

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\VX100419\
 Data File : VX012807.D
 Acq On : 04 Oct 2019 13:28
 Operator : JC/SP
 Sample : K5176-02ME
 Misc : 5.02g/10mL/100uL/10mL/MSVOA_X/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

Manual Integrations
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 10/7/2019 9:38:53 AM

Quant Time: Oct 07 09:31:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 23 12:27:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	163707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	274435	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	233377	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	99772	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	6.05	65	105961	44.45	ug/l	0.00
Spiked Amount			Recovery	=	88.90%	
35) Dibromofluoromethane	5.49	113	80954	49.53	ug/l	0.00
Spiked Amount			Recovery	=	99.06%	
50) Toluene-d8	8.71	98	326791	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	11.14	95	117424	47.45	ug/l	0.00
Spiked Amount			Recovery	=	94.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	3.26	59	80186m	134.651	ug/l	
16) Acetone	2.49	43	171580	135.883	ug/l	93
18) Methyl Acetate	2.80	43	4356	1.465	ug/l	96
39) Methylcyclohexane	7.45	83	6799	2.135	ug/l	95
48) Methyl methacrylate	7.78	41	20410	8.230	ug/l	93
51) 4-Methyl-2-Pentanone	8.65	43	44627	13.979	ug/l	97
52) Toluene	8.78	92	768811	157.165	ug/l	98
64) Tetrachloroethene	9.33	164	1741	1.070	ug/l	94
67) Ethyl Benzene	10.25	91	38142	4.279	ug/l	99
68) m/p-Xylenes	10.35	106	49363	14.784	ug/l	97
69) o-Xylene	10.70	106	20564	6.365	ug/l	98
73) Isopropylbenzene	11.01	105	12703	1.563	ug/l	94
78) n-propylbenzene	11.35	91	53797	5.880	ug/l	99
80) 1,3,5-Trimethylbenzene	11.50	105	65041	9.545	ug/l	99
84) 1,2,4-Trimethylbenzene	11.81	105	222781	32.408	ug/l	99
85) sec-Butylbenzene	11.94	105	28245	3.694	ug/l	89
86) p-Isopropyltoluene	12.06	119	15797	2.290	ug/l	96
89) n-Butylbenzene	12.38	91	57422	9.446	ug/l #	56
95) Naphthalene	13.83	128	96475	13.195	ug/l	97

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

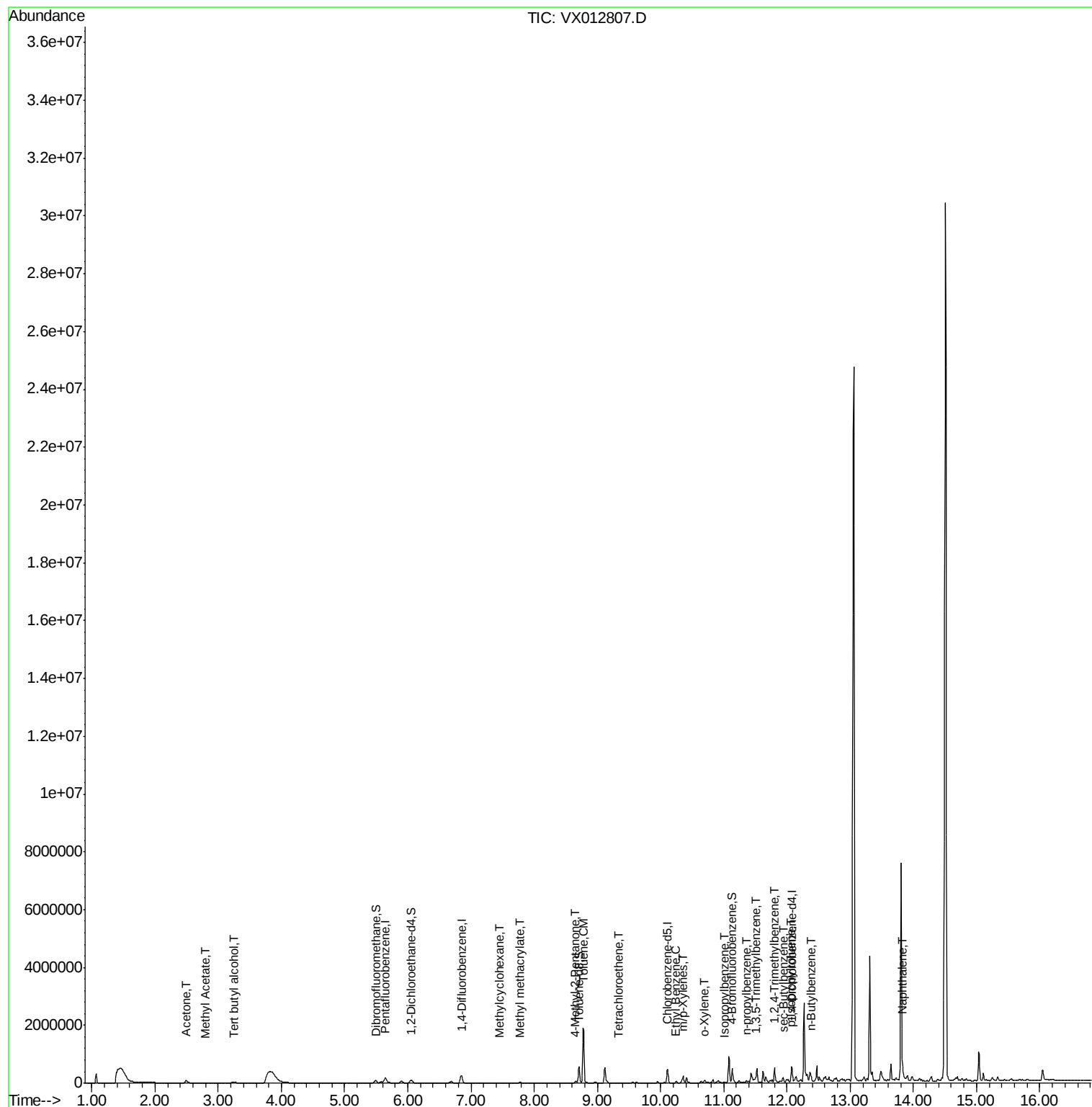
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX100419\
Data File : VX012807.D
Acq On : 04 Oct 2019 13:28
Operator : JC/SP
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ALS Vial : 7 Sample Multiplier: 1

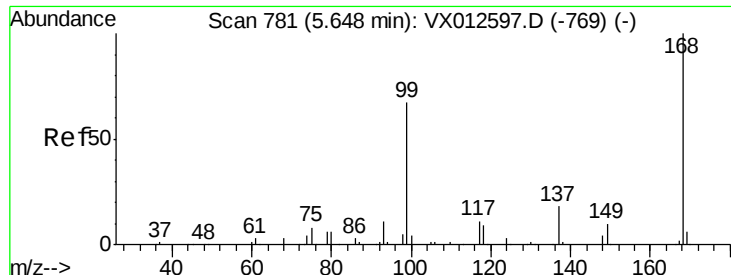
Instrument :
MSVOA_X
ClientSampleId :
30440-30377

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10/7/2019 9:38:53 AM

Quant Time: Oct 07 09:31:40 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X092319W.M
Quant Title : SW846 8260
QLast Update : Mon Sep 23 12:27:01 2019
Response via : Initial Calibration





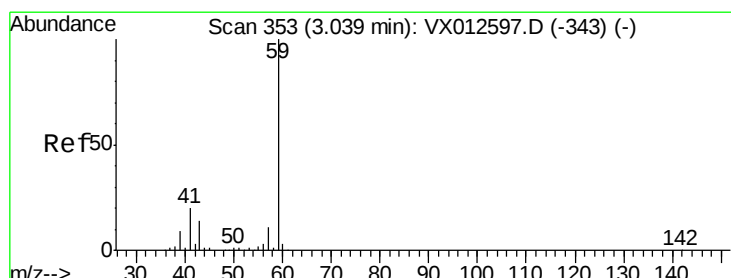
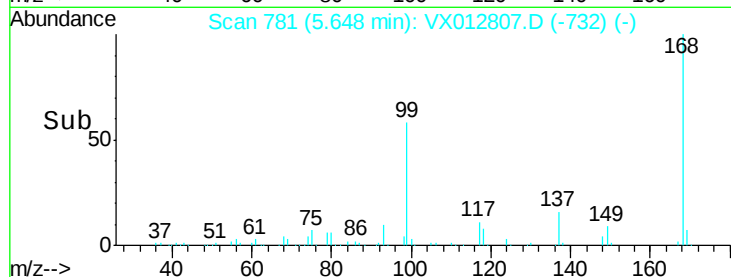
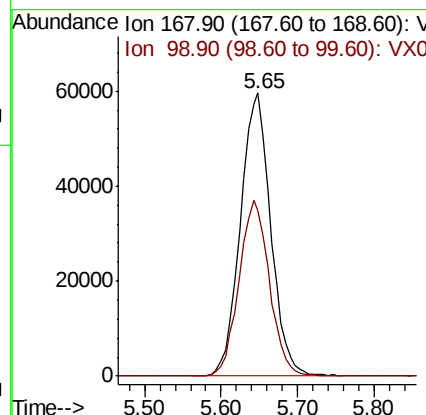
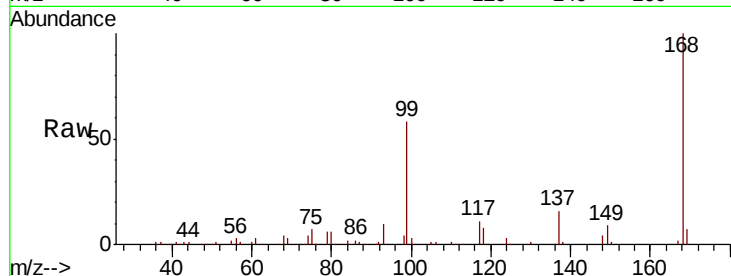
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.65 min Scan# 781
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion	Ratio	Lower	Upper
168	100		
99	58.3	51.4	77.2

