

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035073.D
 Acq On : 20 May 2020 9:50
 Operator : SY/AP
 Sample : L2712-03 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Manual Integrations
 APPROVED

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 5/20/2020 4:28:42 PM

Quant Time: May 20 14:12:14 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1158269	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2635556	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2527562	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	2150761	10.51	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	33447	0.583	ppbv	92
10) Heptane	8.11	43	26819m	0.187	ppbv	
13) Ethanol	3.56	45	20704m	1.093	ppbv	
15) Acetone	3.80	43	5501262	35.926	ppbv	91
17) tert-Butyl alcohol	4.26	59	290482	2.132	ppbv	100
19) Isopropyl Alcohol	3.93	45	83835	0.821	ppbv #	94
20) Methylene Chloride	4.31	84	24992	0.493	ppbv #	93
26) Hexane	5.66	57	38428	0.345	ppbv #	23
34) 2-Butanone	5.21	43	573727	3.502	ppbv	99
51) 2-Hexanone	10.14	43	119773	0.656	ppbv #	95
53) Toluene	9.80	91	115621	0.502	ppbv	95
58) Ethyl Benzene	12.72	91	53663m	0.172	ppbv	
59) m/p-Xylene	12.97	91	180149m	0.655	ppbv	
60) o-Xylene	13.70	91	70676m	0.260	ppbv	
74) 1,2,4-Trimethylbenzene	16.78	105	89799	0.279	ppbv #	64

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

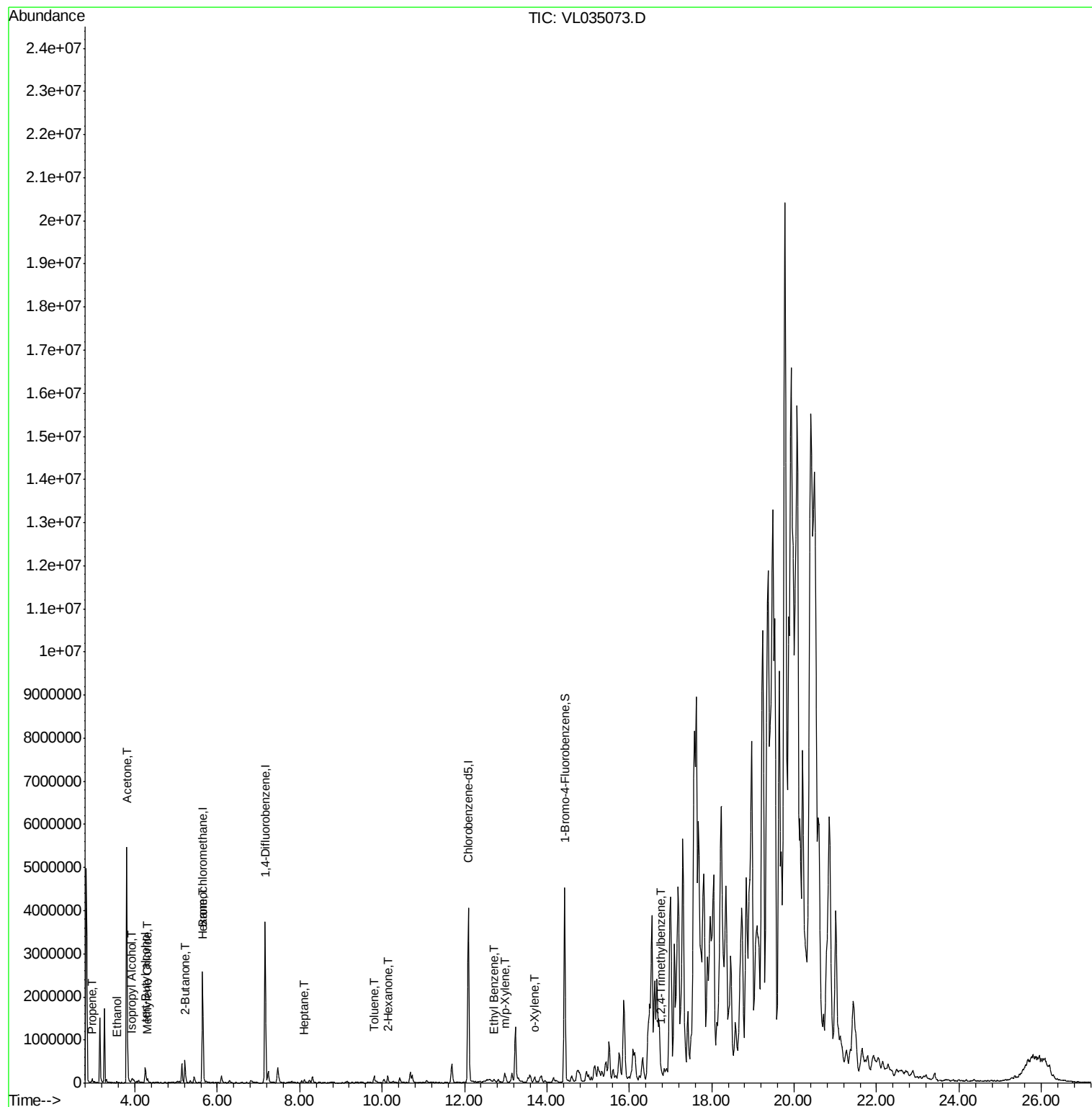
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035073.D
Acq On : 20 May 2020 9:50
Operator : SY/AP
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Misc : 400ml/MSVOA L
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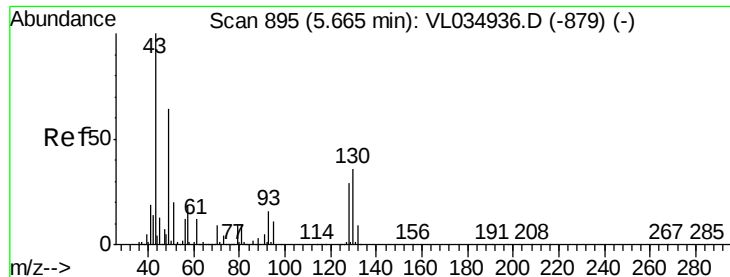
Instrument :
MSVOA_L
ClientSampleId :
SV3

Manual Integrations
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Quant Time: May 20 14:12:14 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

