

Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040221\
 Data File : VL036674.D
 Acq On : 3 Apr 2021 10:27
 Operator : SY/AP
 Sample : M1834-05DL DUP 60X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DL DUP

Manual Integrations
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Quant Time: Apr 05 01:21:52 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	1084186	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	2876590	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2559446	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.38	95	1996216	9.79	ppbv	-0.04	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.90%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	67641	1.047	ppbv	88
10) Heptane	8.10	43	365491	2.222	ppbv #	28
13) Ethanol	3.61	45	22878m	2.975	ppbv	
15) Acetone	3.85	43	1940246	18.183	ppbv #	77
26) Hexane	5.66	57	485425	4.123	ppbv #	45
30) Cyclohexane	7.11	84	162587m	1.703	ppbv	
34) 2-Butanone	5.22	43	1552057	11.053	ppbv	98
36) Benzene	6.86	78	291555	1.099	ppbv	97
44) 2,2,4-Trimethylpentane	7.84	57	7935547	16.995	ppbv	96
53) Toluene	9.77	91	220562	0.781	ppbv	97
58) Ethyl Benzene	12.68	91	256702	0.689	ppbv #	89
59) m/p-Xylene	12.94	91	306107m	0.942	ppbv	
60) o-Xylene	13.66	91	71156m	0.227	ppbv	

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

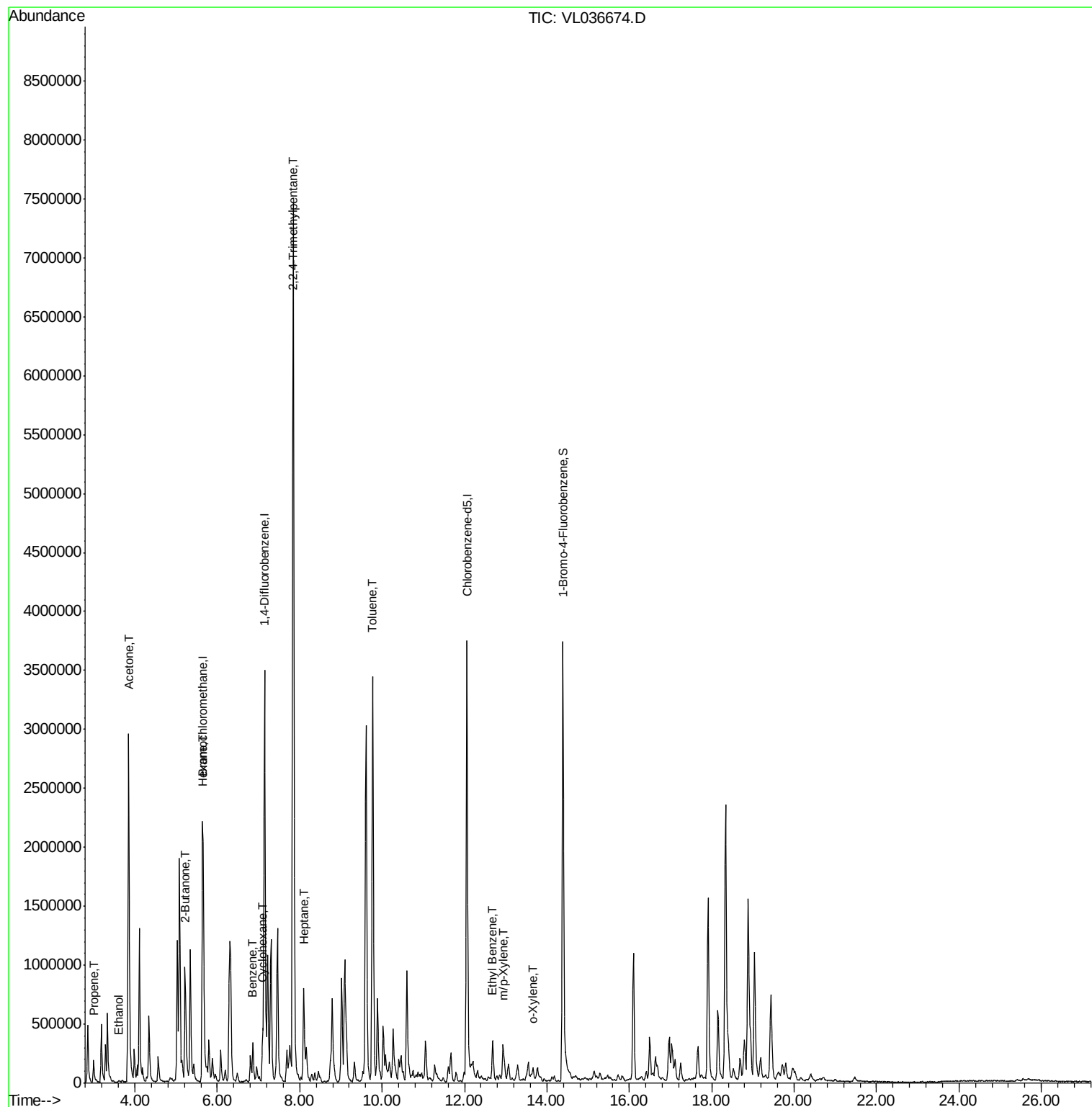
Data Path : Z:\voasrv\HPCHEM1\MSVOA L\Data\VL040221\
Data File : VL036674.D
Acq On : 3 Apr 2021 10:27
Operator : SY/AP
Sample : M1834-05DLDUP 60X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

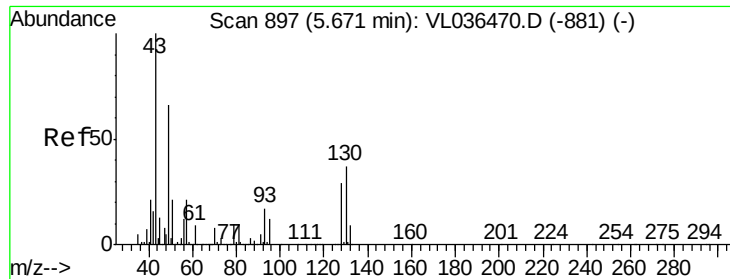
Instrument :
MSVOA_L
ClientSampleId :
SV5DLDUP

Manual Integrations
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Quant Time: Apr 05 01:21:52 2021
Quant Method : Z:\VOASRV\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# 887

Delta R.T. -0.03 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Instrument :

MSVOA_L

ClientSampled :

