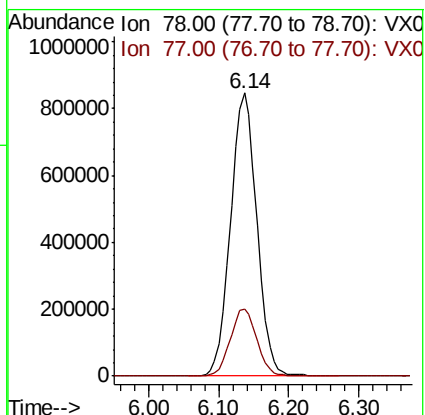
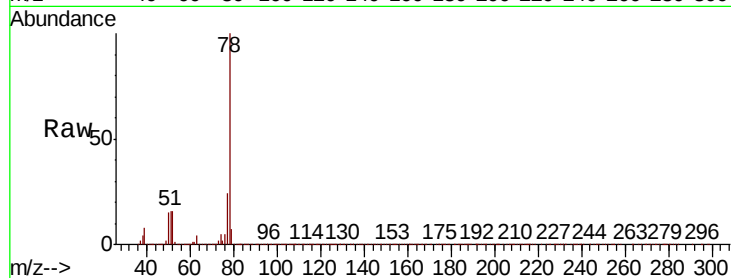
78 100

77 23.7 19.0 28.4

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#50

Toluene-d8

Concen: 49.587 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. -0.00 min

Lab File: VX013663.D

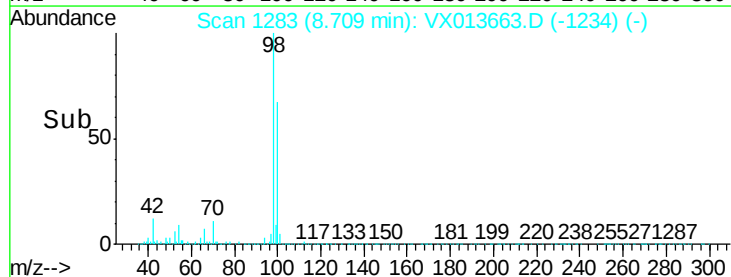
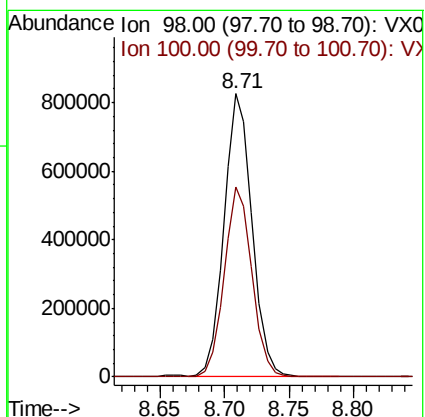
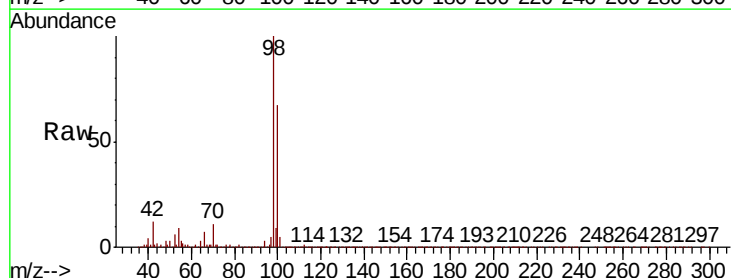
Acq: 27 Nov 2019 19:44

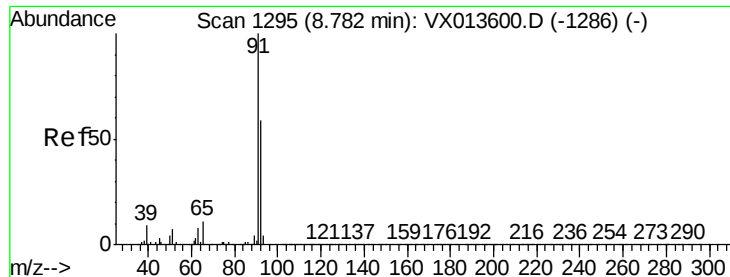
Tgt Ion: 98 Resp: 1255363

Ion Ratio Lower Upper

98 100

100 66.6 53.1 79.7





#52

Toluene

Concen: 40.378 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 92 Resp: 728928

Ion Ratio Lower Upper

92 100

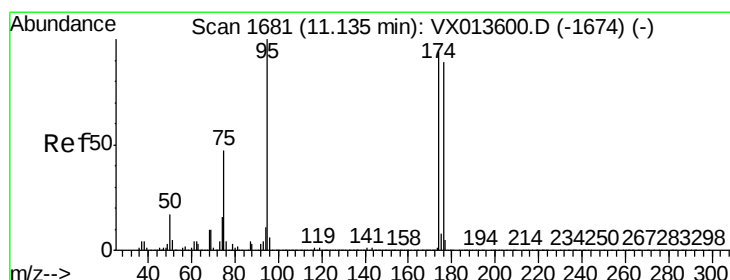
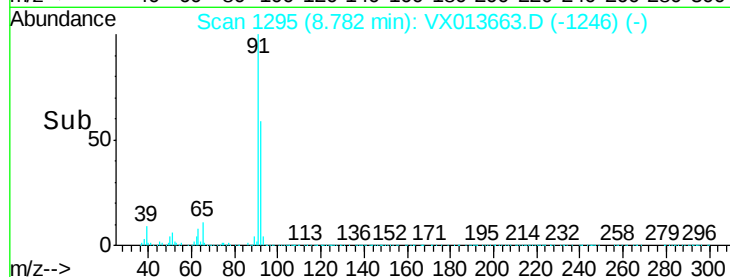
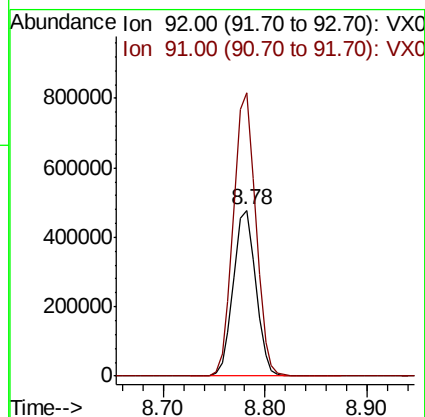
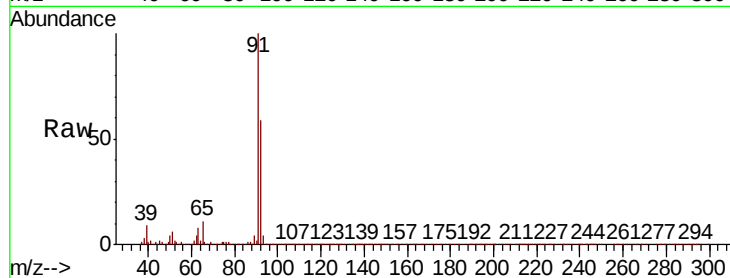
91 169.3 136.2 204.2