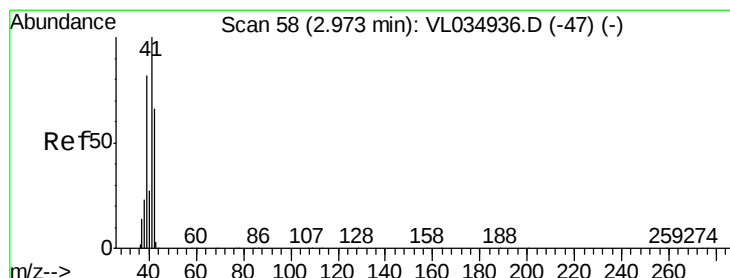
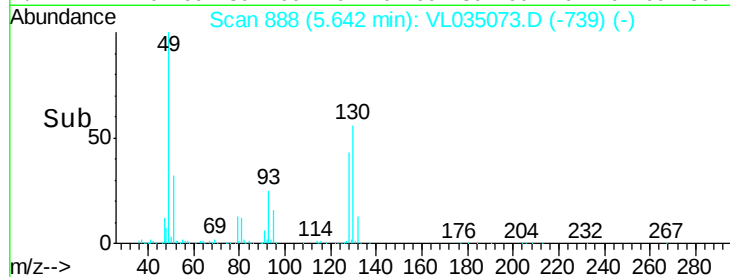
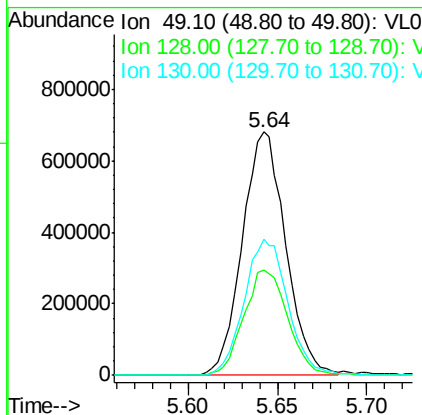
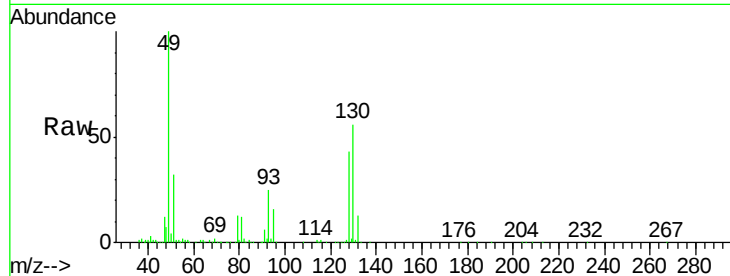
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

Instrument :
 MSVOA_L
 ClientSampled :
 SV3

Tot Ion: 49 Resp: 1158269
 Ion Ratio Lower Upper
 49 100
 128 44.4 22.1 66.5
 130 57.1 29.1 87.3

Manual Integrations
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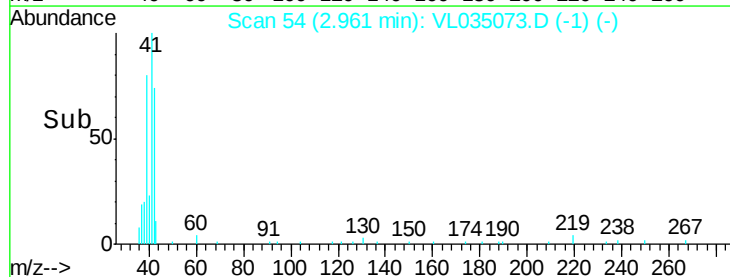
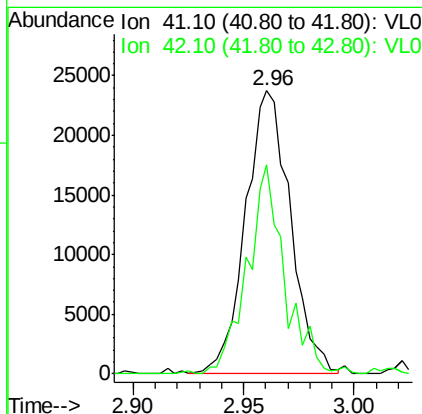
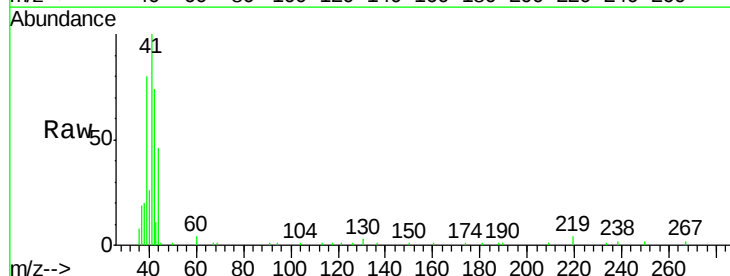
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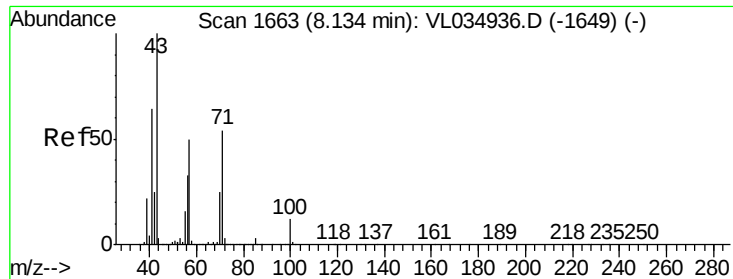


#9

Propene
 Concen: 0.583 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.01 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

Tgt Ion: 41 Resp: 33447
 Ion Ratio Lower Upper
 41 100
 42 62.0 54.5 81.7





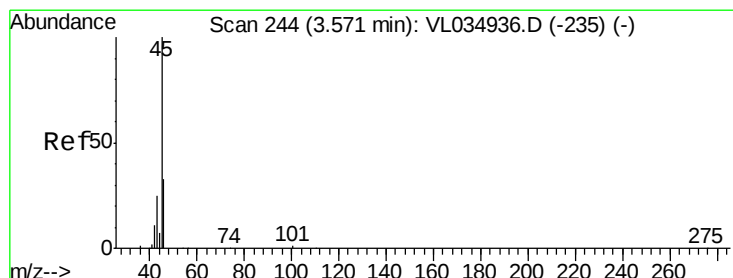
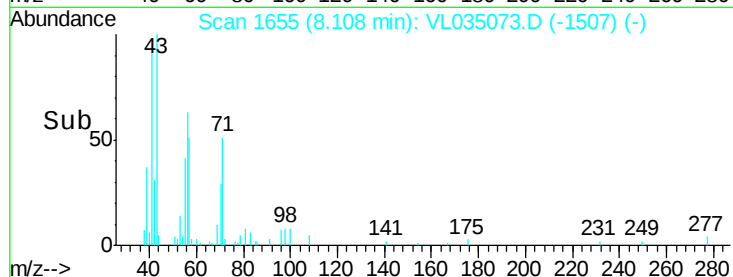
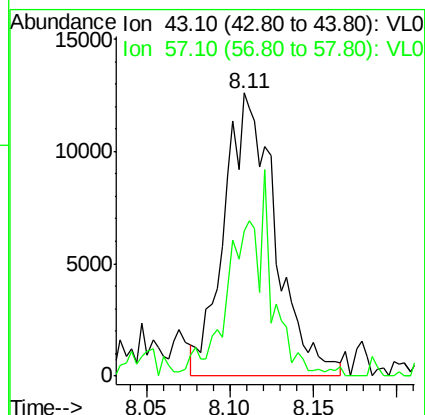
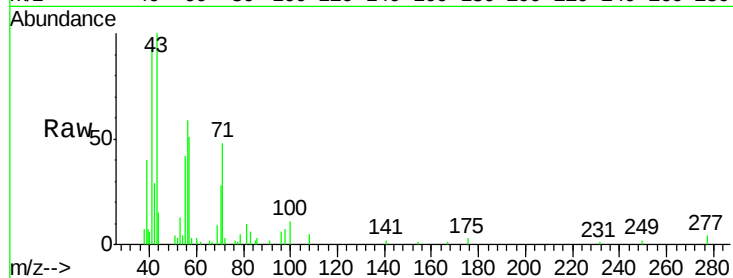
#10
Heptane
Concen: 0.187 ppbv m
RT: 8.11 min Scan# 1655
Delta R.T. -0.03 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 43 Resp: 26819
Ion Ratio Lower Upper
43 100
57 0.0 41.1 61.7#

