

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL040221\
 Data File : VL036659.D
 Acq On : 3 Apr 2021 00:13
 Operator : SY/AP
 Sample : M1853-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SOFF-SG-03

Manual Integrations
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Quant Time: Apr 03 07:21:34 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1303375	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3354089	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2968818	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.39	95	2353176	9.95	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.50%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.97	51	113145	0.465	ppbv	93
9) Propene	3.00	41	18742m	0.241	ppbv	
13) Ethanol	3.59	45	920446	99.564	ppbv	95
15) Acetone	3.84	43	238841	1.862	ppbv	92
19) Isopropyl Alcohol	3.95	45	1015414	14.389	ppbv #	95
20) Methylene Chloride	4.32	84	28935	0.482	ppbv #	86
23) Vinyl Acetate	5.09	43	60560m	0.276	ppbv	
26) Hexane	5.66	57	35628m	0.252	ppbv	
34) 2-Butanone	5.23	43	36078m	0.220	ppbv	
41) Tetrahydrofuran	6.03	42	28683m	0.380	ppbv	
53) Toluene	9.79	91	115703m	0.351	ppbv	
59) m/p-Xylene	12.94	91	35806m	0.095	ppbv	

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

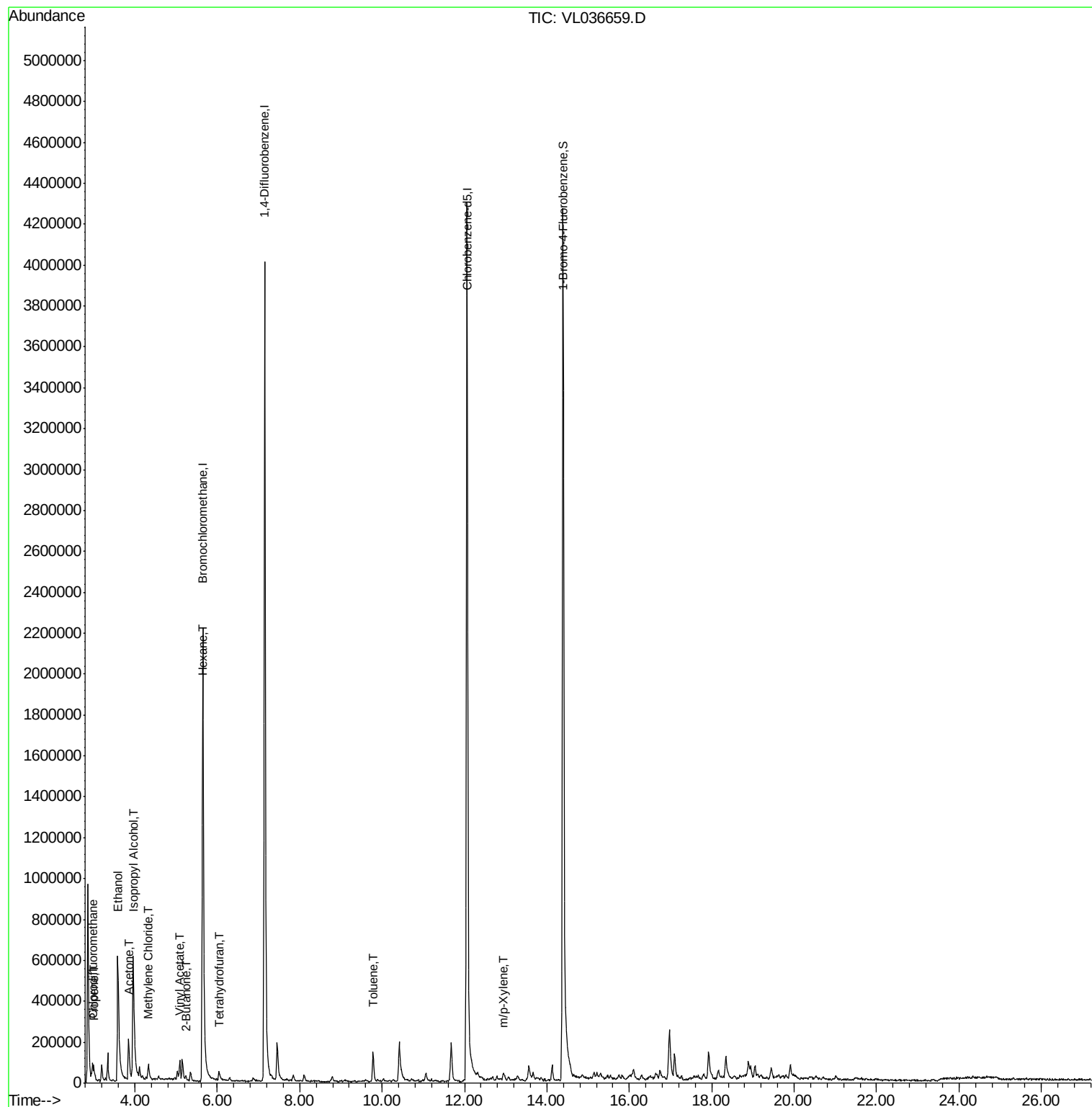
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL040221\
Data File : VL036659.D
Acq On : 3 Apr 2021 00:13
Operator : SY/AP
Sample : M1853-03DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

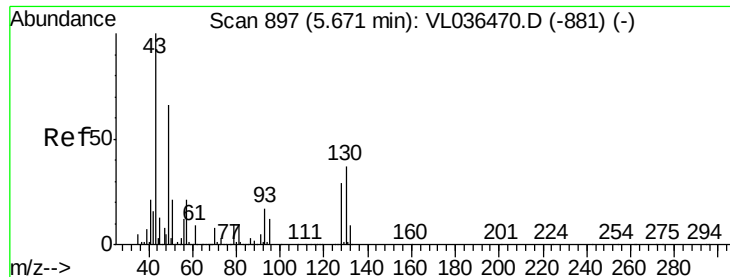
Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-03

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Quant Time: Apr 03 07:21:34 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.03 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampled :