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#62

4-Bromofluorobenzene

Concen: 49.293 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

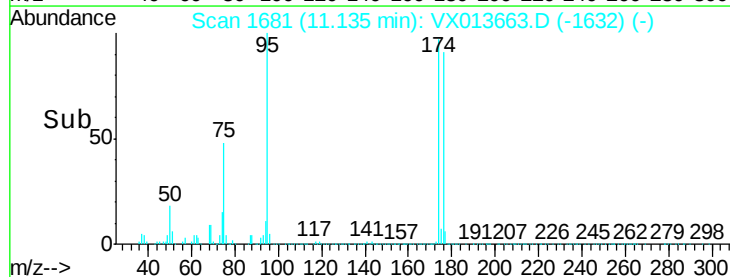
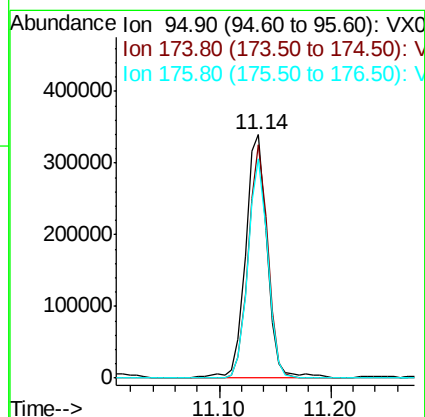
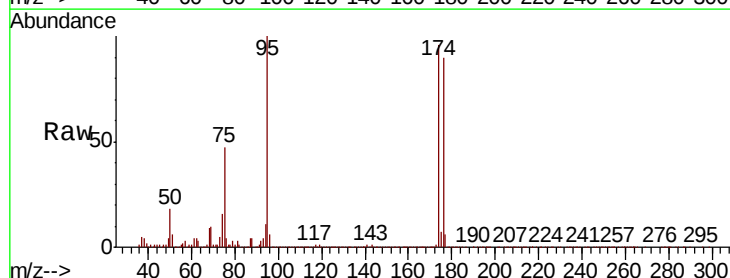
Tgt Ion: 95 Resp: 450004

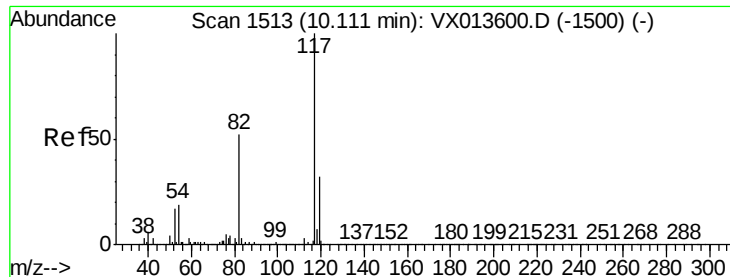
Ion Ratio Lower Upper

95 100

174 87.8 0.0 180.0

176 83.0 0.0 173.6





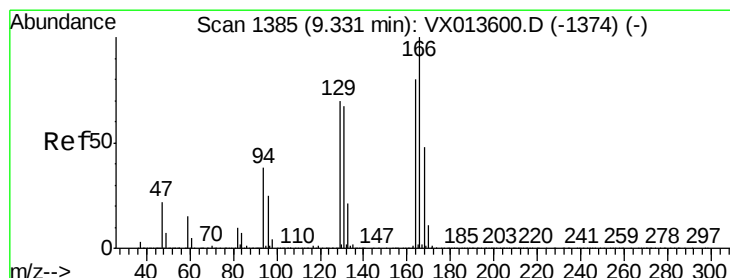
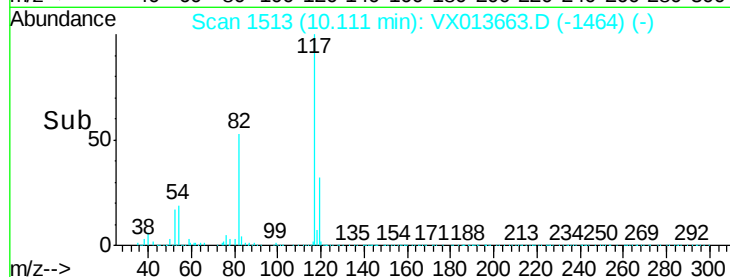
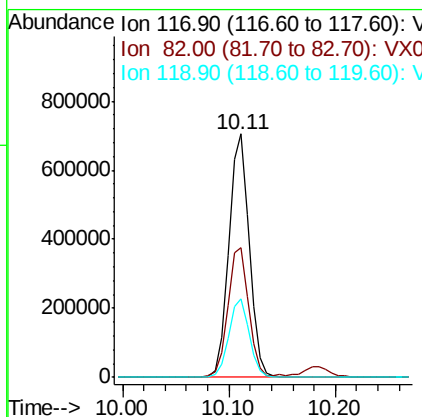
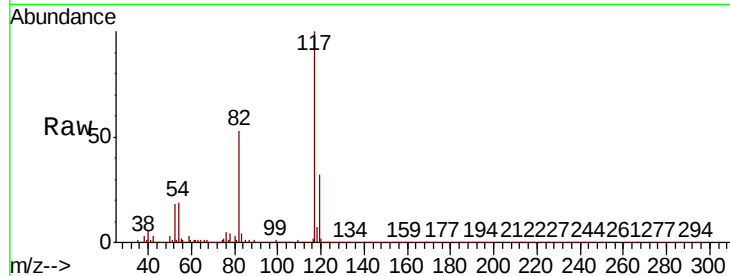
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.11 min Scan# 1513
Delta R.T. -0.00 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Resp	Lower	Upper
117	100	947950		
82	52.8		41.8	62.8
119	32.4		25.8	38.8