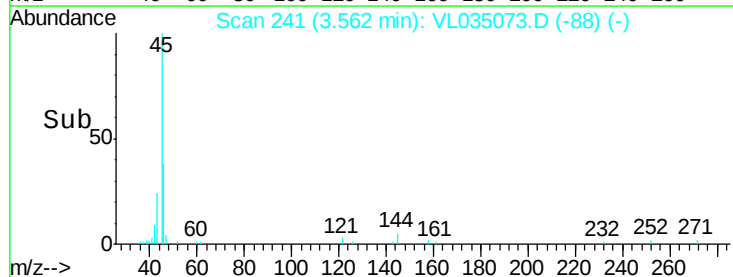
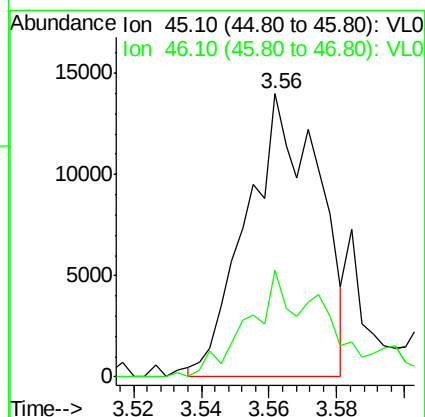
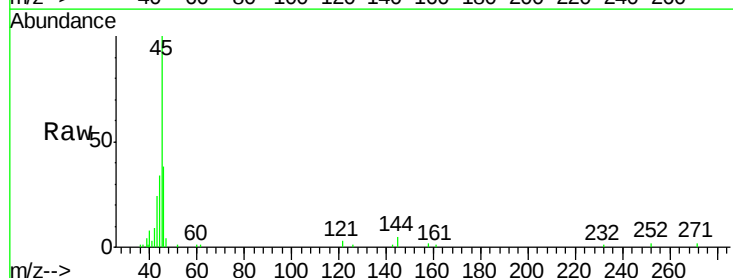
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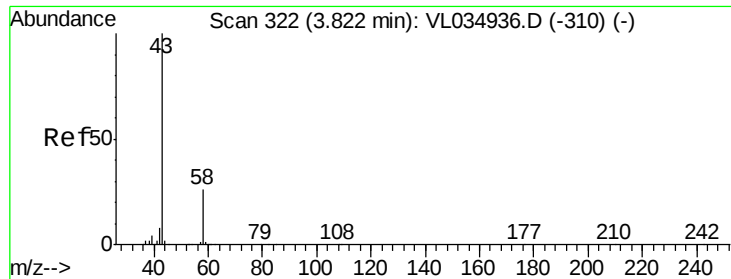
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#13
Ethanol
Concen: 1.093 ppbv m
RT: 3.56 min Scan# 241
Delta R.T. -0.01 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 45 Resp: 20704
Ion Ratio Lower Upper
45 100
46 43.7 14.3 57.3





#15

Acetone

Concen: 35.926 ppbv

RT: 3.80 min Scan# 315

Delta R.T. -0.02 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 43 Resp: 5501262

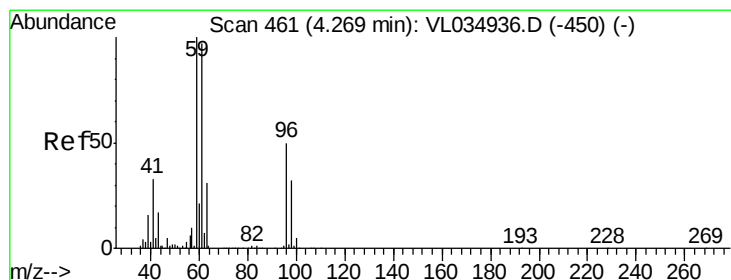
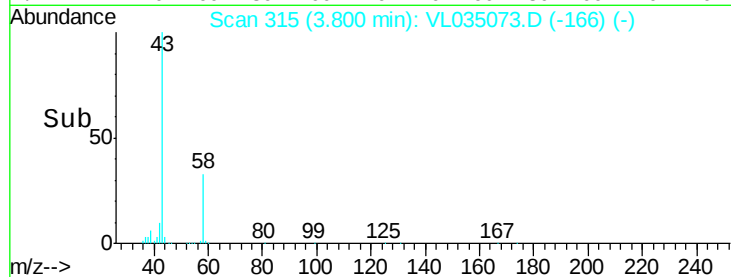
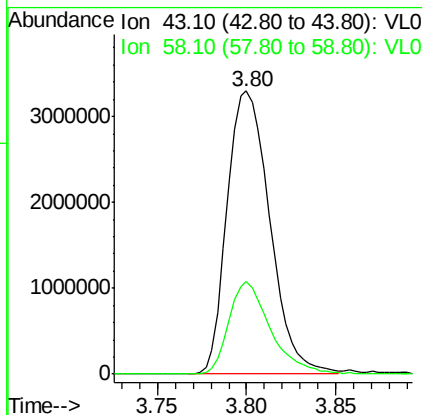
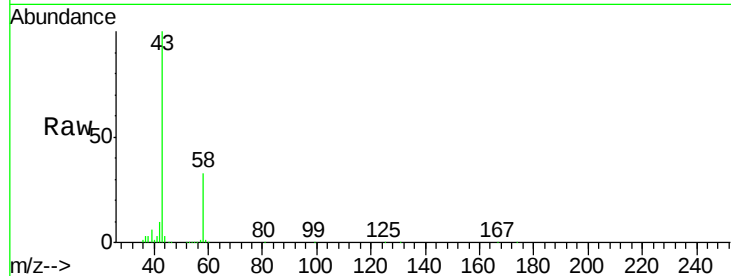
Ion Ratio Lower Upper