SV5DLDUP

Tot Ion: 49 Resp: 1084186

Ion Ratio Lower Upper

49 100

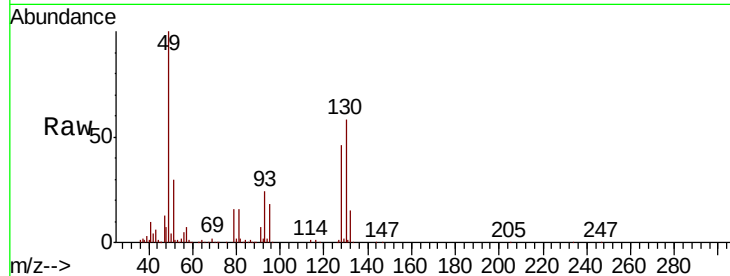
128 48.9 23.5 70.6

130 63.7 29.1 87.4

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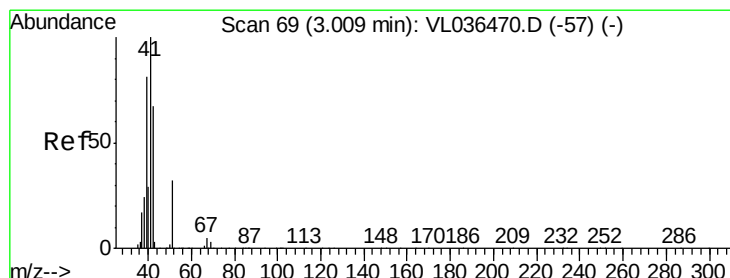
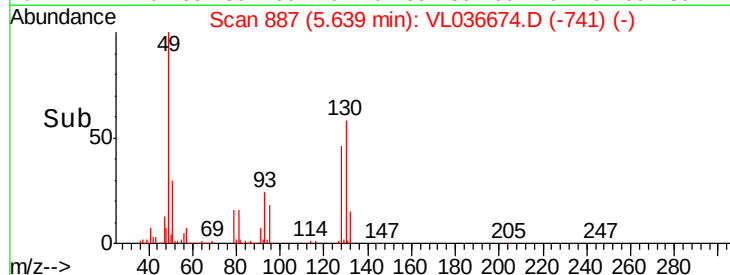
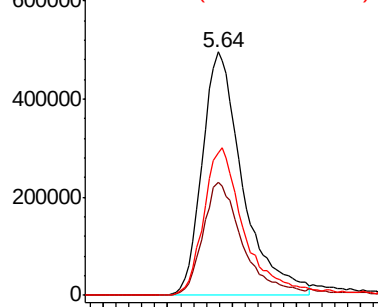
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 1.047 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036674.D

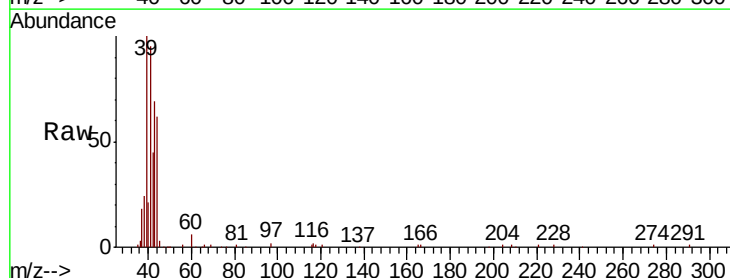
Acq: 3 Apr 2021 10:27

Tgt Ion: 41 Resp: 67641

Ion Ratio Lower Upper

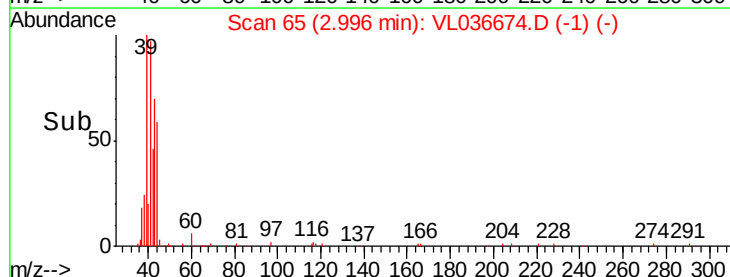
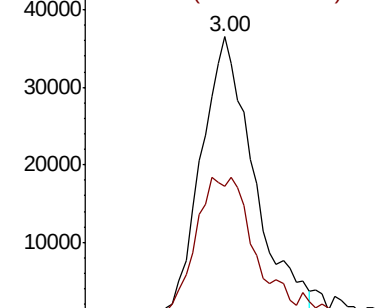
41 100

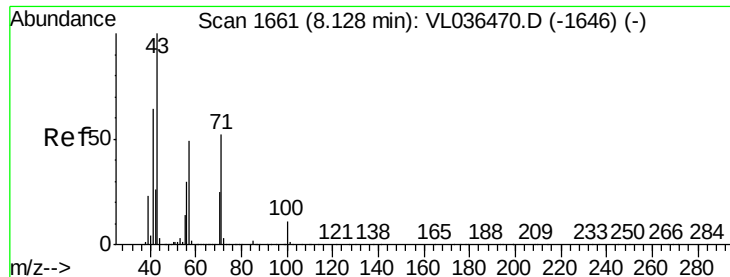
42 61.5 57.0 85.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





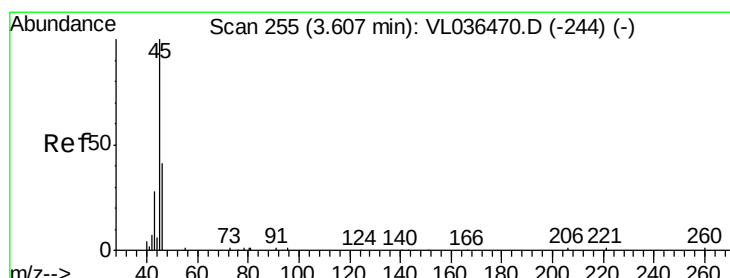
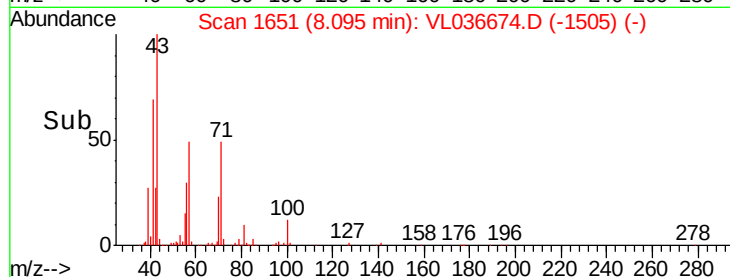
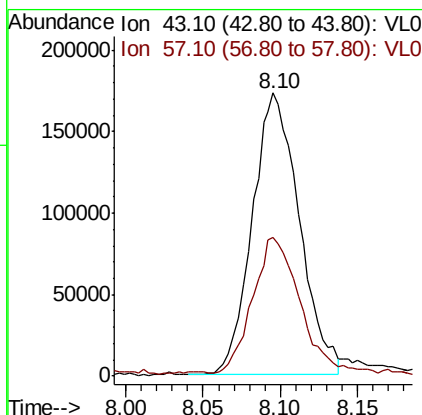
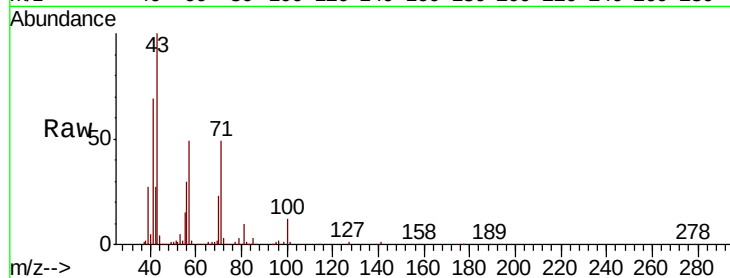
#10
Heptane
Concen: 2.222 ppbv
RT: 8.10 min Scan# 1651
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
SV5DLDUP

