

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035070.D
 Acq On : 20 May 2020 7:57
 Operator : SY/AP
 Sample : L2712-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2

Manual Integrations
 APPROVED

MMDadoda
 5/20/2020 4:28:34 PM

Quant Time: May 20 08:40:56 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	1215784	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2772265	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2685037	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.43	95	2290997	10.54	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.96	41	26905	0.447	ppbv	90
10) Heptane	8.11	43	34904m	0.231	ppbv	
13) Ethanol	3.56	45	14912m	0.750	ppbv	
15) Acetone	3.80	43	4711002	29.310	ppbv	92
17) tert-Butyl alcohol	4.25	59	269424	1.884	ppbv	98
19) Isopropyl Alcohol	3.93	45	73913	0.690	ppbv #	94
20) Methylene Chloride	4.31	84	17777m	0.334	ppbv	
26) Hexane	5.66	57	38301	0.327	ppbv #	20
34) 2-Butanone	5.21	43	619597	3.596	ppbv	99
51) 2-Hexanone	10.14	43	170099	0.885	ppbv #	97
53) Toluene	9.81	91	126859	0.524	ppbv	96
58) Ethyl Benzene	12.72	91	55294m	0.167	ppbv	
59) m/p-Xylene	12.97	91	176874m	0.605	ppbv	
60) o-Xylene	13.70	91	68921	0.239	ppbv	100
74) 1,2,4-Trimethylbenzene	16.79	105	74395m	0.218	ppbv	

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

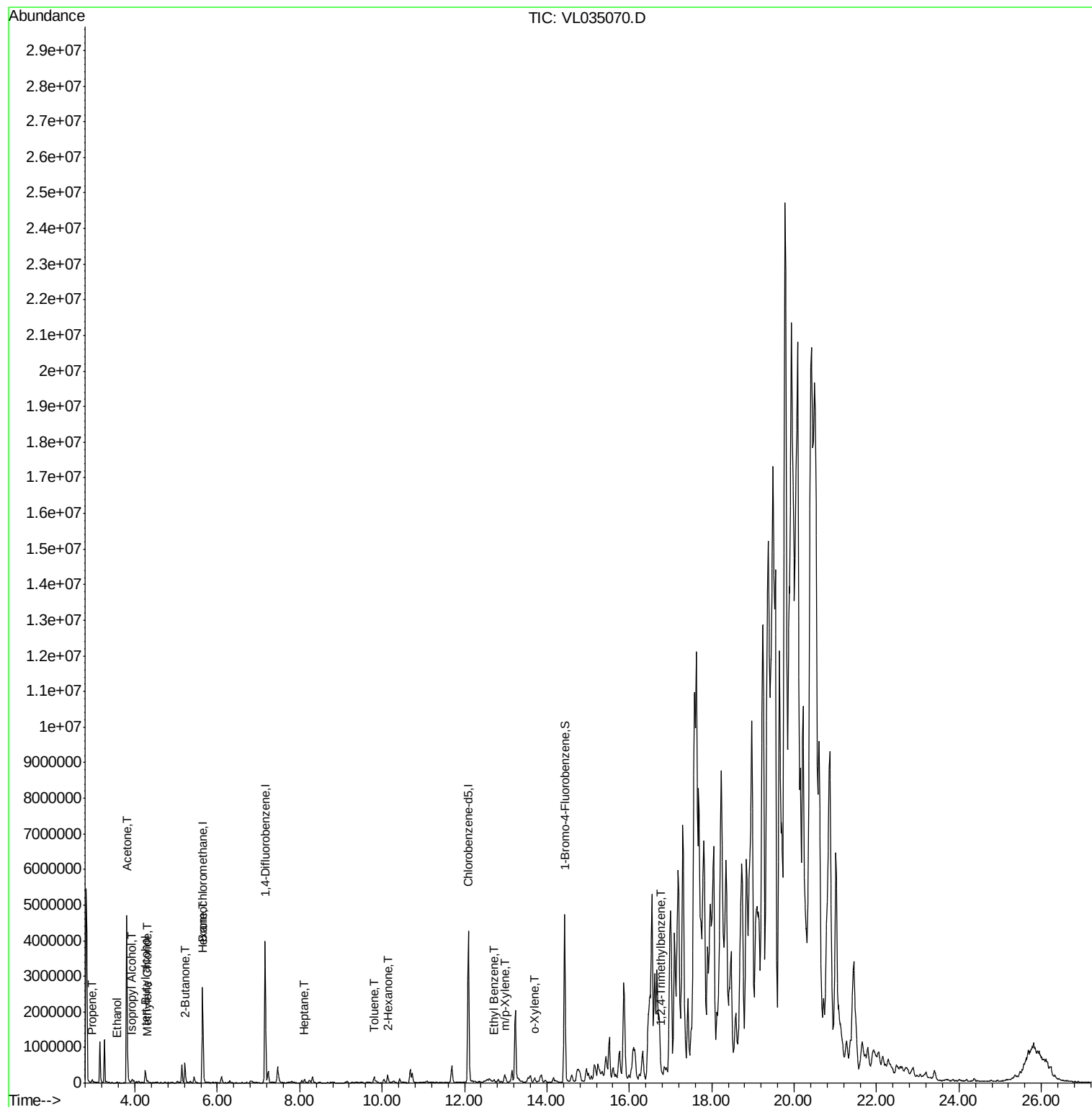
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035070.D
Acq On : 20 May 2020 7:57
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

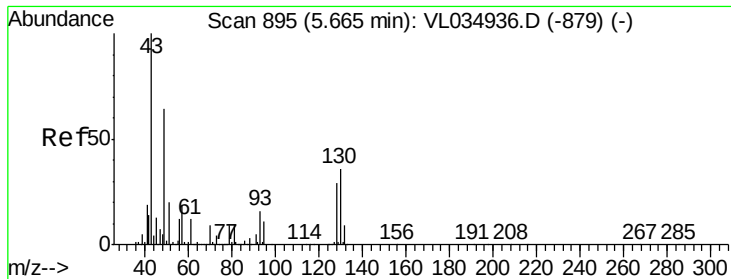
Instrument :
MSVOA_L
ClientSampleId :
SV2

Manual Integrations
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Quant Time: May 20 08:40:56 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

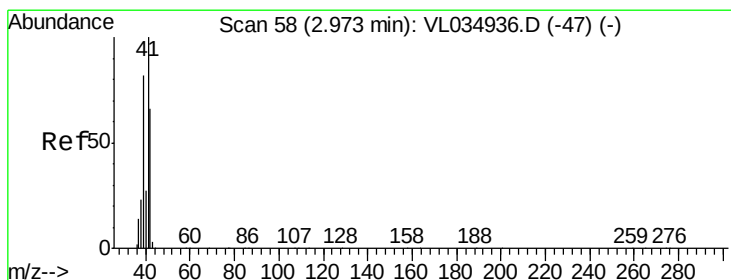
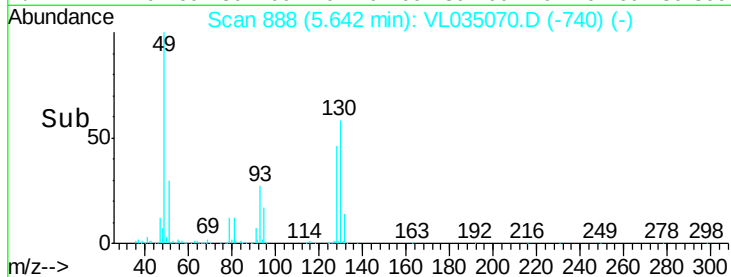
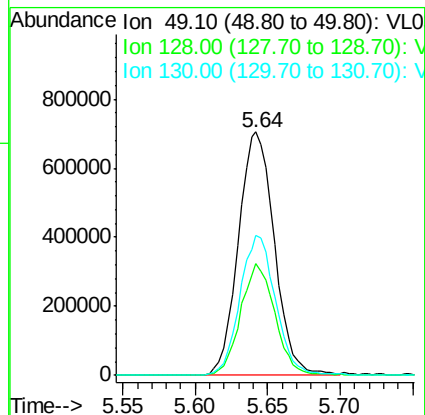
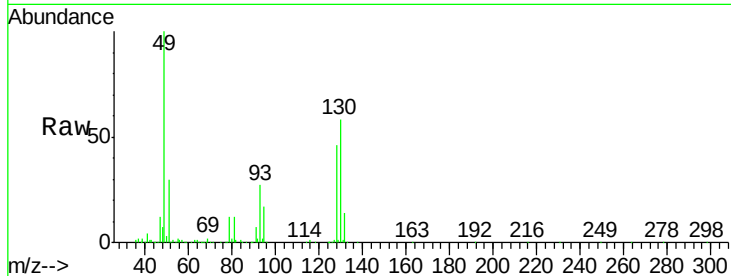
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.64 min Scan# 888
 Delta R.T. -0.02 min
 Lab File: VL035070.D
 Acq: 20 May 2020 7:57