43 100

58 31.9 21.7 32.5

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#17

tert-Butyl alcohol

Concen: 2.132 ppbv

RT: 4.26 min Scan# 457

Delta R.T. -0.01 min

Lab File: VL035073.D

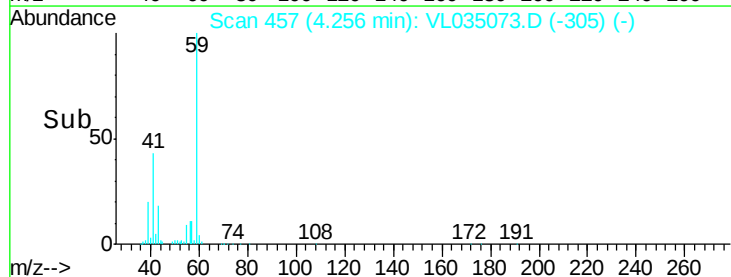
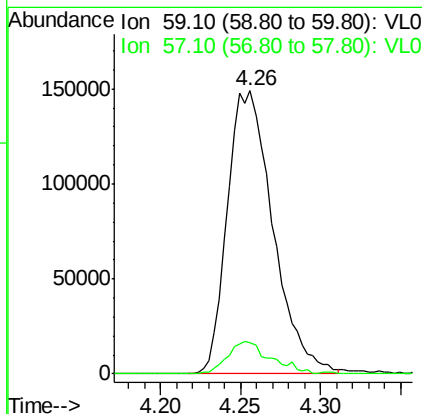
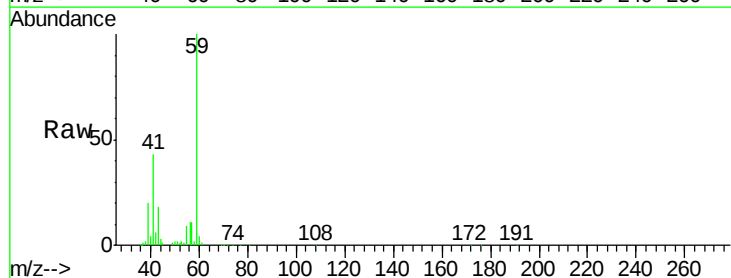
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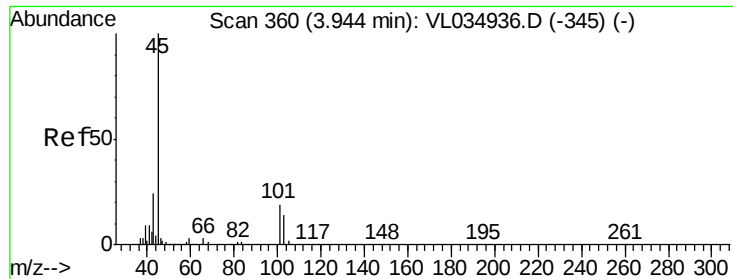
Tgt Ion: 59 Resp: 290482

Ion Ratio Lower Upper

59 100

57 11.0 8.7 13.1





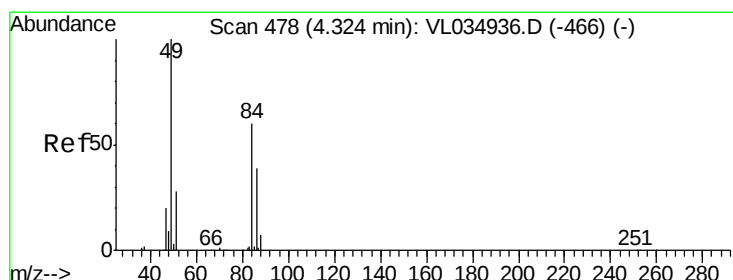
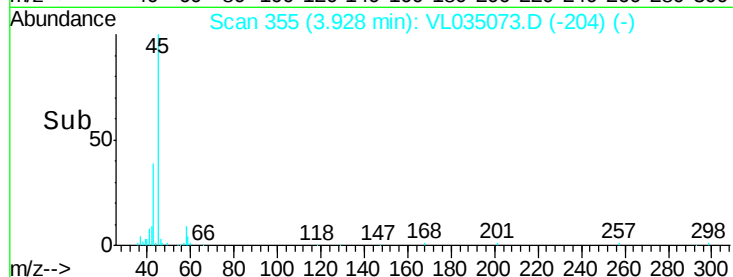
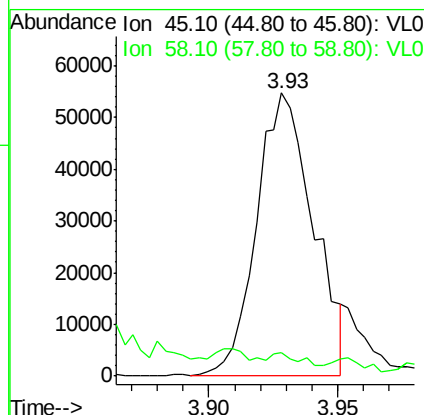
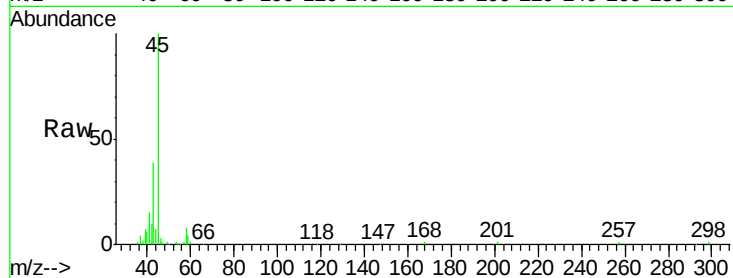
#19
Isopropyl Alcohol
Concen: 0.821 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 45 Resp: 83835
Ion Ratio Lower Upper
45 100
58 0.0 1.7 2.5#

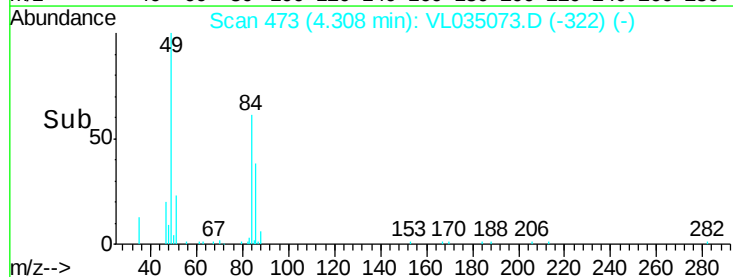
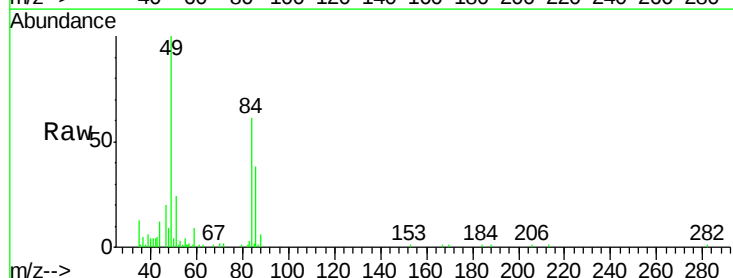
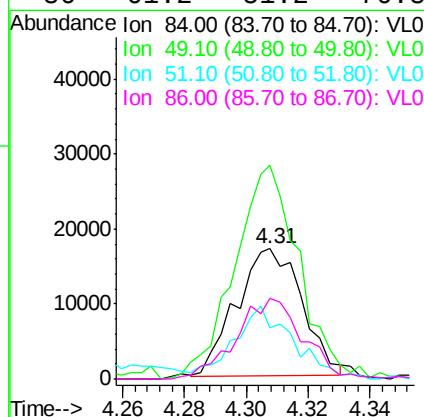
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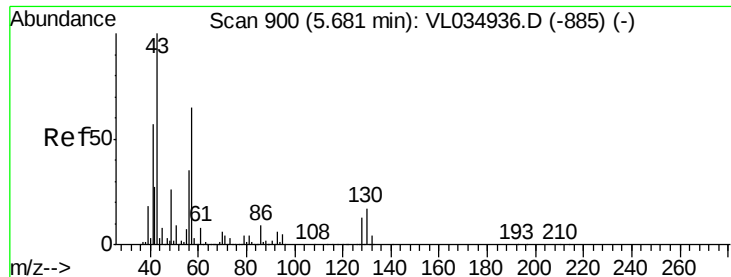
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#20
Methylene Chloride
Concen: 0.493 ppbv
RT: 4.31 min Scan# 473
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 84 Resp: 24992
Ion Ratio Lower Upper
84 100
49 157.7 132.5 198.7
51 38.0 38.4 57.6#
86 61.2 51.2 76.8





