

Data Path : Z:\VOASRV\HPCHEM1\MSVOA X\DATA\WX020520\
 Data File : VX014833.D
 Acq On : 05 Feb 2020 19:23
 Operator : JC/SP
 Sample : L1329-16
 Misc : 5.0mL/MSVOA X/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 40230

Manual Integrations
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MMDadoda
 2/6/2020 1:32:05 PM

Quant Time: Feb 06 06:35:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 22 12:35:15 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	5.65	168	422259	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	6.85	114	660529	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.11	117	619684	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.07	152	317388	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	6.05	65	244649	49.61	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.22%	
35) Dibromofluoromethane	5.49	113	198145	47.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.08%	
50) Toluene-d8	8.71	98	796489	49.71	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.42%	
62) 4-Bromofluorobenzene	11.13	95	291677	51.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.20%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	3.03	59	29274	26.443	ug/l	99
16) Acetone	2.43	43	1054533	390.121	ug/l	99
19) Methyl tert-butyl Ether	3.19	73	79693	5.796	ug/l	97
22) Diisopropyl ether	3.84	45	27249	1.815	ug/l #	88
25) 2-Butanone	4.66	43	92758	23.956	ug/l	94
31) Cyclohexane	5.57	56	5397m	0.704	ug/l	
37) Ethyl Acetate	4.83	43	21124	3.005	ug/l #	93
39) Methylcyclohexane	7.46	83	11230	1.461	ug/l	97
40) Benzene	6.14	78	461610	24.341	ug/l	100
51) 4-Methyl-2-Pentanone	8.64	43	33835	4.657	ug/l	99
52) Toluene	8.78	92	2302635	197.528	ug/l	100
59) 2-Hexanone	9.49	43	8057	1.429	ug/l	92
67) Ethyl Benzene	10.25	91	1636396	72.304	ug/l	100
68) m/p-Xylenes	10.36	106	2982276	347.822	ug/l	97
69) o-Xylene	10.70	106	1984895	239.795	ug/l	97
73) Isopropylbenzene	11.01	105	222695	9.979	ug/l	99
78) n-propylbenzene	11.35	91	643230	25.392	ug/l	100
80) 1,3,5-Trimethylbenzene	11.50	105	1231663	66.497	ug/l	99
84) 1,2,4-Trimethylbenzene	11.80	105	5409044	291.148	ug/l	98
85) sec-Butylbenzene	11.94	105	132457m	6.212	ug/l	
86) p-Isopropyltoluene	12.06	119	83872	4.256	ug/l	98
95) Naphthalene	13.83	128	2209867	98.408	ug/l	99

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

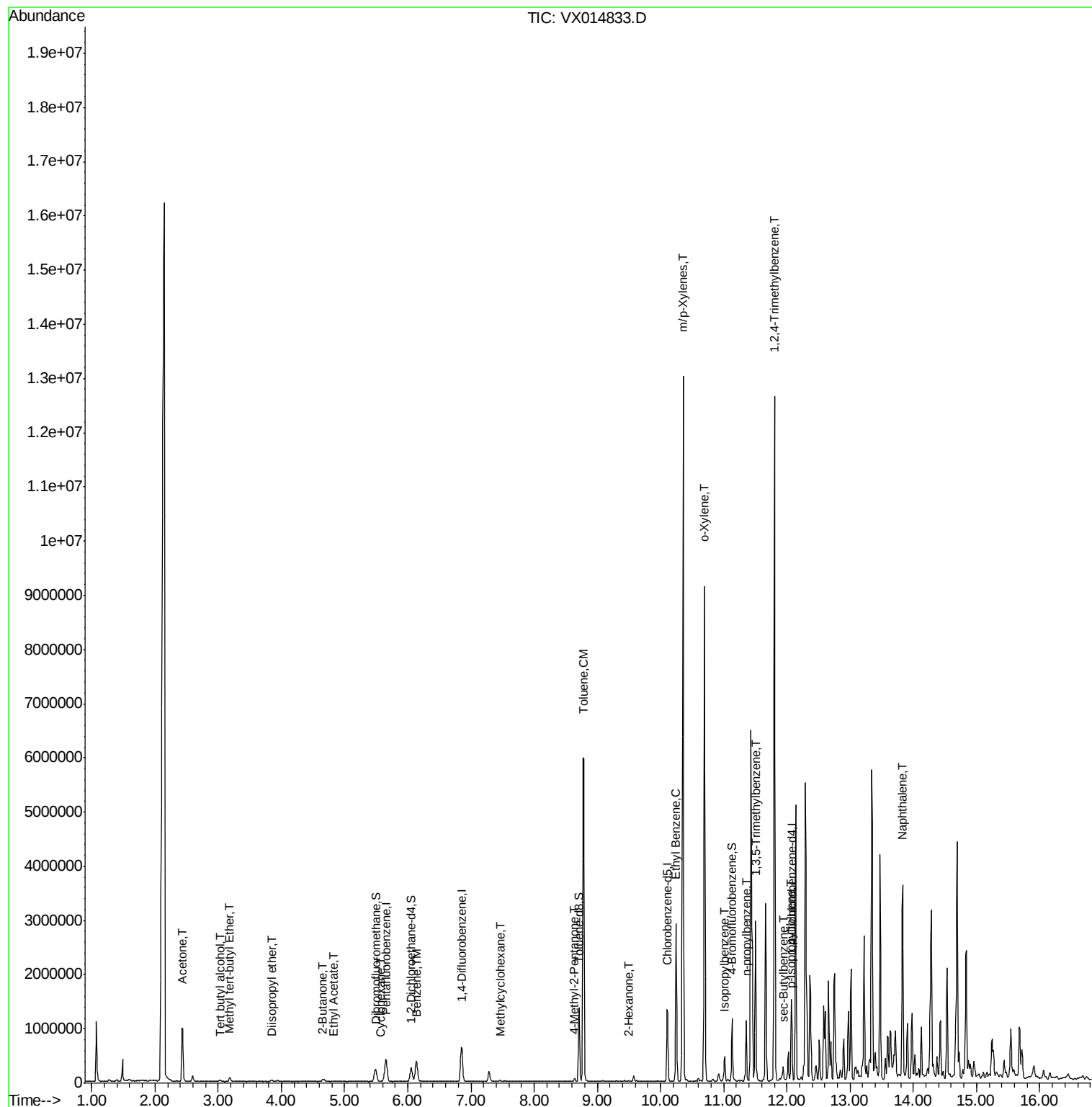
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA X\DATA\VX020520\
Data File : VX014833.D
Acq On : 05 Feb 2020 19:23
Operator : JC/SP
Sample : L1329-16
Misc : 5.0mL/MSVOA X/WATER
ALS Vial : 24 Sample Multiplier: 1

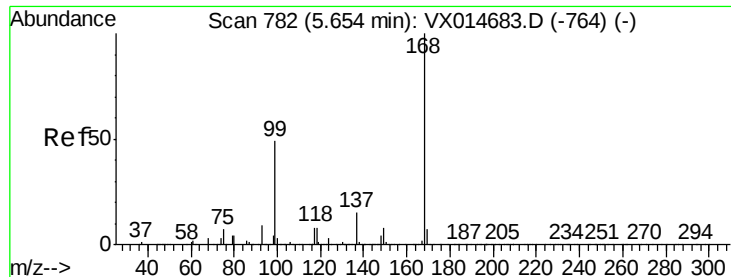
Instrument :
MSVOA_X
ClientSampleId :
40230

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Quant Time: Feb 06 06:35:52 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_X\METHOD\82X012220W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 22 12:35:15 2020
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.65 min Scan# 782

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

40230

Tot Ion:168 Resp: 422259

Ion Ratio Lower Upper

168 100

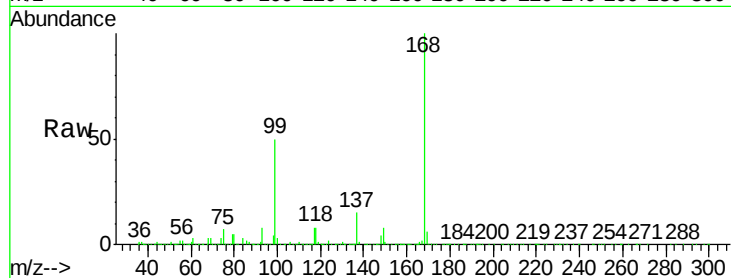
99 50.0 39.8 59.6

Manual Integrations

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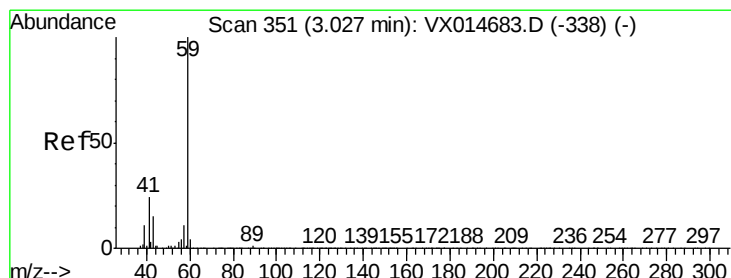
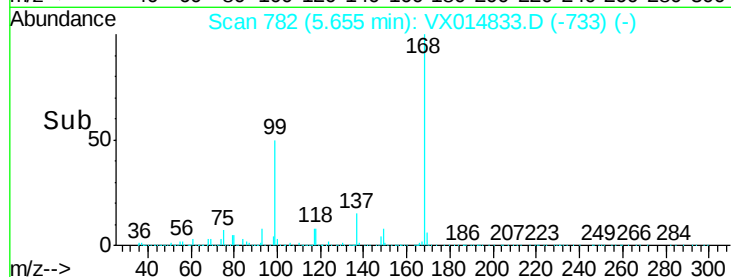
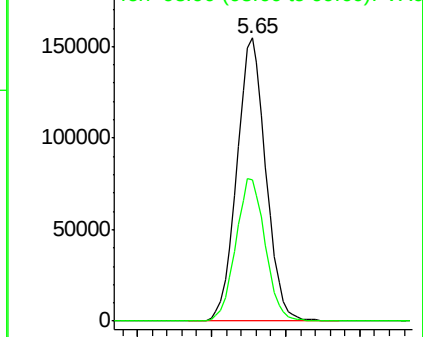
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VX0



#11

Tert butyl alcohol

Concen: 26.443 ug/l

RT: 3.03 min Scan# 351

Delta R.T. 0.00 min

Lab File: VX014833.D

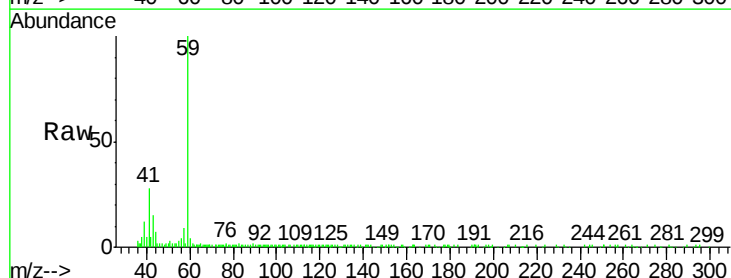
Acq: 05 Feb 2020 19:23

Tgt Ion: 59 Resp: 29274

Ion Ratio Lower Upper

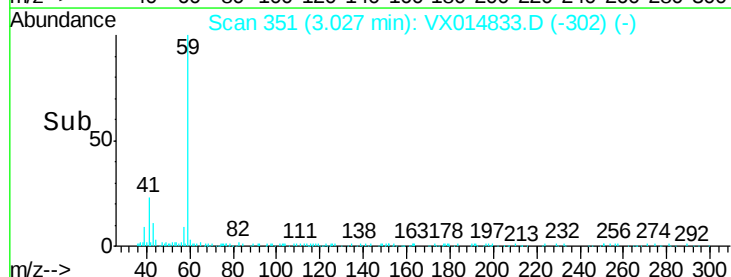
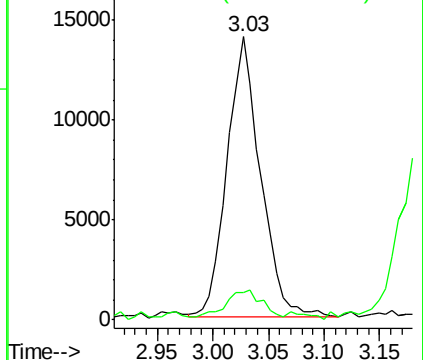
59 100