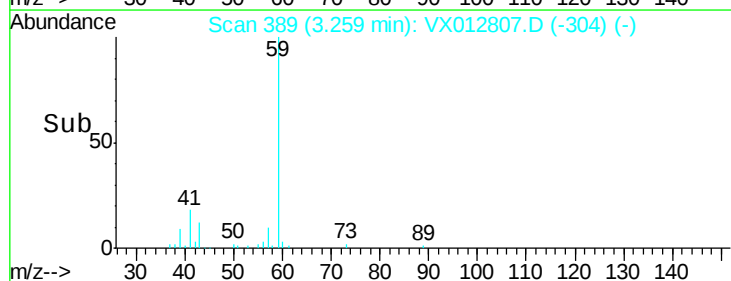
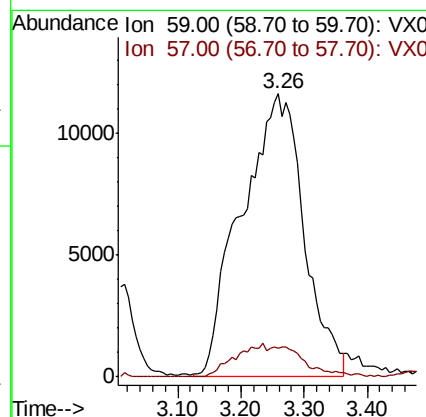
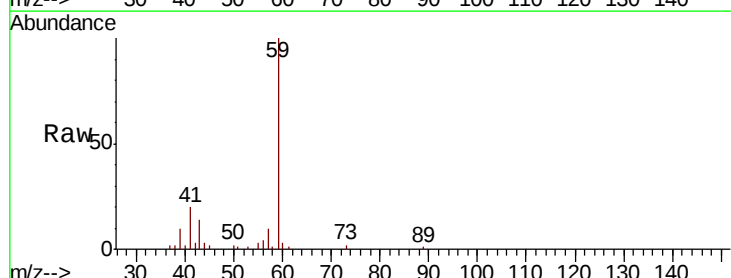
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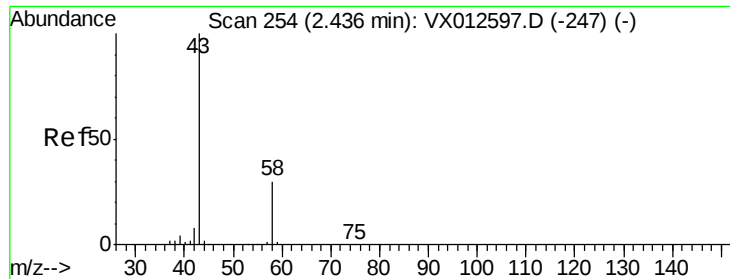
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#11
Tert butyl alcohol
Concen: 134.651 ug/l m
RT: 3.26 min Scan# 389
Delta R.T. 0.22 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
59	100		
57	0.0	8.3	12.5#





#16

Acetone

Concen: 135.883 ug/l

RT: 2.49 min Scan# 263

Delta R.T. 0.06 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Tot Ion: 43 Resp: 171580

Ion Ratio Lower Upper

43 100

58 32.9 23.3 34.9

Instrument :

MSVOA_X

ClientSampleId :

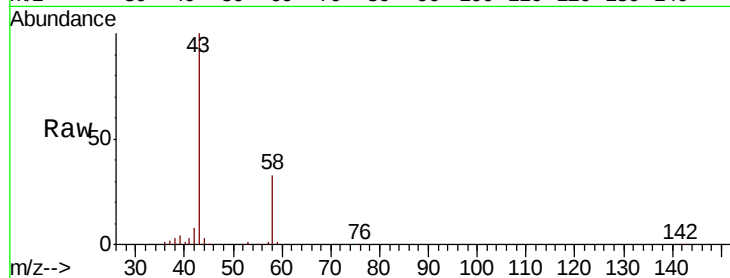
30440-30377

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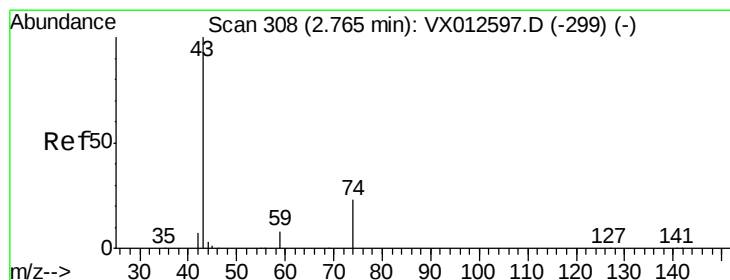
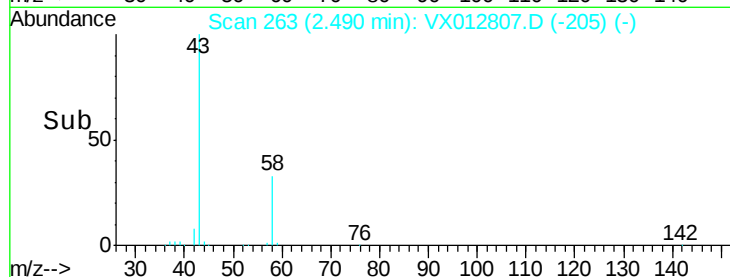
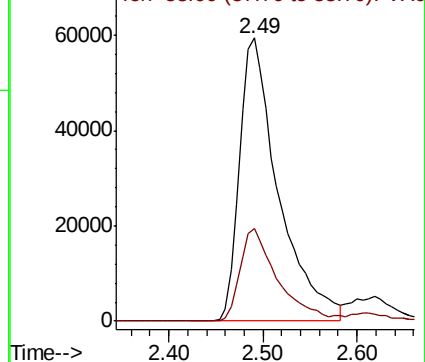
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#18

Methyl Acetate

Concen: 1.465 ug/l

RT: 2.80 min Scan# 313

Delta R.T. 0.03 min

Lab File: VX012807.D

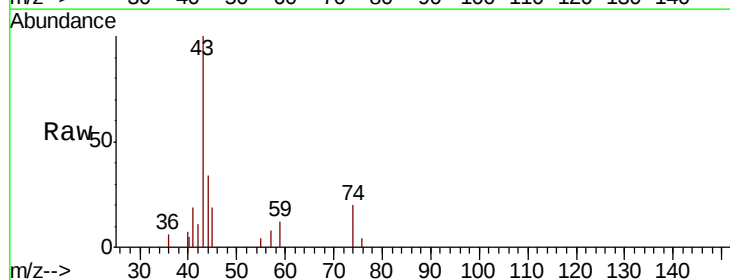
Acq: 04 Oct 2019 13:28

Tgt Ion: 43 Resp: 4356

Ion Ratio Lower Upper

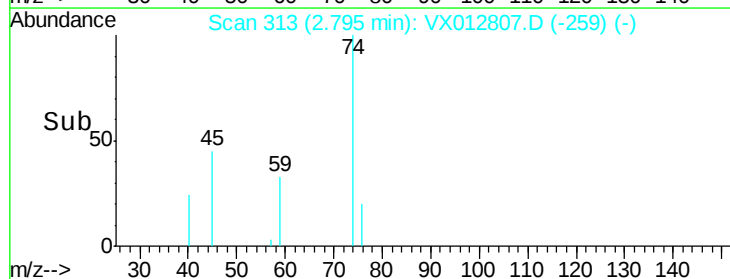
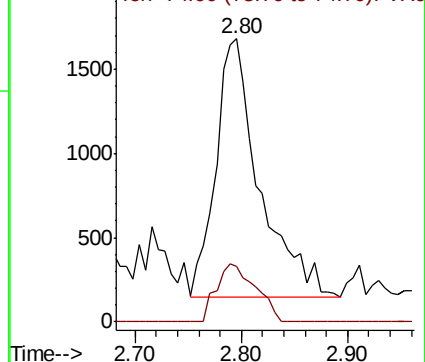
43 100

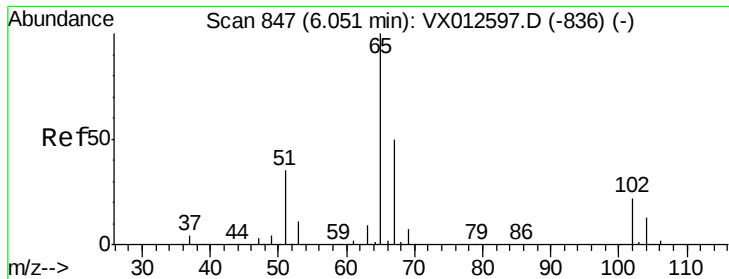
74 20.2 17.7 26.5



Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 74.00 (73.70 to 74.70): VX0





#33

1,2-Dichloroethane-d4

Concen: 44.449 ug/l

RT: 6.05 min Scan# 847

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tot Ion: 65 Resp: 105961

Ion Ratio Lower Upper

65 100

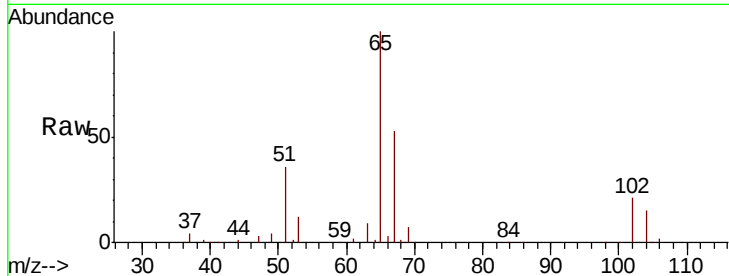
67 53.5 0.0 101.2

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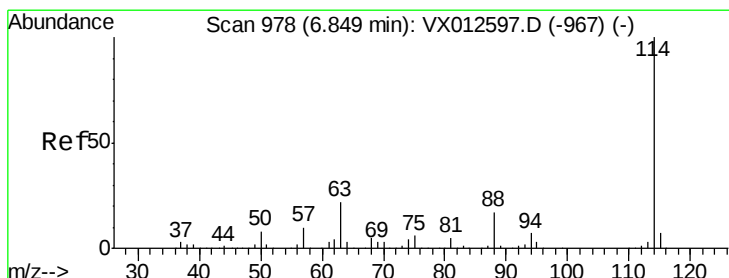
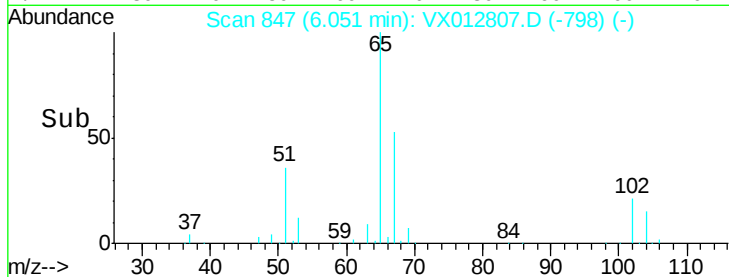
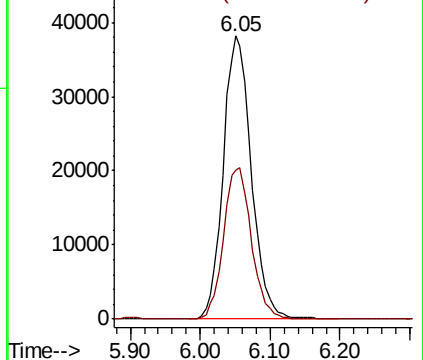
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Abundance Ion 64.90 (64.60 to 65.60): VX0