Instrument :
 MSVOA_L
 ClientSampled :
 SV2

Tot Ion: 49 Resp: 1215784
 Ion Ratio Lower Upper
 49 100
 128 44.3 22.1 66.5
 130 57.1 29.1 87.3

Manual Integrations
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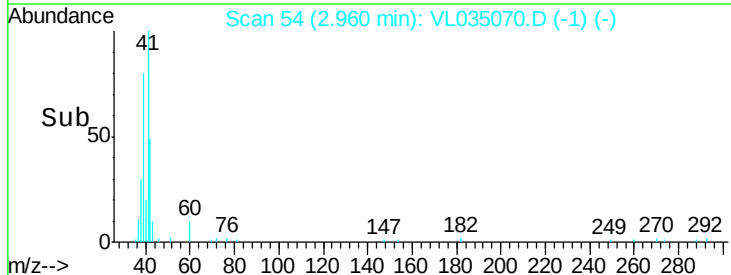
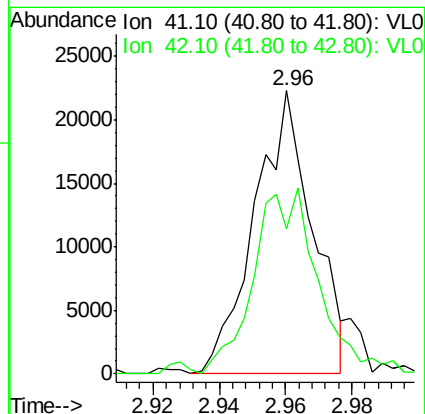
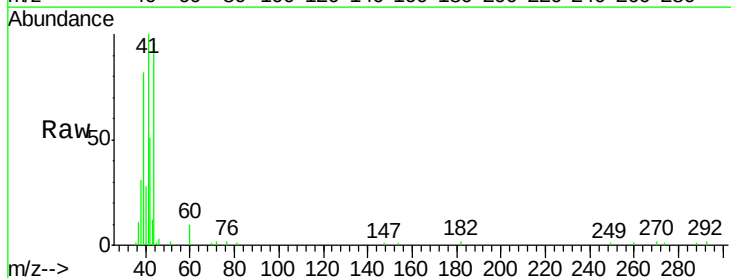
MMDadoda
 5/20/2020 4:28:34 PM

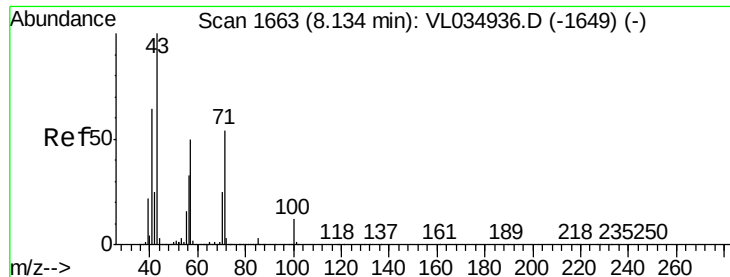


#9

Propene
 Concen: 0.447 ppbv
 RT: 2.96 min Scan# 54
 Delta R.T. -0.01 min
 Lab File: VL035070.D
 Acq: 20 May 2020 7:57

Tgt Ion: 41 Resp: 26905
 Ion Ratio Lower Upper
 41 100
 42 75.9 54.5 81.7





#10

Heptane

Concen: 0.231 ppbv m

RT: 8.11 min Scan# 1657

Delta R.T. -0.02 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

Instrument :

MSVOA_L

ClientSampled :

SV2

Tot Ion: 43 Resp: 34904

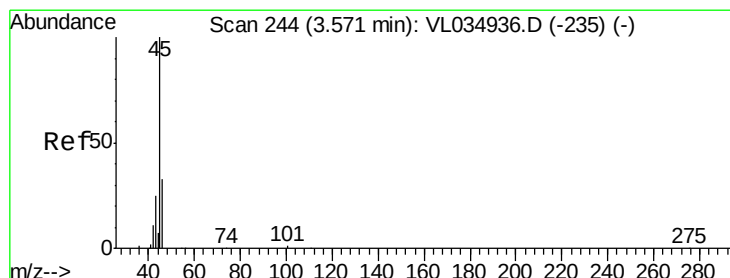
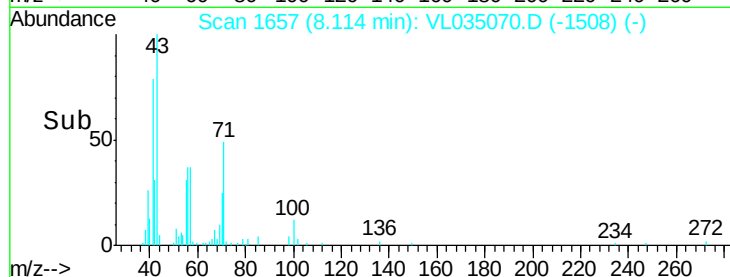
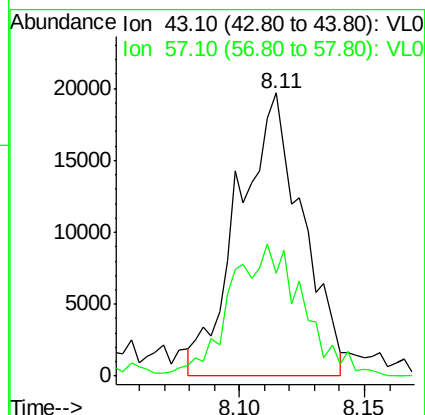
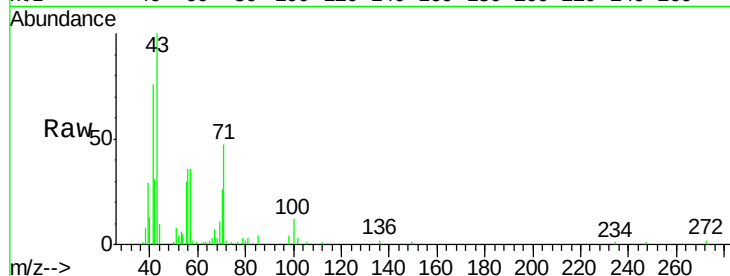
Ion Ratio Lower Upper