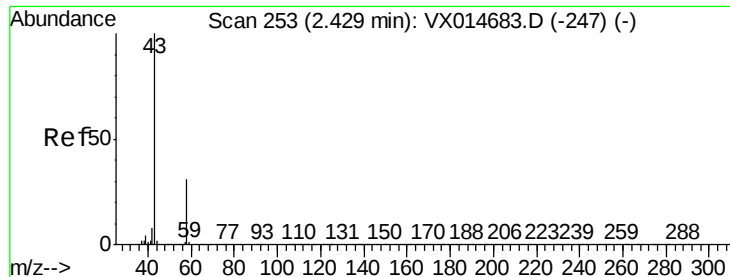
57 10.9 8.3 12.5



Abundance Ion 59.00 (58.70 to 59.70): VX0

Ion 57.00 (56.70 to 57.70): VX0





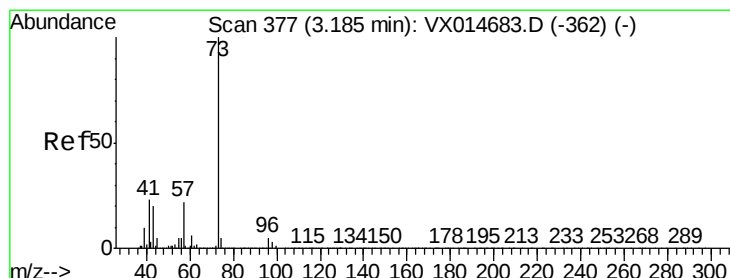
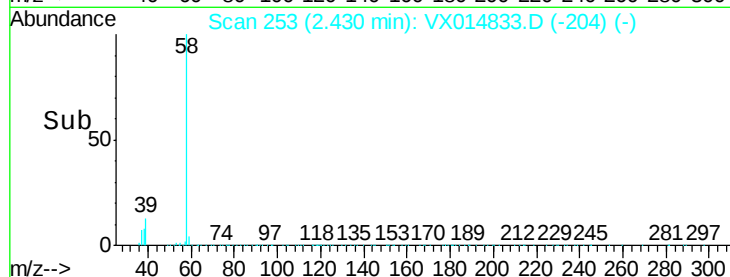
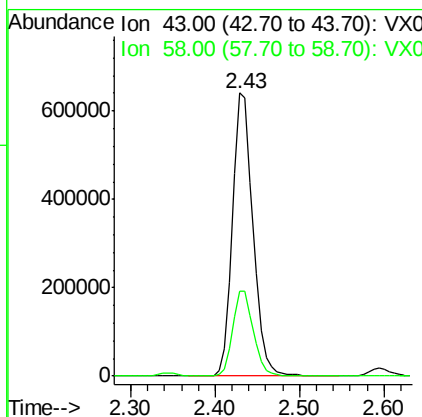
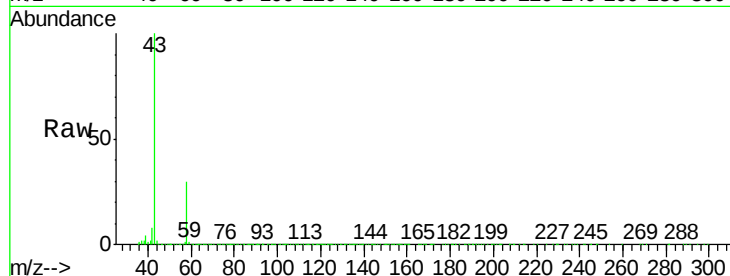
#16
Acetone
Concen: 390.121 ug/l
RT: 2.43 min Scan# 253
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
40230

Tot Ion: 43 Resp: 1054533
Ion Ratio Lower Upper
43 100
58 30.2 24.5 36.7

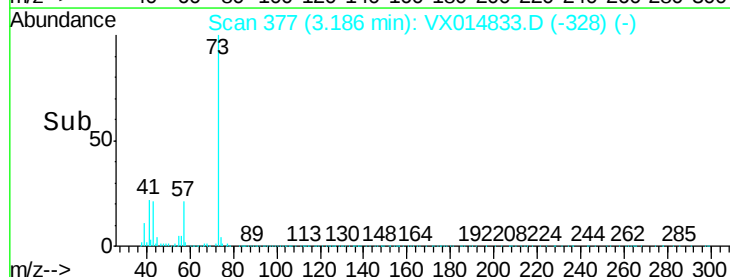
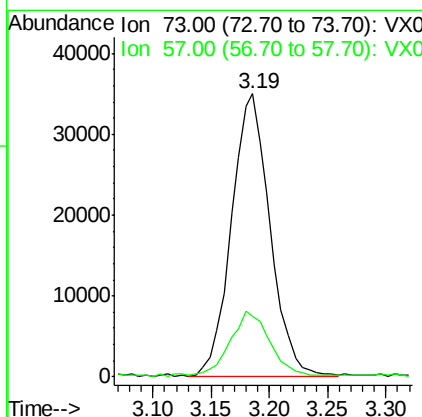
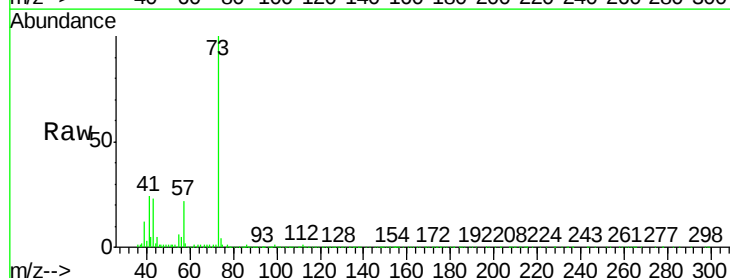
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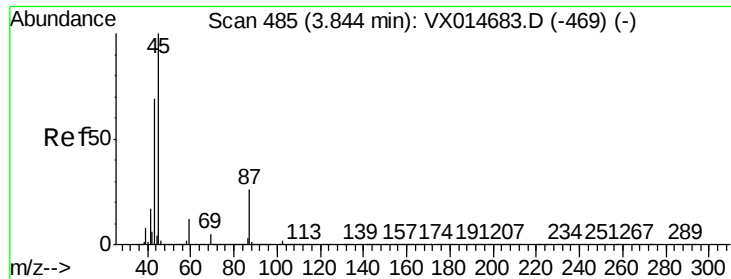
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#19
Methyl tert-butyl Ether
Concen: 5.796 ug/l
RT: 3.19 min Scan# 377
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Tgt Ion: 73 Resp: 79693
Ion Ratio Lower Upper
73 100
57 20.9 18.0 27.0





#22

Diisopropyl ether

Concen: 1.815 ug/l

RT: 3.84 min Scan# 485

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

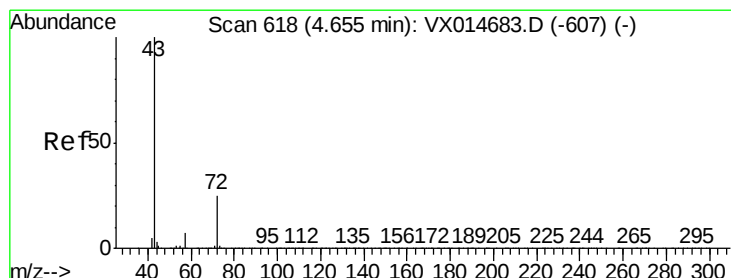
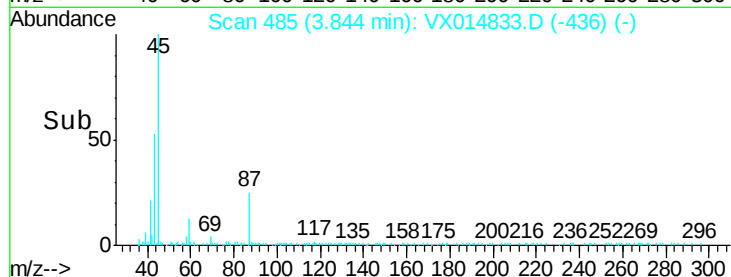
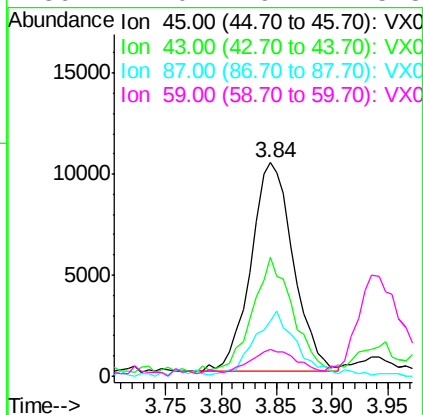
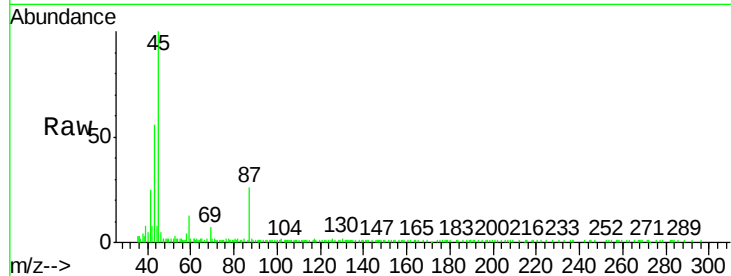
ClientSampleId :

40230

Tot Ion	Ratio	Lower	Upper
45	100		
43	54.6	55.1	82.7#
87	25.4	20.7	31.1
59	11.0	9.2	13.8