Ion 66.90 (66.60 to 67.60): VX0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

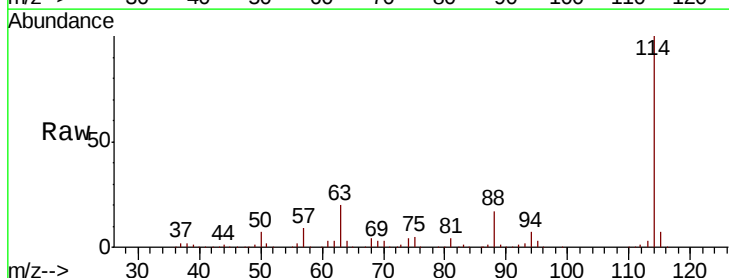
Tgt Ion: 114 Resp: 274435

Ion Ratio Lower Upper

114 100

63 20.1 0.0 43.2

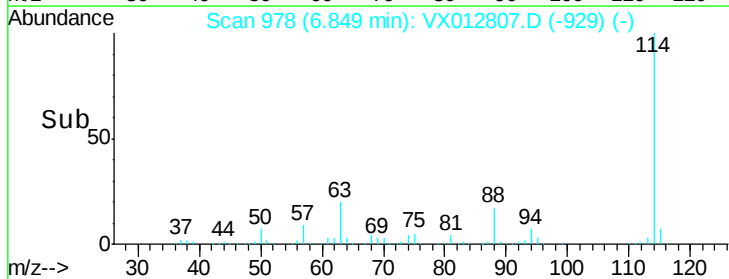
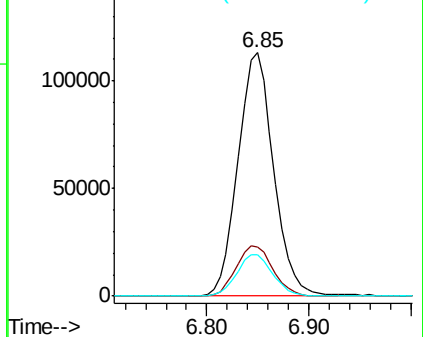
88 17.0 0.0 33.2

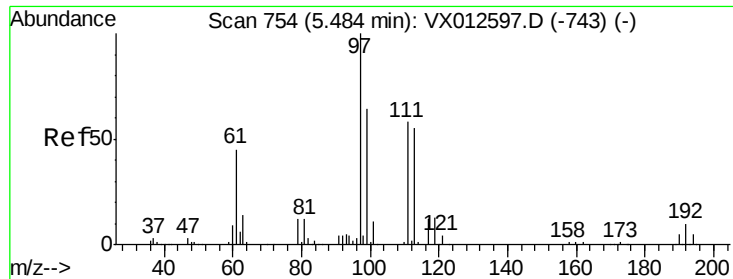


Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VX0

Ion 87.90 (87.60 to 88.60): VX0





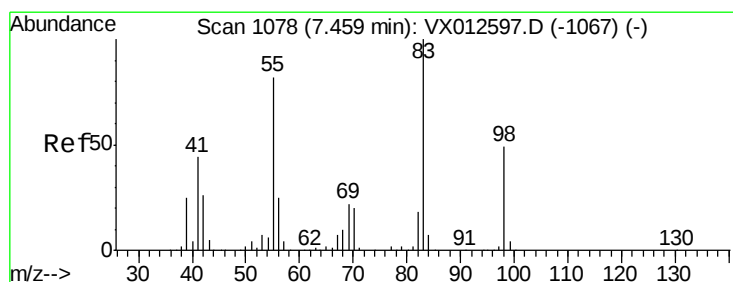
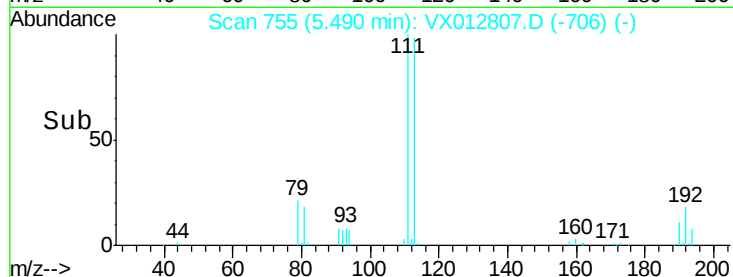
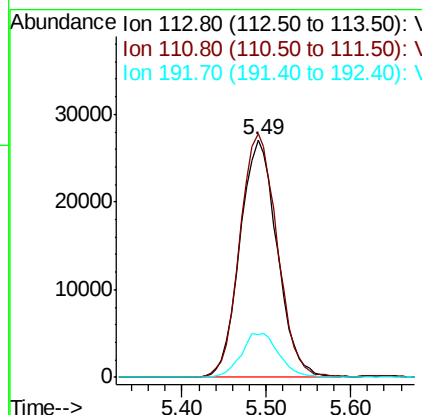
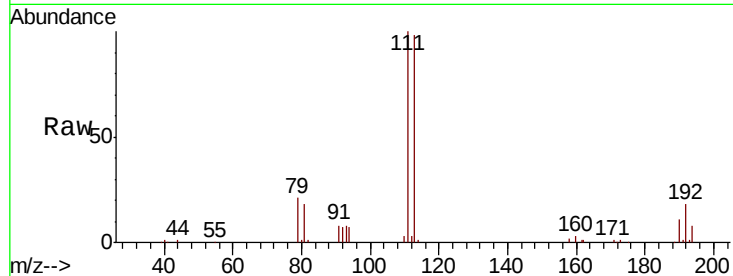
#35
Dibromofluoromethane
Concen: 49.532 ug/l
RT: 5.49 min Scan# 755
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.3	83.4	125.2
192	18.7	14.4	21.6

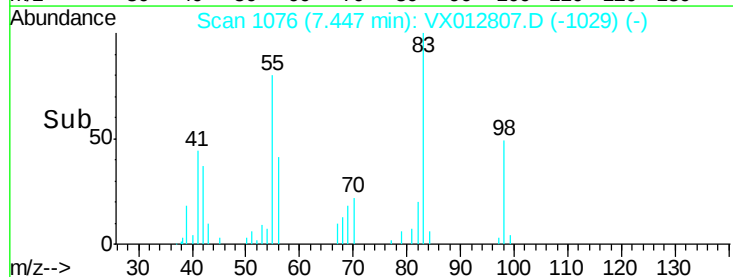
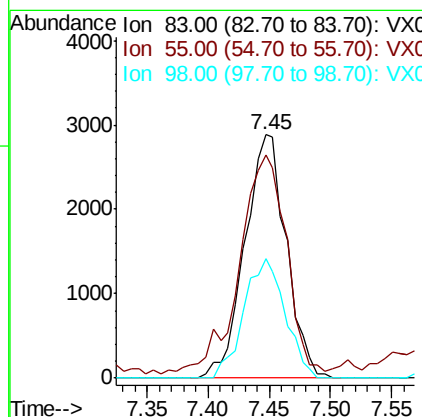
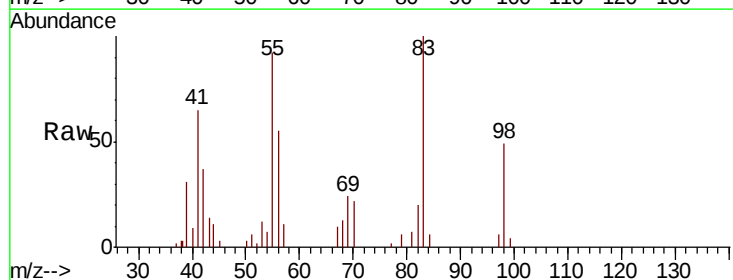
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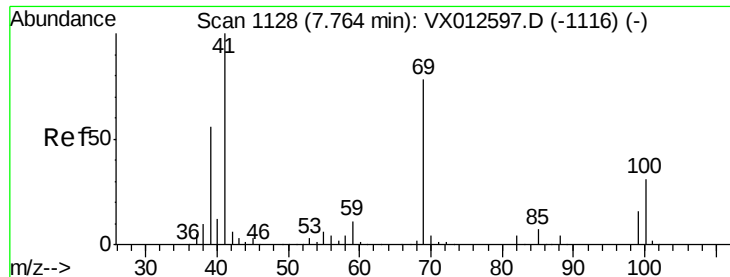
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#39
Methylcyclohexane
Concen: 2.135 ug/l
RT: 7.45 min Scan# 1076
Delta R.T. -0.01 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
83	100		
55	86.9	64.4	96.6
98	49.0	40.1	60.1