43 100

57 0.0 41.1 61.7#

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#13

Ethanol

Concen: 0.750 ppbv m

RT: 3.56 min Scan# 242

Delta R.T. -0.01 min

Lab File: VL035070.D

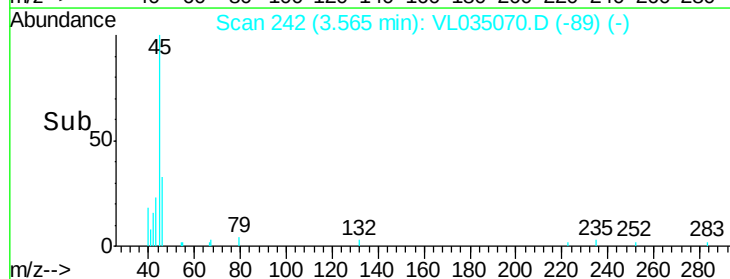
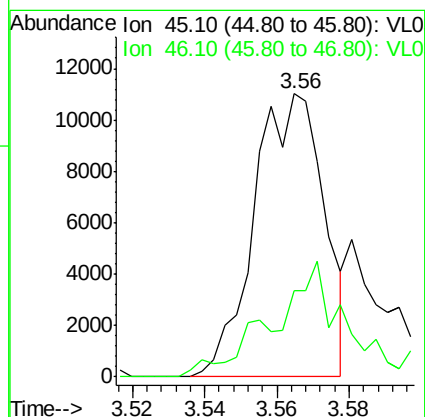
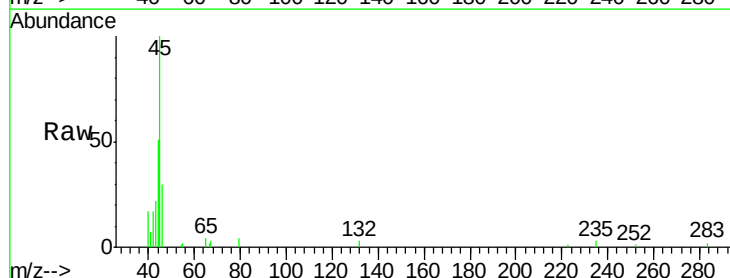
Acq: 20 May 2020 7:57

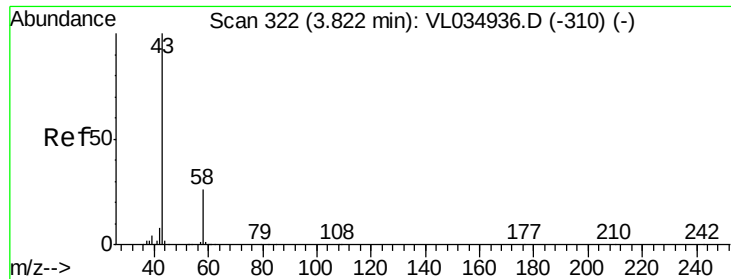
Tgt Ion: 45 Resp: 14912

Ion Ratio Lower Upper

45 100

46 0.0 14.3 57.3#





#15

Acetone

Concen: 29.310 ppbv

RT: 3.80 min Scan# 315

Delta R.T. -0.02 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion: 43 Resp: 4711002

Ion Ratio Lower Upper

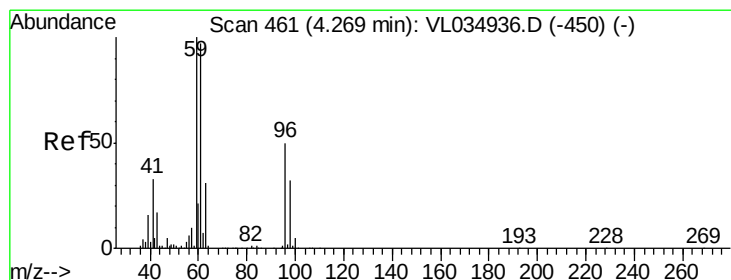
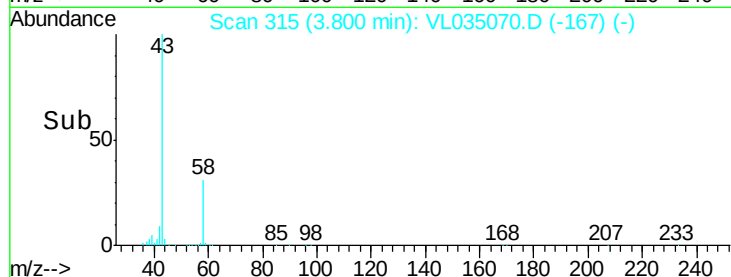
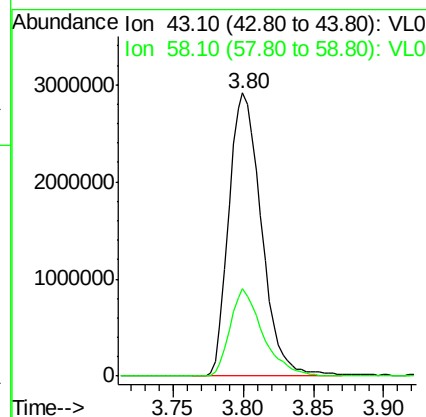
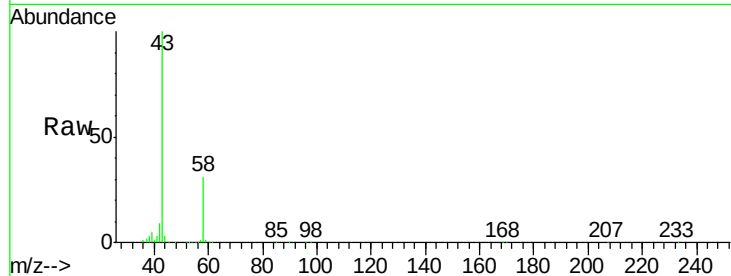
43 100

58 31.5 21.7 32.5

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#17

tert-Butyl alcohol

Concen: 1.884 ppbv

RT: 4.25 min Scan# 456

Delta R.T. -0.02 min

Lab File: VL035070.D

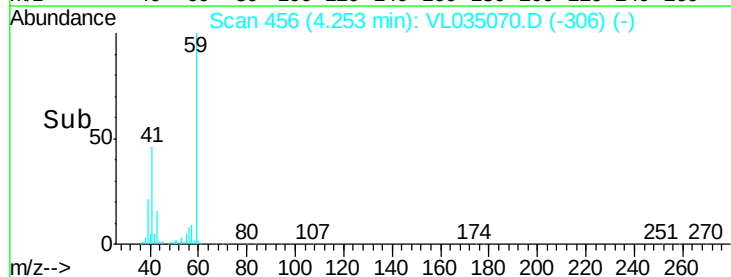
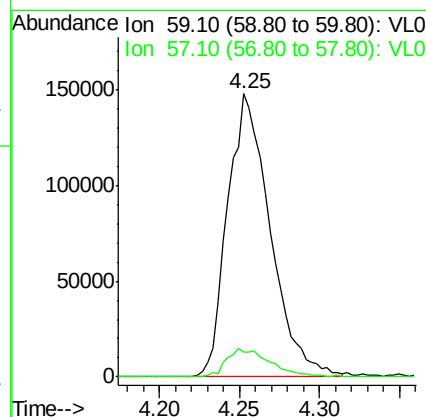
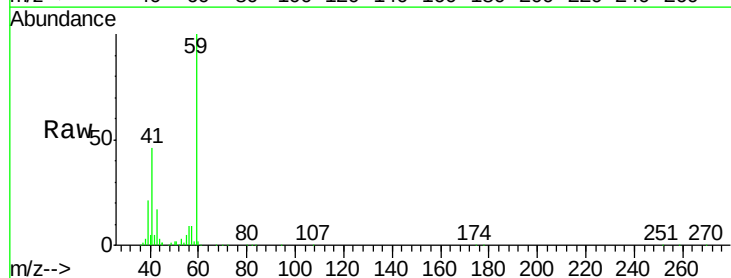
Acq: 20 May 2020 7:57