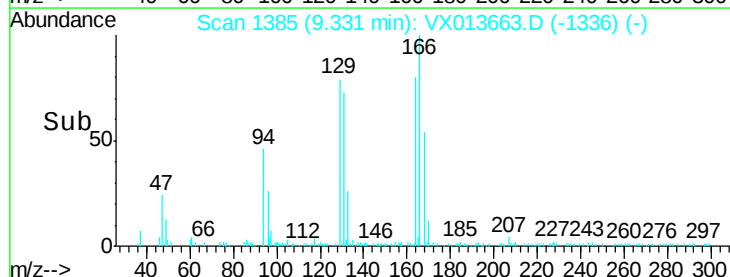
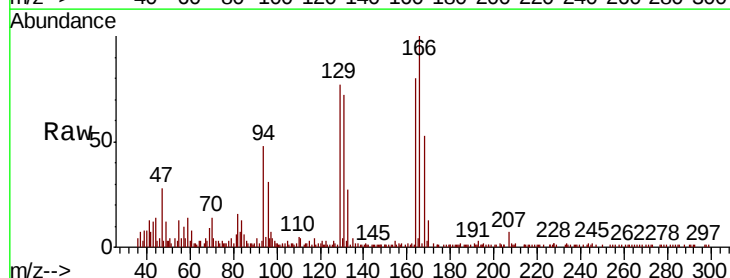
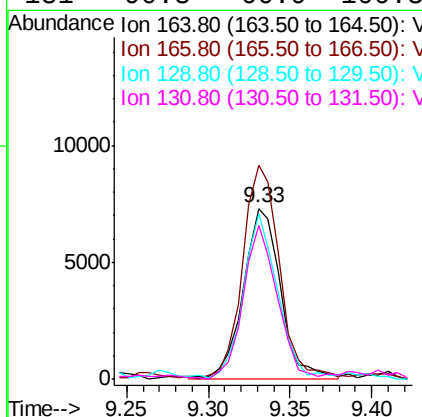
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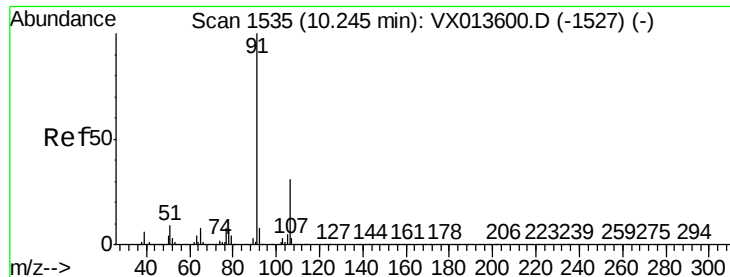
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#64
Tetrachloroethene
Concen: 1.646 ug/l
RT: 9.33 min Scan# 1385
Delta R.T. -0.00 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Tgt Ion	Ratio	Resp	Lower	Upper
164	100	11635		
166	125.3		99.7	149.5
129	96.0		70.1	105.1
131	90.3		66.9	100.3





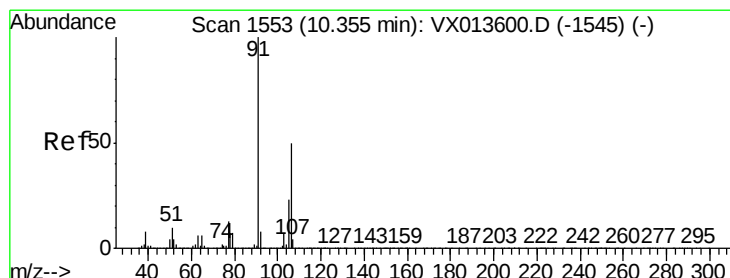
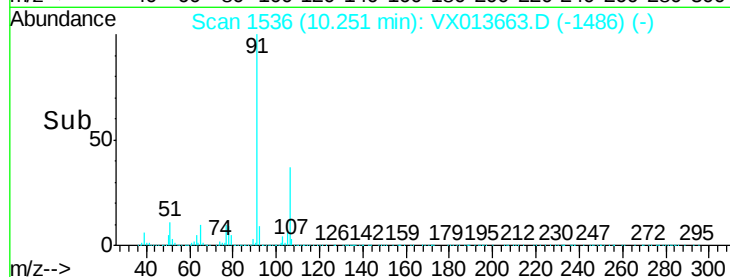
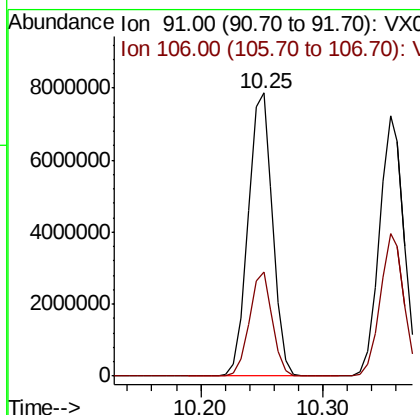
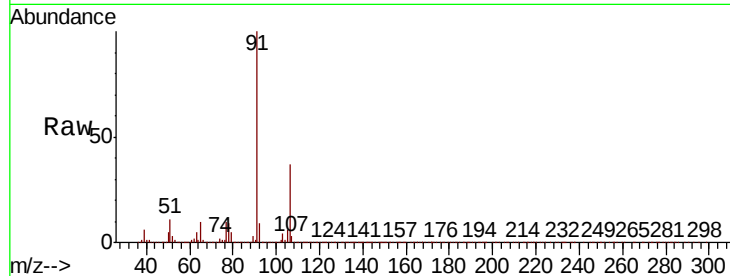
#67
Ethyl Benzene
Concen: 321.570 ug/l
RT: 10.25 min Scan# 1536
Delta R.T. 0.01 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion: 91 Resp: 10875586
Ion Ratio Lower Upper
91 100
106 36.7 24.5 36.7