Tot Ion: 43 Resp: 365491
Ion Ratio Lower Upper
43 100
57 0.0 39.0 58.6#

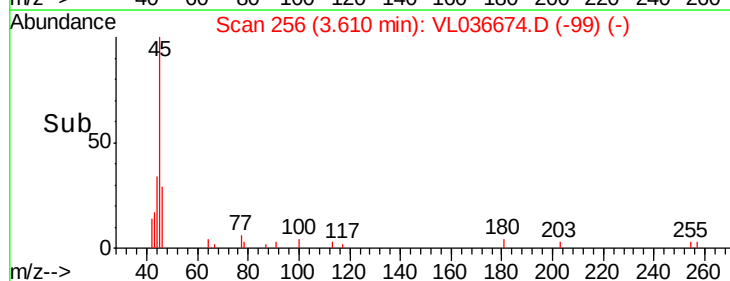
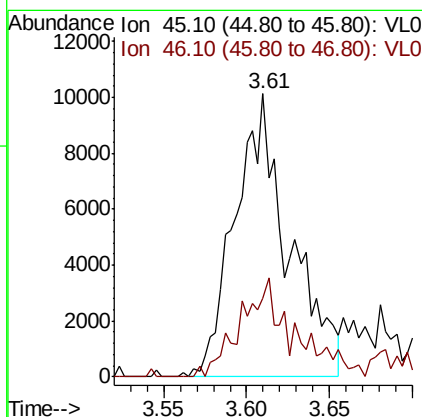
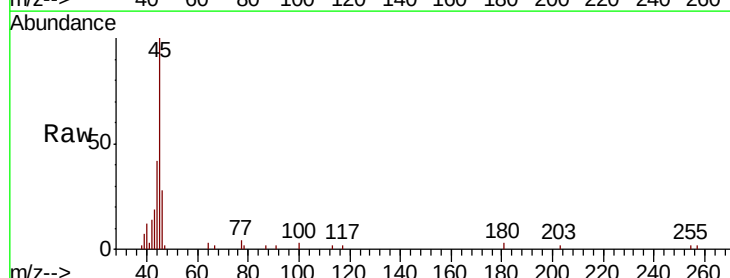
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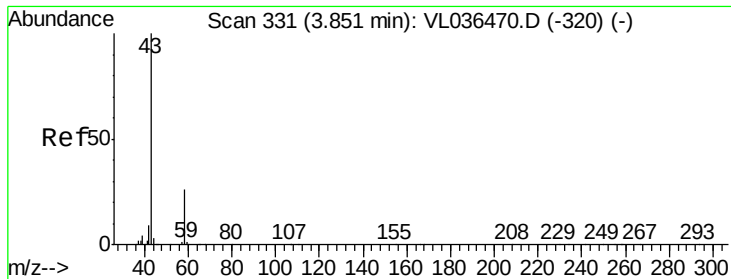
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#13
Ethanol
Concen: 2.975 ppbv m
RT: 3.61 min Scan# 256
Delta R.T. 0.00 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion: 45 Resp: 22878
Ion Ratio Lower Upper
45 100
46 0.0 16.6 66.2#





#15

Acetone

Concen: 18.183 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Instrument :

MSVOA_L

ClientSampleId :

SV5DLDUP

Tot Ion: 43 Resp: 1940246

Ion Ratio Lower Upper

43 100

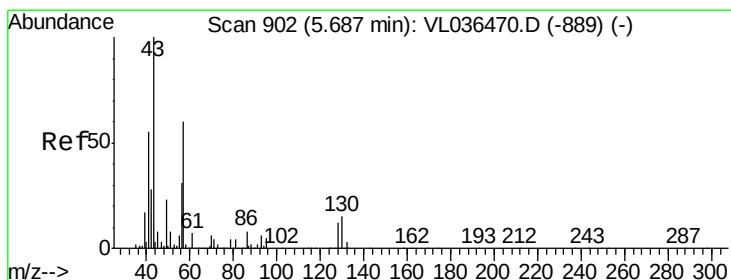
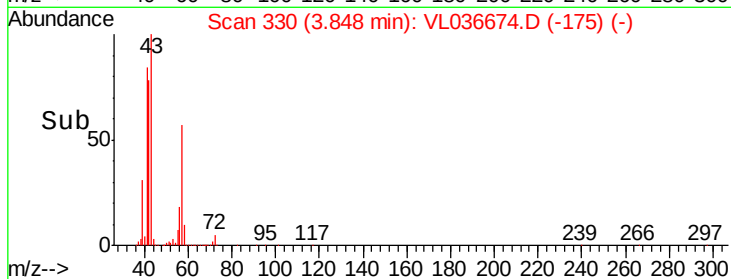
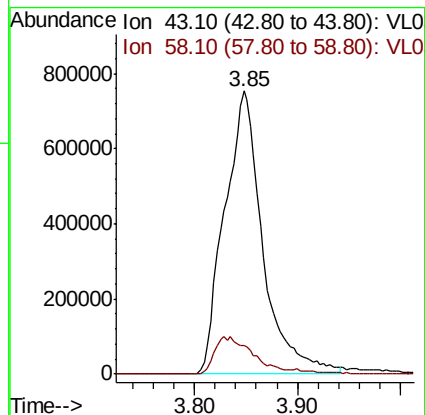
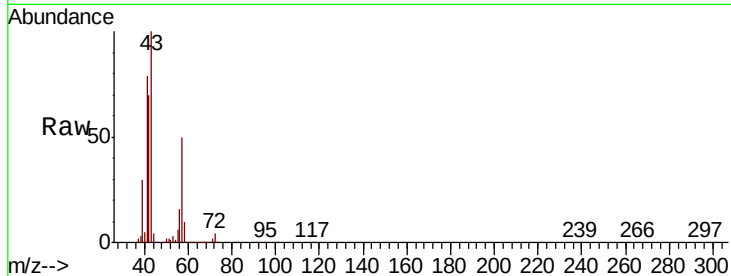
58 14.6 21.2 31.8#