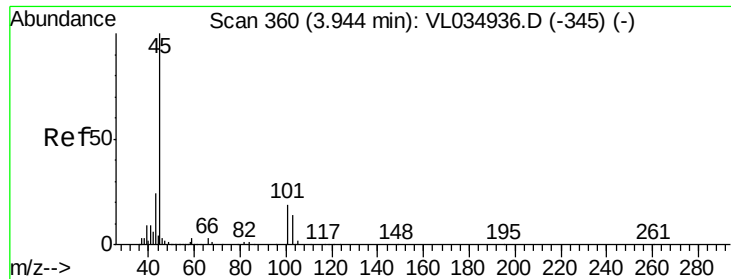
Tgt Ion: 59 Resp: 269424

Ion Ratio Lower Upper

59 100

57 10.3 8.7 13.1





#19

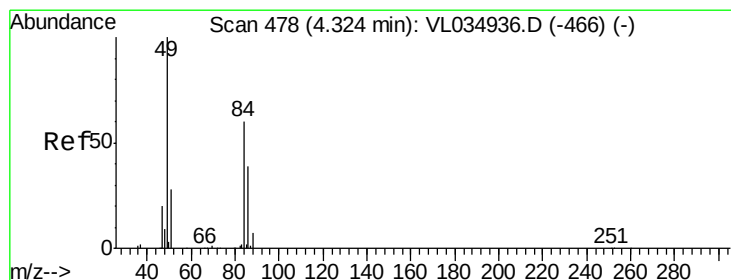
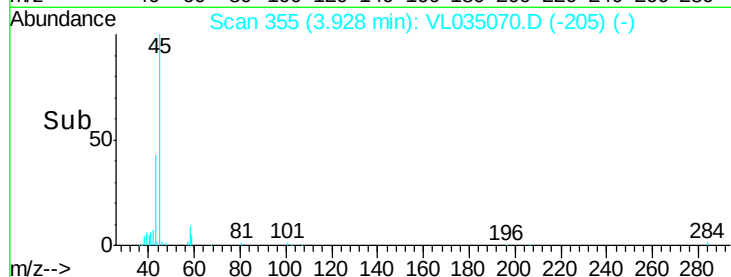
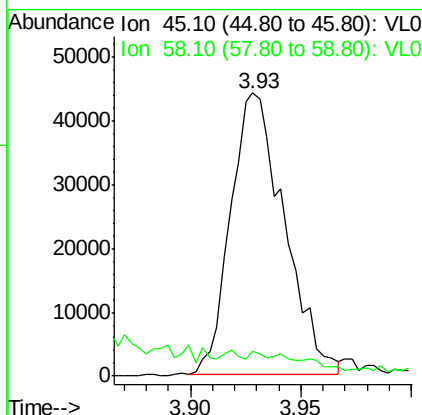
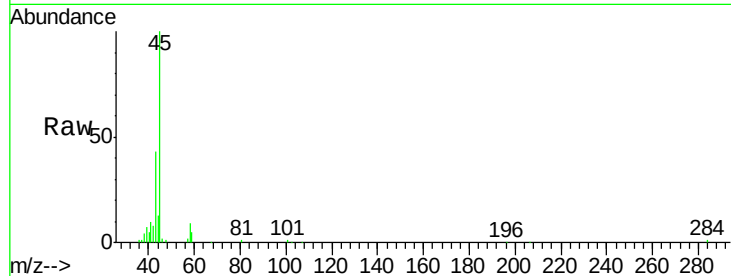
Isopropyl Alcohol
 Concen: 0.690 ppbv
 RT: 3.93 min Scan# 355
 Delta R.T. -0.02 min
 Lab File: VL035070.D
 Acq: 20 May 2020 7:57

Instrument :
 MSVOA_L
 ClientSampled :
 SV2

Tot Ion	45	Resp	73913
Ion Ratio	100	Lower	Upper
58	0.0	1.7	2.5#

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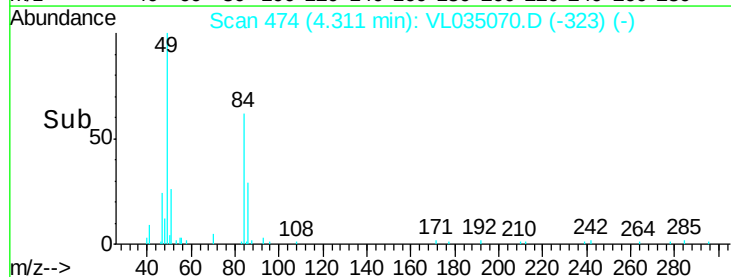
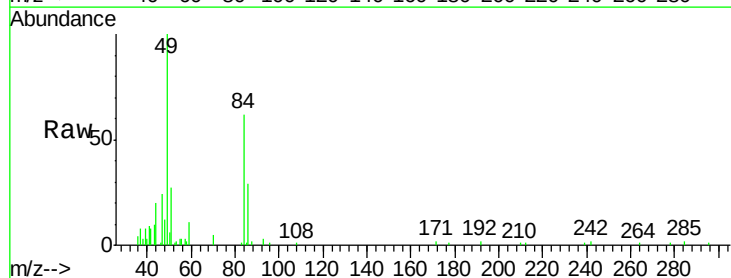
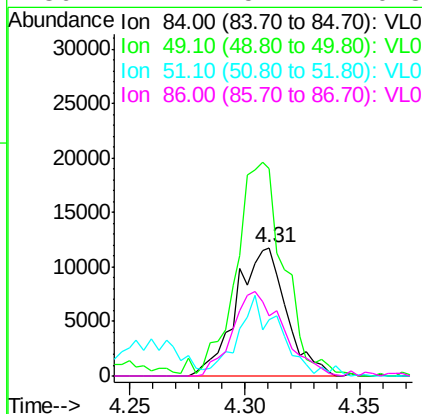
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 5/20/2020 4:28:34 PM

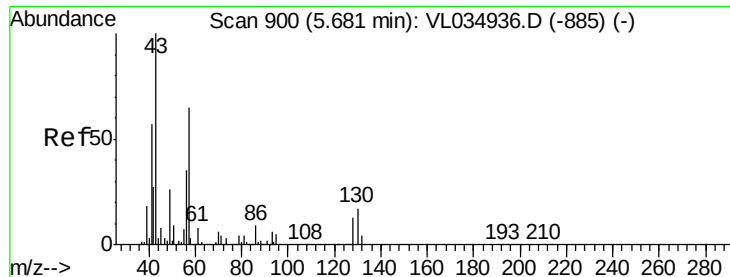


#20

Methylene Chloride
 Concen: 0.334 ppbv m
 RT: 4.31 min Scan# 474
 Delta R.T. -0.01 min
 Lab File: VL035070.D
 Acq: 20 May 2020 7:57

Tgt Ion	84	Resp	17777
Ion Ratio	100	Lower	Upper
49	161.6	132.5	198.7
51	43.8	38.4	57.6
86	47.2	51.2	76.8#