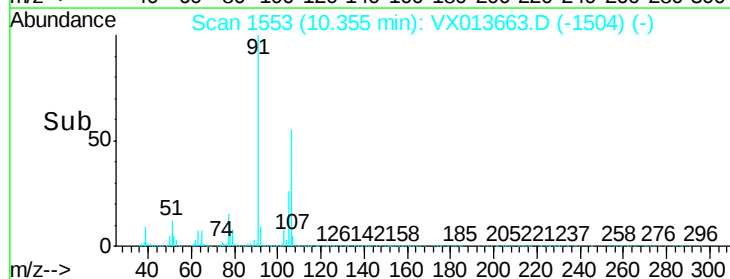
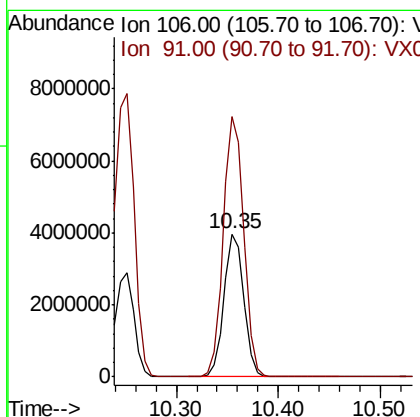
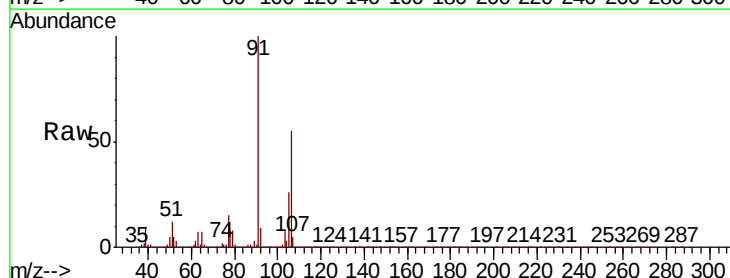
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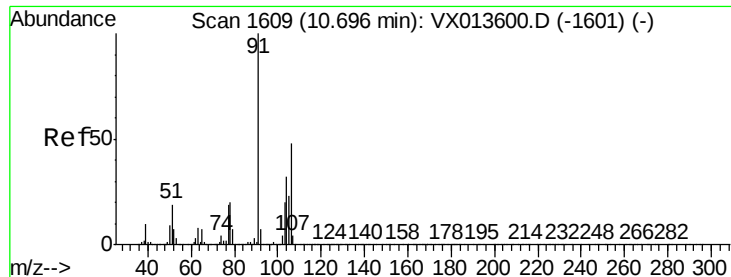
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#68
m/p-Xylenes
Concen: 411.993 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Tgt Ion: 106 Resp: 5334603
Ion Ratio Lower Upper
106 100
91 188.0 159.0 238.4





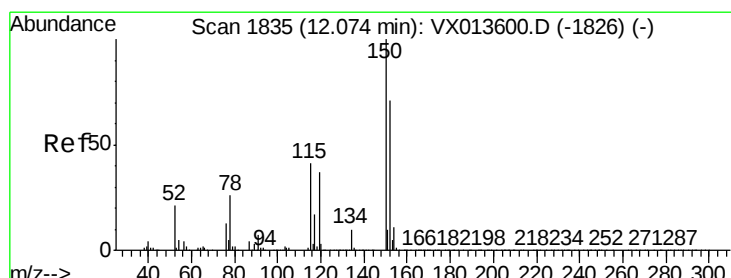
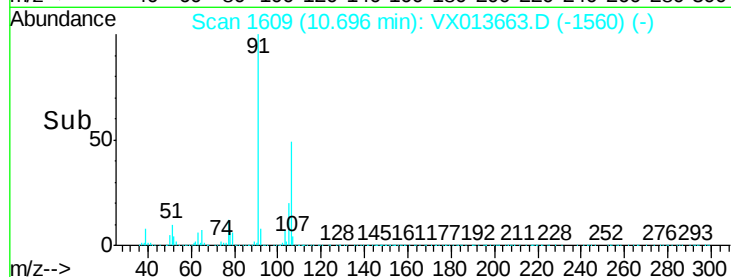
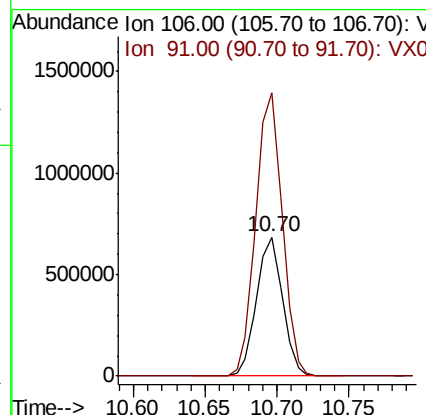
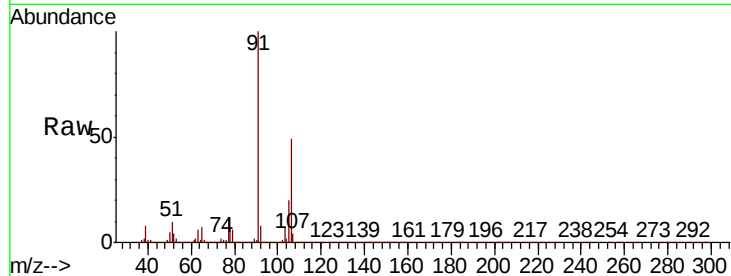
#69
o-Xylene
Concen: 67.392 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Instrument :
MSVOA_X
ClientSampled :
MW-3