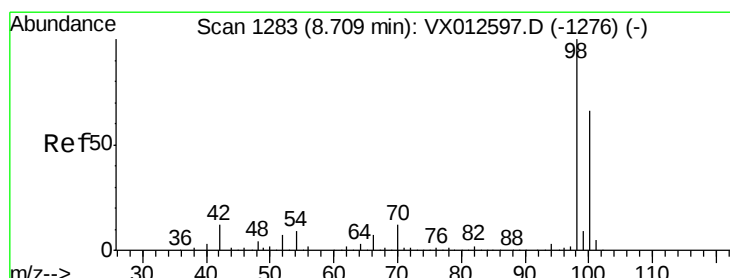
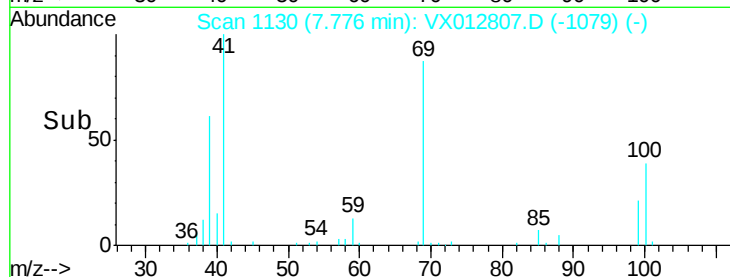
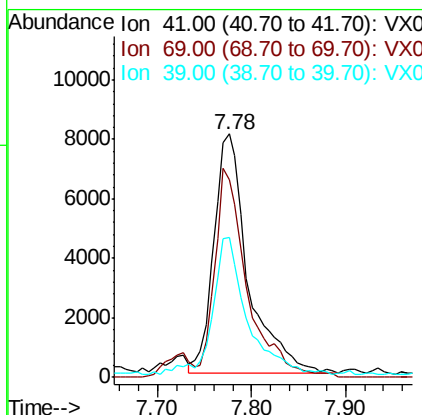
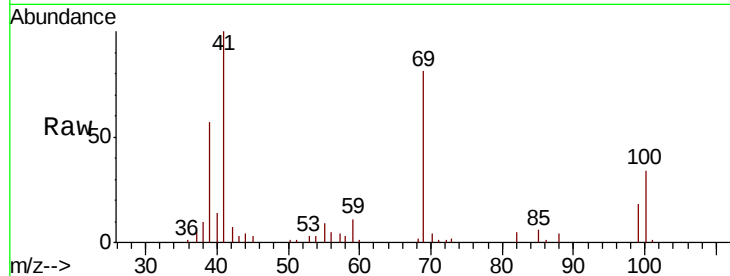
#48
Methvl methacrylate
Concen: 8.230 ug/l
RT: 7.78 min Scan# 1130
Delta R.T. 0.01 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion	Ratio	Lower	Upper
41	100		
69	82.6	59.9	89.9
39	56.6	47.8	71.6

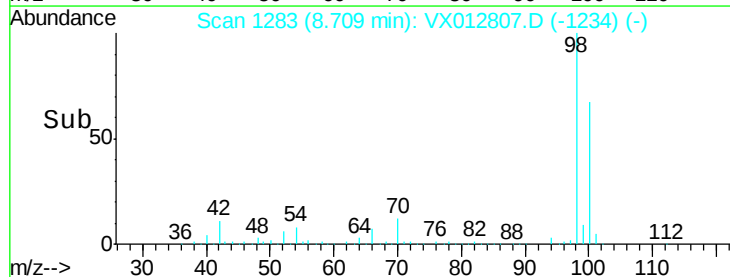
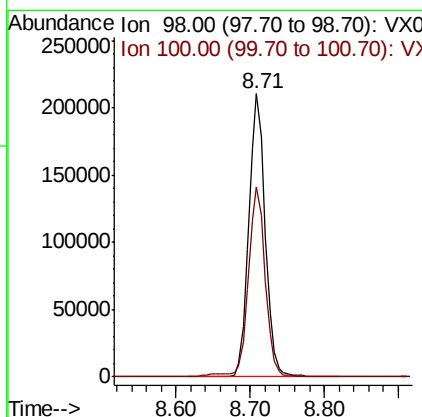
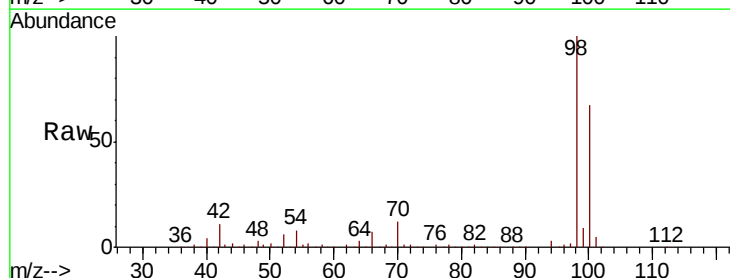
Manual Integrations
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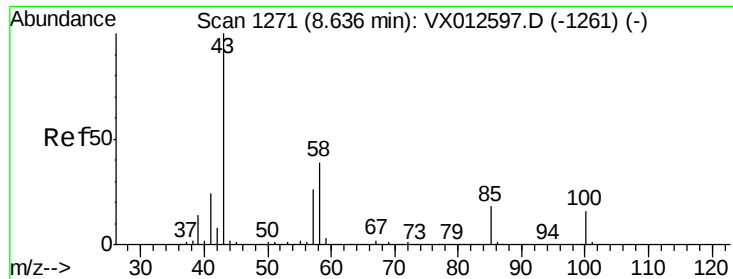
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#50
Toluene-d8
Concen: 51.920 ug/l
RT: 8.71 min Scan# 1283
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
98	100		
100	67.7	53.4	80.2





#51

4-Methyl-2-Pentanone

Concen: 13.979 ug/l

RT: 8.65 min Scan# 1274

Delta R.T. 0.02 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tot Ion: 43 Resp: 44627

Ion Ratio Lower Upper

43 100

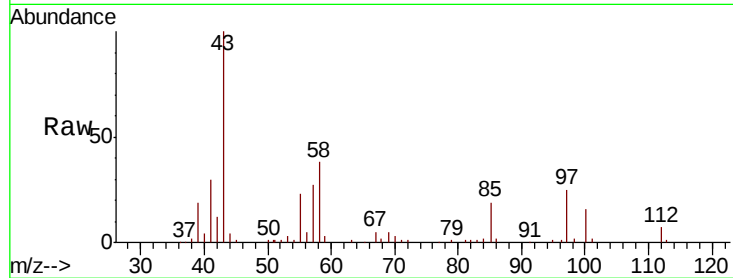
58 39.0 29.8 44.6

Manual Integrations

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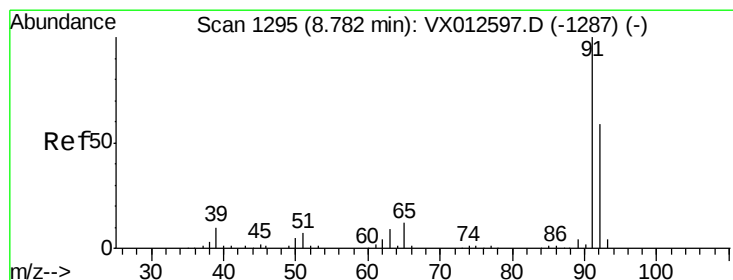
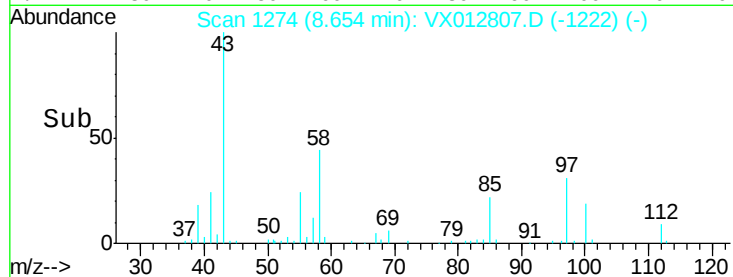
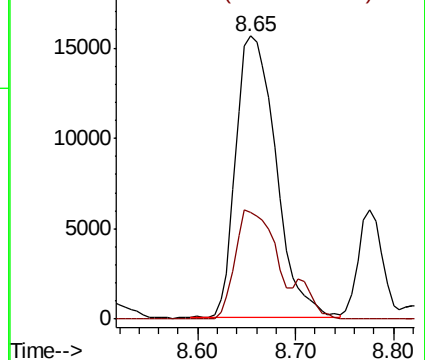
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Abundance Ion 43.00 (42.70 to 43.70): VX0

Ion 58.00 (57.70 to 58.70): VX0



#52

Toluene

Concen: 157.165 ug/l

RT: 8.78 min Scan# 1294

Delta R.T. -0.01 min

Lab File: VX012807.D

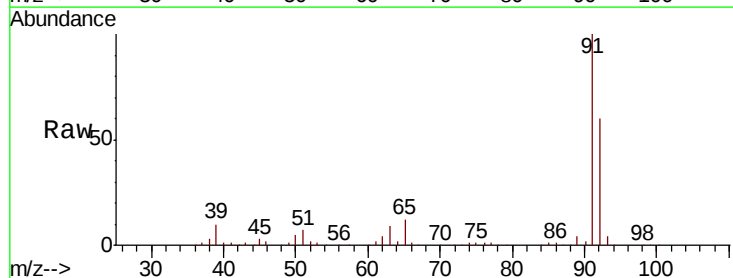
Acq: 04 Oct 2019 13:28

Tgt Ion: 92 Resp: 768811

Ion Ratio Lower Upper

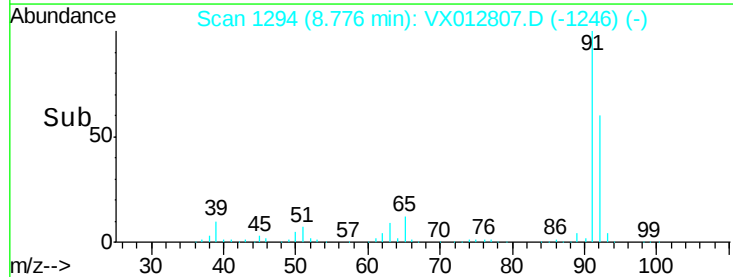
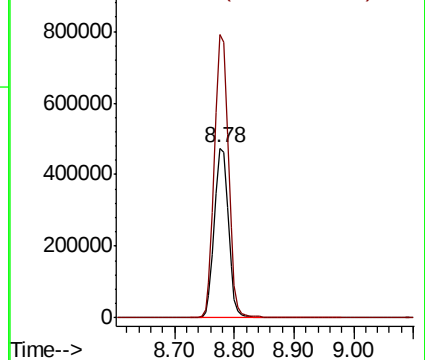
92 100