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#25

2-Butanone

Concen: 23.956 ug/l

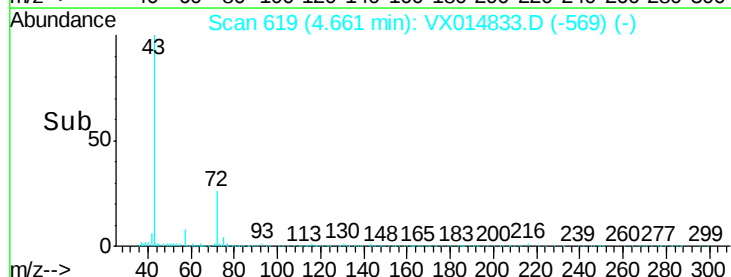
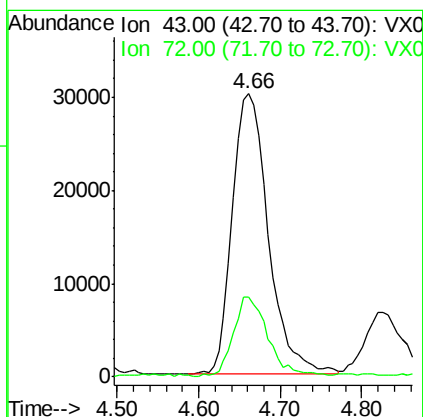
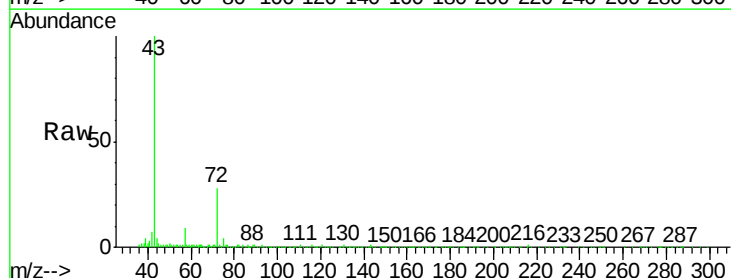
RT: 4.66 min Scan# 619

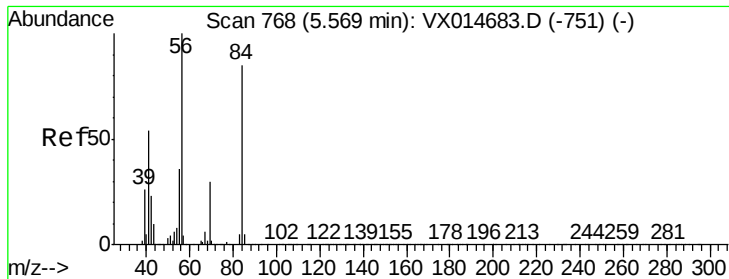
Delta R.T. 0.01 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Tgt Ion	Ratio	Lower	Upper
43	100		
72	27.7	19.9	29.9





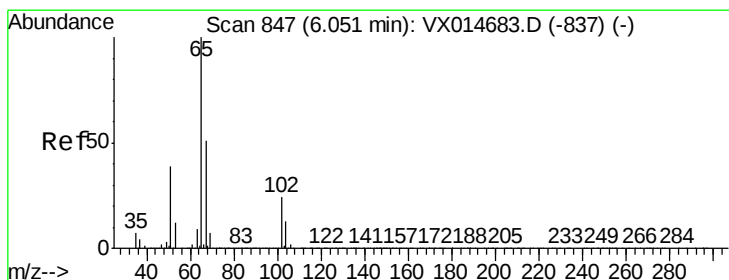
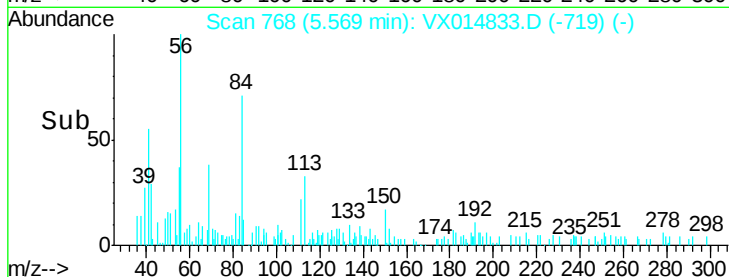
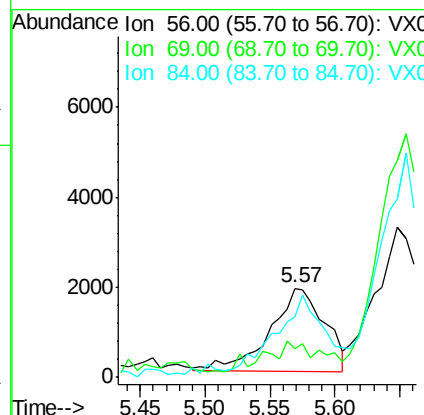
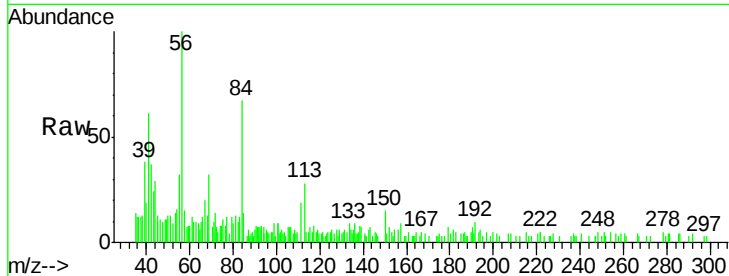
#31
Cyclohexane
Concen: 0.704 ug/l m
RT: 5.57 min Scan# 768
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Instrument :
MSVOA_X
ClientSampled :
40230

Tot Ion	Ratio	Lower	Upper
56	100		
69	32.3	23.4	35.2
84	67.3	68.4	102.6#

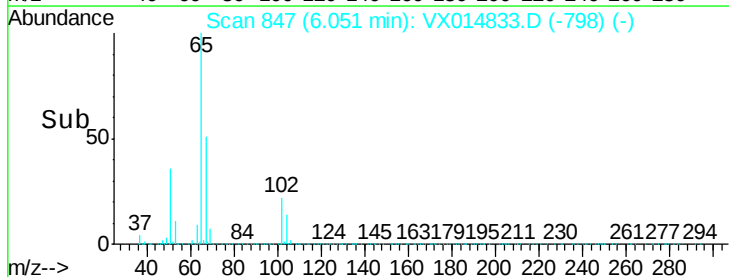
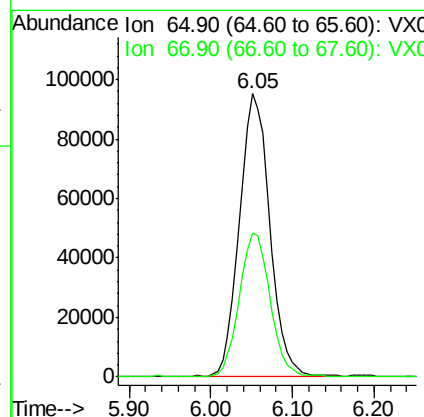
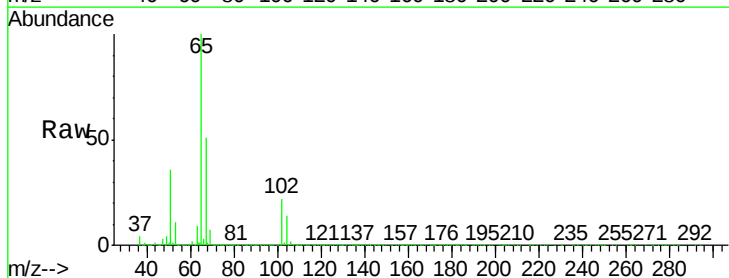
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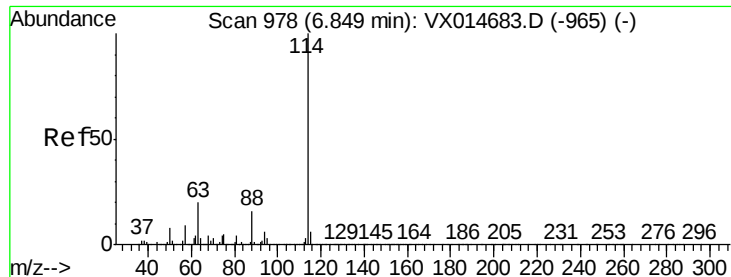
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#33
1,2-Dichloroethane-d4
Concen: 49.615 ug/l
RT: 6.05 min Scan# 847
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Tgt Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	107.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.85 min Scan# 978

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

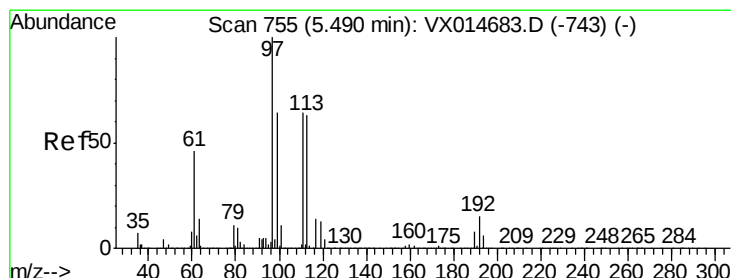
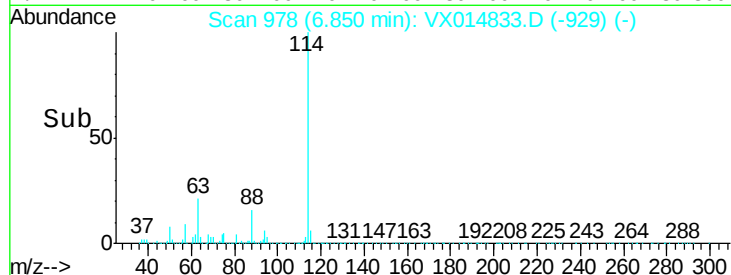
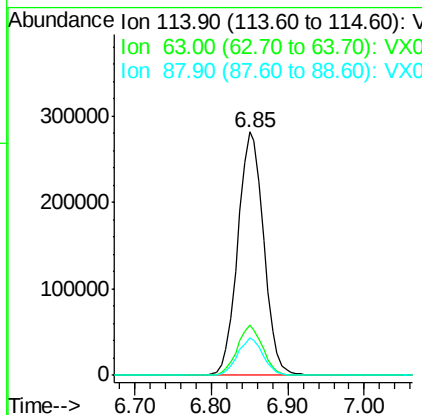
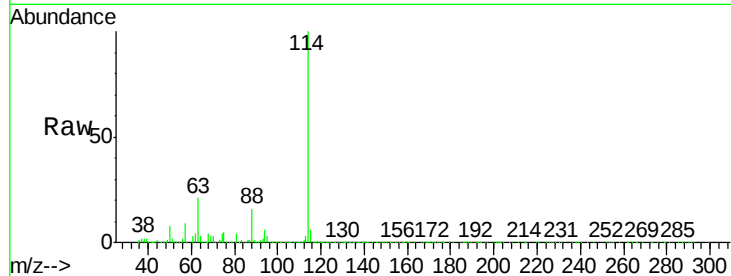
ClientSampled :

40230

Tot Ion:	114	Resp:	660529
Ion Ratio		Lower	Upper
114	100		
63	20.6	0.0	40.6
88	15.5	0.0	31.2