Tot Ion	Ratio	Lower	Upper
106	100		
91	207.6	104.1	312.2

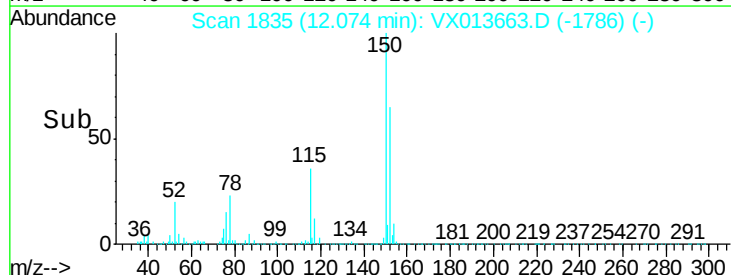
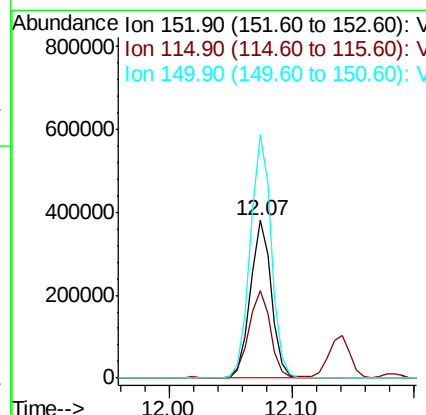
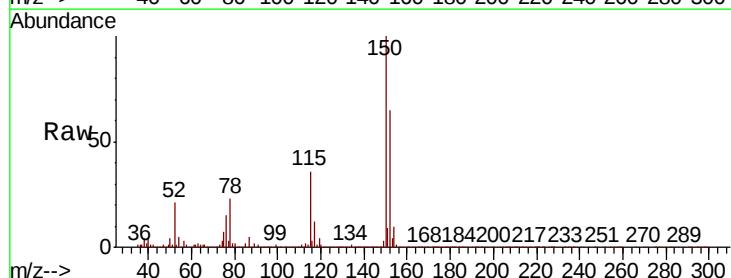
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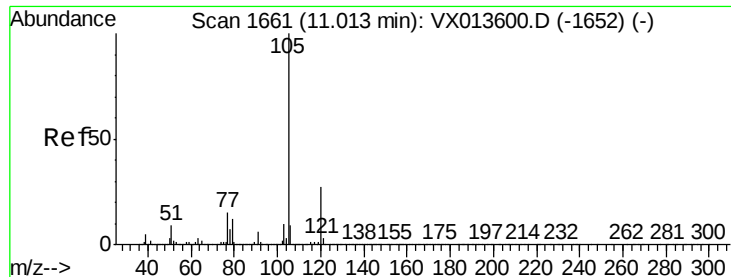
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#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.07 min Scan# 1835
Delta R.T. -0.00 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Tgt Ion	Ratio	Lower	Upper
152	100		
115	57.2	38.4	115.1
150	155.5	0.0	346.8





#73

Isopropylbenzene

Concen: 24.098 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion: 105 Resp: 760989

Ion Ratio Lower Upper

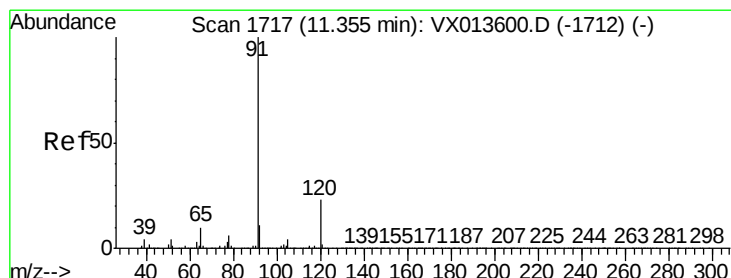
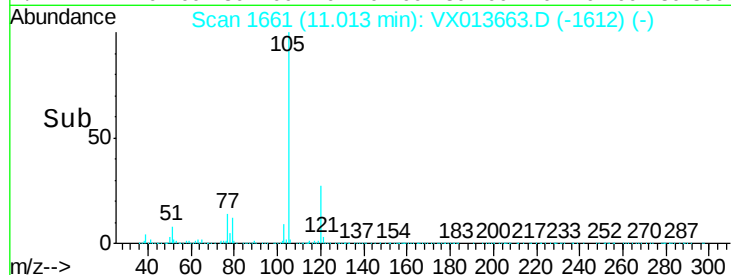
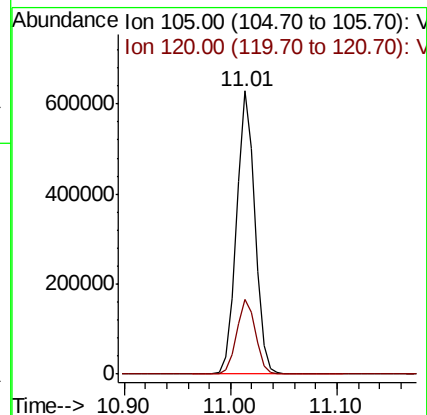
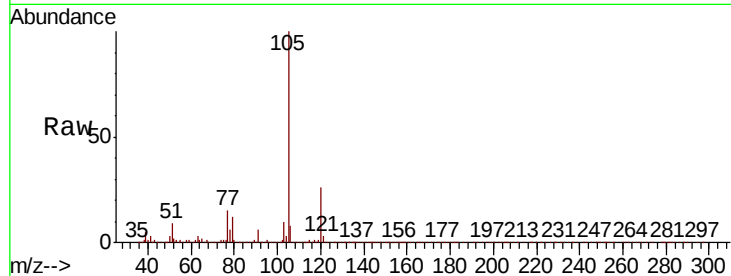
105 100

120 27.1 13.5 40.5

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#78

n-propylbenzene

Concen: 57.828 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX013663.D

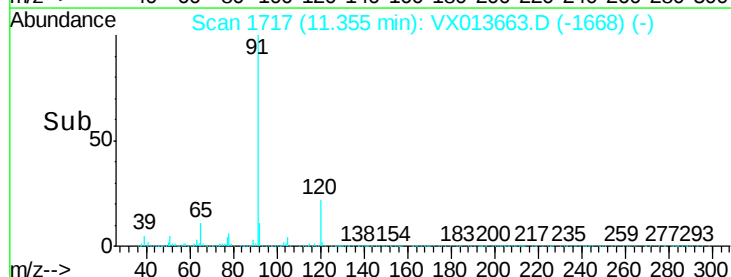
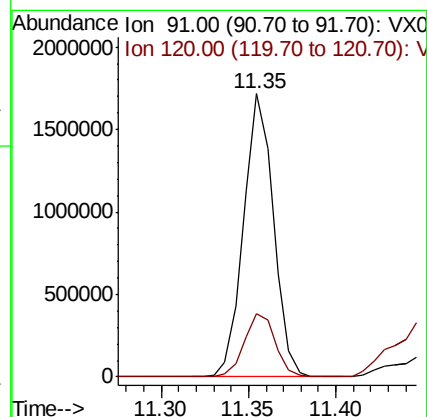
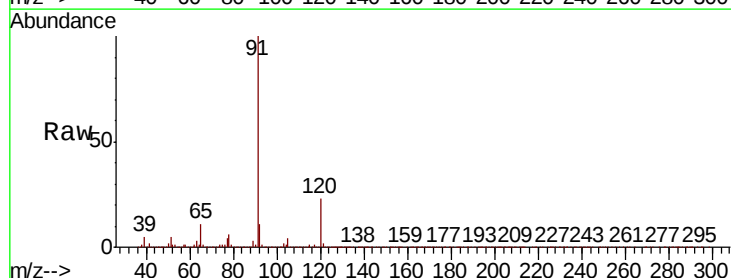
Acq: 27 Nov 2019 19:44