#26

Hexane

Concen: 0.327 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.02 min

Lab File: VL035070.D

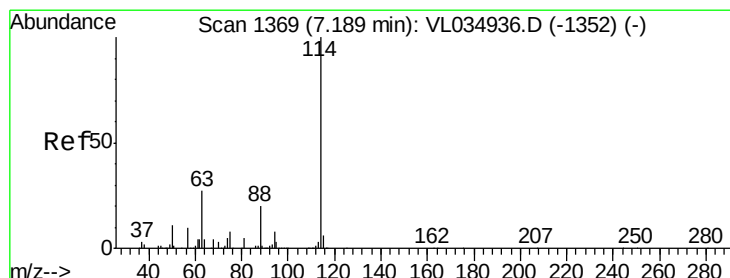
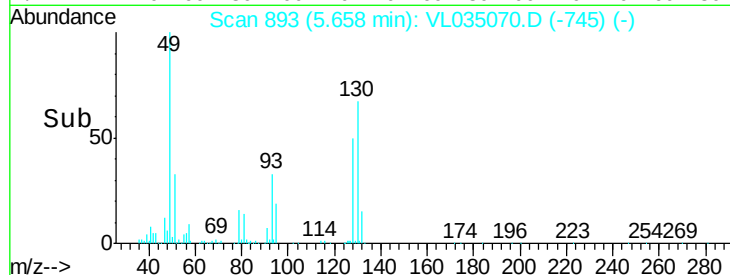
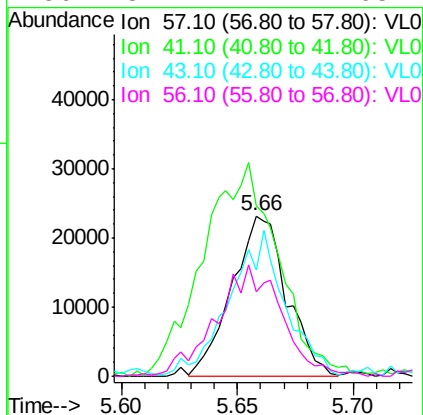
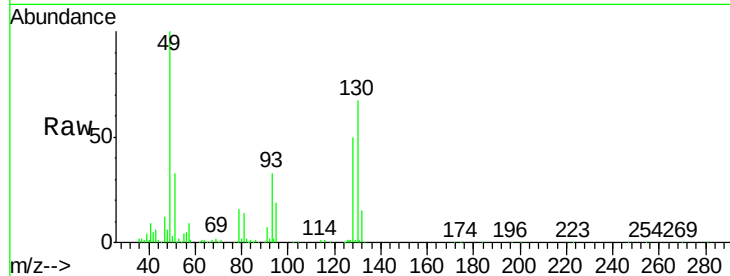
Acq: 20 May 2020 7:57

Instrument :
MSVOA_L
ClientSampleId :
SV2

Tot Ion	57	Resp	38301
Ion	Ratio	Lower	Upper
57	100		
41	183.3	72.7	109.1#
43	93.9	182.1	273.1#
56	82.4	42.2	63.2#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

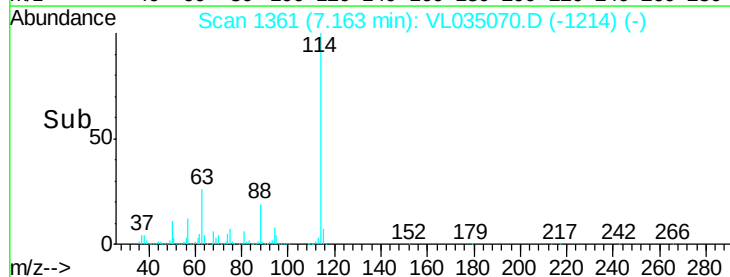
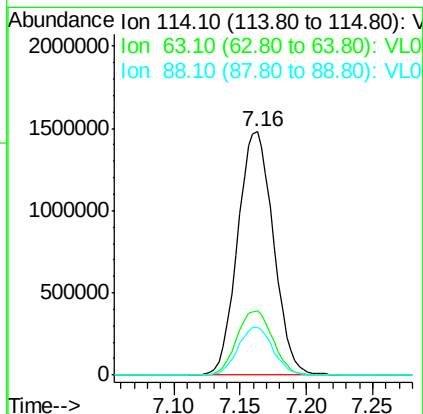
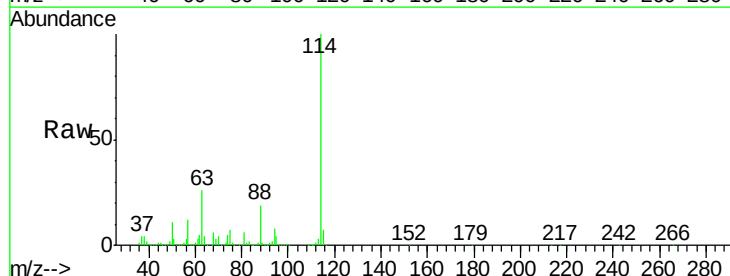
RT: 7.16 min Scan# 1361

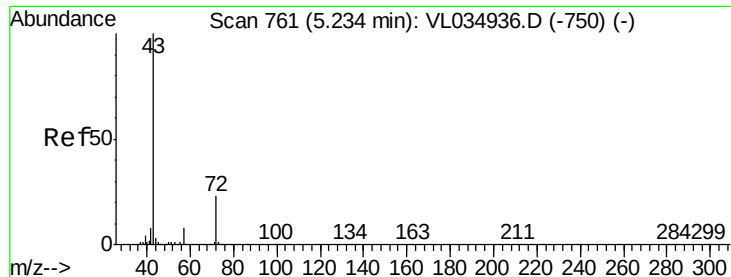
Delta R.T. -0.03 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

Tgt Ion	114	Resp	2772265
Ion	Ratio	Lower	Upper
114	100		
63	26.8	22.2	33.4
88	19.3	15.5	23.3





#34

2-Butanone

Concen: 3.596 ppbv

RT: 5.21 min Scan# 755

Delta R.T. -0.02 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

Instrument :

MSVOA_L

ClientSampleId :

SV2

Tot Ion: 43 Resp: 619597

Ion Ratio Lower Upper

43 100

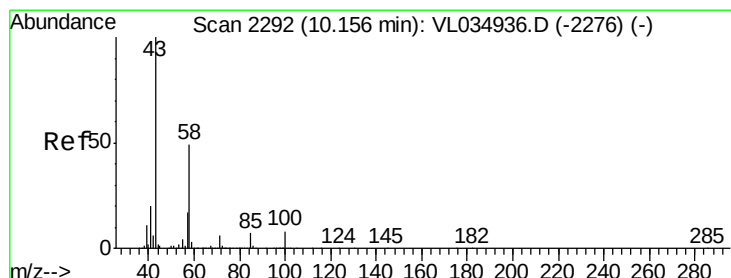
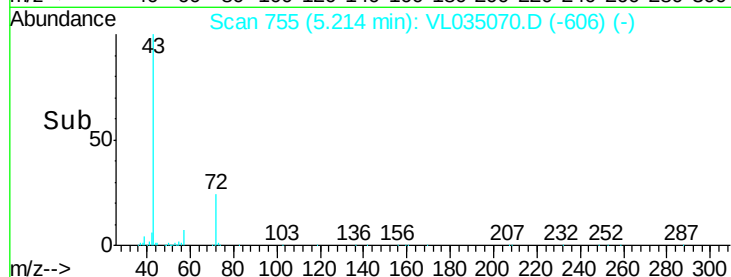
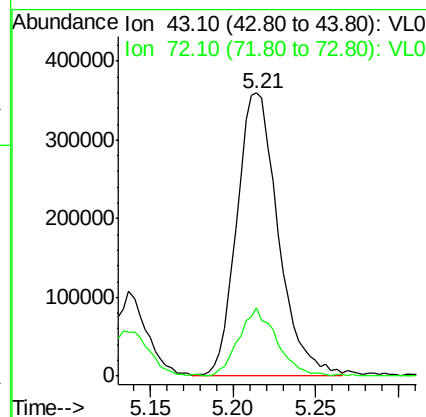
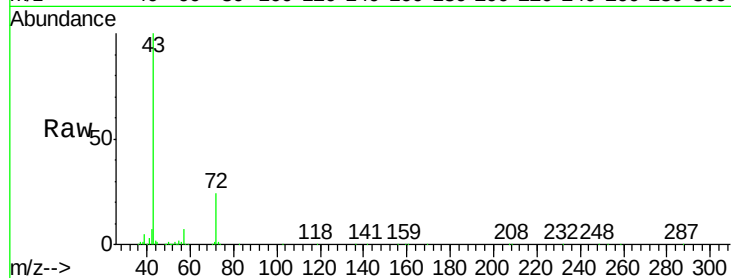
72 22.7 18.0 27.0