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#35

Dibromofluoromethane

Concen: 47.541 ug/l

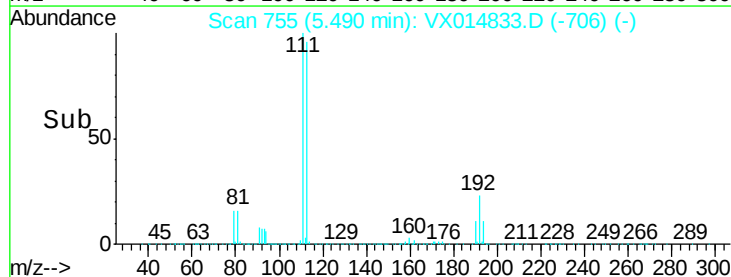
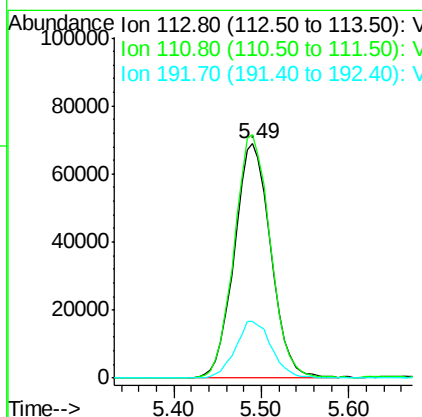
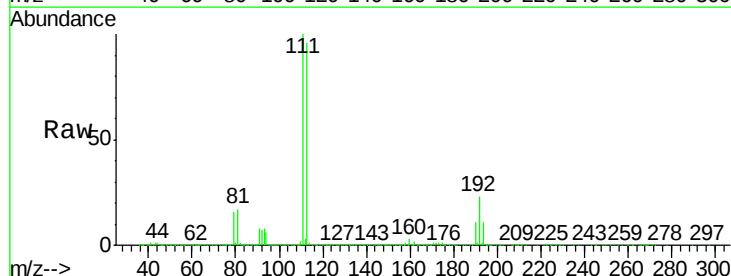
RT: 5.49 min Scan# 755

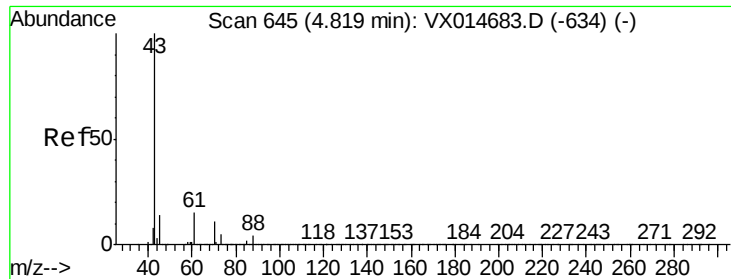
Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Tgt Ion:	113	Resp:	198145
Ion Ratio		Lower	Upper
113	100		
111	103.5	80.7	121.1
192	23.9	18.5	27.7





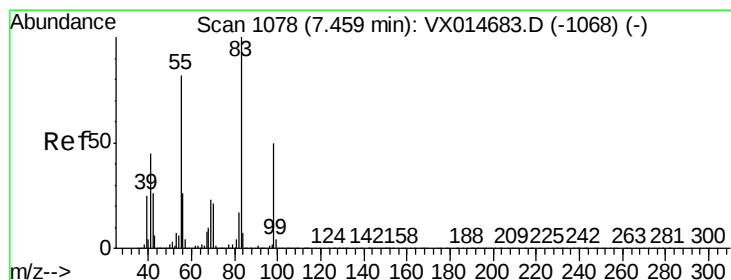
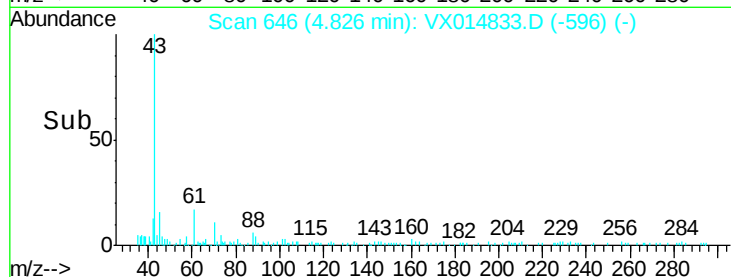
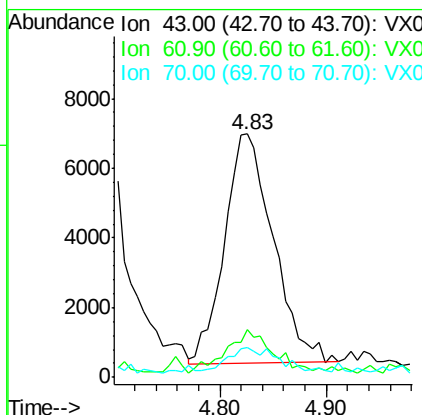
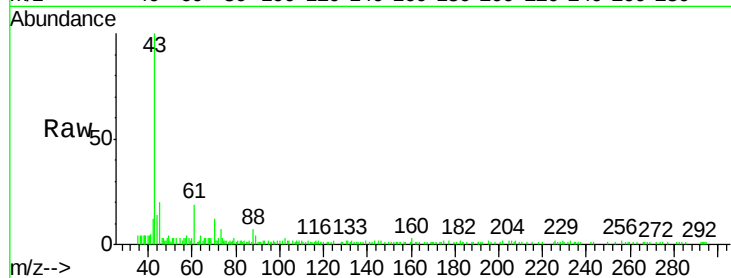
#37
Ethyl Acetate
Concen: 3.005 ug/l
RT: 4.83 min Scan# 646
Delta R.T. 0.01 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
40230

Tot Ion	Ratio	Lower	Upper
43	100		
61	17.7	11.0	16.4#
70	9.7	8.5	12.7

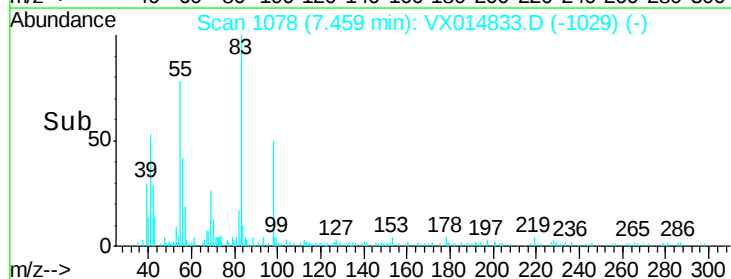
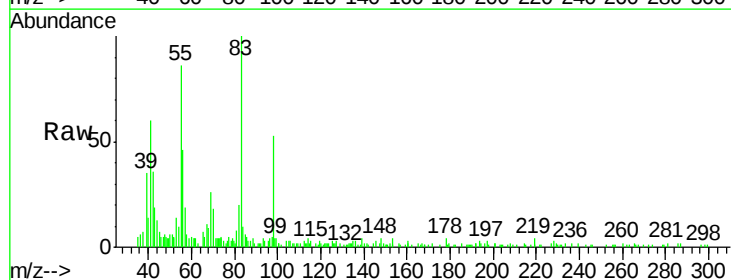
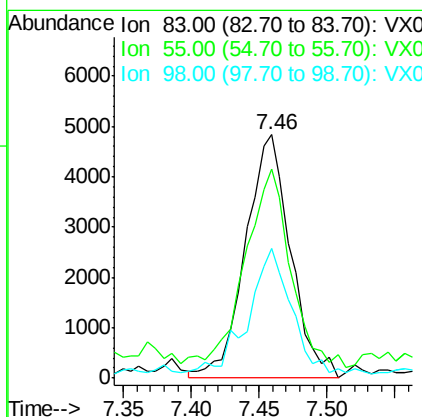
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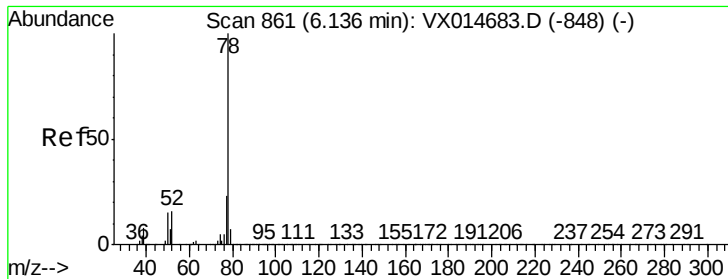
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#39
Methylcyclohexane
Concen: 1.461 ug/l
RT: 7.46 min Scan# 1078
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Tgt Ion	Ratio	Lower	Upper
83	100		
55	79.4	65.6	98.4
98	51.7	40.2	60.4





#40

Benzene

Concen: 24.341 ug/l

RT: 6.14 min Scan# 861

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

40230

Tot Ion: 78 Resp: 461610

Ion Ratio Lower Upper

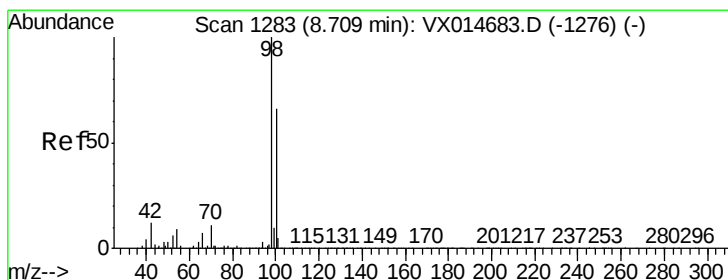
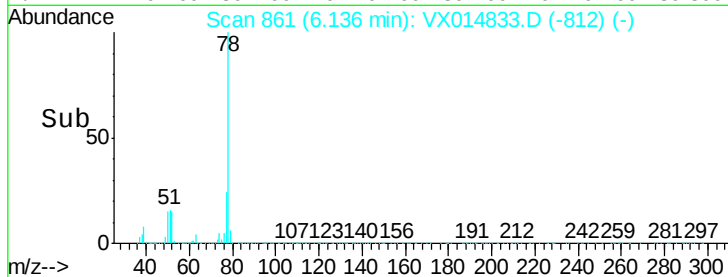
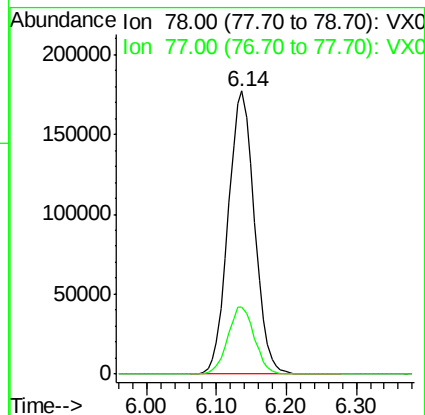
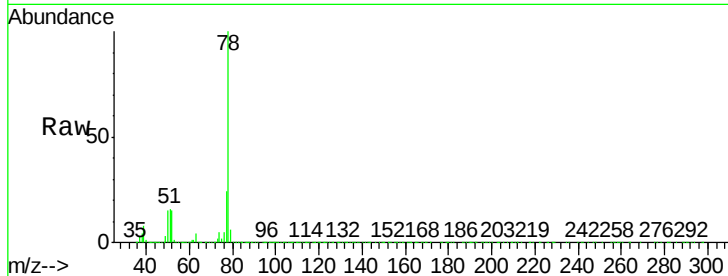
78 100

77 23.6 18.7 28.1

Manual Integrations
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#50

Toluene-d8

Concen: 49.709 ug/l

RT: 8.71 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VX014833.D

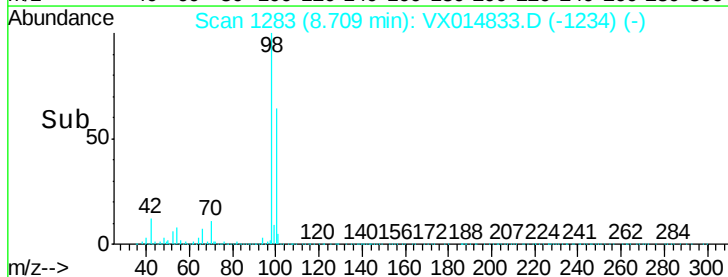
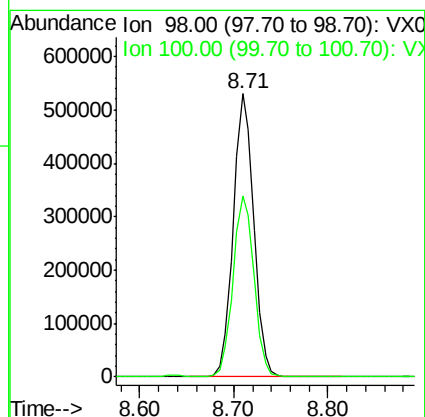
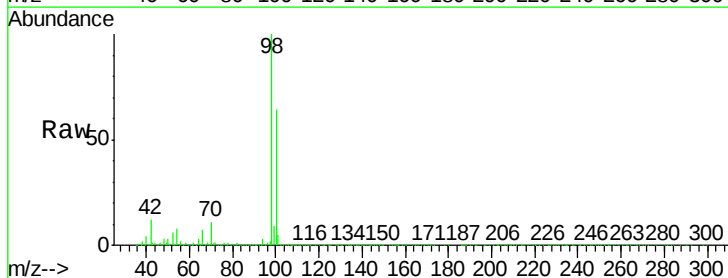
Acq: 05 Feb 2020 19:23