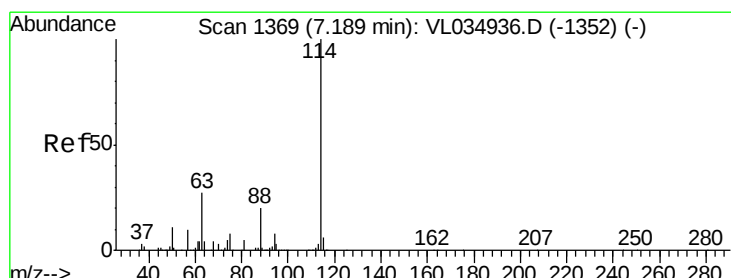
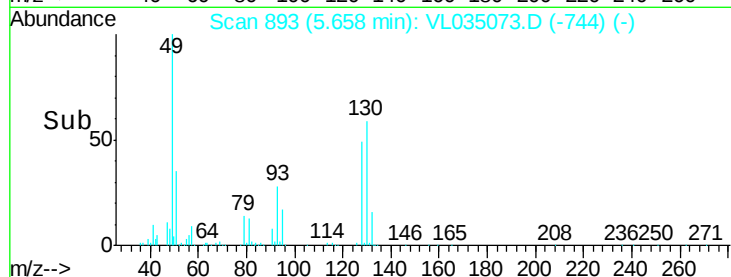
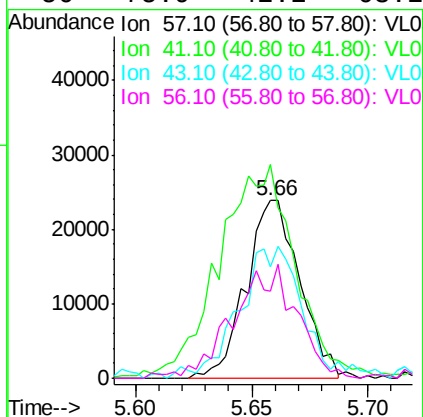
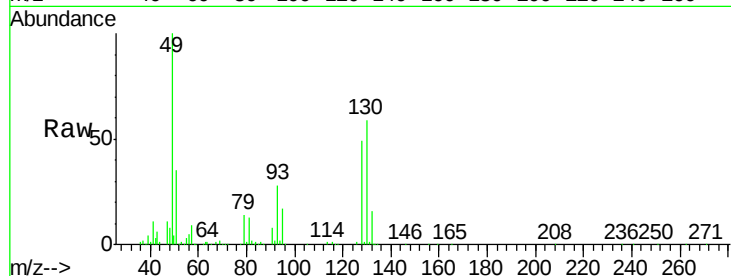
#26
Hexane
Concen: 0.345 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 57 Resp: 38428
Ion Ratio Lower Upper
57 100
41 171.1 72.7 109.1#
43 88.9 182.1 273.1#
56 75.9 42.2 63.2#

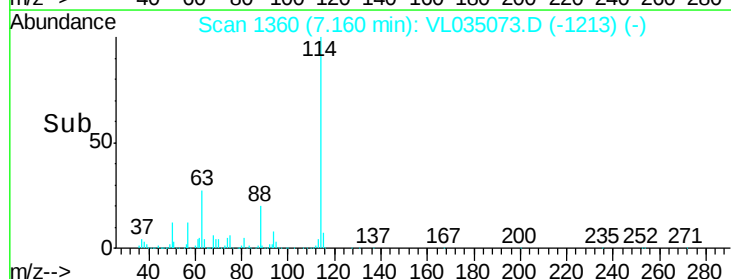
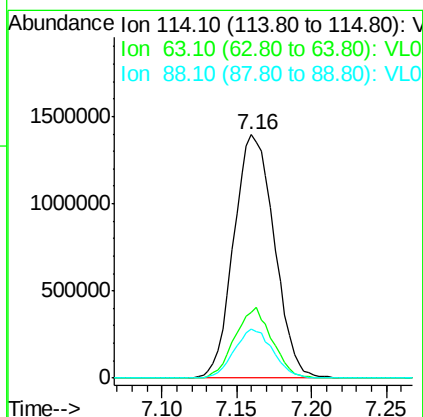
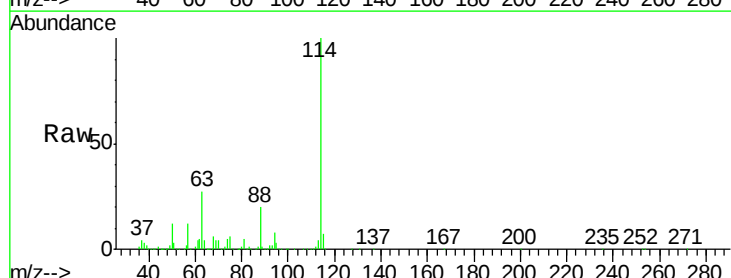
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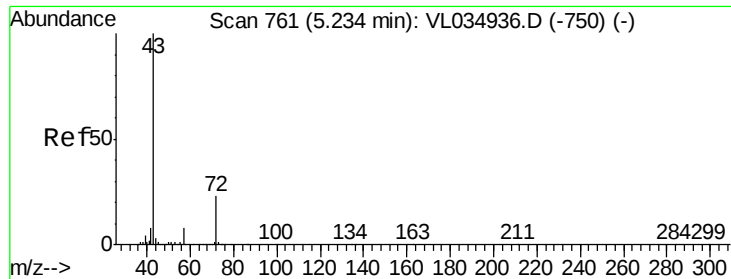
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.03 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 114 Resp: 2635556
Ion Ratio Lower Upper
114 100
63 26.8 22.2 33.4
88 19.3 15.5 23.3





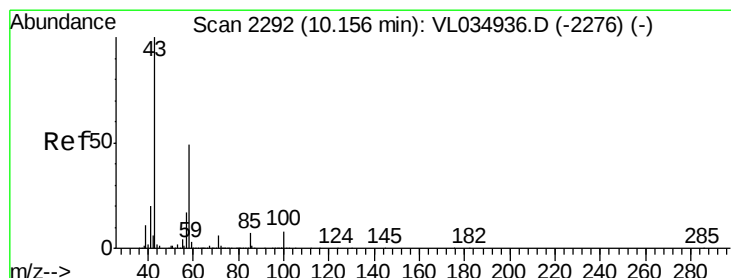
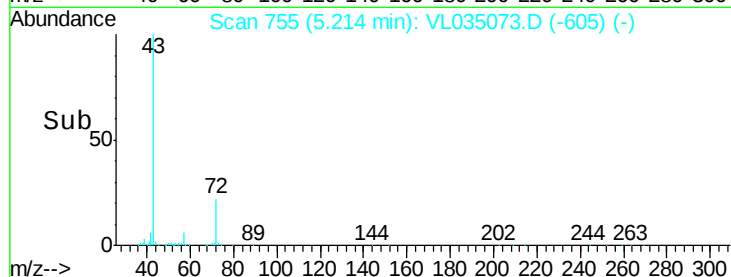
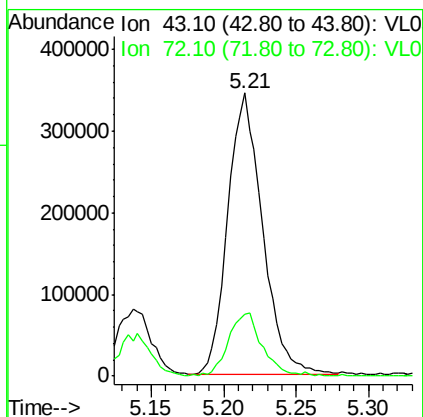
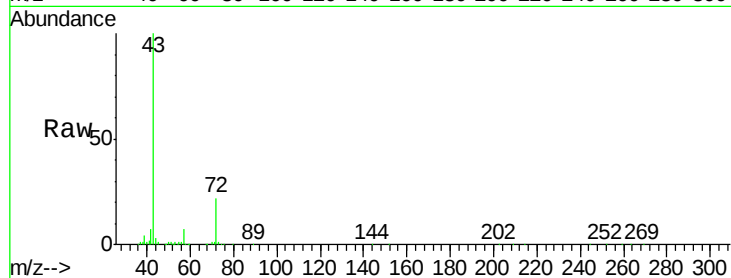
#34
2-Butanone
Concen: 3.502 ppbv
RT: 5.21 min Scan# 755
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 43 Resp: 573727
Ion Ratio Lower Upper
43 100
72 21.8 18.0 27.0