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#26

Hexane

Concen: 4.123 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.03 min

Lab File: VL036674.D

Acq: 3 Apr 2021 10:27

Tgt Ion: 57 Resp: 485425

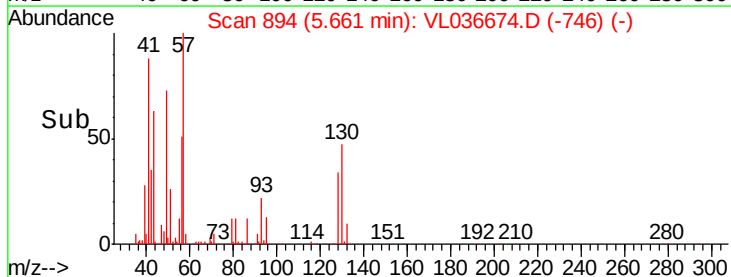
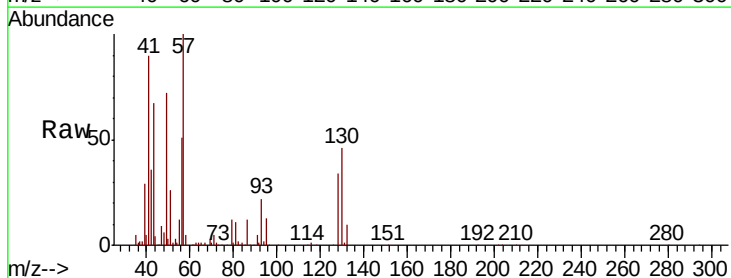
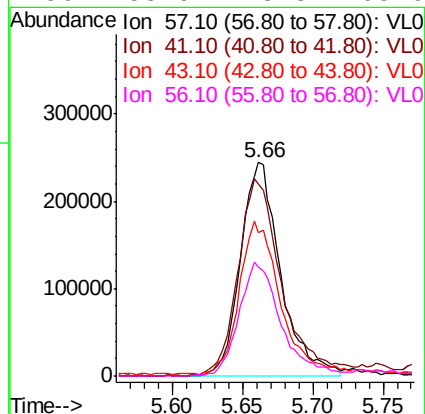
Ion Ratio Lower Upper

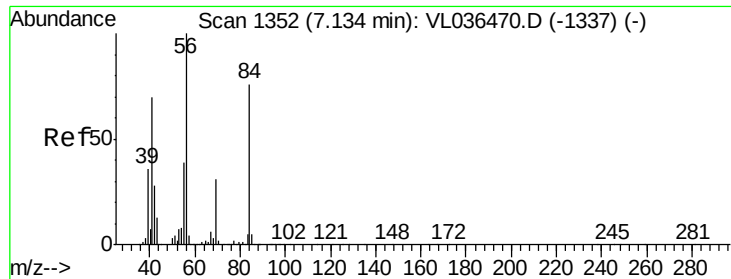
57 100

41 106.2 77.2 115.8

43 75.9 173.8 260.6#

56 55.9 43.8 65.6





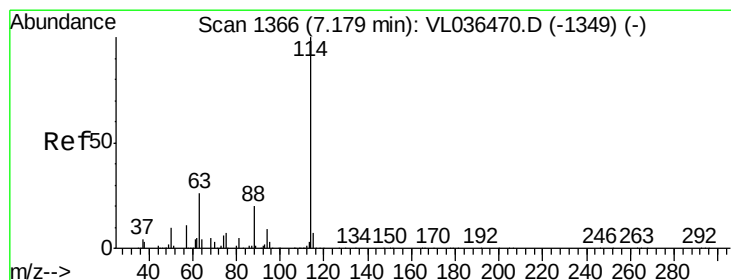
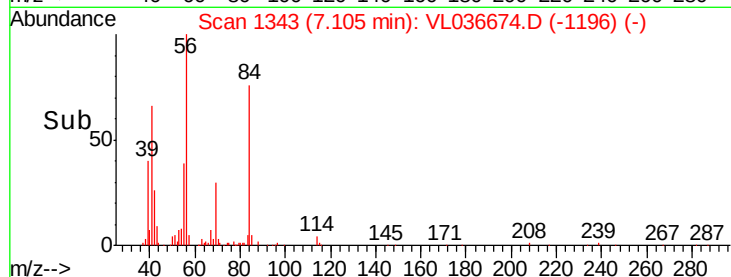
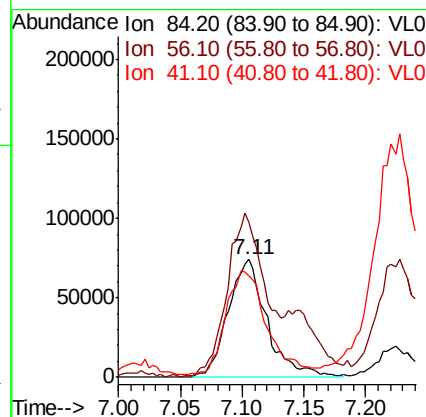
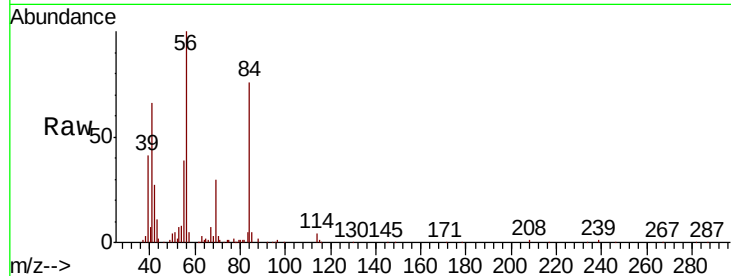
#30
Cyclohexane
Concen: 1.703 ppbv m
RT: 7.11 min Scan# 1343
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
SV5DLDUP

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	114.6	171.8#
41	0.0	75.3	112.9#