SOFF-SG-03

Tot Ion: 49 Resp: 1303375

Ion Ratio Lower Upper

49 100

128 49.3 23.5 70.6

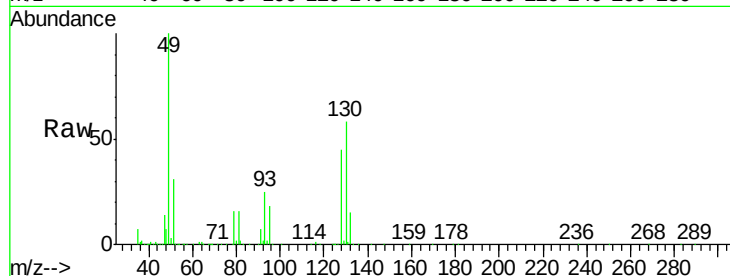
130 61.5 29.1 87.4

Manual Integrations

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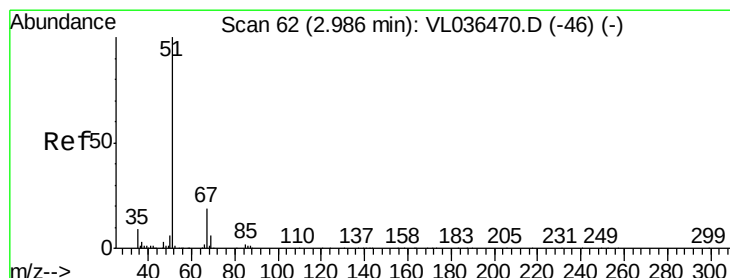
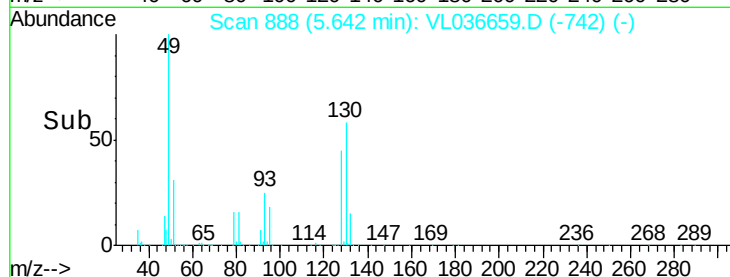
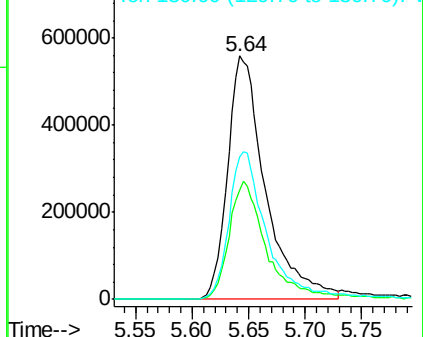
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#3

Chlorodifluoromethane

Concen: 0.465 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036659.D

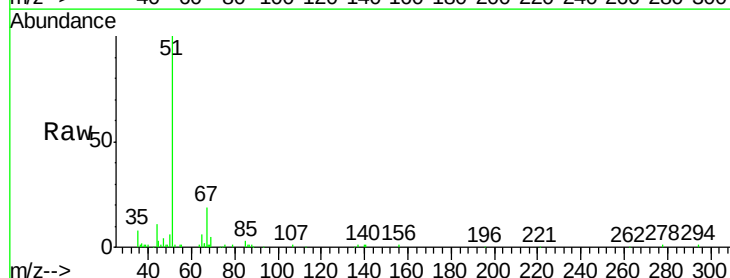
Acq: 3 Apr 2021 00:13

Tgt Ion: 51 Resp: 113145

Ion Ratio Lower Upper

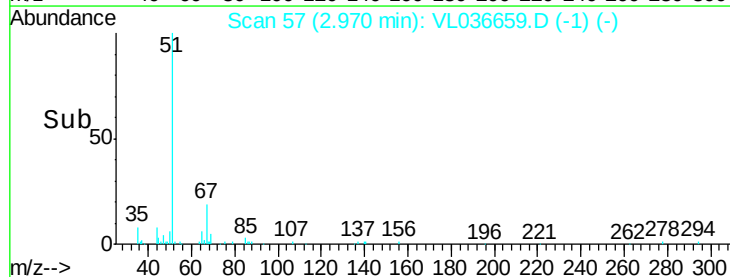
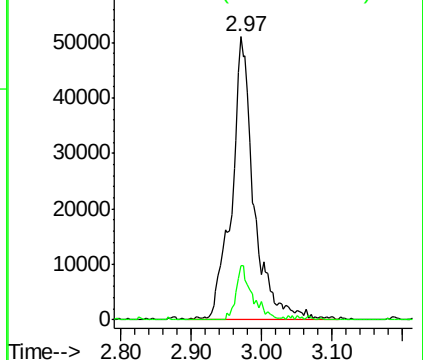
51 100

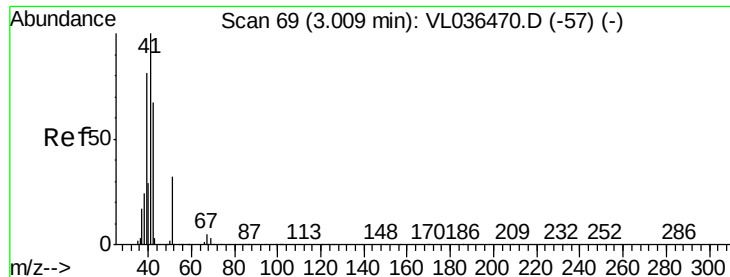
67 15.1 14.7 22.1



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.241 ppbv m

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampleId :

SOFF-SG-03

Tot Ion: 41 Resp: 18742

Ion Ratio Lower Upper

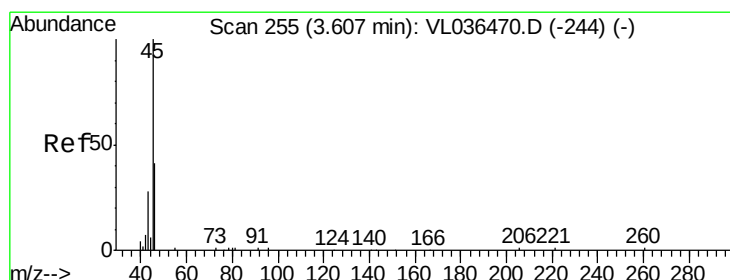
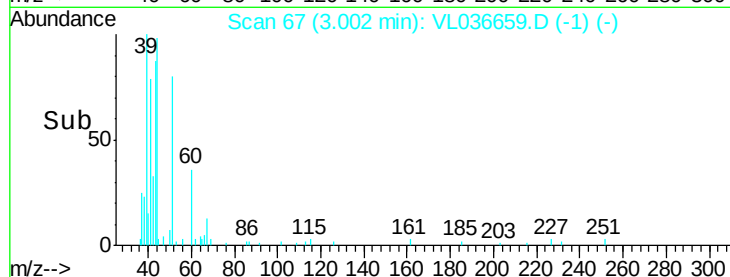
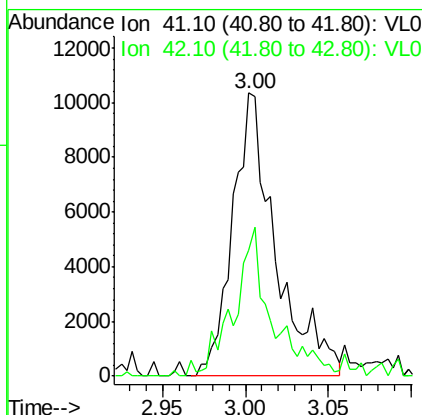
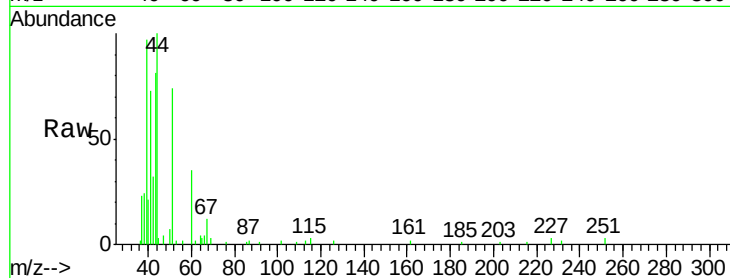
41 100

42 50.6 57.0 85.4#

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#13

Ethanol

Concen: 99.564 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL036659.D

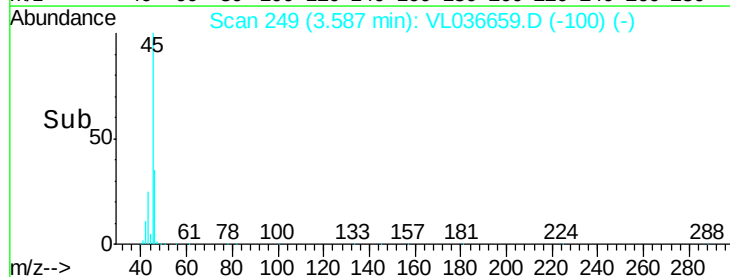
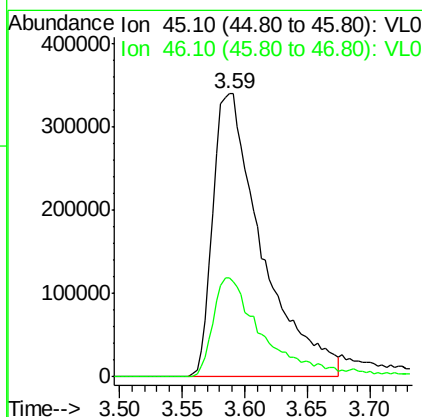
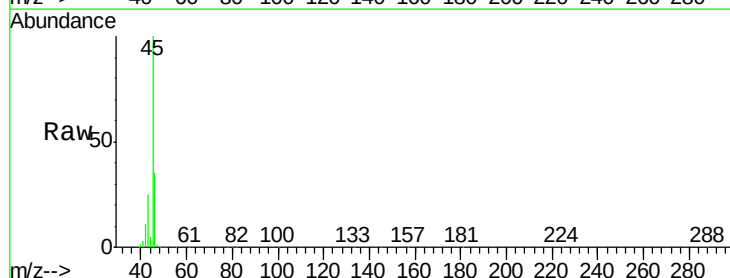
Acq: 3 Apr 2021 00:13

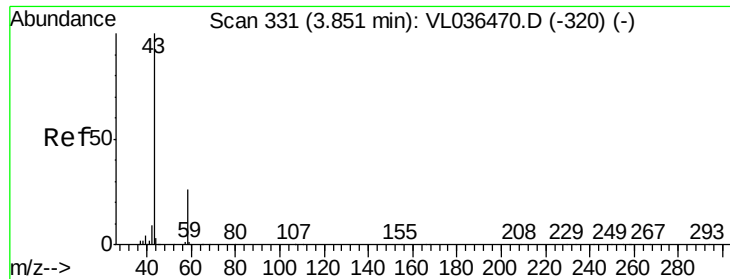
Tgt Ion: 45 Resp: 920446

Ion Ratio Lower Upper

45 100

46 38.0 16.6 66.2





#15

Acetone

Concen: 1.862 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampled :