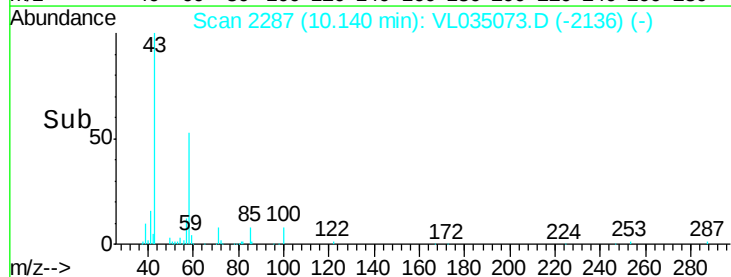
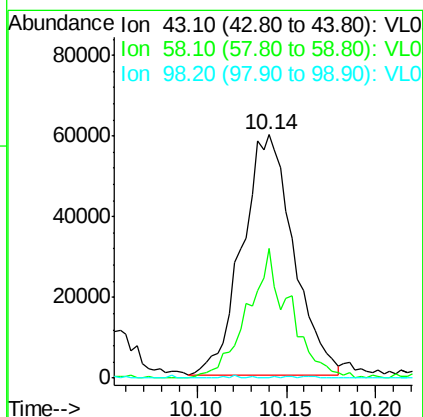
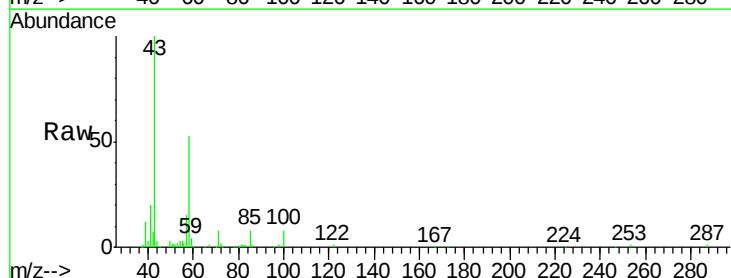
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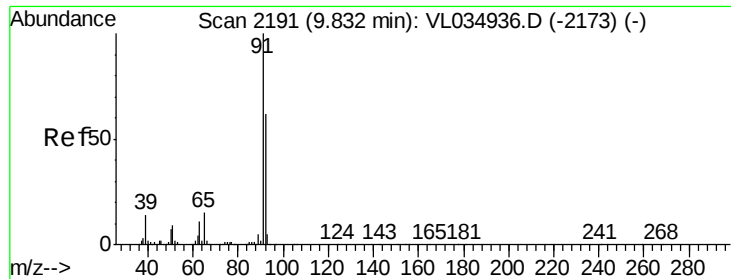
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#51
2-Hexanone
Concen: 0.656 ppbv
RT: 10.14 min Scan# 2287
Delta R.T. -0.02 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 43 Resp: 119773
Ion Ratio Lower Upper
43 100
58 45.2 39.1 58.7
98 0.2 0.3 0.5#





#53

Toluene

Concen: 0.502 ppbv

RT: 9.80 min Scan# 2182

Delta R.T. -0.03 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 91 Resp: 115621

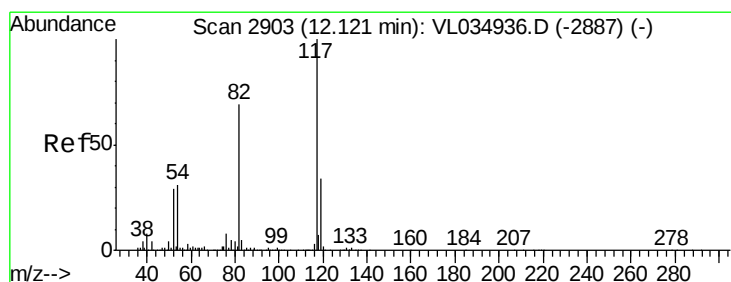
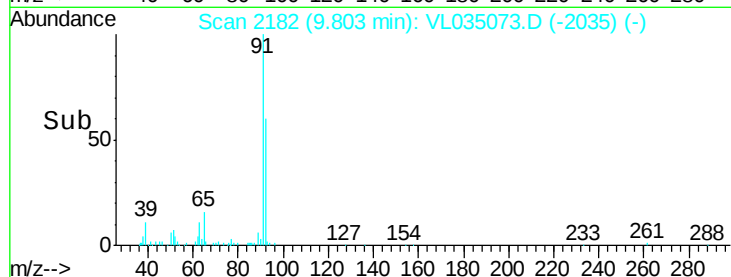
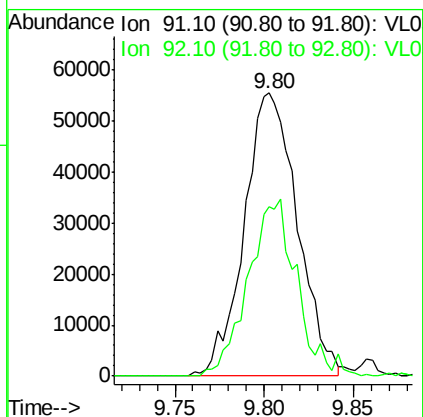
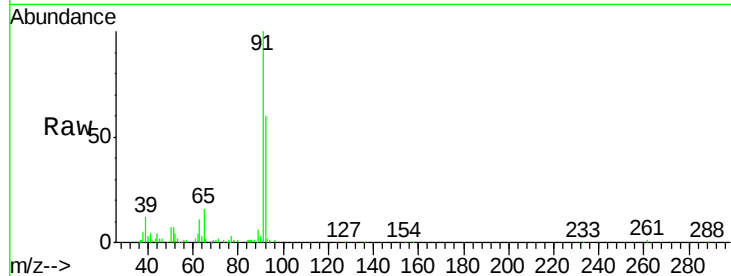
Ion Ratio Lower Upper

91 100

92 56.9 48.6 73.0

Manual Integrations
APPROVED

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5/20/2020 4:28:42 PM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.03 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