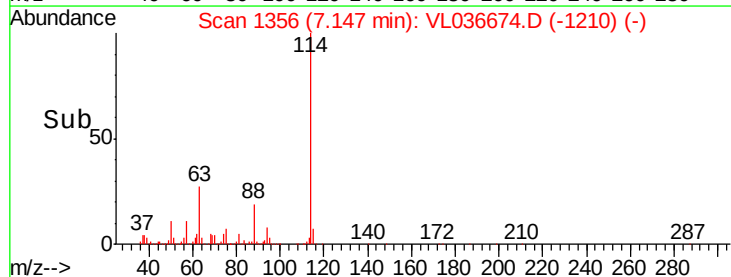
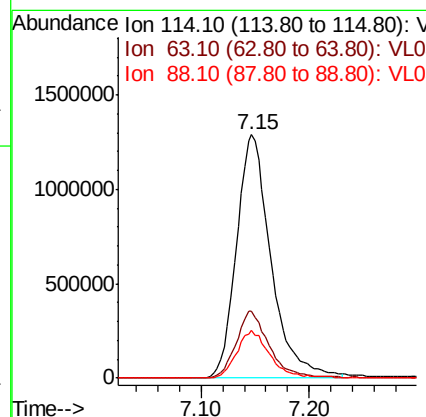
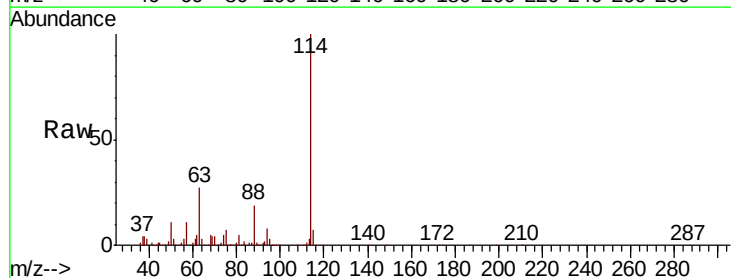
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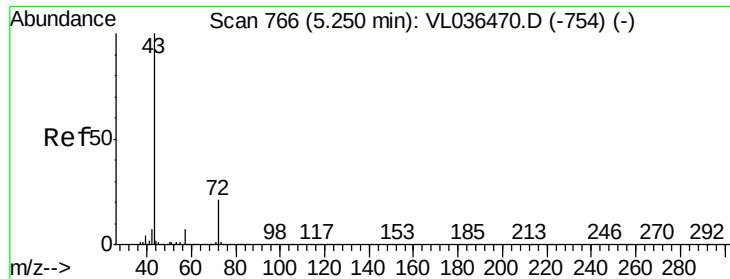
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1356
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.9	22.4	33.6
88	18.9	15.4	23.0





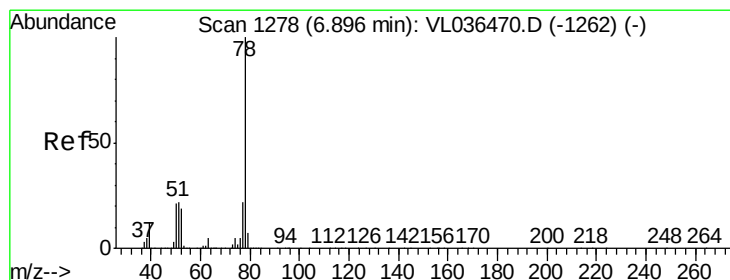
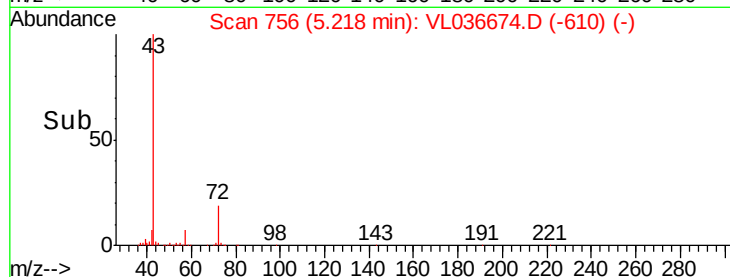
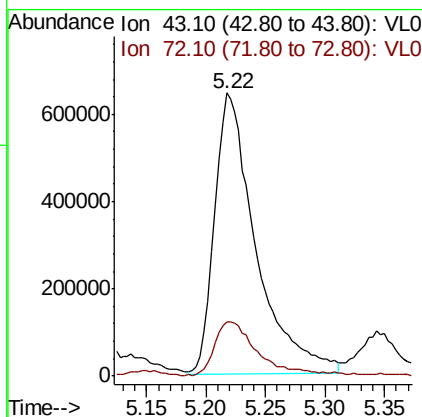
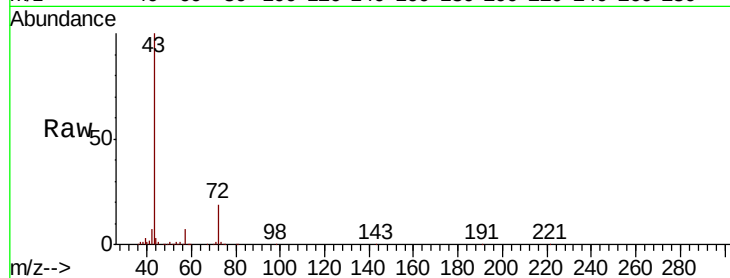
#34
2-Butanone
Concen: 11.053 ppbv
RT: 5.22 min Scan# 756
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Instrument :
MSVOA_L
ClientSampleId :
SV5DLDUP