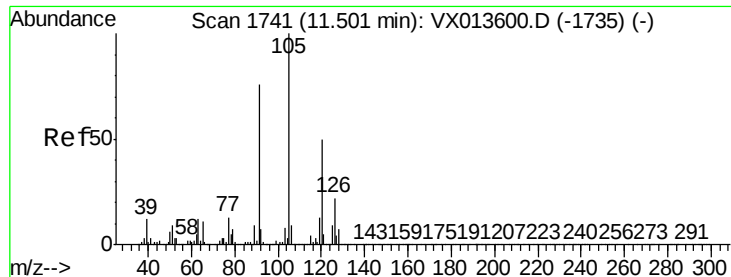
Tgt Ion: 91 Resp: 2038548

Ion Ratio Lower Upper

91 100

120 23.1 11.8 35.3





#80

1,3,5-Trimethylbenzene

Concen: 31.665 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampled :

MW-3

Tot Ion:105 Resp: 819541

Ion Ratio Lower Upper

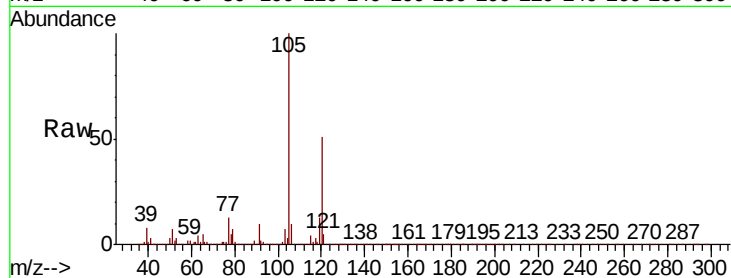
105 100

120 50.8 25.3 75.9

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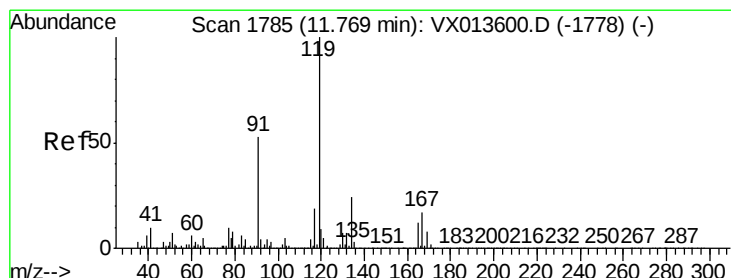
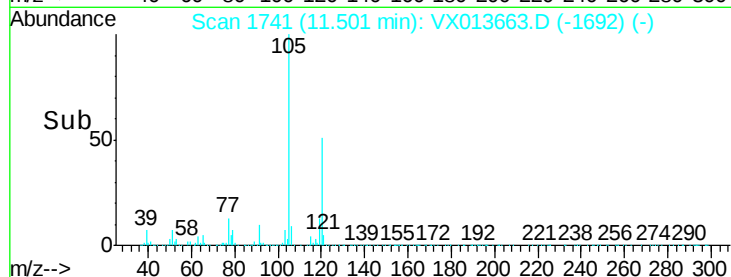
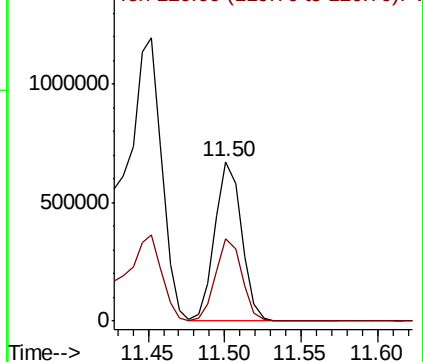
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#83

tert-Butylbenzene

Concen: 0.637 ug/l m

RT: 11.76 min Scan# 1784

Delta R.T. -0.01 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

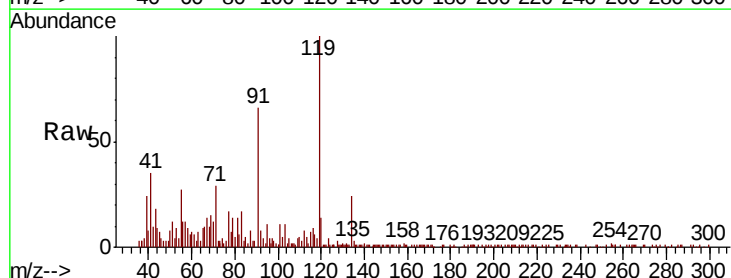
Tgt Ion:119 Resp: 16767

Ion Ratio Lower Upper

119 100

91 0.0 27.2 81.6#

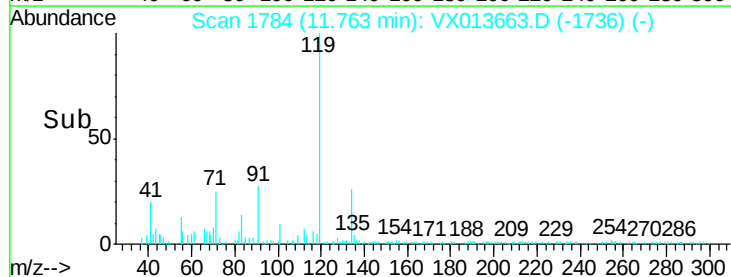
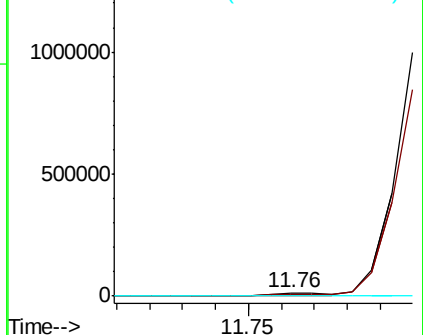
134 0.0 11.7 35.1#