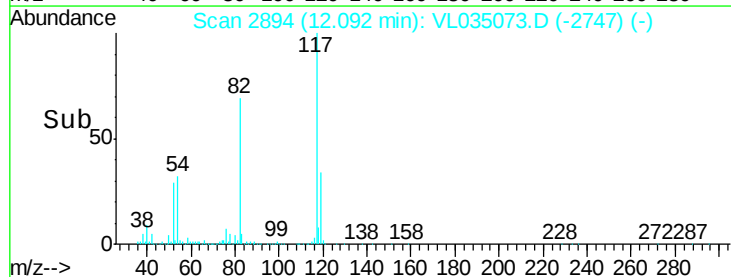
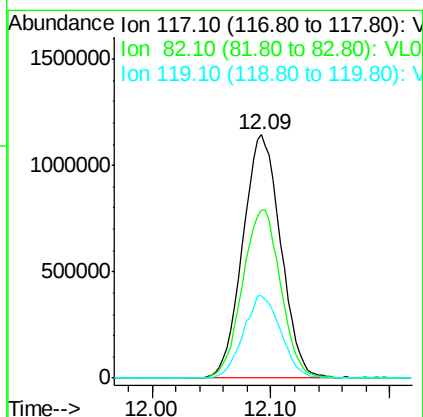
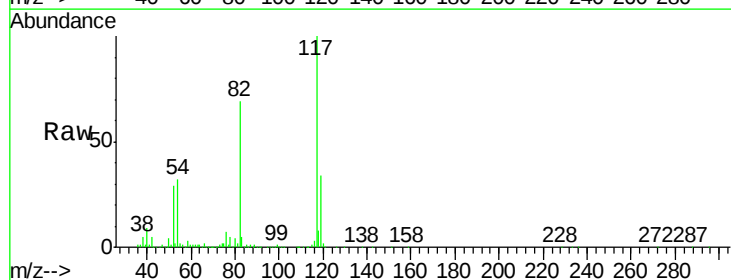
Tgt Ion: 117 Resp: 2527562

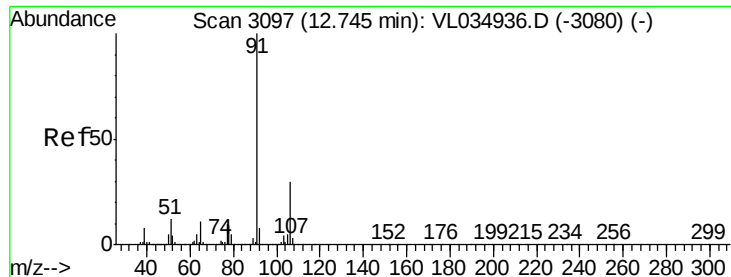
Ion Ratio Lower Upper

117 100

82 70.1 53.1 79.7

119 33.4 26.7 40.1





#58

Ethyl Benzene

Concen: 0.172 ppbv m

RT: 12.72 min Scan# 3089

Delta R.T. -0.03 min

Lab File: VL035073.D

Acq: 20 May 2020 9:50

Instrument :

MSVOA_L

ClientSampled :

SV3

Tot Ion: 91 Resp: 53663

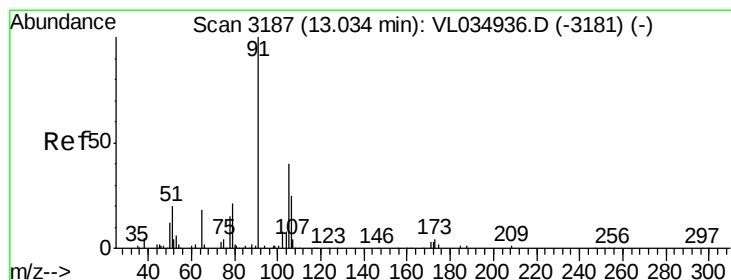
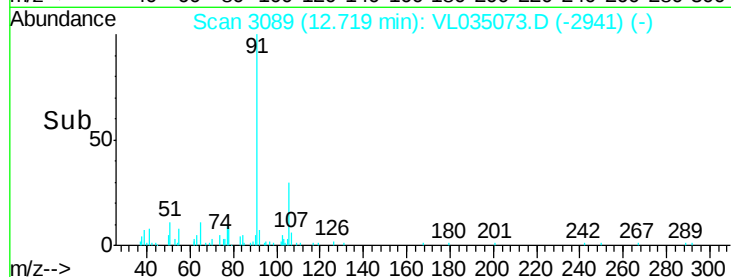
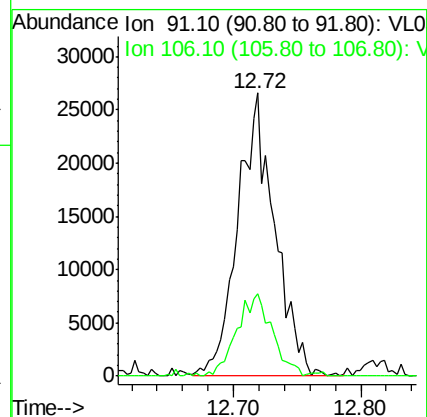
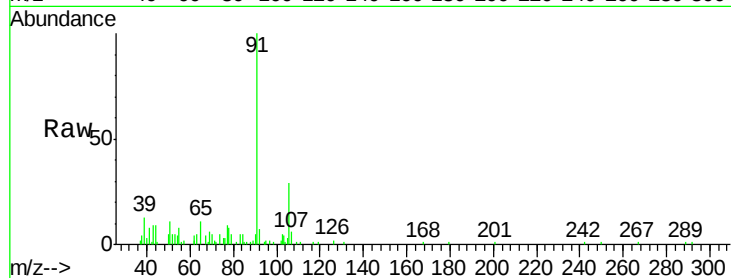
Ion Ratio Lower Upper

91 100

106 29.0 24.2 36.4

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#59

m/p-Xylene

Concen: 0.655 ppbv m

RT: 12.97 min Scan# 3168

Delta R.T. -0.06 min

Lab File: VL035073.D

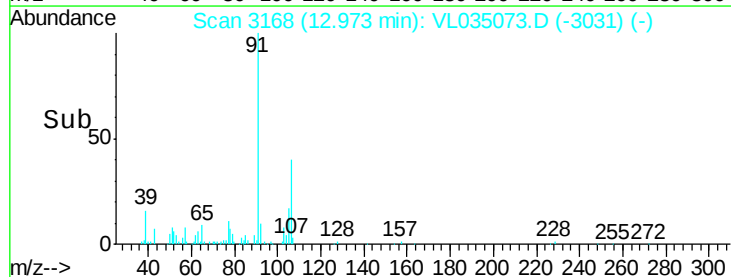
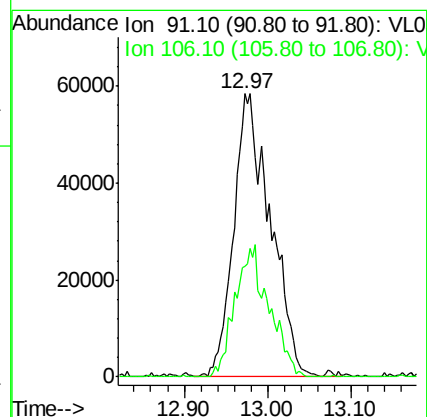
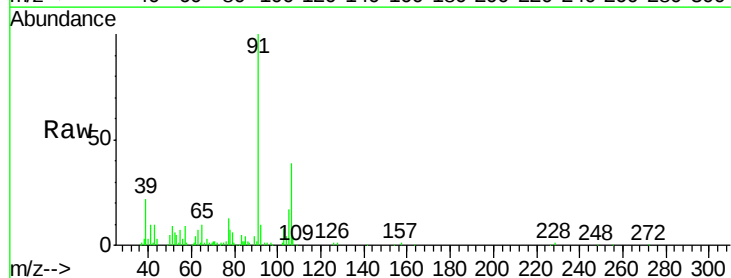
Acq: 20 May 2020 9:50