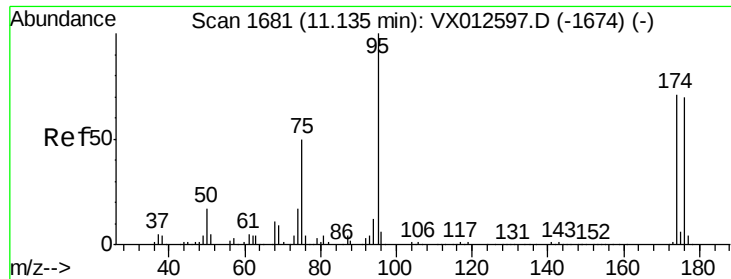
91 166.6 135.4 203.0



Abundance Ion 92.00 (91.70 to 92.70): VX0

Ion 91.00 (90.70 to 91.70): VX0





#62

4-Bromofluorobenzene

Concen: 47.447 ug/l

RT: 11.14 min Scan# 1681

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

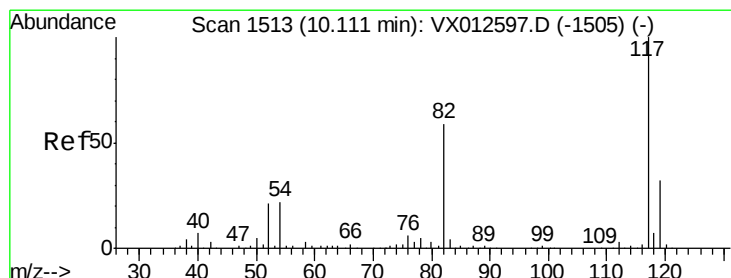
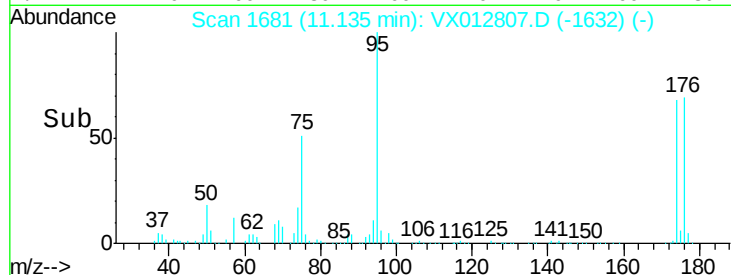
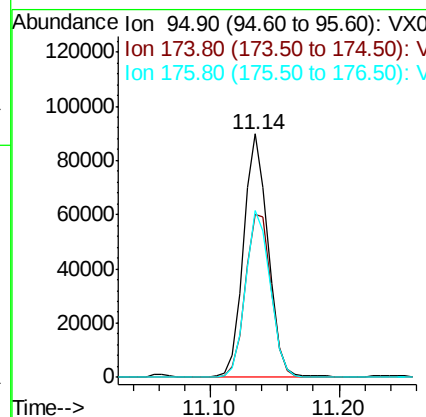
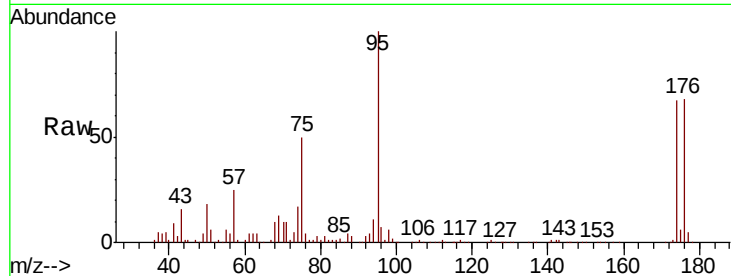
ClientSampleId :

30440-30377

Tot Ion:	95	Resp:	117424
Ion	Ratio	Lower	Upper
95	100		
174	70.5	0.0	140.0
176	69.0	0.0	135.4

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#63

Chlorobenzene-d5

Concen: 50.000 ug/l

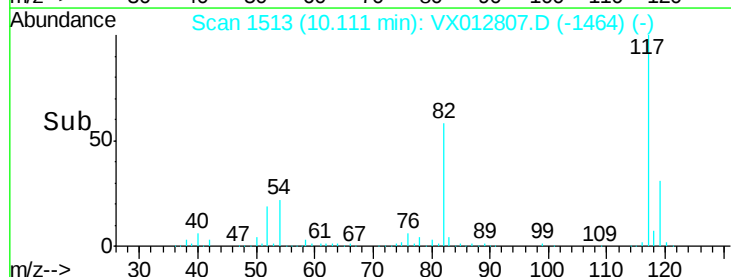
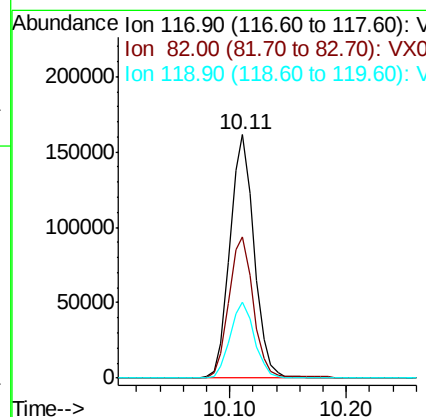
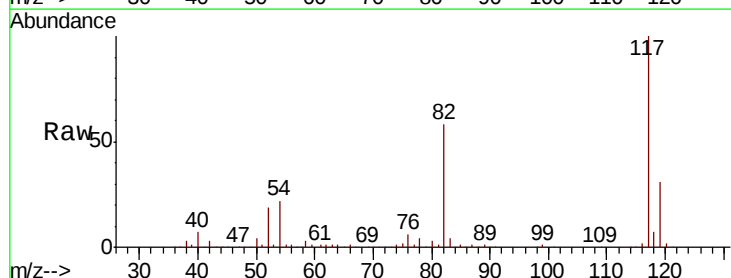
RT: 10.11 min Scan# 1513

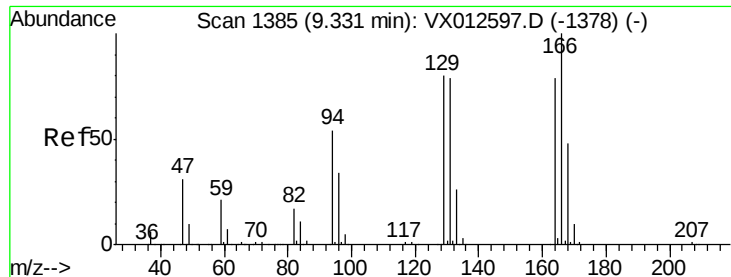
Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Tgt Ion:	117	Resp:	233377
Ion	Ratio	Lower	Upper
117	100		
82	57.6	45.9	68.9
119	31.4	25.3	37.9





#64

Tetrachloroethene

Concen: 1.070 ug/l

RT: 9.33 min Scan# 1385

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tot Ion:164 Resp: 1741

Ion Ratio Lower Upper

164 100

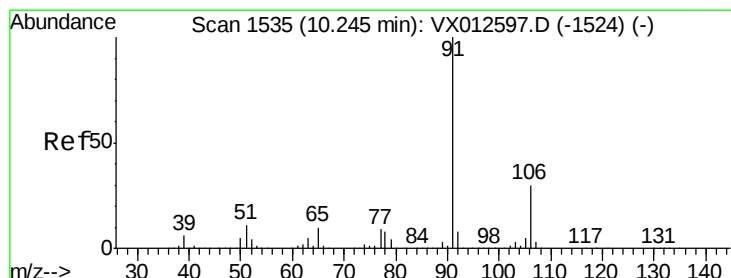
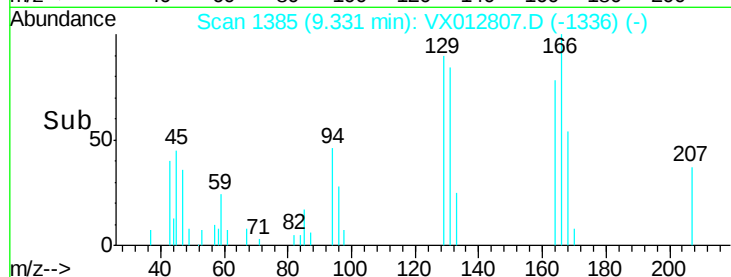
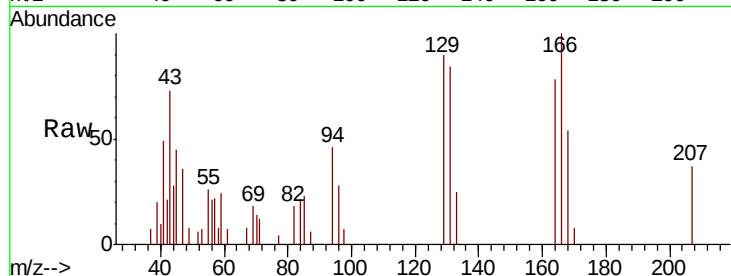
166 127.7 107.8 161.6

129 114.3 86.2 129.2

131 107.7 80.4 120.6

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#67

Ethyl Benzene

Concen: 4.279 ug/l

RT: 10.25 min Scan# 1535

Delta R.T. -0.00 min

Lab File: VX012807.D

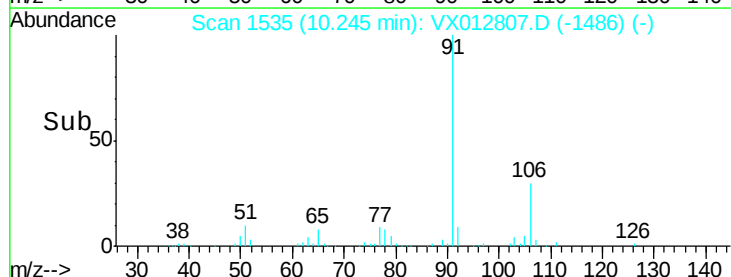
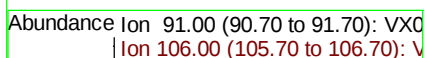
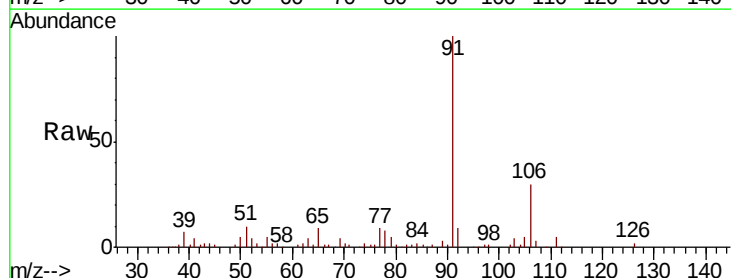
Acq: 04 Oct 2019 13:28