SOFF-SG-03

Tot Ion: 43 Resp: 238841

Ion Ratio Lower Upper

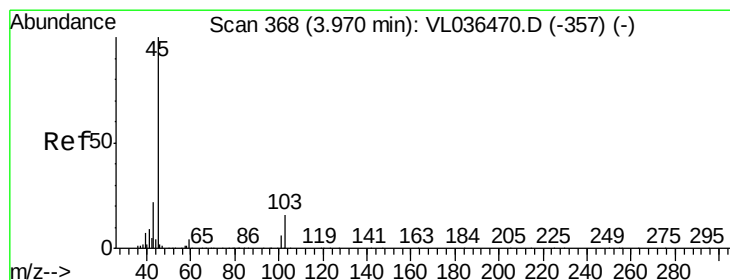
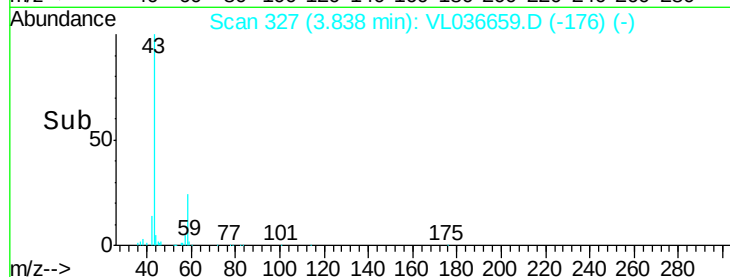
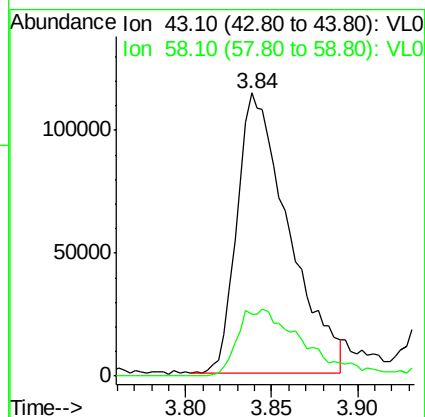
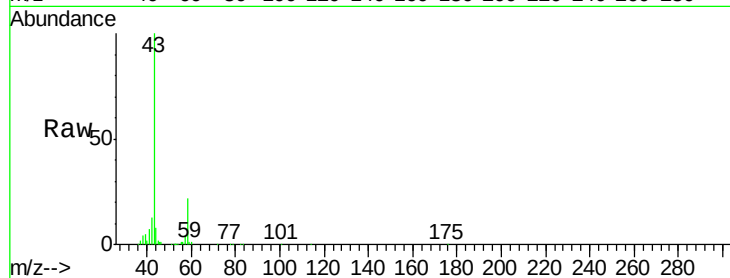
43 100

58 30.5 21.2 31.8

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#19

Isopropyl Alcohol

Concen: 14.389 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.02 min

Lab File: VL036659.D

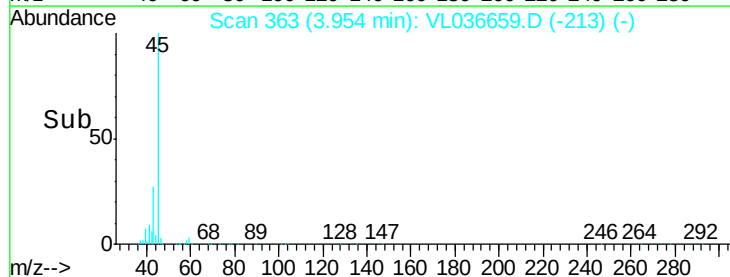
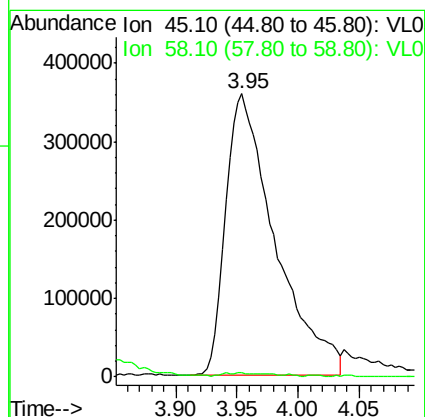
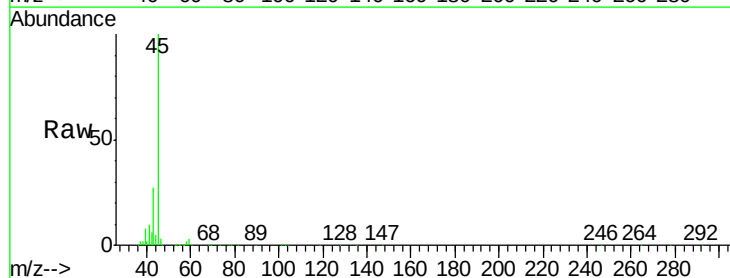
Acq: 3 Apr 2021 00:13

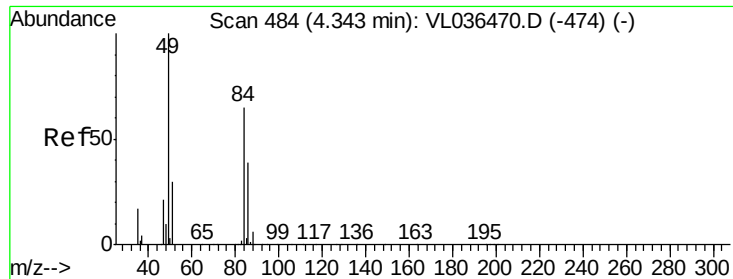
Tgt Ion: 45 Resp: 1015414

Ion Ratio Lower Upper

45 100

58 1.9 2.9 4.3#





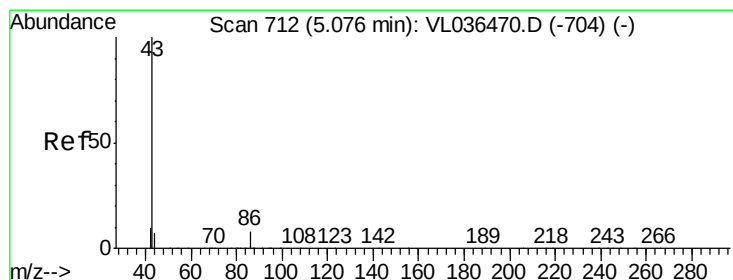
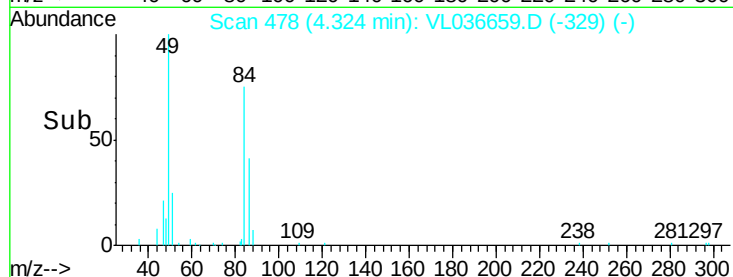
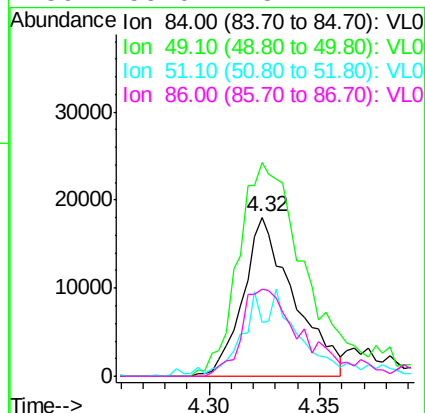
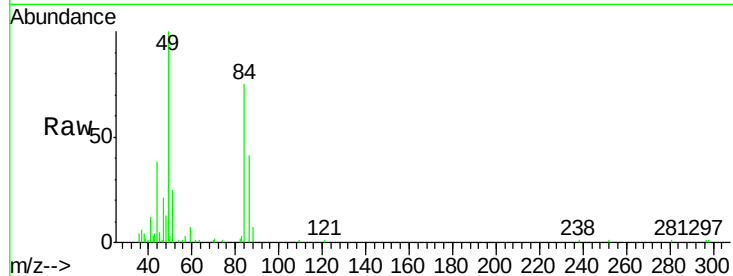
#20
Methylene Chloride
Concen: 0.482 ppbv
RT: 4.32 min Scan# 478
Delta R.T. -0.02 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-03