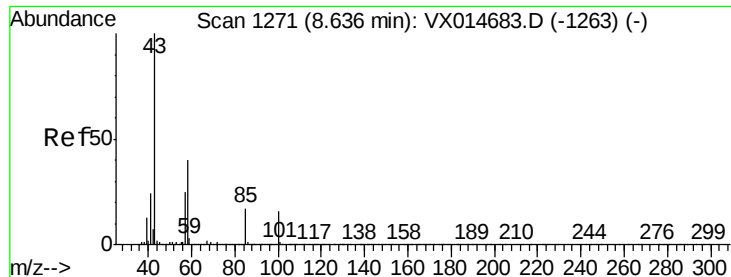
Tgt Ion: 98 Resp: 796489

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.6





#51

4-Methyl-2-Pentanone

Concen: 4.657 ug/l

RT: 8.64 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

40230

Tot Ion: 43 Resp: 33835

Ion Ratio Lower Upper

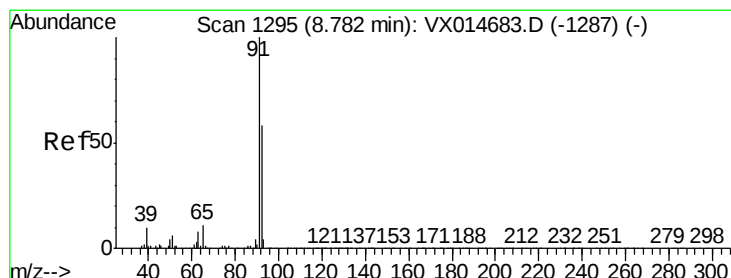
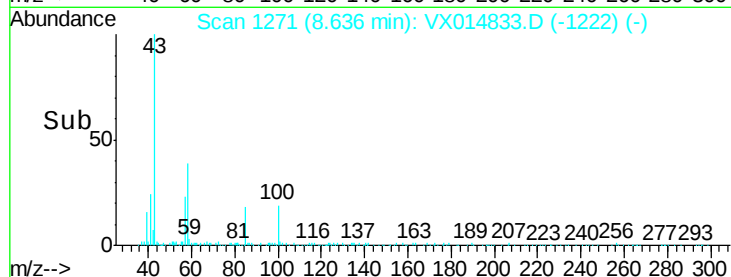
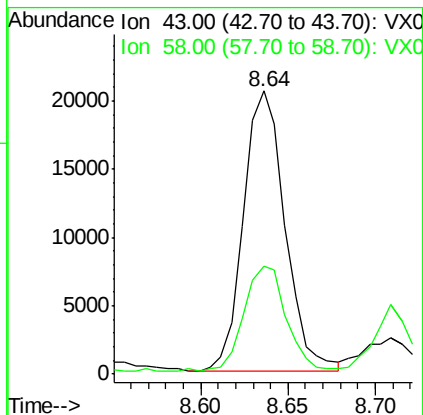
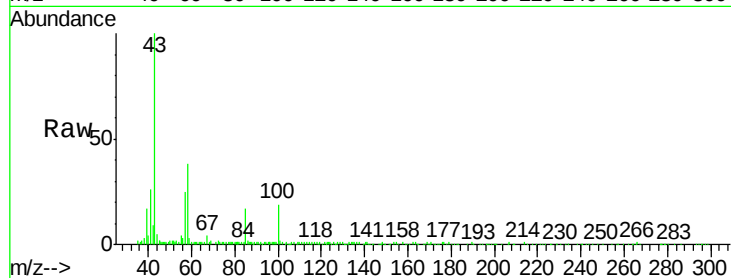
43 100

58 39.1 31.6 47.4

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#52

Toluene

Concen: 197.528 ug/l

RT: 8.78 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VX014833.D

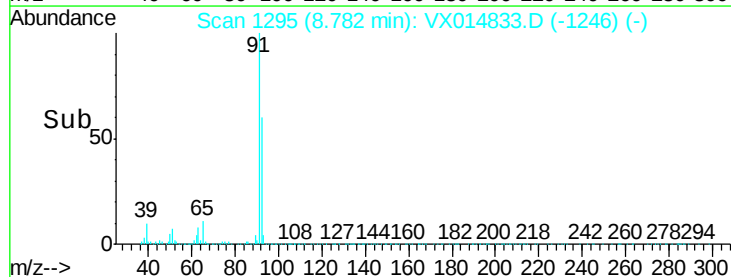
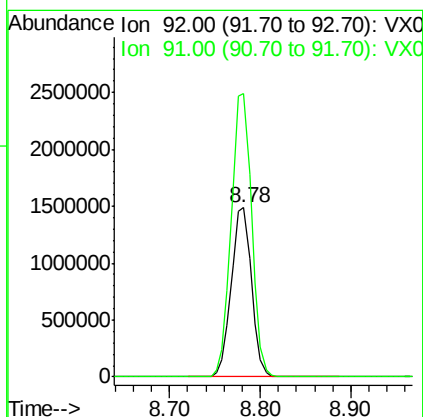
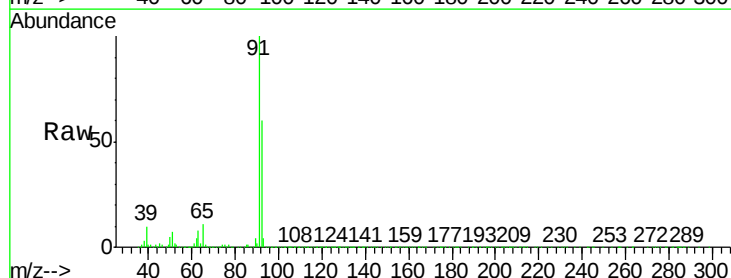
Acq: 05 Feb 2020 19:23

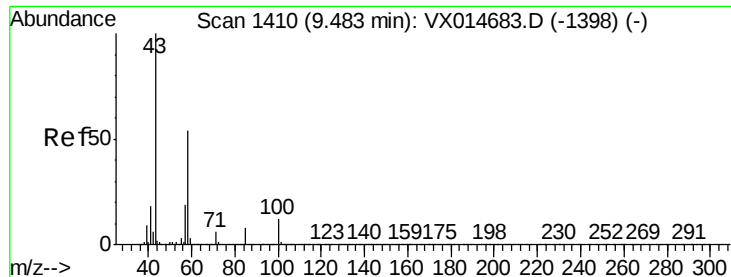
Tgt Ion: 92 Resp: 2302635

Ion Ratio Lower Upper

92 100

91 169.6 135.9 203.9





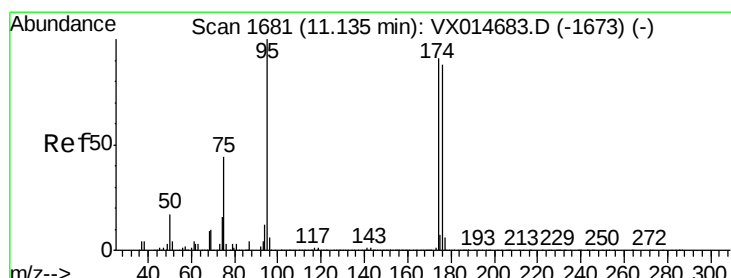
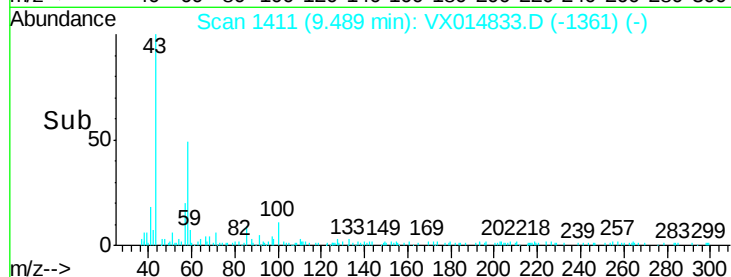
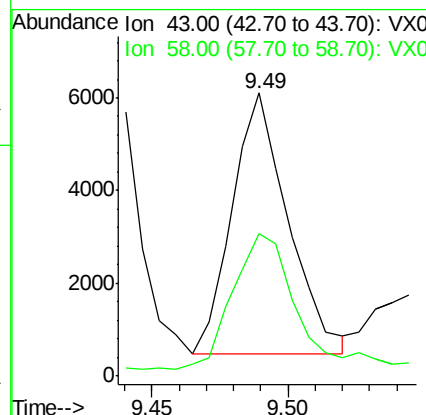
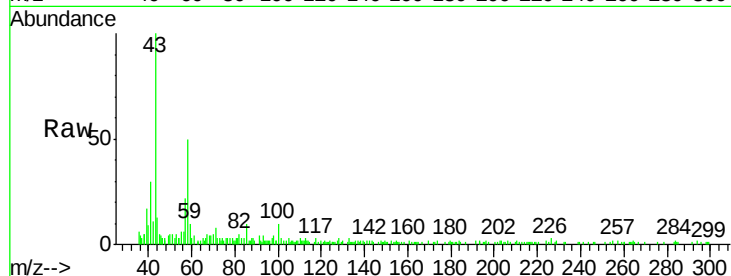
#59
2-Hexanone
Concen: 1.429 ug/l
RT: 9.49 min Scan# 1411
Delta R.T. 0.01 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Instrument :
MSVOA_X
ClientSampleId :
40230