Tot Ion: 43 Resp: 1552057
Ion Ratio Lower Upper
43 100
72 20.6 17.0 25.6

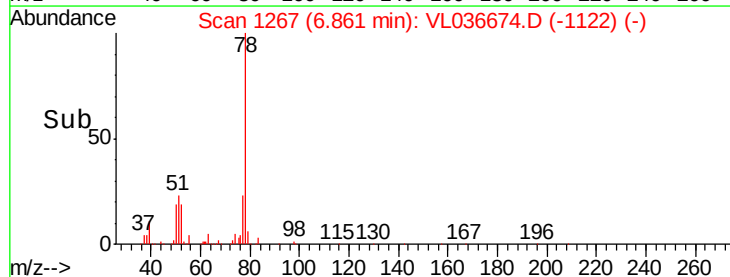
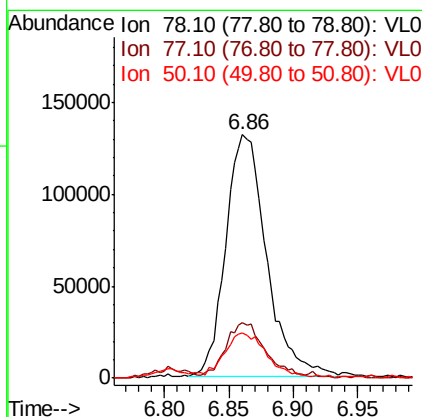
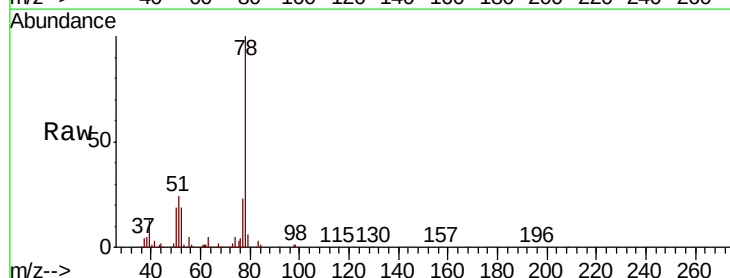
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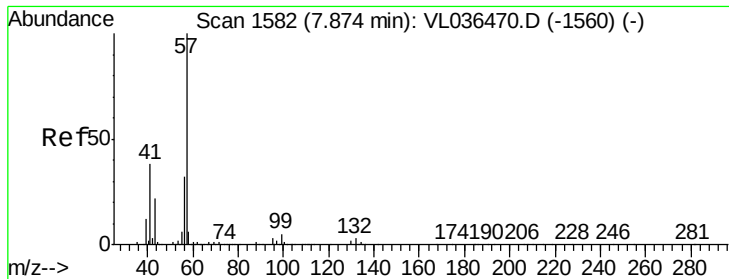
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#36
Benzene
Concen: 1.099 ppbv
RT: 6.86 min Scan# 1267
Delta R.T. -0.04 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion: 78 Resp: 291555
Ion Ratio Lower Upper
78 100
77 22.7 18.0 27.0
50 18.2 16.5 24.7





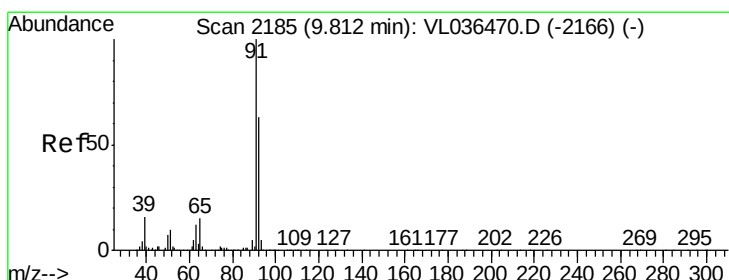
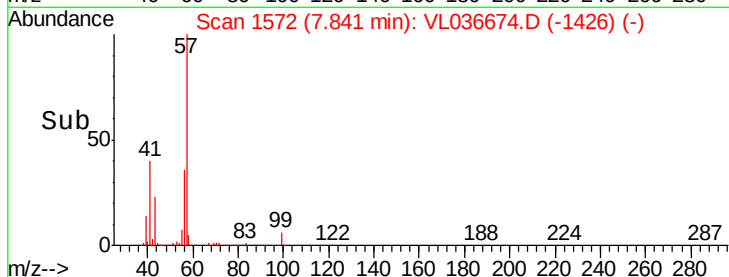
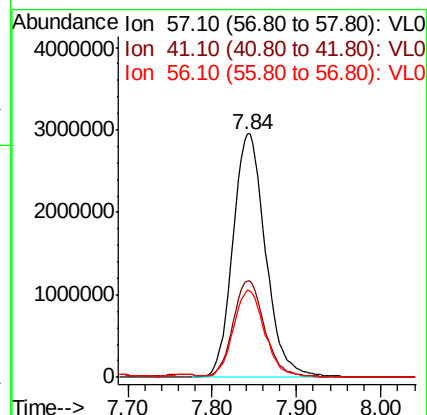
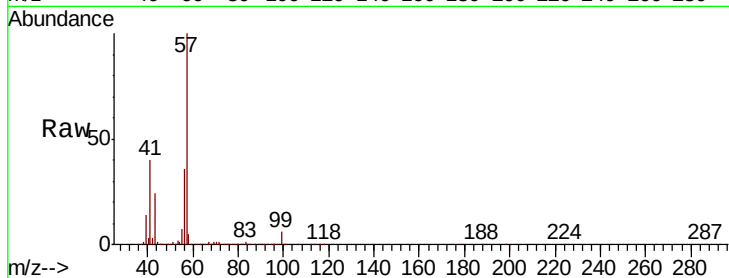
#44
 2,2,4-Trimethylpentane
 Concen: 16.995 ppbv
 RT: 7.84 min Scan# 1572
 Delta R.T. -0.03 min
 Lab File: VL036674.D
 Acq: 3 Apr 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DLDUP

Tot Ion	Ratio	Lower	Upper
57	100		
41	38.9	28.8	43.2
56	34.7	26.1	39.1

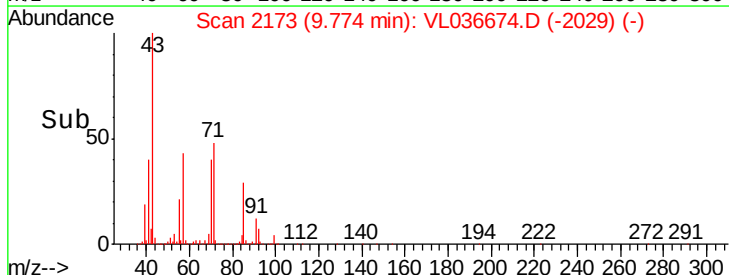
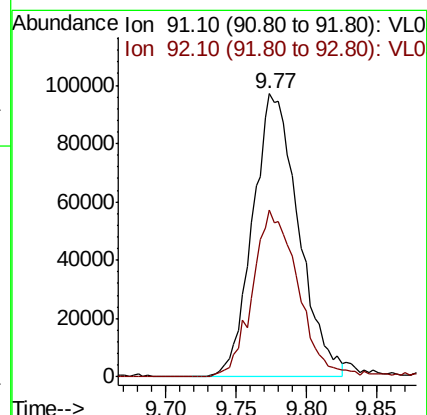
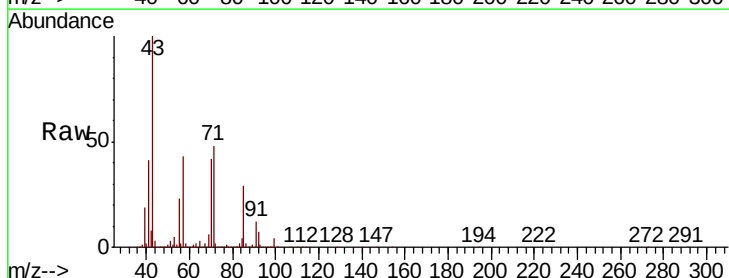
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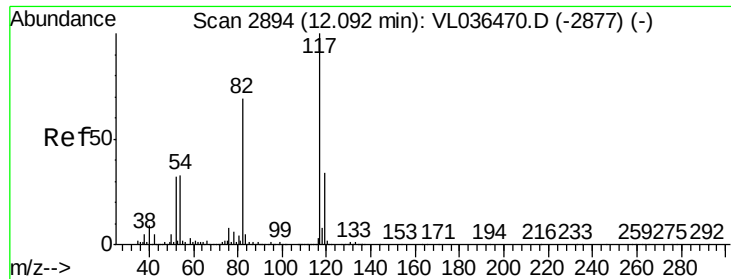
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#53
 Toluene
 Concen: 0.781 ppbv
 RT: 9.77 min Scan# 2173
 Delta R.T. -0.04 min
 Lab File: VL036674.D
 Acq: 3 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	58.8	48.8	73.2