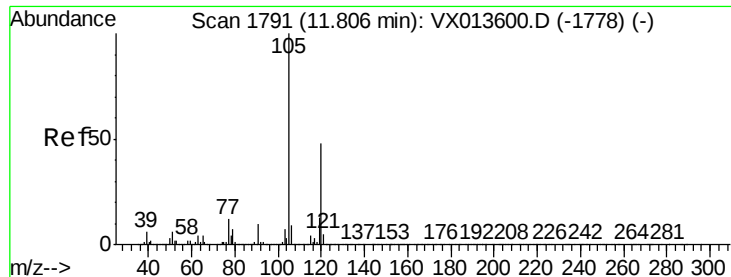


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VX0

Ion 134.00 (133.70 to 134.70): V





#84

1,2,4-Trimethylbenzene

Concen: 399.569 ug/l

RT: 11.81 min Scan# 1791

Delta R.T. -0.00 min

Lab File: VX013663.D

Acq: 27 Nov 2019 19:44

Instrument :

MSVOA_X

ClientSampleId :

MW-3

Tot Ion:105 Resp:10495721

Ion Ratio Lower Upper

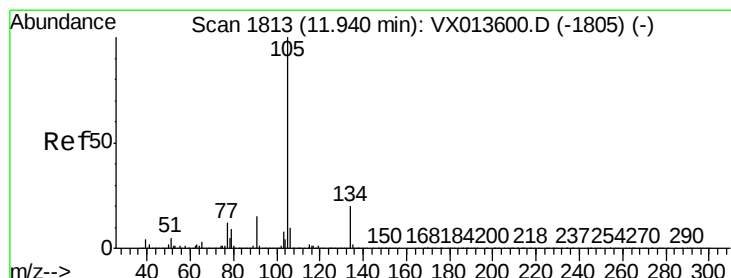
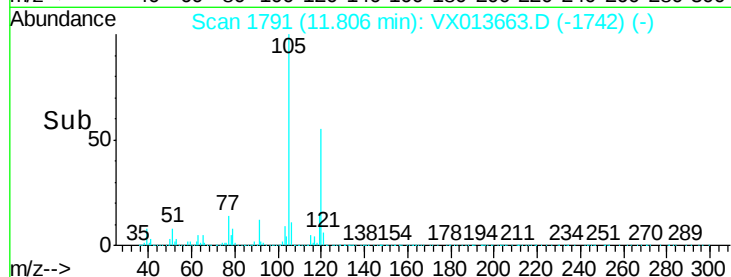
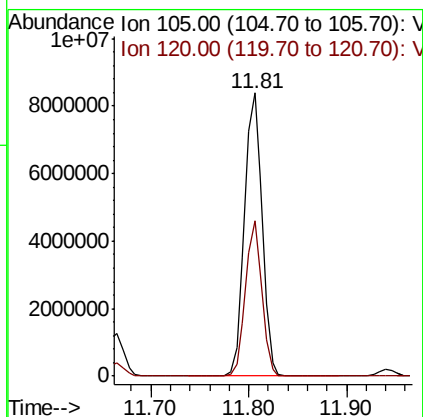
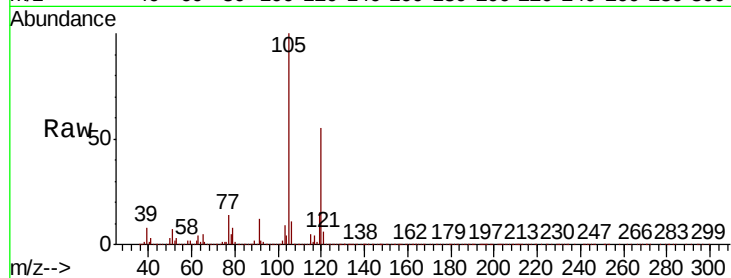
105 100

120 51.2 23.1 69.3

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#85

sec-Butylbenzene

Concen: 8.022 ug/l m

RT: 11.94 min Scan# 1813

Delta R.T. -0.00 min

Lab File: VX013663.D

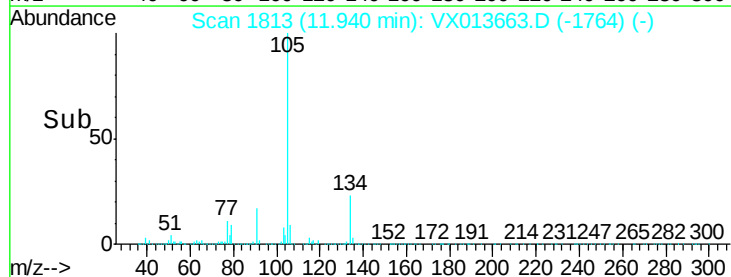
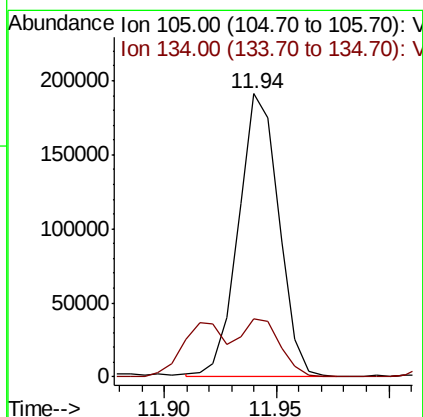
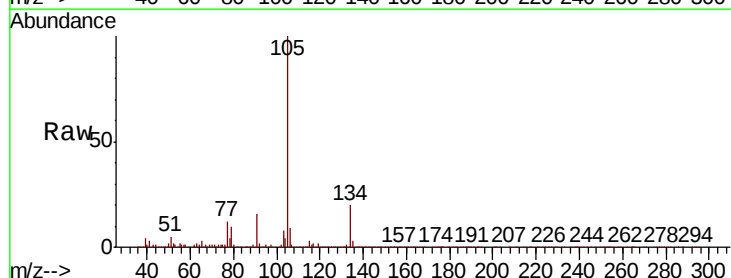
Acq: 27 Nov 2019 19:44