Tot Ion	84	Resp	28935
Ion	Ratio	Lower	Upper
84	100		
49	134.2	122.9	184.3
51	32.2	36.9	55.3#
86	55.0	48.2	72.4

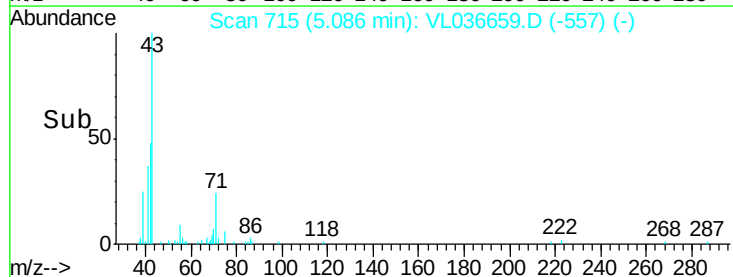
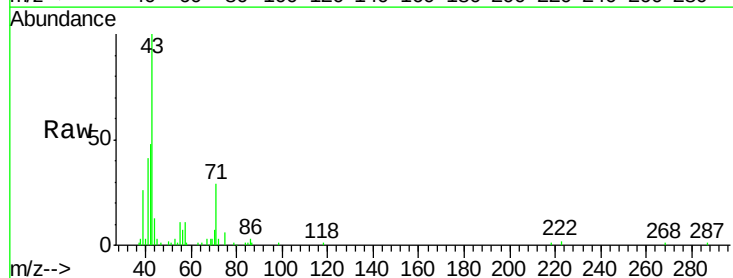
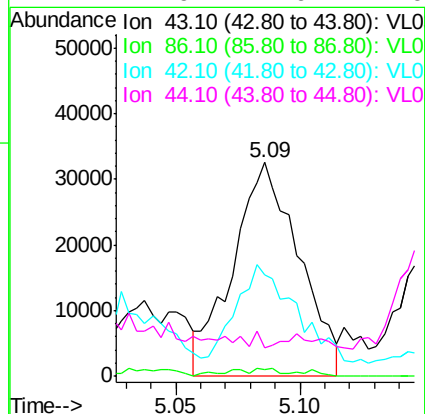
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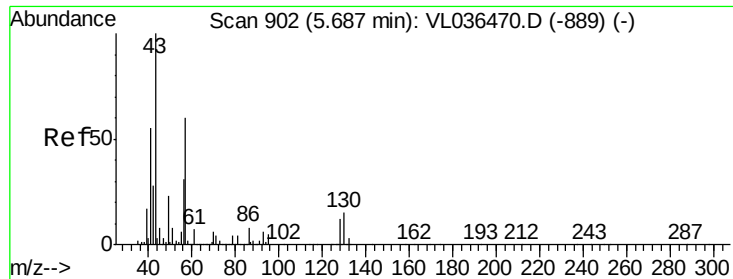
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#23
Vinyl Acetate
Concen: 0.276 ppbv m
RT: 5.09 min Scan# 715
Delta R.T. 0.01 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Tgt Ion	43	Resp	60560
Ion	Ratio	Lower	Upper
43	100		
86	3.1	5.4	8.0#
42	47.5	8.5	12.7#
44	12.9	4.6	7.0#





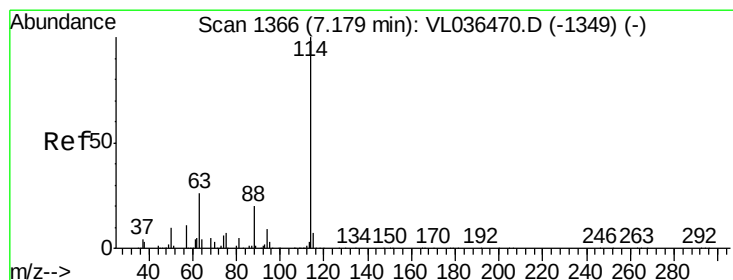
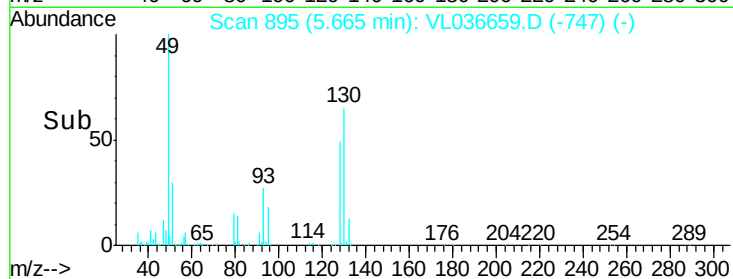
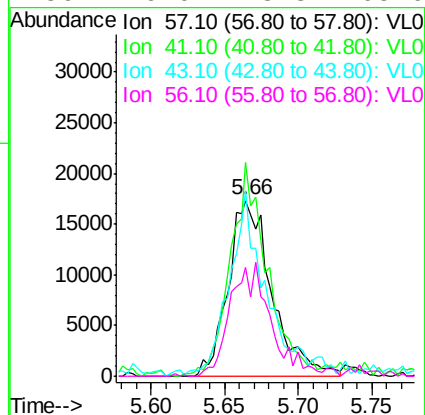
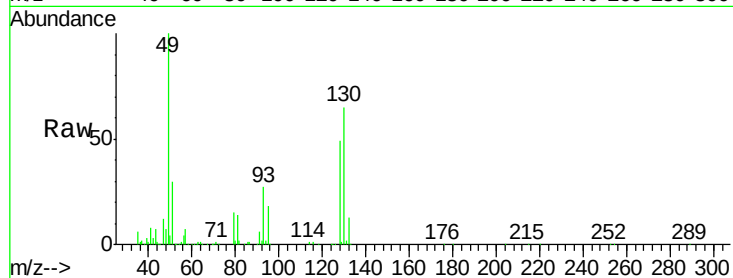
#26
Hexane
Concen: 0.252 ppbv m
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Instrument :
MSVOA_L
ClientSampleId :
SOFF-SG-03