Tot Ion: 43 Resp: 8057
Ion Ratio Lower Upper
43 100
58 59.7 27.2 81.5

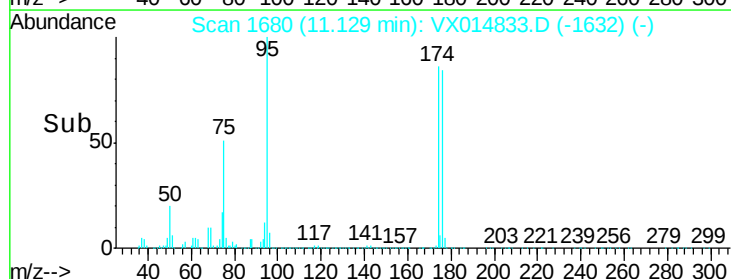
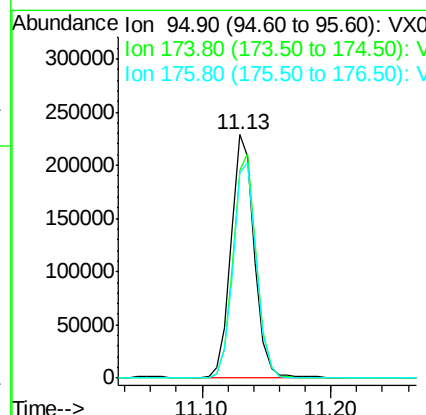
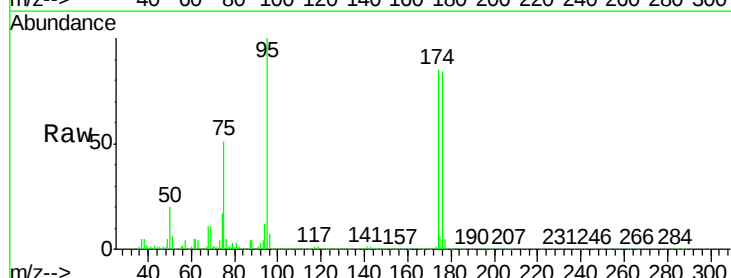
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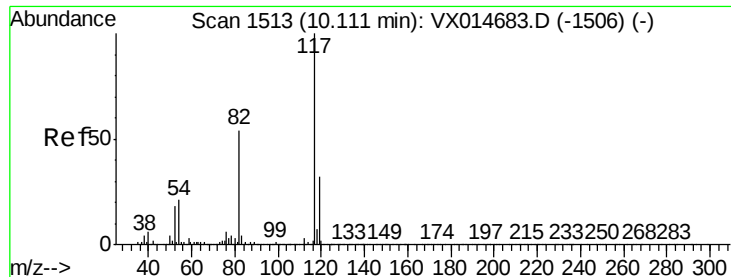
MMDadoda
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#62
4-Bromofluorobenzene
Concen: 51.102 ug/l
RT: 11.13 min Scan# 1680
Delta R.T. -0.01 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Tgt Ion: 95 Resp: 291677
Ion Ratio Lower Upper
95 100
174 91.4 0.0 176.0
176 87.6 0.0 172.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.11 min Scan# 1512

Delta R.T. -0.01 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

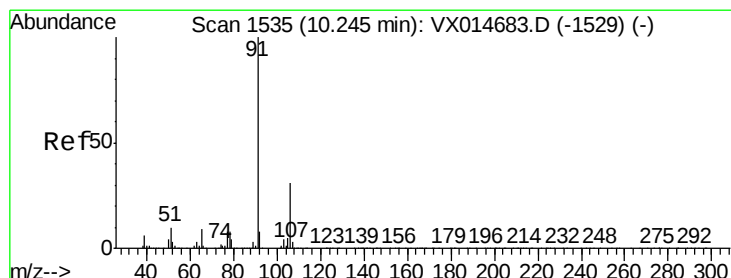
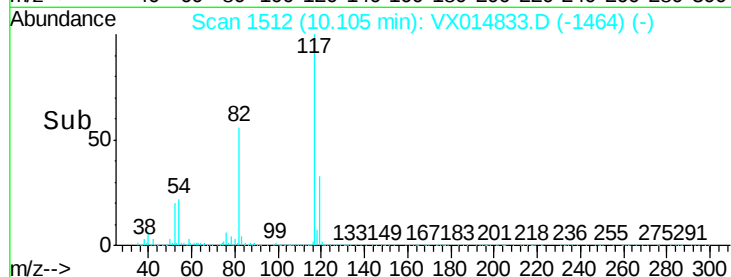
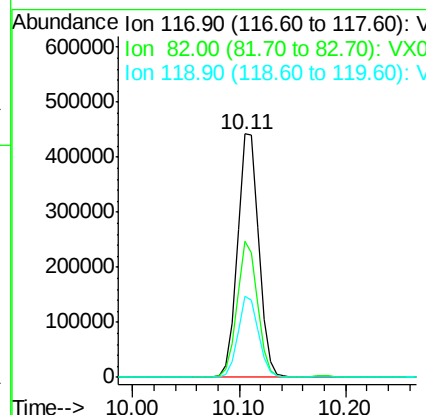
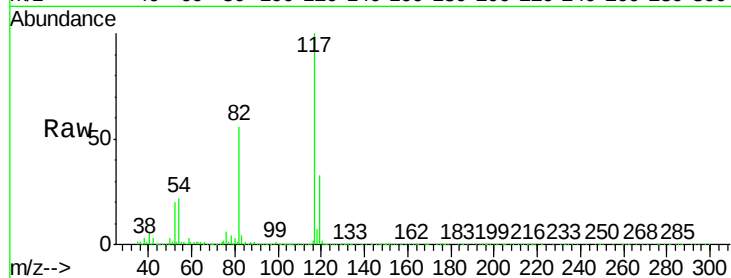
ClientSampled :

40230

Tot Ion:	117	Resp:	619684
Ion Ratio	Lower	Upper	
117	100		
82	56.1	43.2	64.8
119	33.1	25.8	38.6

Manual Integrations
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#67

Ethyl Benzene

Concen: 72.304 ug/l

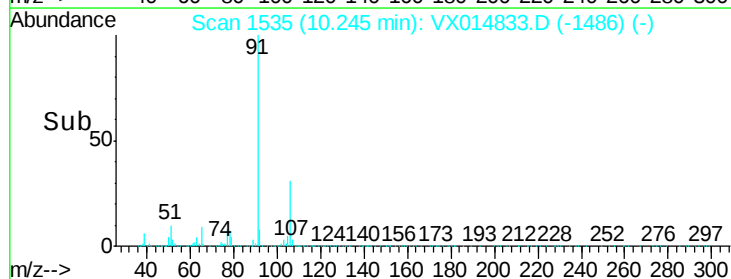
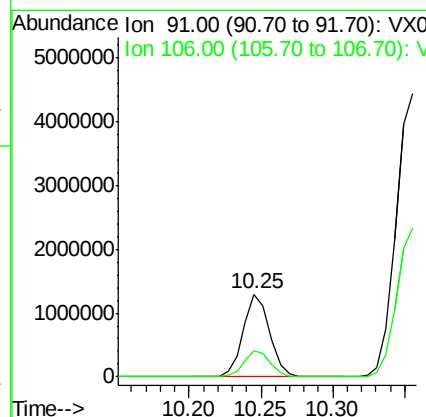
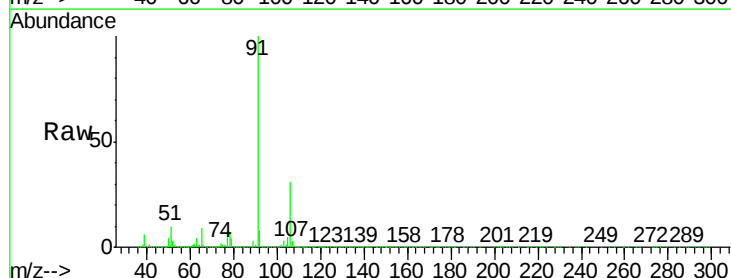
RT: 10.25 min Scan# 1535

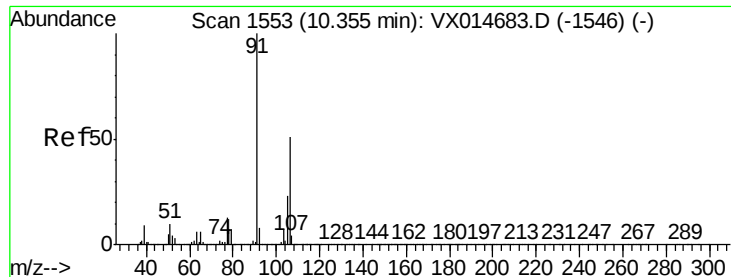
Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Tgt Ion:	91	Resp:	1636396
Ion Ratio	Lower	Upper	
91	100		
106	30.9	24.9	37.3





#68

m/p-Xvlenes

Concen: 347.822 ug/l

RT: 10.36 min Scan# 1553

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

ClientSampled :

40230

Tot Ion:106 Resp: 2982276

Ion Ratio Lower Upper

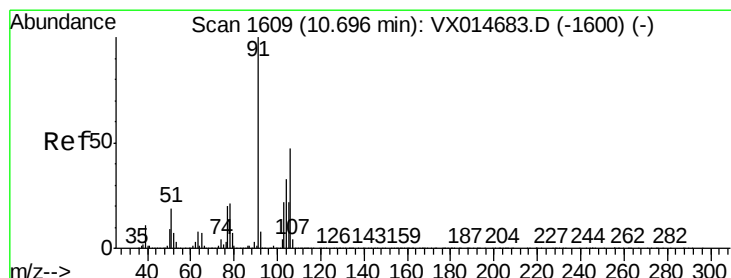
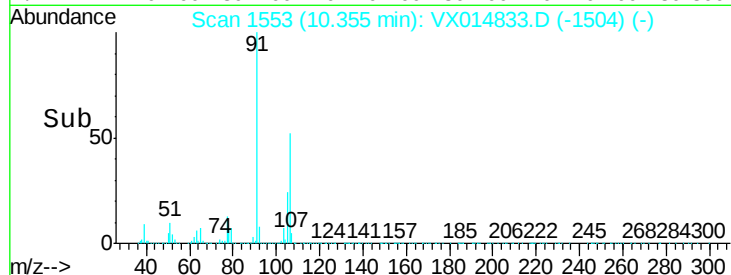
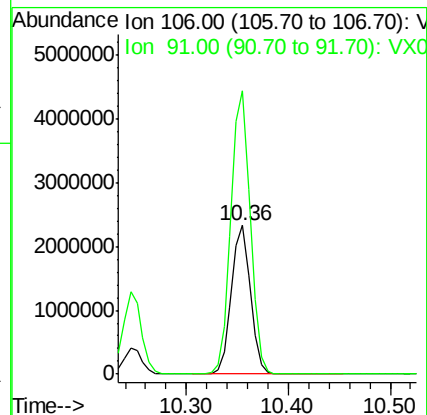
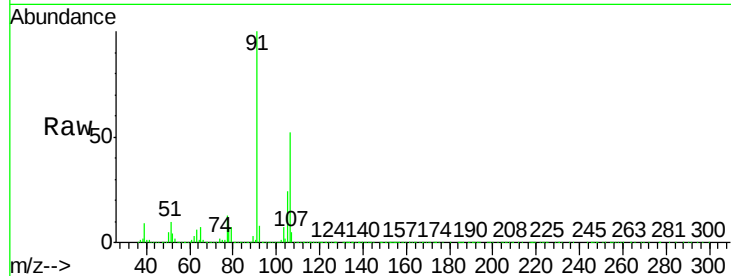
106 100