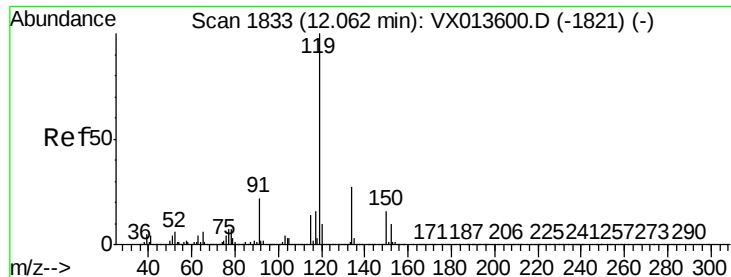
Tgt Ion:105 Resp: 241004

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.2#





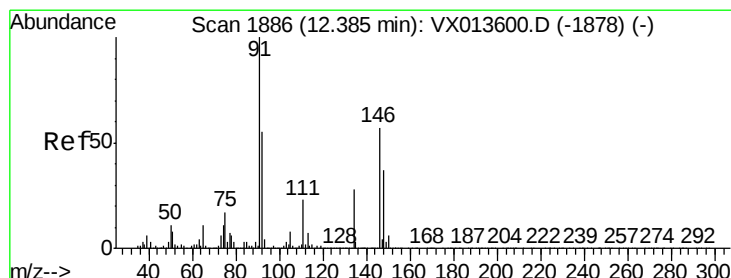
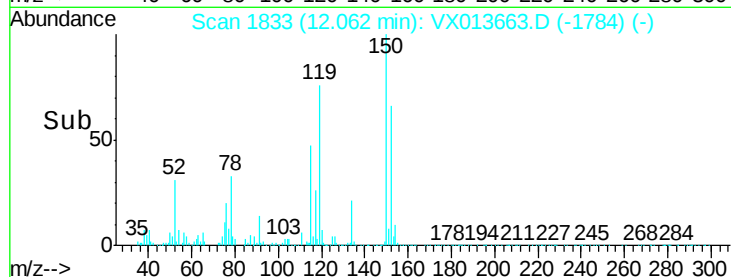
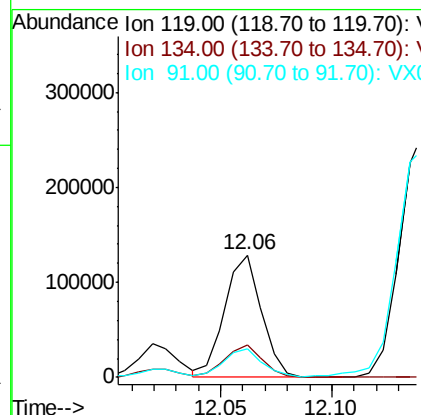
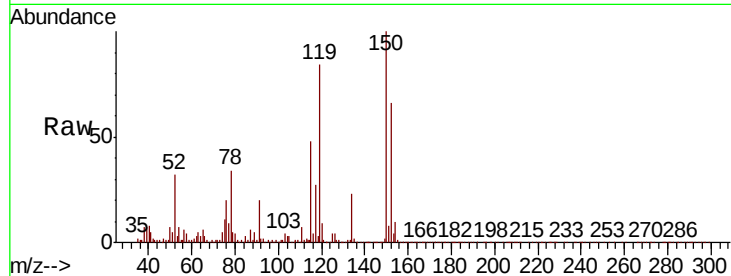
#86
 p-Isopropyltoluene
 Concen: 5.288 ug/l
 RT: 12.06 min Scan# 1833
 Delta R.T. -0.00 min
 Lab File: VX013663.D
 Acq: 27 Nov 2019 19:44

Instrument :
 MSVOA_X
 ClientSampled :
 MW-3

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.3	39.9
91	0.0	11.3	33.8#

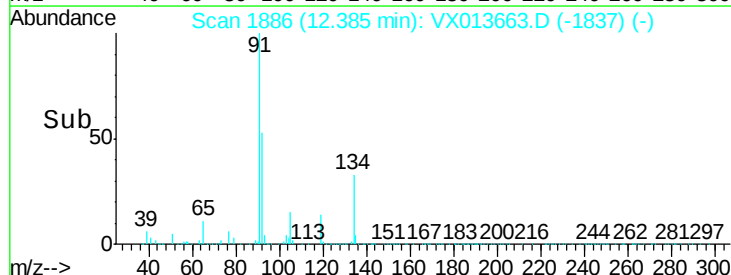
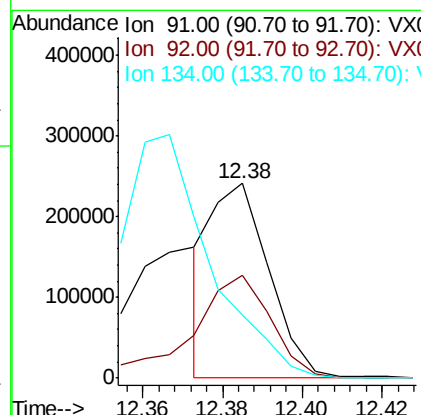
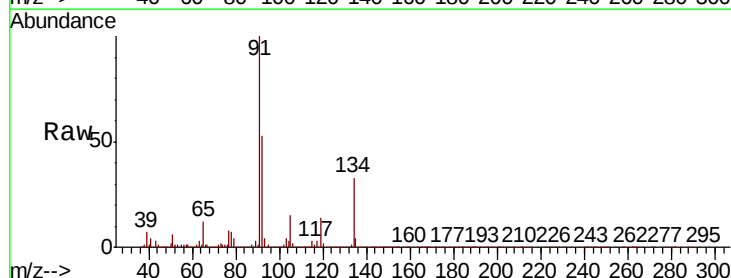
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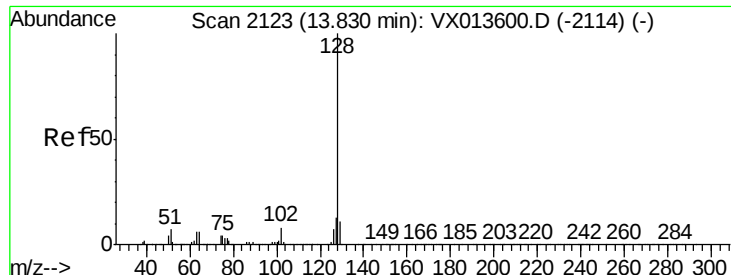
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#89
 n-Butylbenzene
 Concen: 10.185 ug/l m
 RT: 12.38 min Scan# 1886
 Delta R.T. -0.00 min
 Lab File: VX013663.D
 Acq: 27 Nov 2019 19:44

Tgt Ion	Ratio	Lower	Upper
91	100		
92	71.6	27.4	82.2
134	192.2	13.5	40.4#





#95
Naphthalene
Concen: 134.482 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX013663.D
Acq: 27 Nov 2019 19:44

Instrument :
MSVOA_X
ClientSampleId :
MW-3

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.3	15.5
129	11.4	8.7	13.1

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