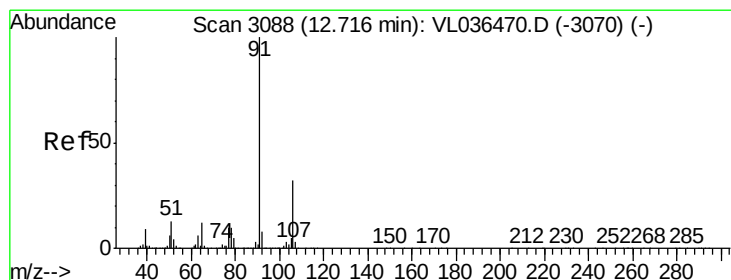
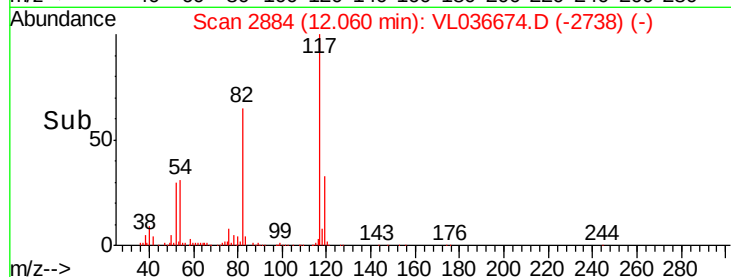
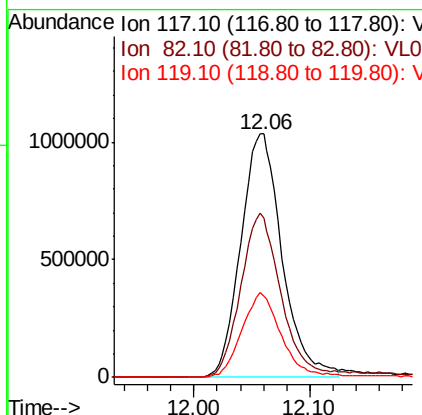
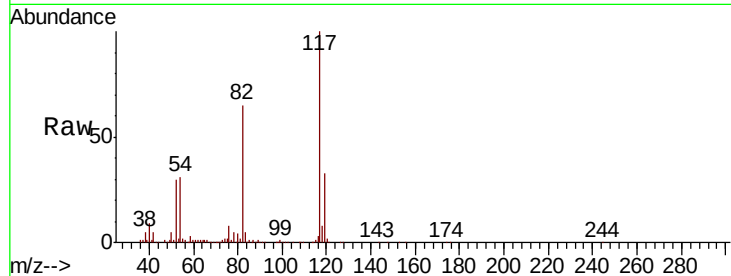
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Instrument :
MSVOA_L
ClientSampled :
SV5DLDUP

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.3	57.4	86.0
119	33.8	47.4	71.0#

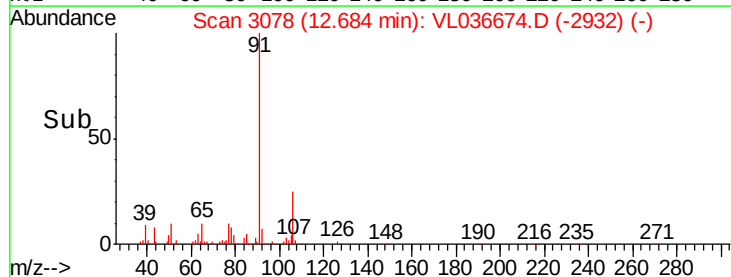
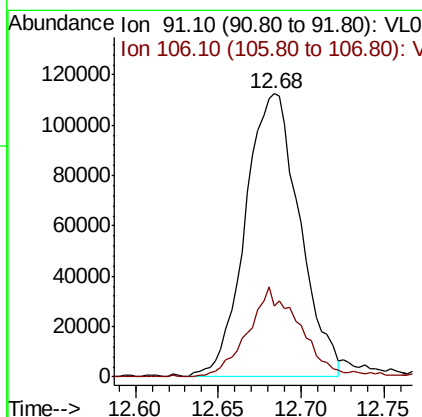
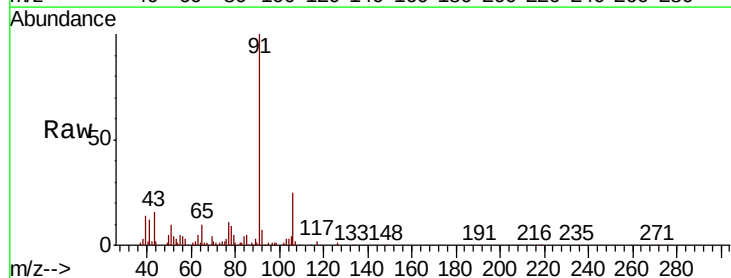
Manual Integrations
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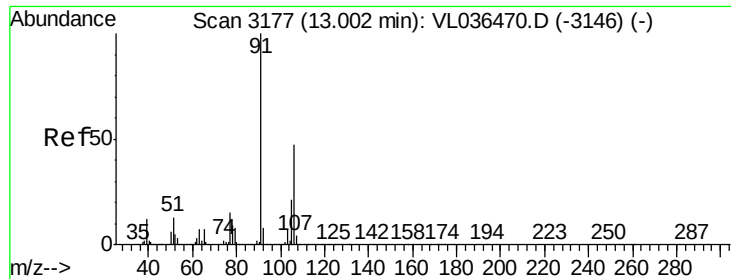
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#58
Ethyl Benzene
Concen: 0.689 ppbv
RT: 12.68 min Scan# 3078
Delta R.T. -0.03 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	25.3	25.3	37.9#