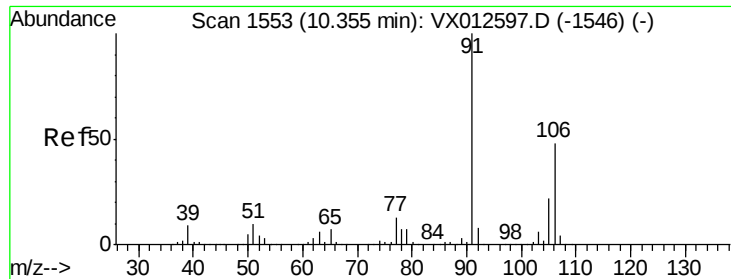
Tgt Ion: 91 Resp: 38142

Ion Ratio Lower Upper

91 100

106 30.4 24.6 37.0





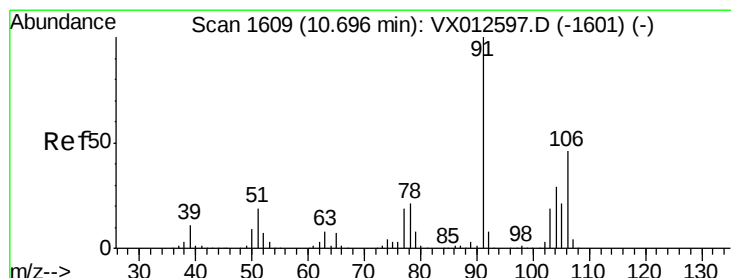
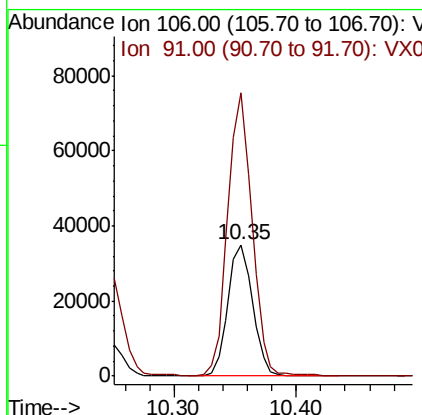
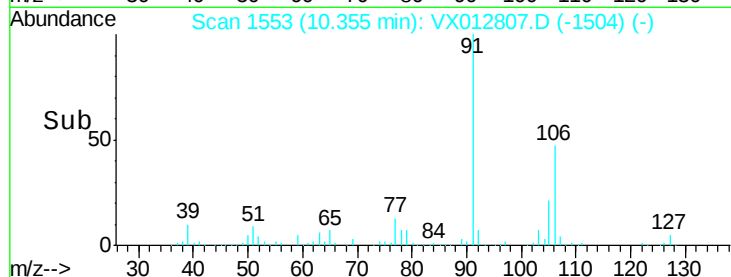
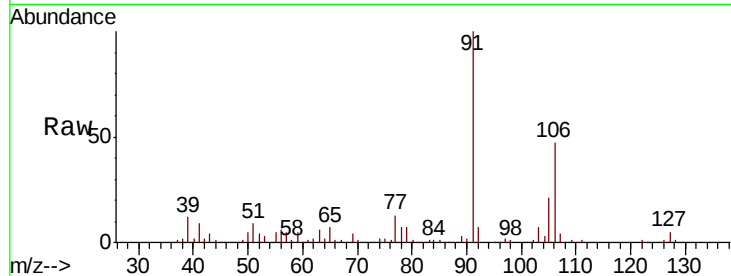
#68
m/p-Xylenes
Concen: 14.784 ug/l
RT: 10.35 min Scan# 1553
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion:106 Resp: 49363
Ion Ratio Lower Upper
106 100
91 212.3 166.6 250.0

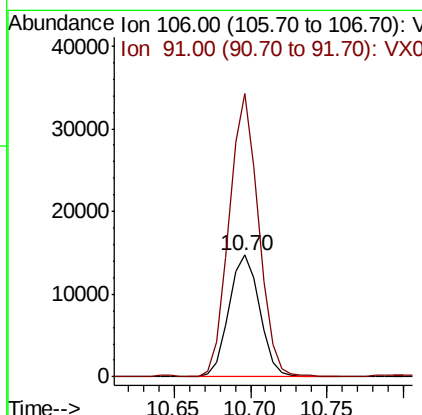
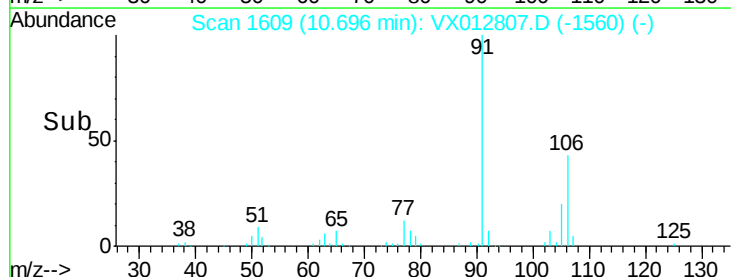
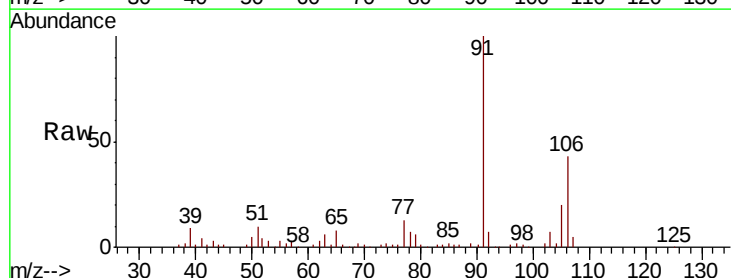
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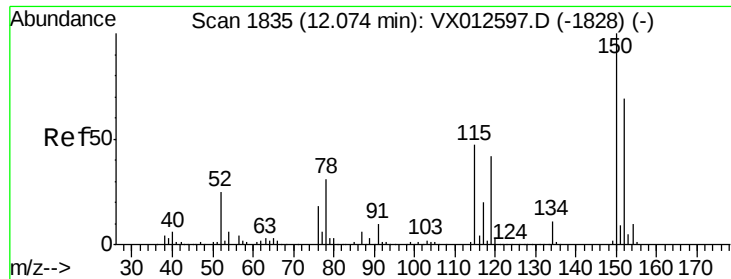
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#69
o-Xylene
Concen: 6.365 ug/l
RT: 10.70 min Scan# 1609
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion:106 Resp: 20564
Ion Ratio Lower Upper
106 100
91 222.8 109.4 328.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tot Ion:152 Resp: 99772

Ion Ratio Lower Upper

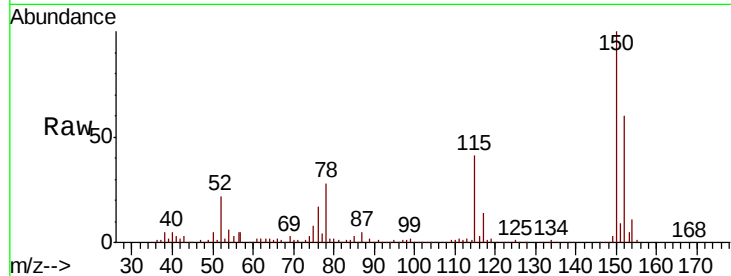
152 100

115 66.0 44.1 132.3

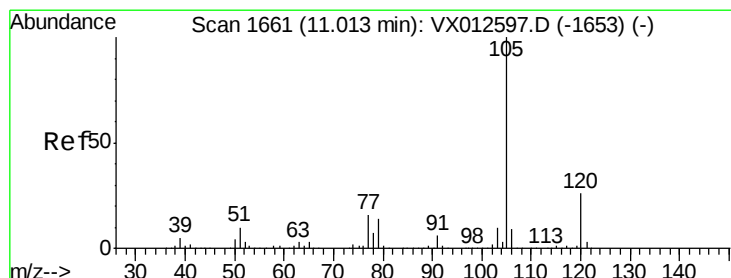
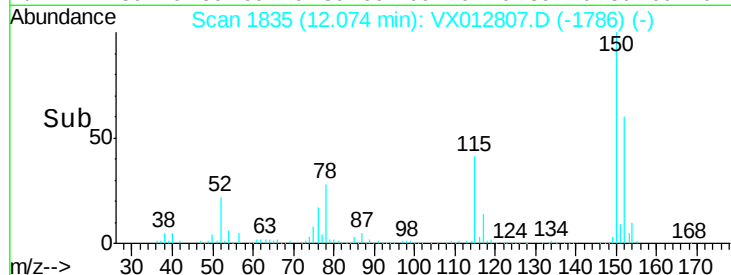
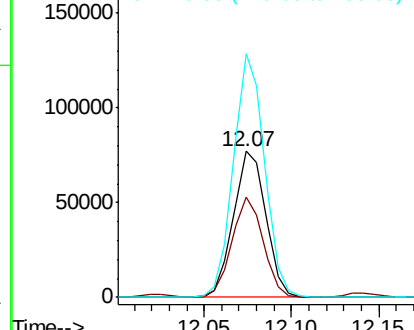
150 159.1 0.0 343.8

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Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.563 ug/l