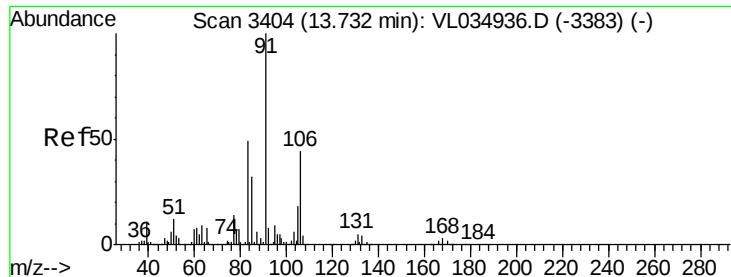
Tgt Ion: 91 Resp: 180149

Ion Ratio Lower Upper

91 100

106 0.0 66.0 99.0#





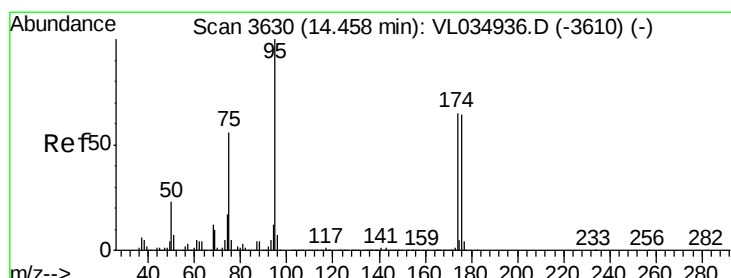
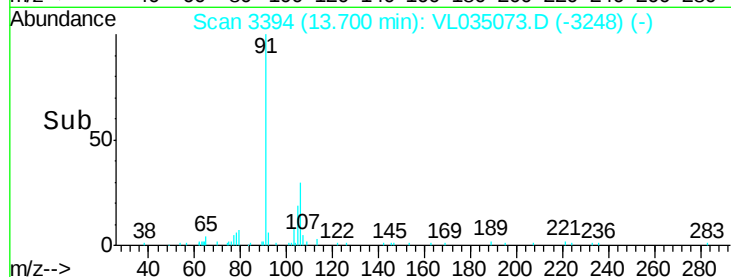
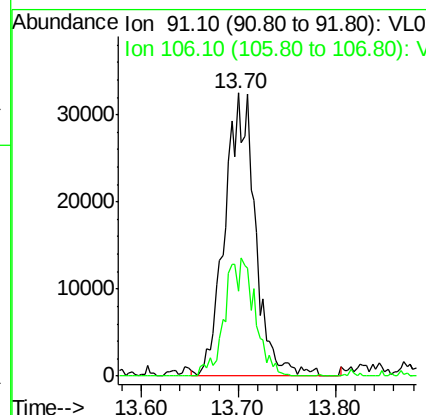
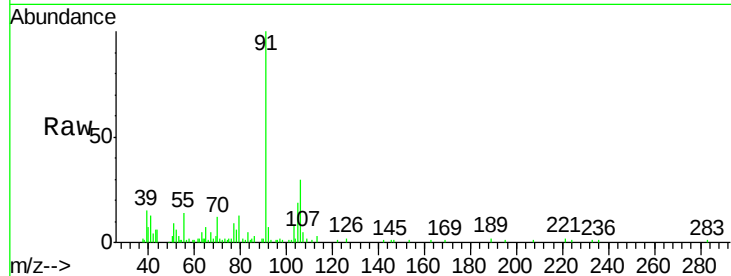
#60
o-Xylene
Concen: 0.260 ppbv m
RT: 13.70 min Scan# 3394
Delta R.T. -0.03 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Instrument :
MSVOA_L
ClientSampled :
SV3

Tot Ion: 91 Resp: 70676
Ion Ratio Lower Upper
91 100
106 41.3 21.9 65.5

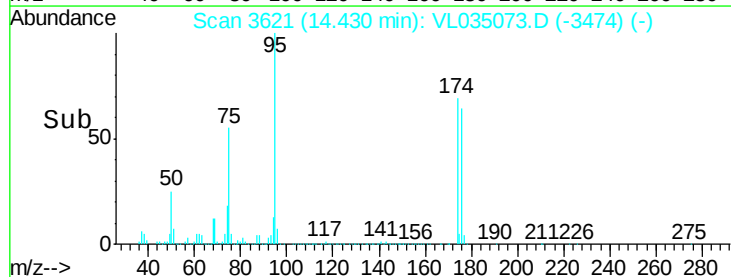
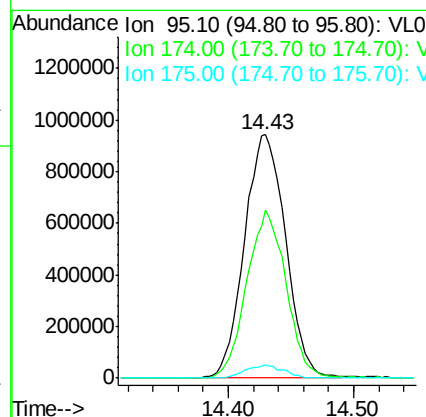
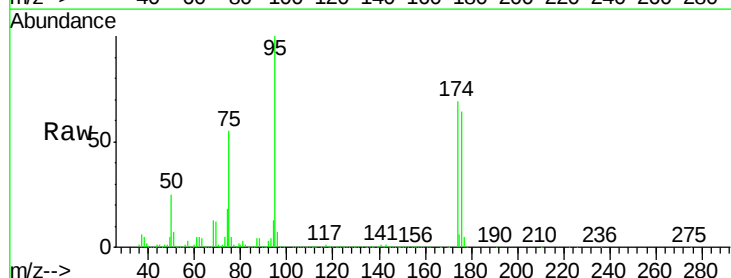
Manual Integrations
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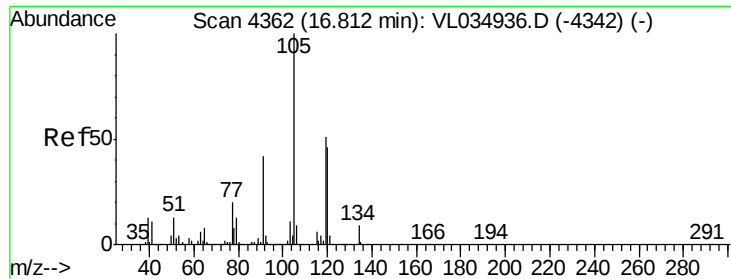
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.512 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035073.D
Acq: 20 May 2020 9:50

Tgt Ion: 95 Resp: 2150761
Ion Ratio Lower Upper
95 100
174 66.3 51.5 77.3
175 5.1 3.8 5.8





#74
 1,2,4-Trimethylbenzene
 Concen: 0.279 ppbv
 RT: 16.78 min Scan# 4351
 Delta R.T. -0.04 min
 Lab File: VL035073.D
 Acq: 20 May 2020 9:50

Instrument :
 MSVOA_L
 ClientSampleId :
 SV3

Tot Ion:	105	Resp:	89799
Ion Ratio	Lower	Upper	
105	100		
120	32.8	36.8	55.2#
91	5.9	35.4	53.0#
77	9.9	16.2	24.2#

Manual Integrations
 APPROVED

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 5/20/2020 4:28:42 PM