Tot Ion	Ratio	Lower	Upper
57	100		
41	110.7	77.2	115.8
43	91.0	173.8	260.6#
56	0.0	43.8	65.6#

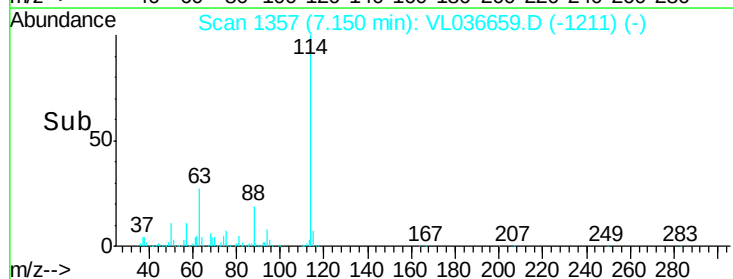
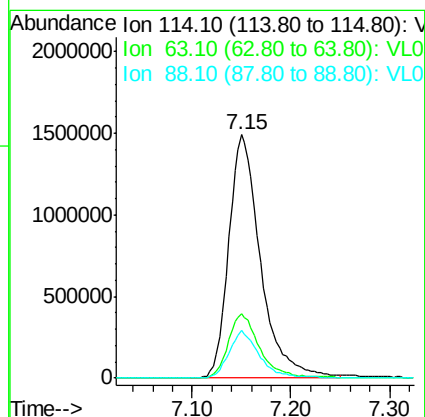
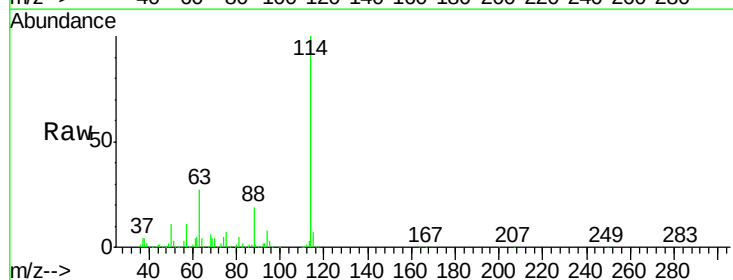
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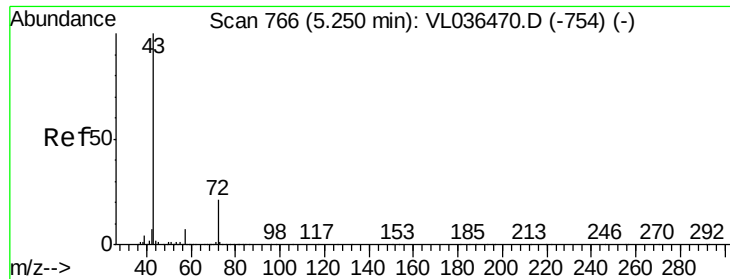
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.5	22.4	33.6
88	19.0	15.4	23.0





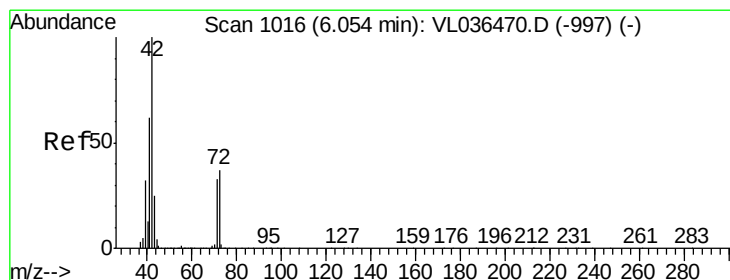
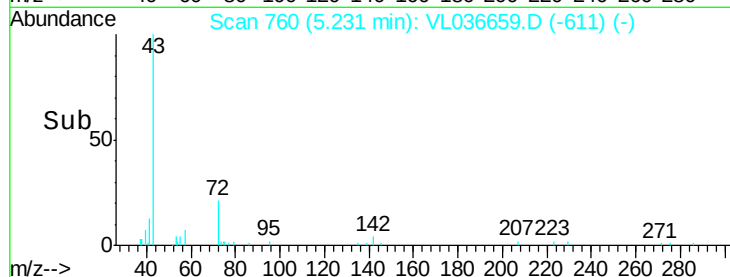
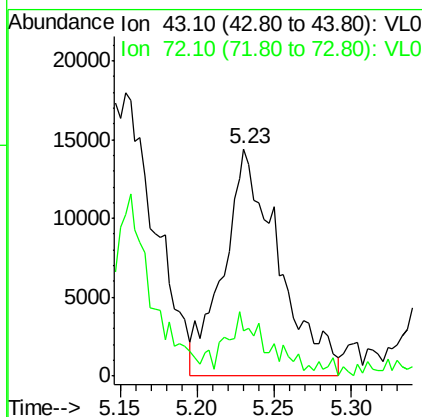
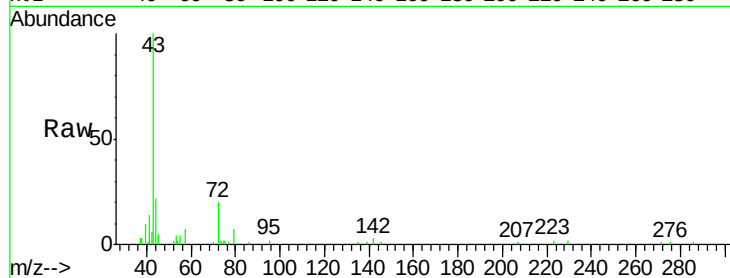
#34
2-Butanone
Concen: 0.220 ppbv m
RT: 5.23 min Scan# 760
Delta R.T. -0.02 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Instrument :
MSVOA_L
ClientSampled :
SOFF-SG-03