RT: 11.01 min Scan# 1661

Delta R.T. -0.00 min

Lab File: VX012807.D

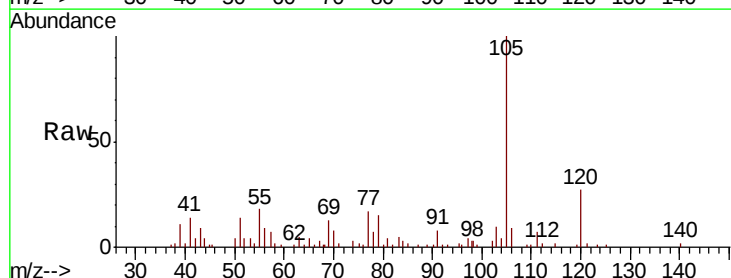
Acq: 04 Oct 2019 13:28

Tgt Ion:105 Resp: 12703

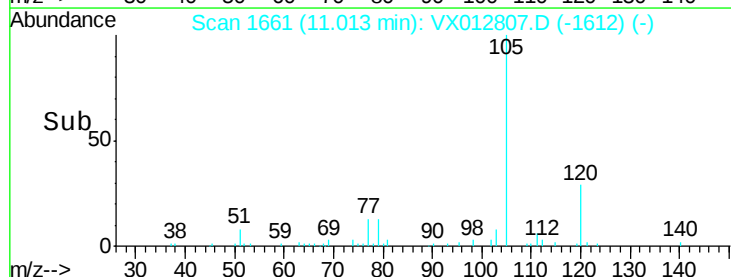
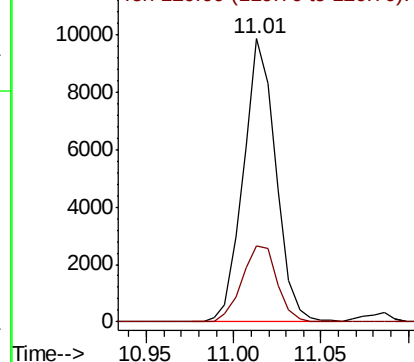
Ion Ratio Lower Upper

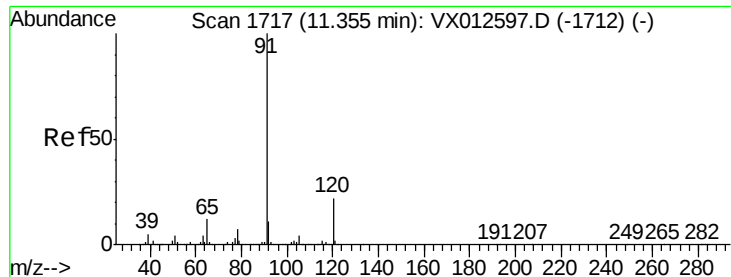
105 100

120 28.9 12.9 38.7



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





#78

n-propylbenzene

Concen: 5.880 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. -0.00 min

Lab File: VX012807.D

Acq: 04 Oct 2019 13:28

Instrument :

MSVOA_X

ClientSampleId :

30440-30377

Tot Ion: 91 Resp: 53797

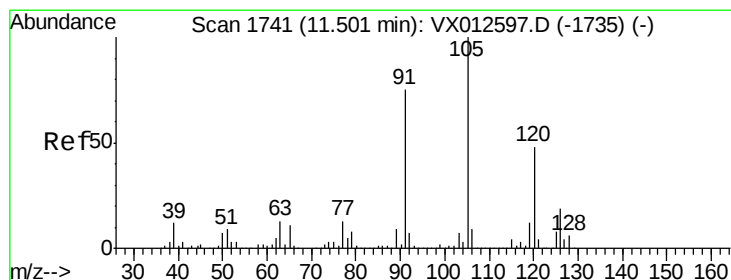
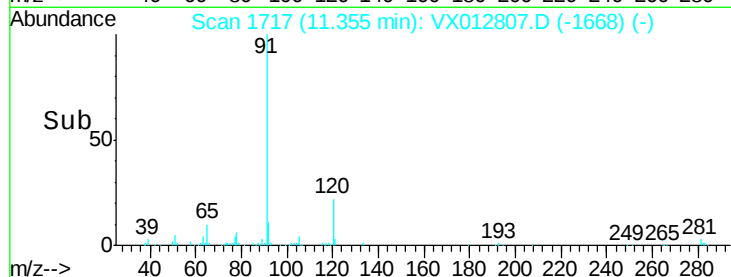
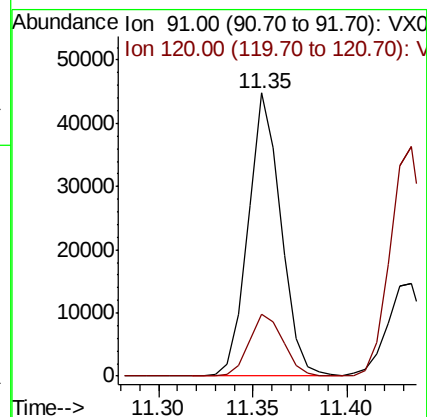
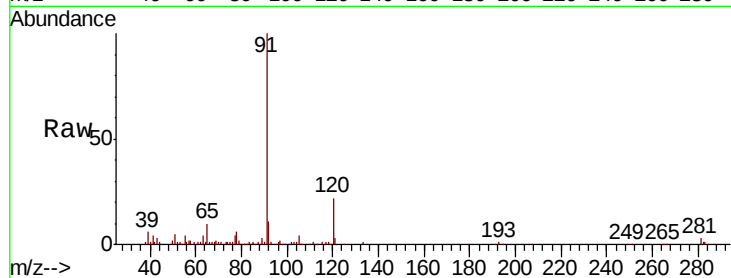
Ion Ratio Lower Upper

91 100

120 22.8 11.3 33.8

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#80

1,3,5-Trimethylbenzene

Concen: 9.545 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. -0.00 min

Lab File: VX012807.D

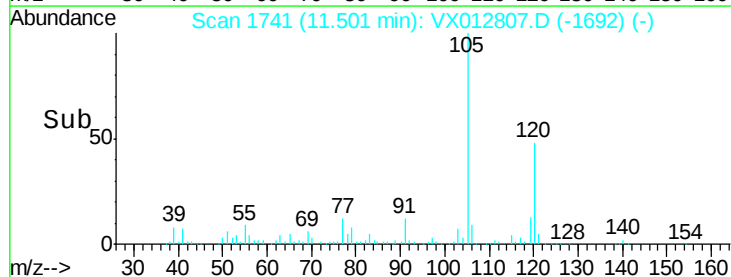
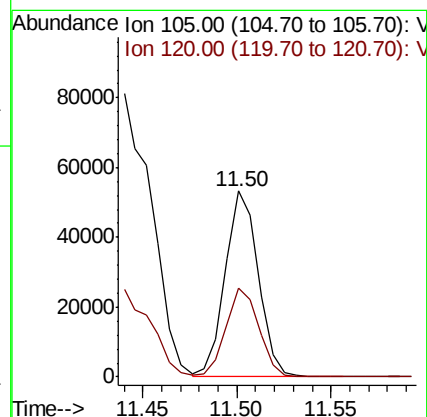
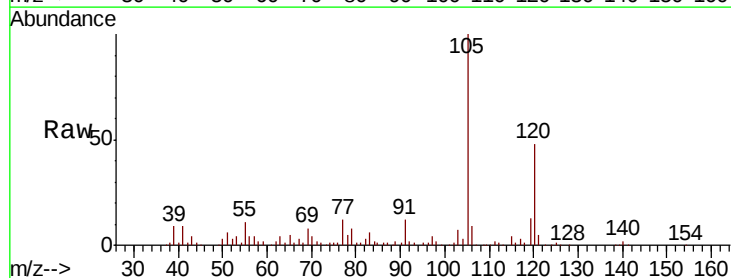
Acq: 04 Oct 2019 13:28

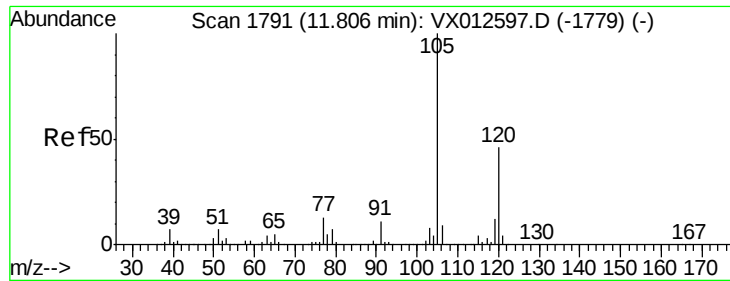
Tgt Ion: 105 Resp: 65041

Ion Ratio Lower Upper

105 100

120 47.8 24.3 72.8





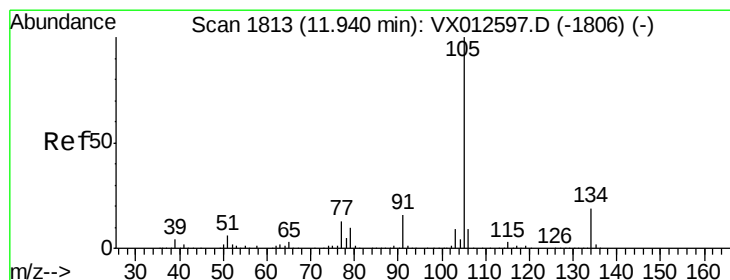
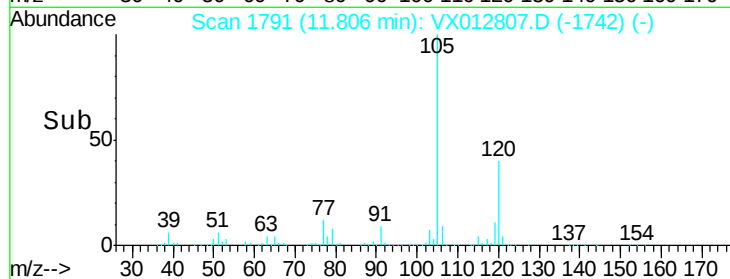
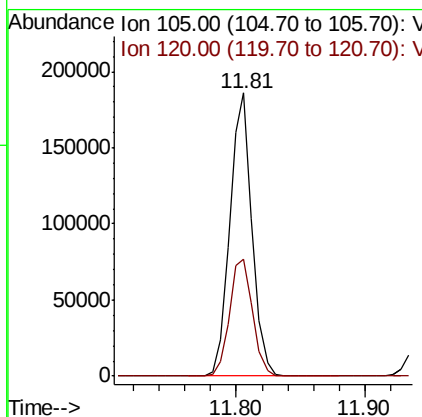
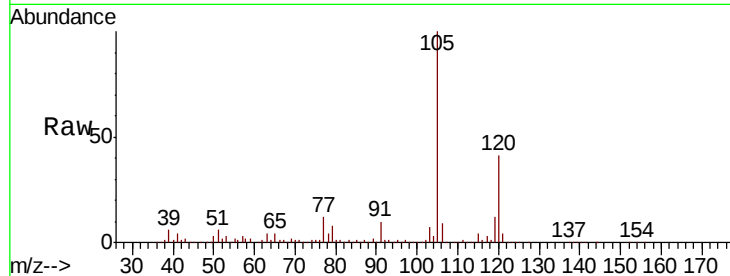
#84
 1,2,4-Trimethylbenzene
 Concen: 32.408 ug/l
 RT: 11.81 min Scan# 1791
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Instrument :
 MSVOA_X
 ClientSampleId :
 30440-30377