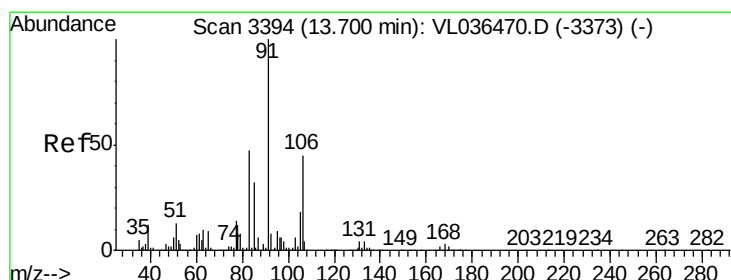
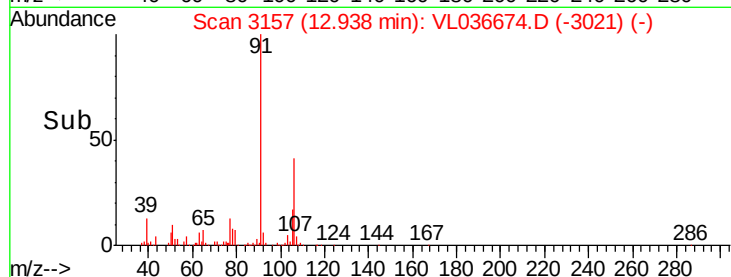
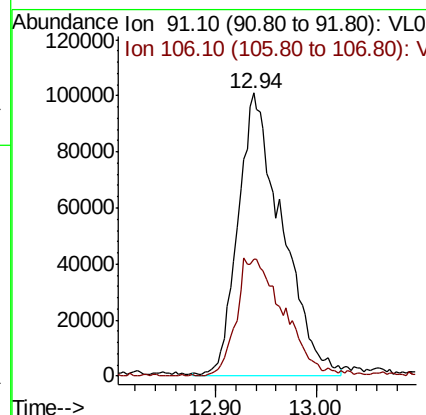
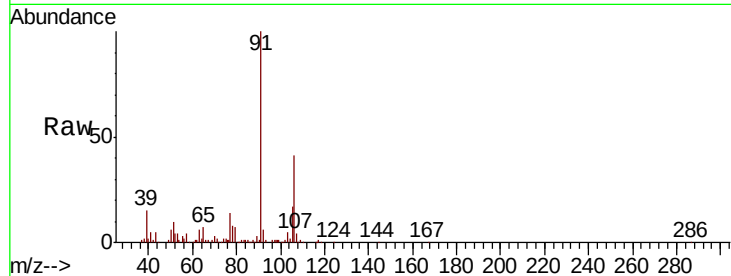
#59
m/p-Xylene
Concen: 0.942 ppbv m
RT: 12.94 min Scan# 3157
Delta R.T. -0.06 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Instrument :
MSVOA_L
ClientSampled :
SV5DLDUP

Tot Ion: 91 Resp: 306107
Ion Ratio Lower Upper
91 100
106 0.0 35.3 52.9#

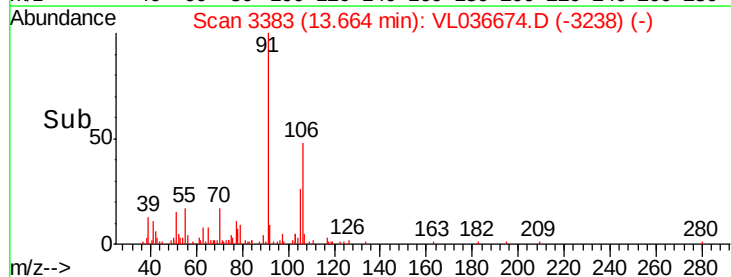
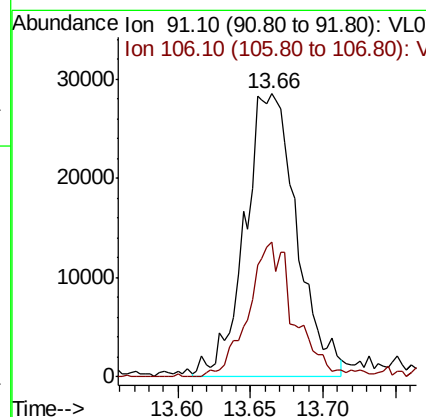
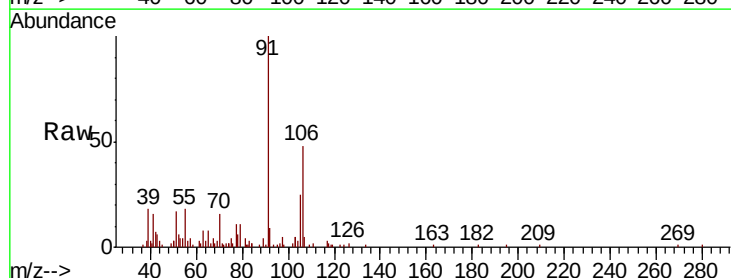
Manual Integrations
APPROVED

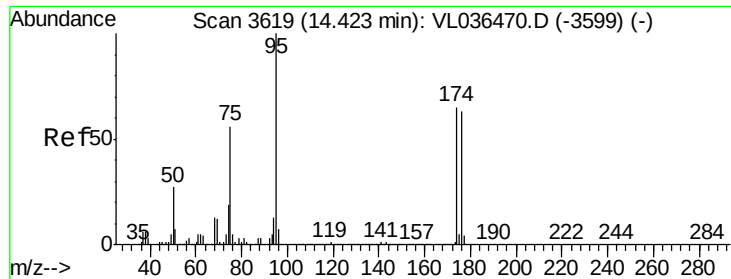
apatel
4/5/2021 1:14:35 PM



#60
o-Xylene
Concen: 0.227 ppbv m
RT: 13.66 min Scan# 3383
Delta R.T. -0.04 min
Lab File: VL036674.D
Acq: 3 Apr 2021 10:27

Tgt Ion: 91 Resp: 71156
Ion Ratio Lower Upper
91 100
106 41.6 22.3 66.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.786 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.04 min
 Lab File: VL036674.D
 Acq: 3 Apr 2021 10:27

Instrument :
 MSVOA_L
 ClientSampleId :
 SV5DLDUP

Tot Ion	Ratio	Lower	Upper
95	100		
174	73.4	51.0	76.6
175	5.7	3.9	5.9

Manual Integrations
 APPROVED

apatel
 4/5/2021 1:14:35 PM