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#51

2-Hexanone

Concen: 0.885 ppbv

RT: 10.14 min Scan# 2286

Delta R.T. -0.02 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

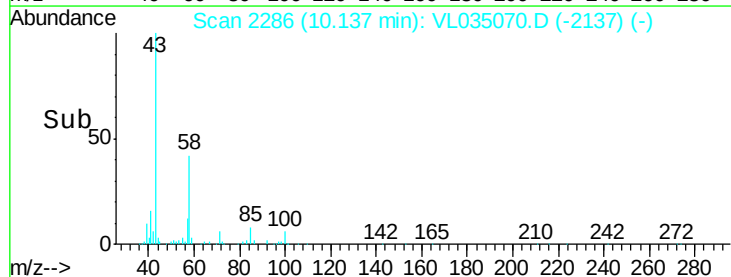
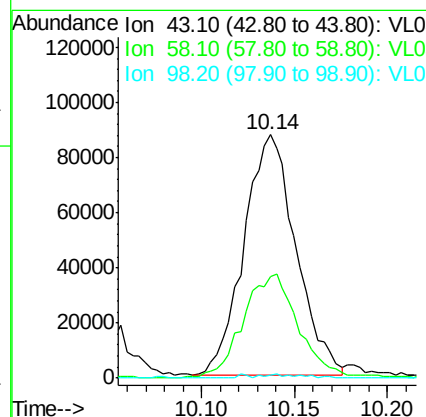
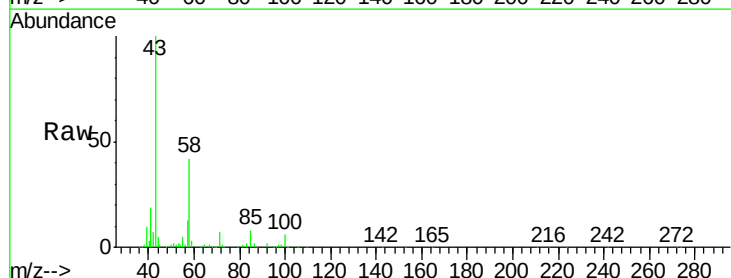
Tgt Ion: 43 Resp: 170099

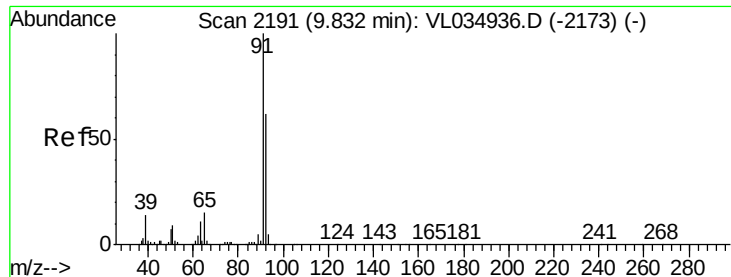
Ion Ratio Lower Upper

43 100

58 47.0 39.1 58.7

98 1.6 0.3 0.5#





#53

Toluene

Concen: 0.524 ppbv

RT: 9.81 min Scan# 2184

Delta R.T. -0.02 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

Instrument :

MSVOA_L

ClientSampled :

SV2

Tot Ion: 91 Resp: 126859

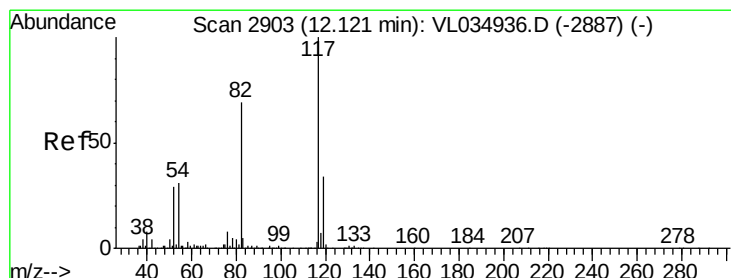
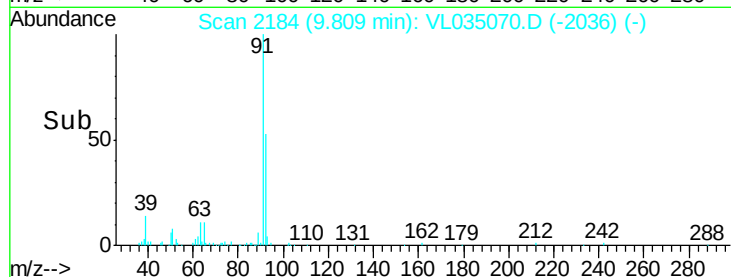
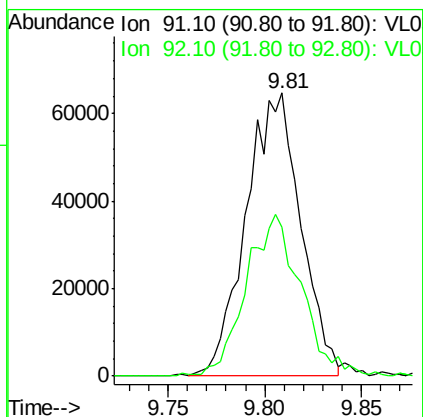
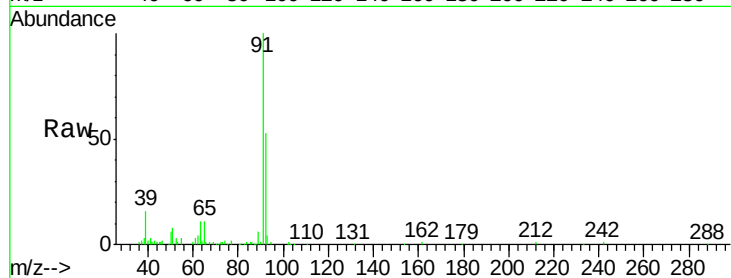
Ion Ratio Lower Upper