Tot Ion: 43 Resp: 36078
Ion Ratio Lower Upper
43 100
72 23.3 17.0 25.6

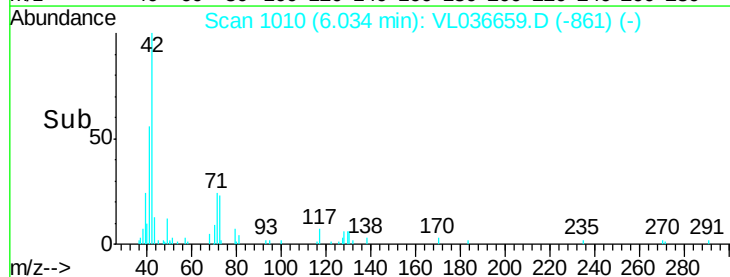
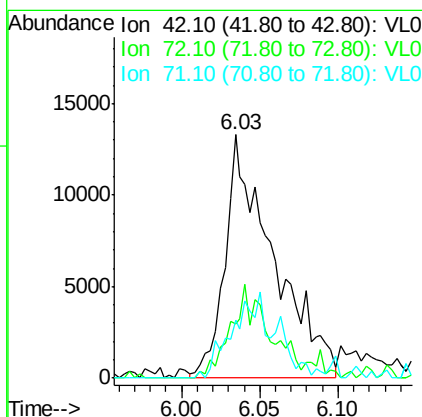
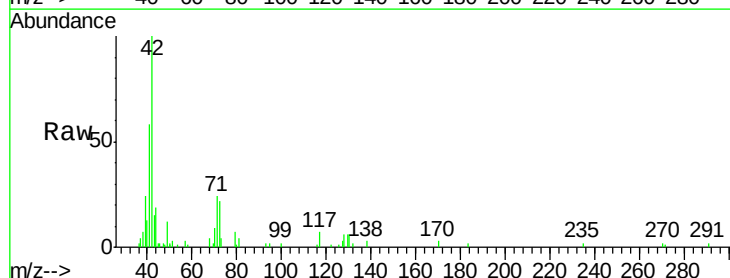
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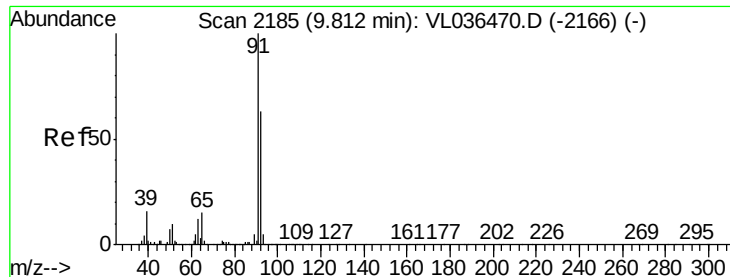
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#41
Tetrahydrofuran
Concen: 0.380 ppbv m
RT: 6.03 min Scan# 1010
Delta R.T. -0.02 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Tgt Ion: 42 Resp: 28683
Ion Ratio Lower Upper
42 100
72 0.0 27.6 41.4#
71 0.0 27.0 40.4#





#53

Toluene

Concen: 0.351 ppbv m

RT: 9.79 min Scan# 2177

Delta R.T. -0.03 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

Instrument :

MSVOA_L

ClientSampled :

SOFF-SG-03

Tot Ion: 91 Resp: 115703

Ion Ratio Lower Upper

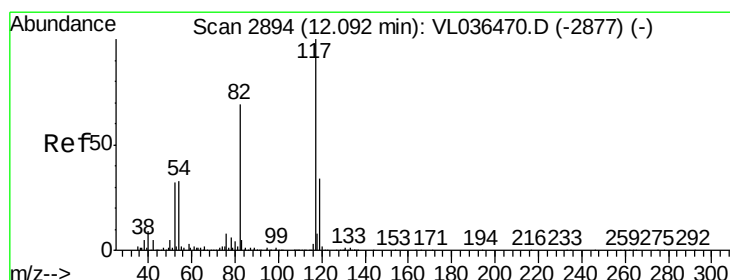
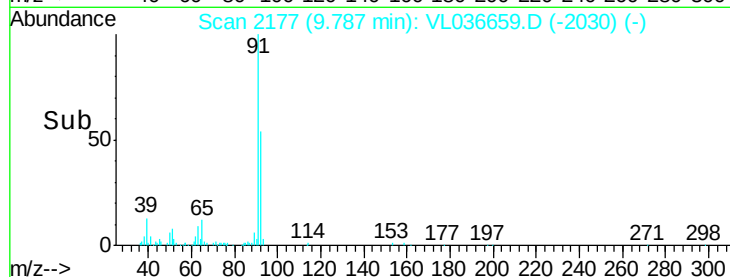
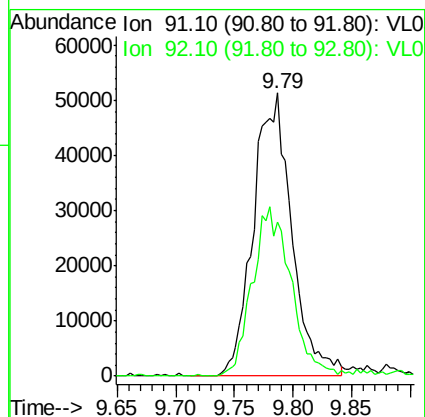
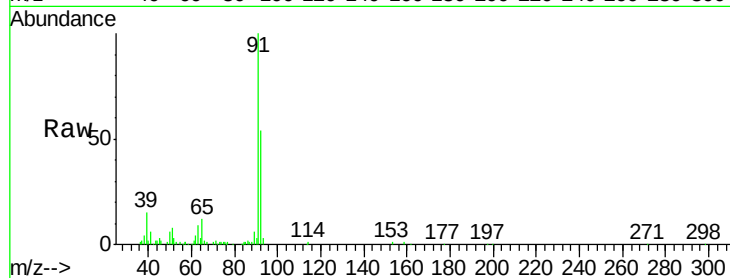
91 100