91 194.7 159.4 239.2

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#69

o-Xylene

Concen: 239.795 ug/l

RT: 10.70 min Scan# 1609

Delta R.T. 0.00 min

Lab File: VX014833.D

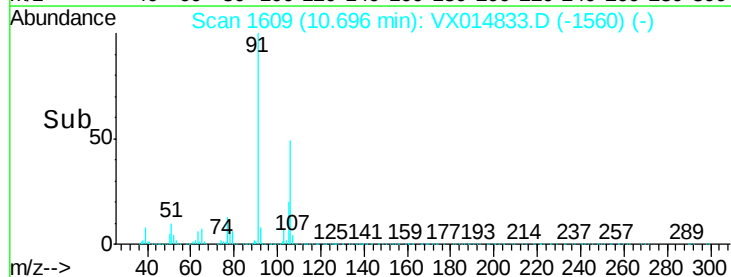
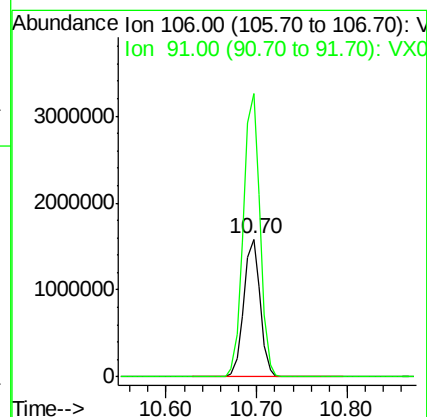
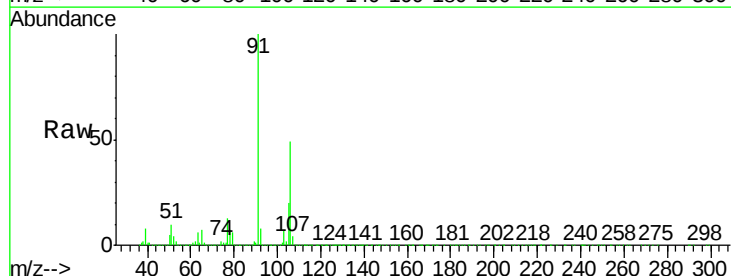
Acq: 05 Feb 2020 19:23

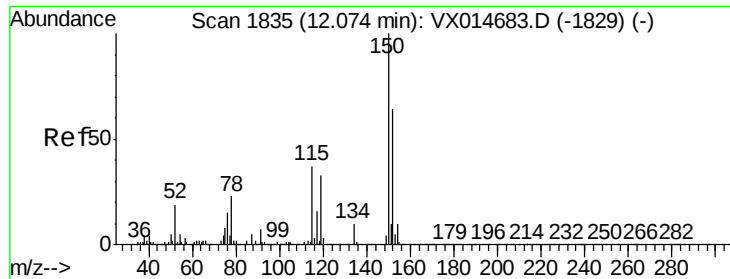
Tgt Ion:106 Resp: 1984895

Ion Ratio Lower Upper

106 100

91 208.1 106.2 318.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.07 min Scan# 1835

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

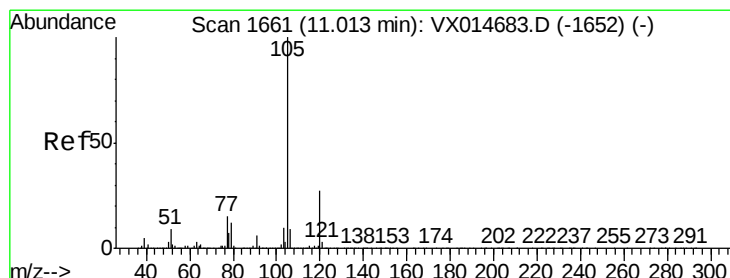
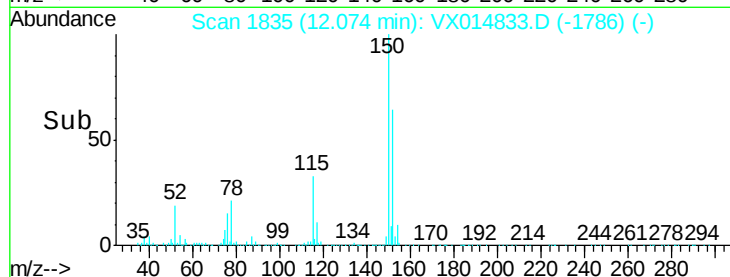
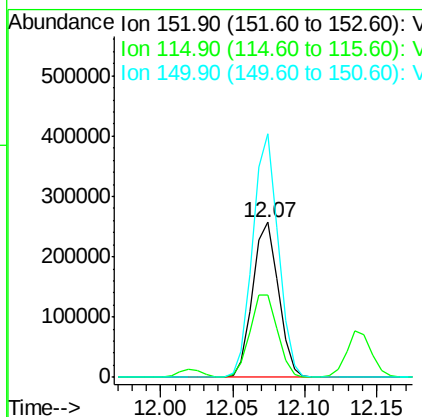
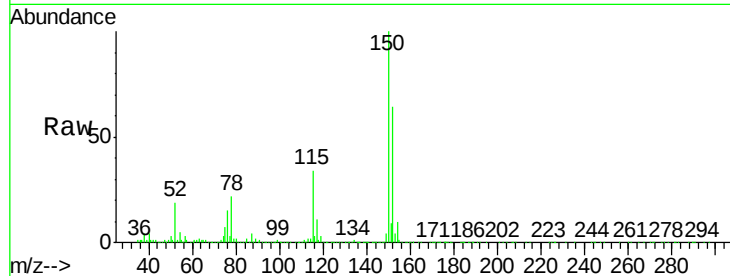
ClientSampled :

40230

Tot Ion:	152	Resp:	317388
Ion Ratio	Lower	Upper	
152	100		
115	56.0	39.4	118.1
150	154.7	0.0	351.2

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#73

Isopropylbenzene

Concen: 9.979 ug/l

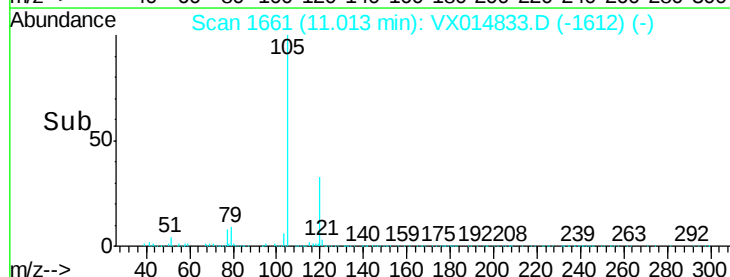
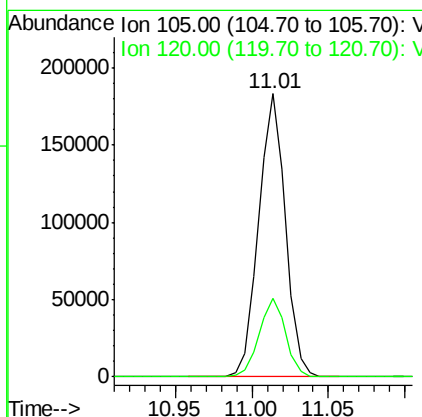
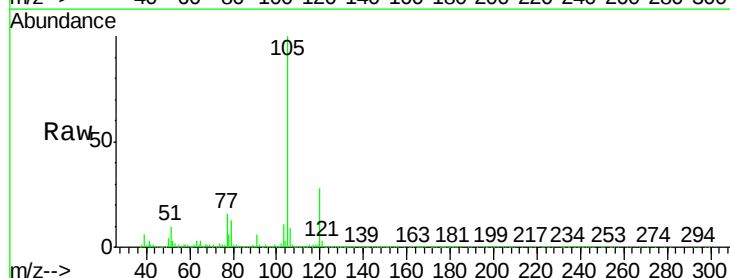
RT: 11.01 min Scan# 1661

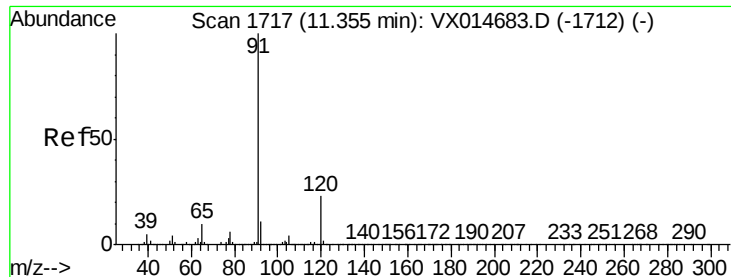
Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Tgt Ion:	105	Resp:	222695
Ion Ratio	Lower	Upper	
105	100		
120	27.4	13.5	40.5





#78

n-propylbenzene

Concen: 25.392 ug/l

RT: 11.35 min Scan# 1717

Delta R.T. 0.00 min

Lab File: VX014833.D

Acq: 05 Feb 2020 19:23

Instrument :

MSVOA_X

ClientSampleId :

40230

Tot Ion: 91 Resp: 643230

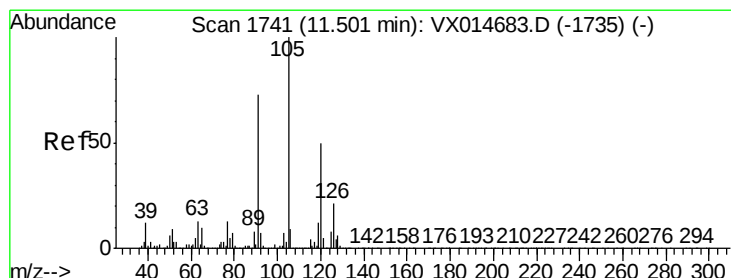
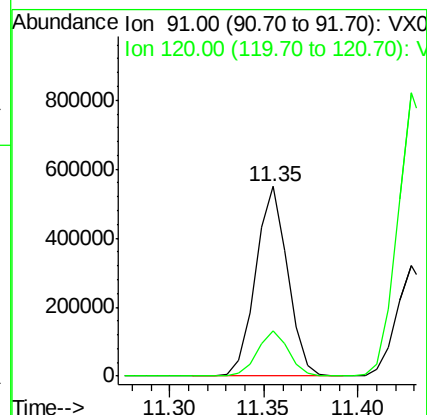
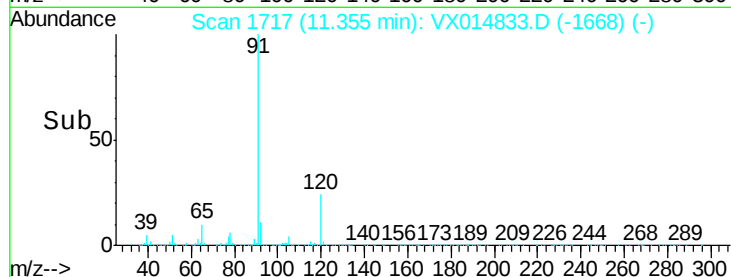
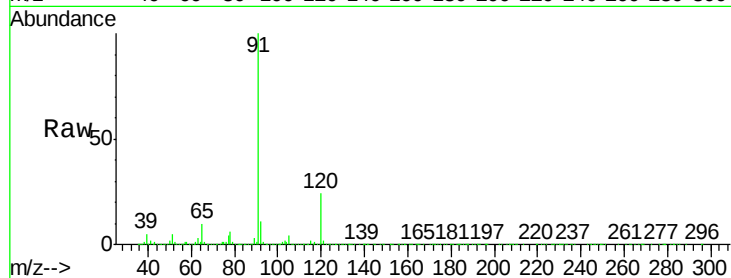
Ion Ratio Lower Upper