91 100

92 57.8 48.6 73.0

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.09 min Scan# 2894

Delta R.T. -0.03 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

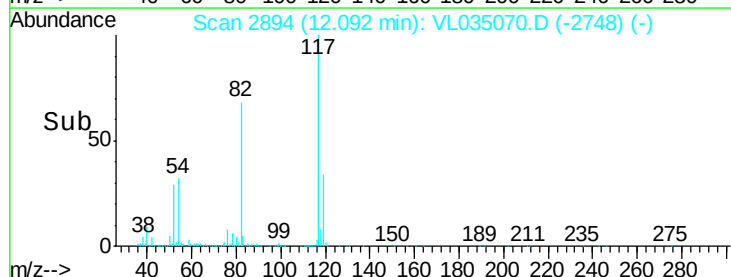
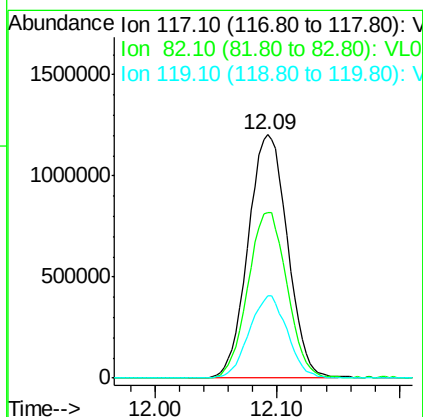
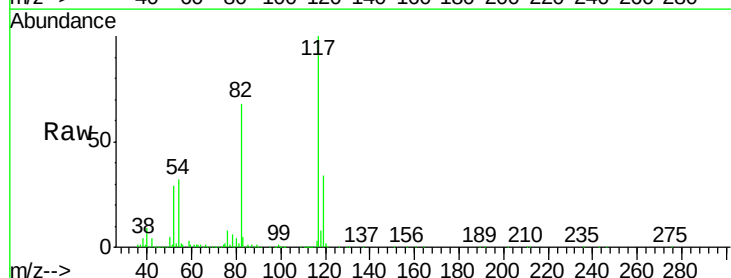
Tgt Ion: 117 Resp: 2685037

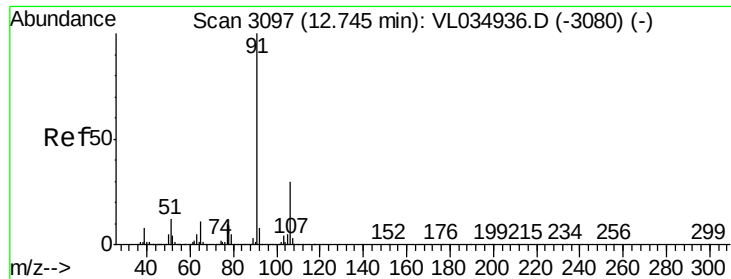
Ion Ratio Lower Upper

117 100

82 67.8 53.1 79.7

119 33.0 26.7 40.1





#58

Ethyl Benzene

Concen: 0.167 ppbv m

RT: 12.72 min Scan# 3089

Delta R.T. -0.03 min

Lab File: VL035070.D

Acq: 20 May 2020 7:57

Instrument :

MSVOA_L

ClientSampled :

SV2

Tot Ion: 91 Resp: 55294

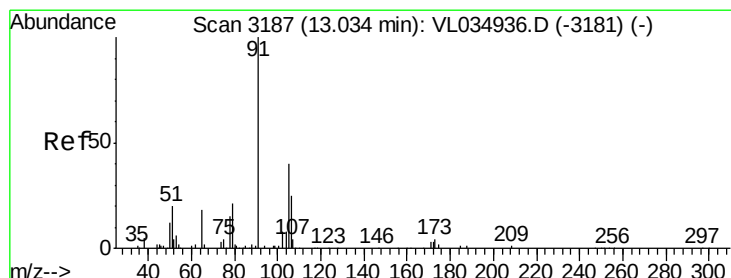
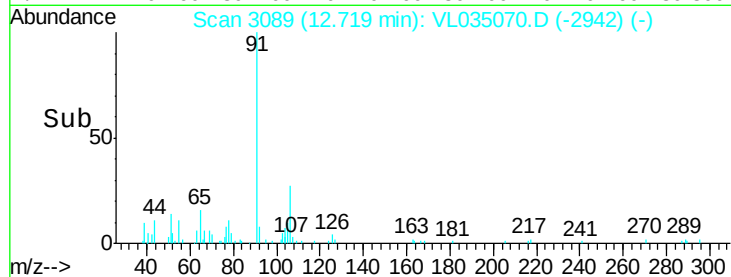
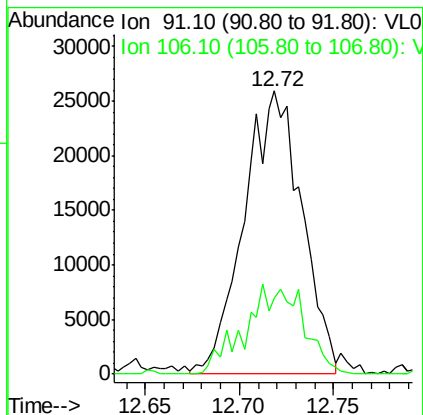
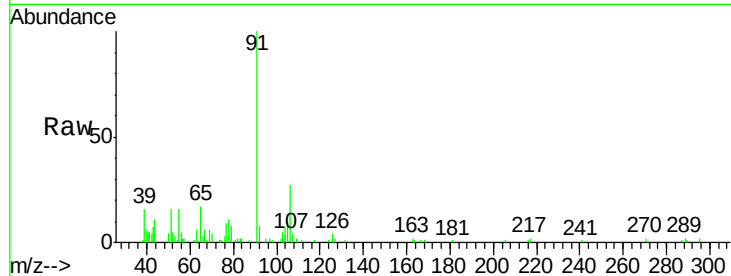
Ion Ratio Lower Upper

91 100

106 26.8 24.2 36.4

Manual Integrations
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#59

m/p-Xylene

Concen: 0.605 ppbv m

RT: 12.97 min Scan# 3168

Delta R.T. -0.06 min

Lab File: VL035070.D

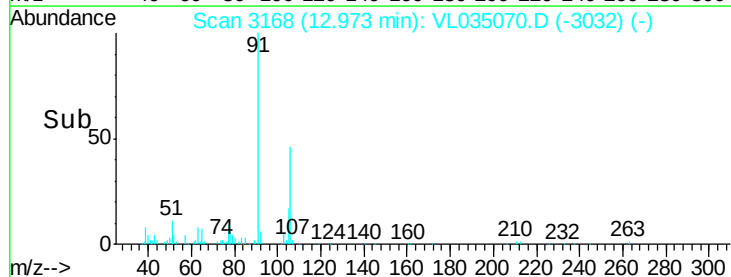
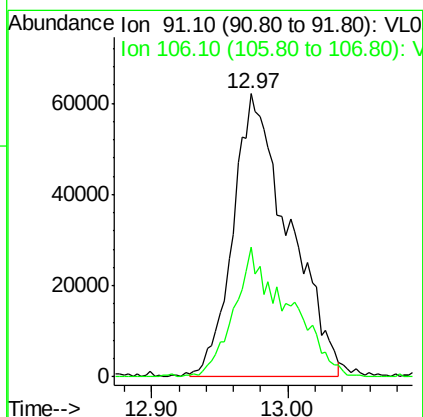
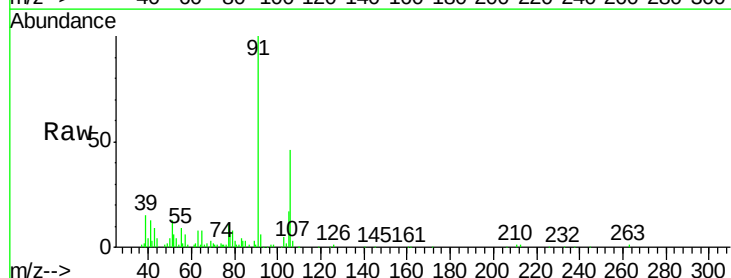
Acq: 20 May 2020 7:57