Tot Ion	Ratio	Lower	Upper
105	100		
120	43.5	22.2	66.6

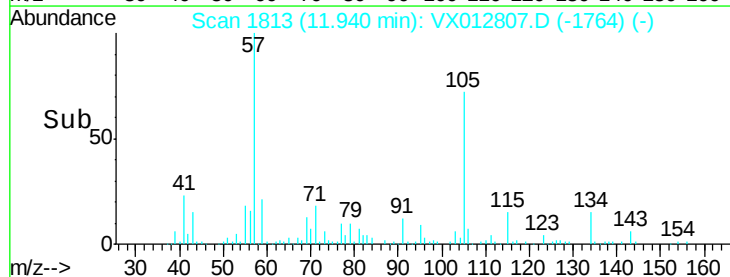
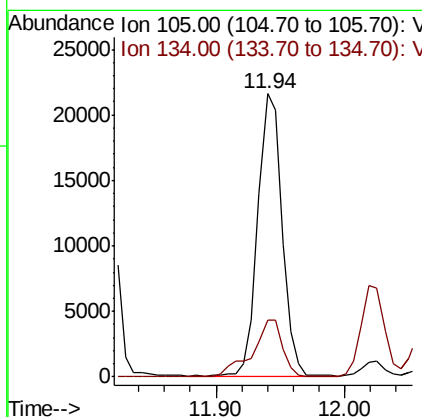
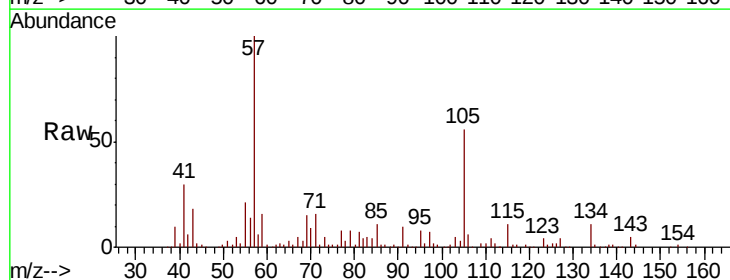
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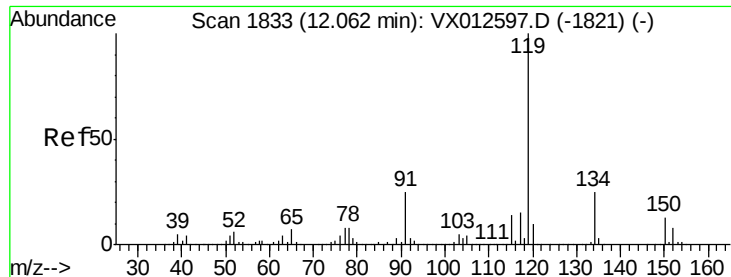
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#85
 sec-Butylbenzene
 Concen: 3.694 ug/l
 RT: 11.94 min Scan# 1813
 Delta R.T. -0.00 min
 Lab File: VX012807.D
 Acq: 04 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
105	100		
134	24.7	9.8	29.4





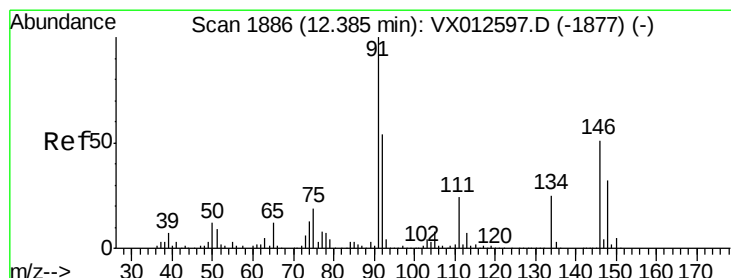
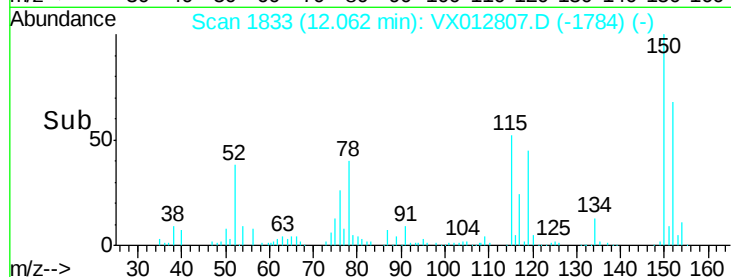
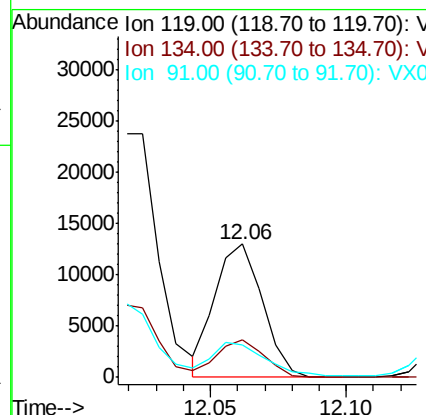
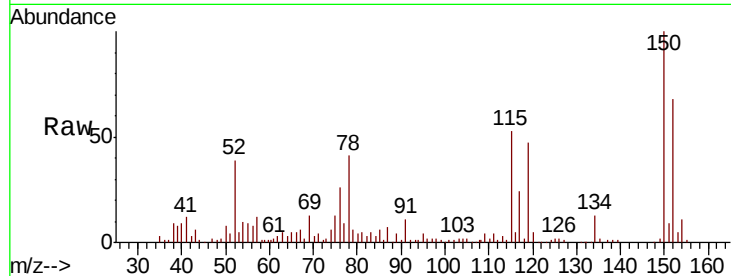
#86
p-Isopropyltoluene
Concen: 2.290 ug/l
RT: 12.06 min Scan# 1833
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion	Ratio	Lower	Upper
119	100		
134	28.3	12.7	38.1
91	26.6	12.8	38.4

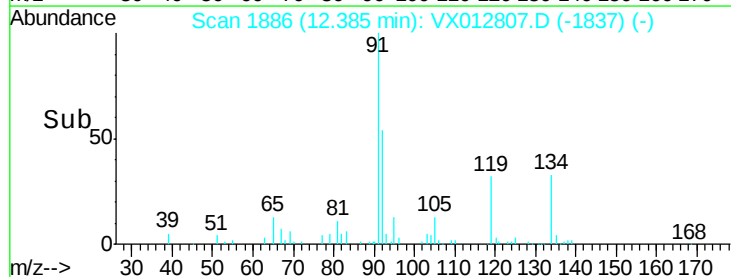
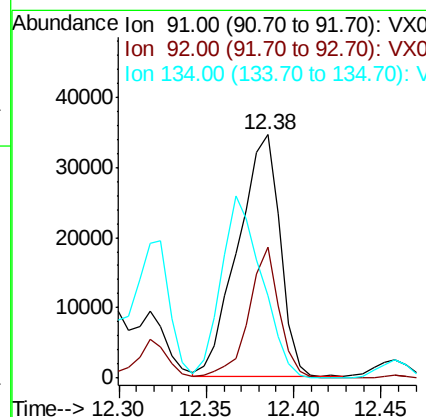
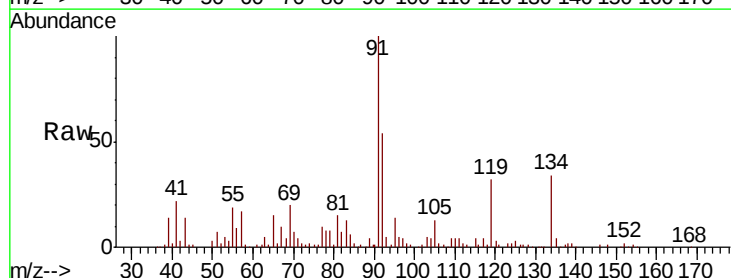
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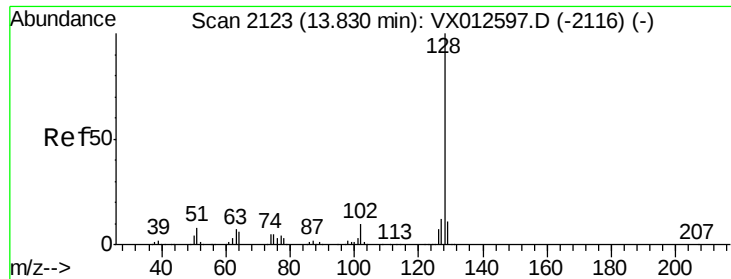
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#89
n-Butylbenzene
Concen: 9.446 ug/l
RT: 12.38 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Tgt Ion	Ratio	Lower	Upper
91	100		
92	39.9	27.7	83.0
134	72.9	12.9	38.6#





#95
Naphthalene
Concen: 13.195 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. -0.00 min
Lab File: VX012807.D
Acq: 04 Oct 2019 13:28

Instrument :
MSVOA_X
ClientSampleId :
30440-30377

Tot Ion	Ratio	Resp	Lower	Upper
128	100	96475		
127	11.7		10.2	15.4
129	12.1		8.8	13.2

Manual Integrations
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