91 100

120 23.4 11.7 35.0

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#80

1,3,5-Trimethylbenzene

Concen: 66.497 ug/l

RT: 11.50 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VX014833.D

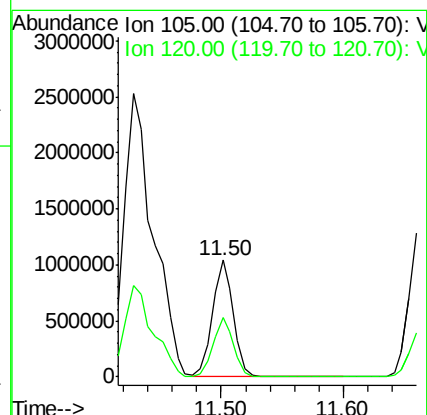
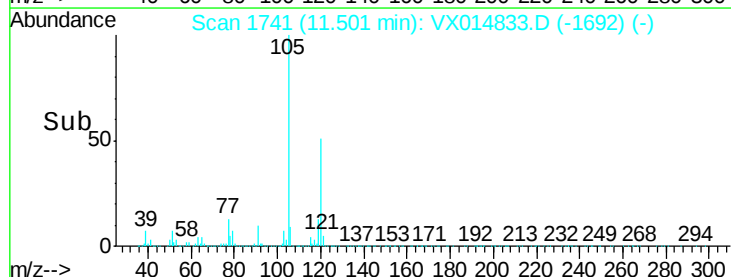
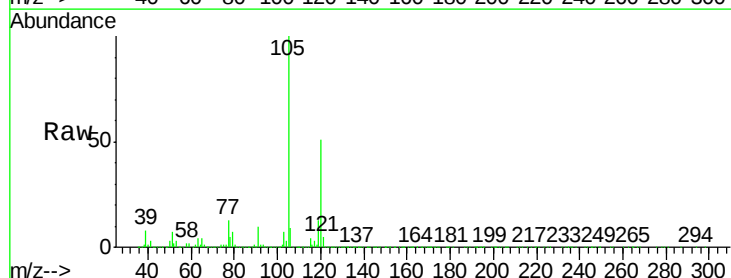
Acq: 05 Feb 2020 19:23

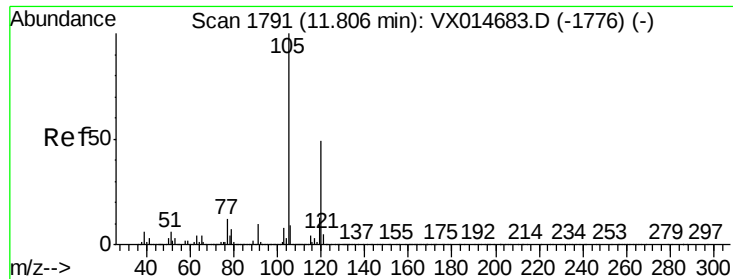
Tgt Ion: 105 Resp: 1231663

Ion Ratio Lower Upper

105 100

120 50.2 24.9 74.6





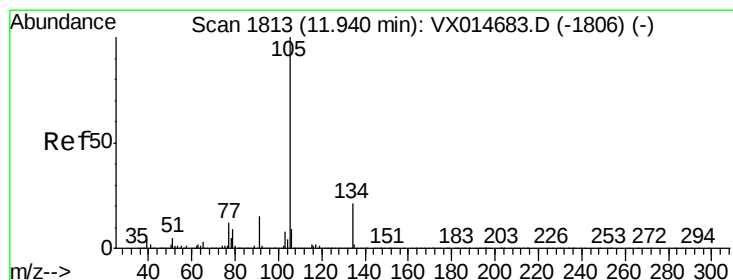
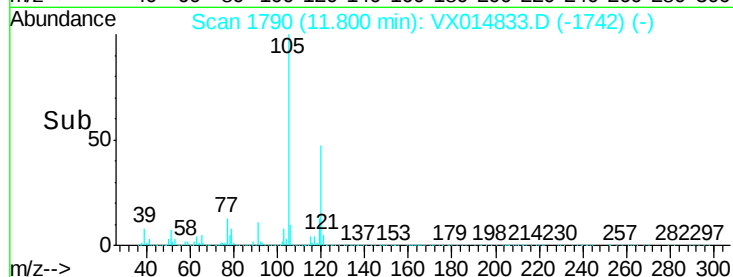
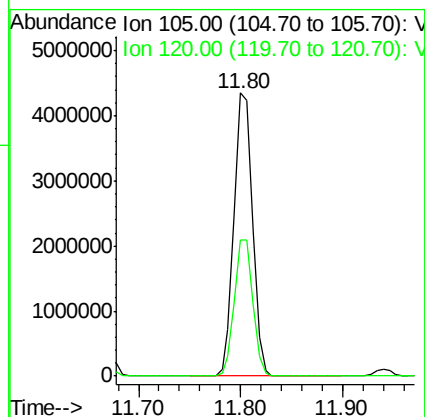
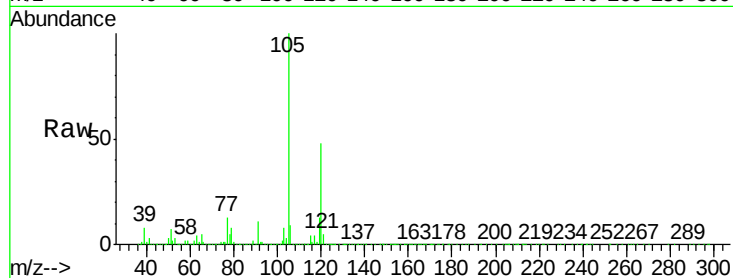
#84
1,2,4-Trimethylbenzene
Concen: 291.148 ug/l
RT: 11.80 min Scan# 1790
Delta R.T. -0.01 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Instrument :
MSVOA_X
ClientSampled :
40230

Tot Ion:105 Resp: 5409044
Ion Ratio Lower Upper
105 100
120 48.0 23.4 70.0

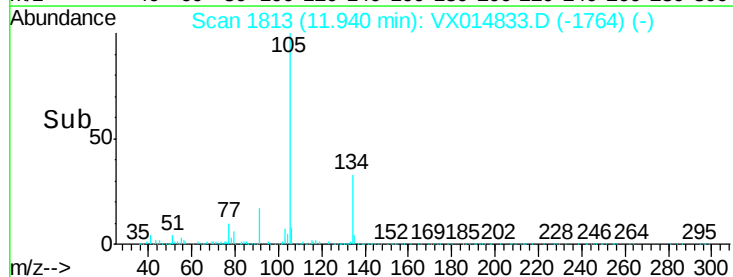
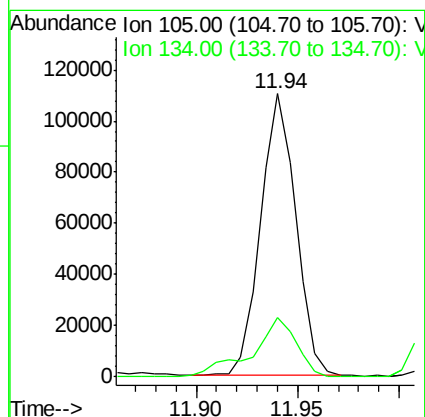
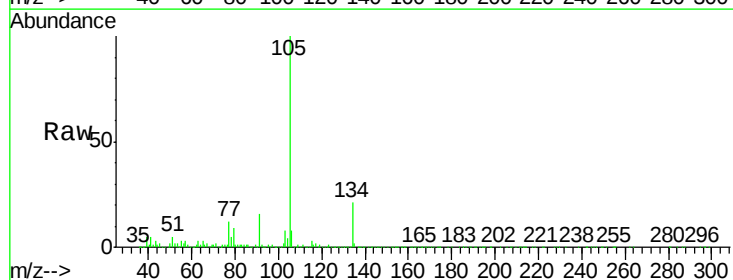
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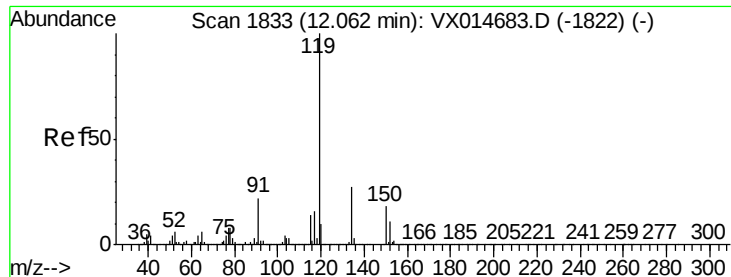
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#85
sec-Butylbenzene
Concen: 6.212 ug/l m
RT: 11.94 min Scan# 1813
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Tgt Ion:105 Resp: 132457
Ion Ratio Lower Upper
105 100
134 0.0 10.3 30.8#





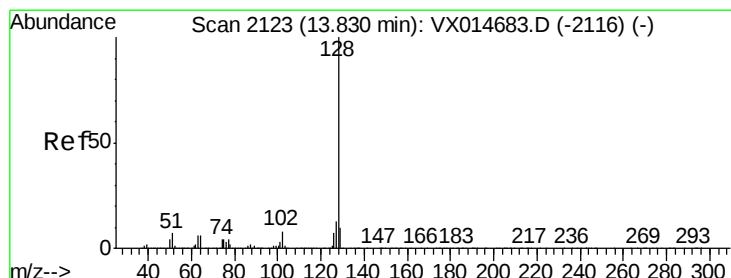
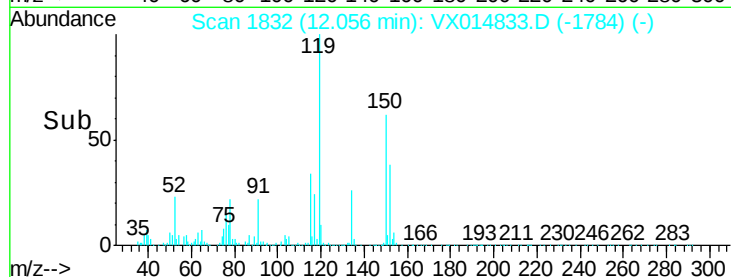
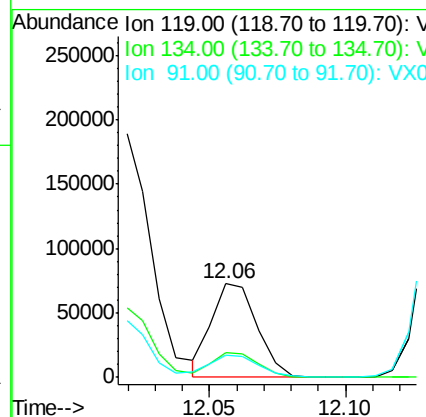
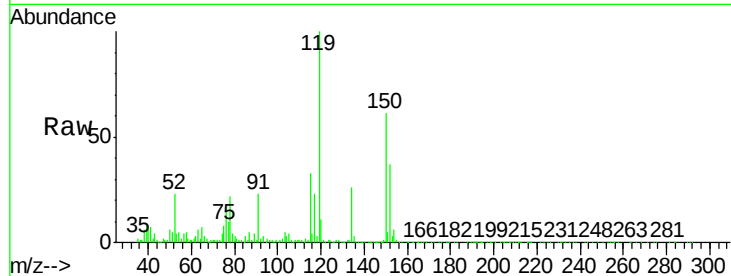
#86
p-Isopropyltoluene
Concen: 4.256 ug/l
RT: 12.06 min Scan# 1832
Delta R.T. -0.01 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Instrument :
MSVOA_X
ClientSampled :
40230

Tot Ion	Ratio	Lower	Upper
119	100		
134	27.0	13.5	40.4
91	24.6	11.3	33.8

Manual Integrations
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#95
Naphthalene
Concen: 98.408 ug/l
RT: 13.83 min Scan# 2123
Delta R.T. 0.00 min
Lab File: VX014833.D
Acq: 05 Feb 2020 19:23

Tgt Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.3	15.5
129	11.2	8.6	12.8