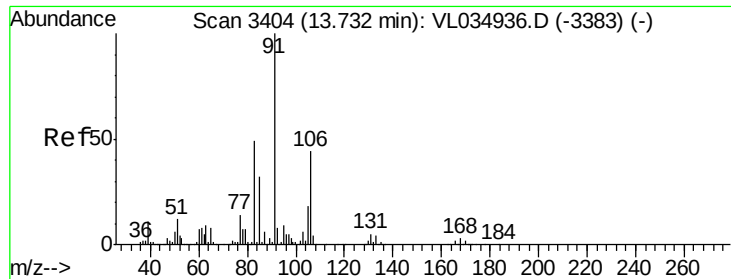
Tgt Ion: 91 Resp: 176874

Ion Ratio Lower Upper

91 100

106 0.0 66.0 99.0#





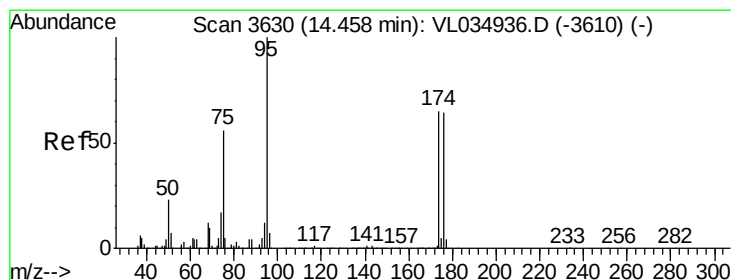
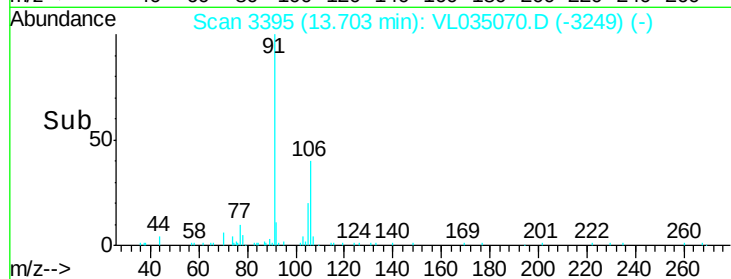
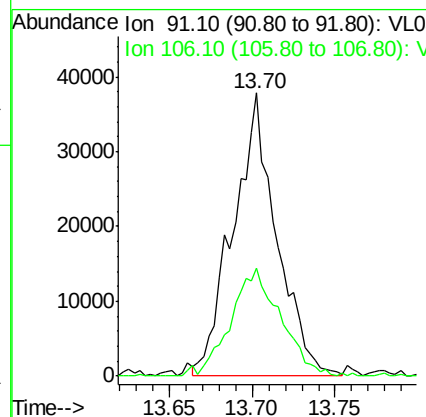
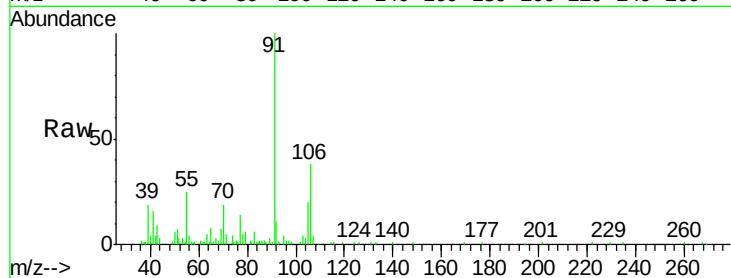
#60
o-Xylene
Concen: 0.239 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.03 min
Lab File: VL035070.D
Acq: 20 May 2020 7:57

Instrument :
MSVOA_L
ClientSampled :
SV2

Tot Ion: 91 Resp: 68921
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.5

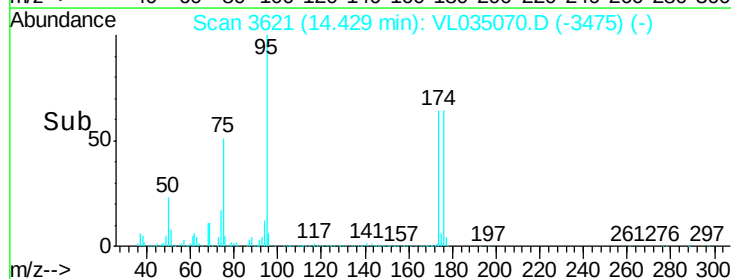
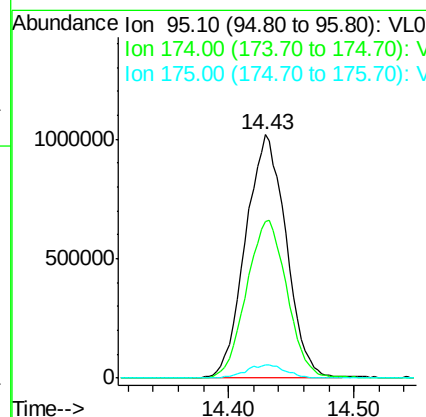
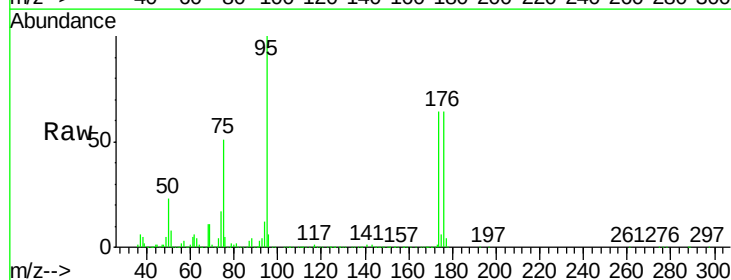
Manual Integrations
APPROVED

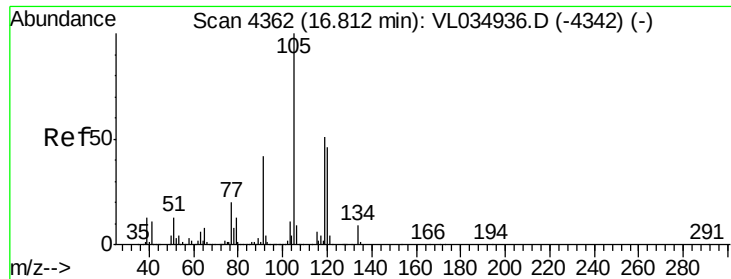
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.541 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. -0.03 min
Lab File: VL035070.D
Acq: 20 May 2020 7:57

Tgt Ion: 95 Resp: 2290997
Ion Ratio Lower Upper
95 100
174 65.1 51.5 77.3
175 5.3 3.8 5.8





#74

1,2,4-Trimethylbenzene

Concen: 0.218 ppbv m

RT: 16.79 min Scan# 4354

Delta R.T. -0.03 min

Lab File: VL035070.D

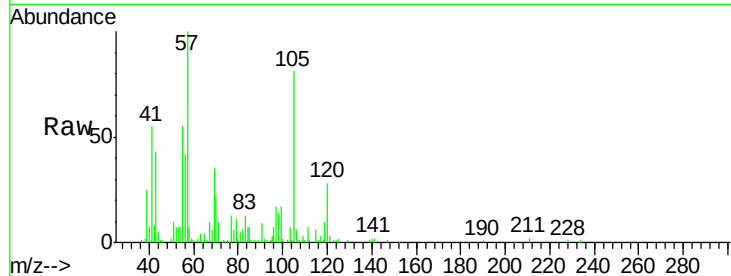
Acq: 20 May 2020 7:57

Instrument :

MSVOA_L

ClientSampleId :

SV2



Tot Ion	Ratio	Resp Lower	Resp Upper
105	100		
120	34.9	36.8	55.2#
91	10.9	35.4	53.0#
77	16.3	16.2	24.2

Manual Integrations
APPROVED

MMDadoda
5/20/2020 4:28:34 PM