92 61.1 48.8 73.2

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL036659.D

Acq: 3 Apr 2021 00:13

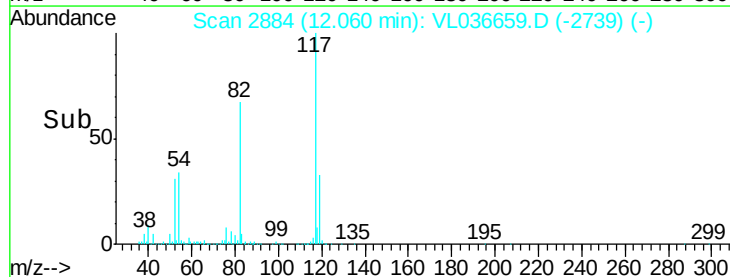
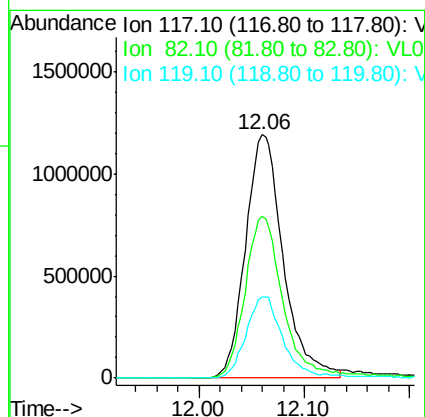
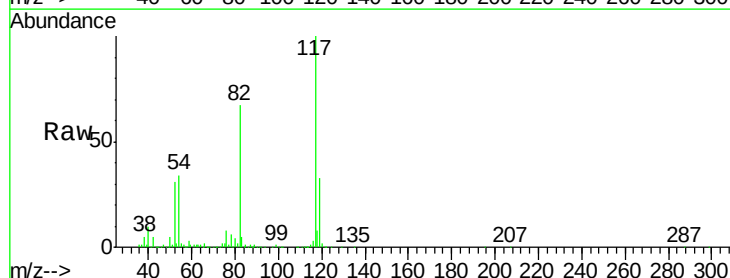
Tgt Ion: 117 Resp: 2968818

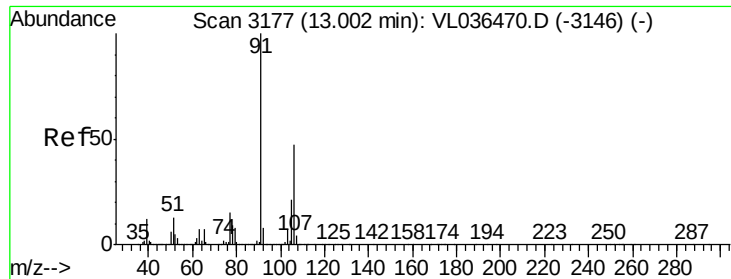
Ion Ratio Lower Upper

117 100

82 69.0 57.4 86.0

119 33.6 47.4 71.0#





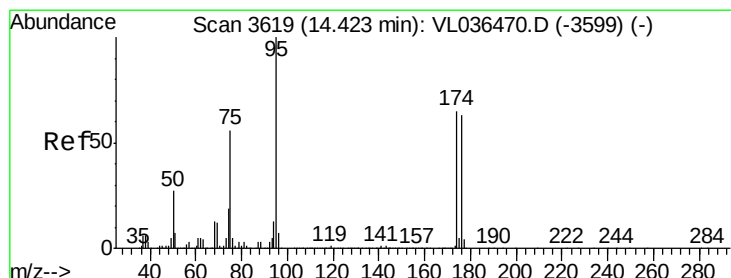
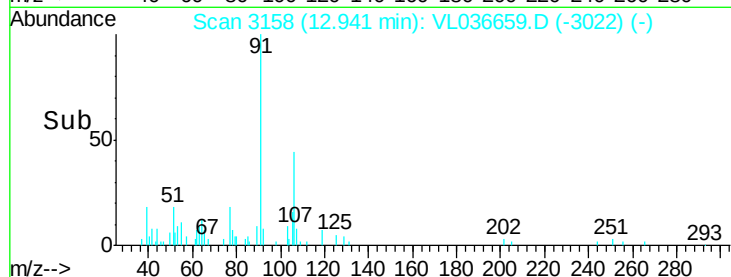
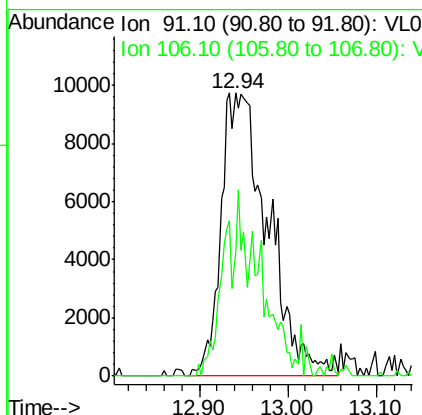
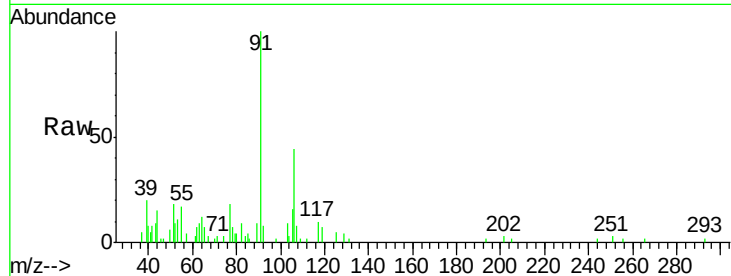
#59
m/p-Xylene
Concen: 0.095 ppbv m
RT: 12.94 min Scan# 3158
Delta R.T. -0.06 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Instrument :
MSVOA_L
ClientSampled :
SOFF-SG-03

Tot Ion: 91 Resp: 35806
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

Manual Integrations
APPROVED

apatel
4/5/2021 1:14:16 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.945 ppbv
RT: 14.39 min Scan# 3610
Delta R.T. -0.03 min
Lab File: VL036659.D
Acq: 3 Apr 2021 00:13

Tgt Ion: 95 Resp: 2353176
Ion Ratio Lower Upper
95 100
174 70.0 51.0 76.6
175 5.4 3.9 5.9

