

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081921\
 Data File : VL037502.D
 Acq On : 19 Aug 2021 17:16
 Operator : SY/AP
 Sample : M3480-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-2DL

Manual Integrations
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 8/20/2021 6:31:11 PM

Quant Time: Aug 20 00:54:58 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug 17 2021
 QLast Update : Tue Aug 17 02:13:47 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1434408	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.18	114	4220786	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.09	117	3554738	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2486254	9.84	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.00	51	194351	0.708	ppbv #	85
9) Propene	3.03	41	18627m	0.190	ppbv	
13) Ethanol	3.61	45	631101	65.993	ppbv	98
15) Acetone	3.86	43	588352	4.030	ppbv	96
17) tert-Butyl alcohol	4.31	59	44405m	0.333	ppbv	
19) Isopropyl Alcohol	3.98	45	470673	5.628	ppbv #	1
20) Methylene Chloride	4.35	84	101671	1.391	ppbv	96
26) Hexane	5.69	57	128940	0.712	ppbv #	47
34) 2-Butanone	5.25	43	93973m	0.545	ppbv	
36) Benzene	6.89	78	281253	0.793	ppbv	97
38) Trichloroethene	7.84	130	7483m	0.051	ppbv	
53) Toluene	9.82	91	45161m	0.111	ppbv	
59) m/p-Xylene	12.97	91	147801m	0.346	ppbv	
62) Isopropylbenzene	14.67	105	108704m	0.193	ppbv	

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

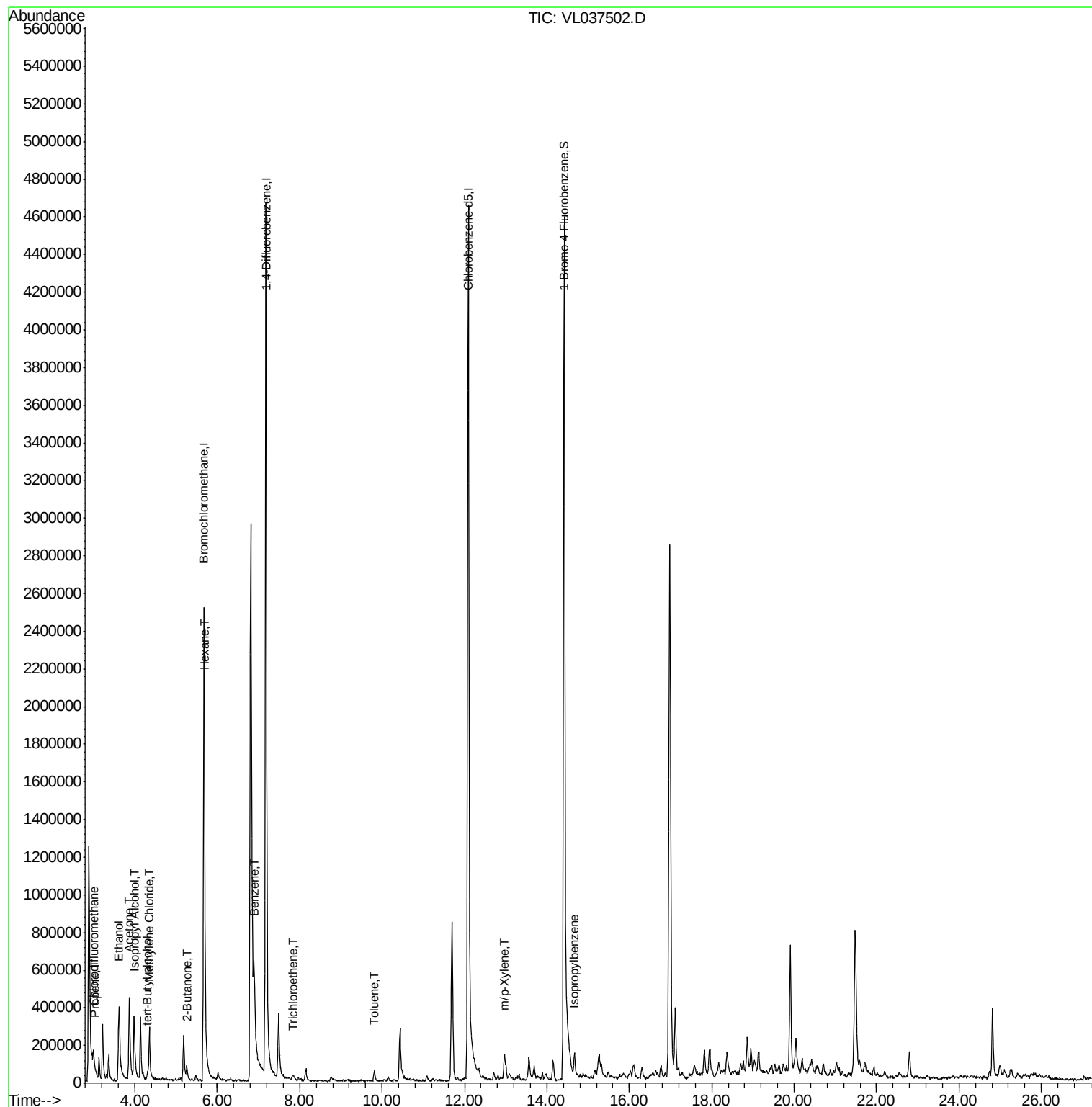
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081921\
Data File : VL037502.D
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Operator : SY/AP
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Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

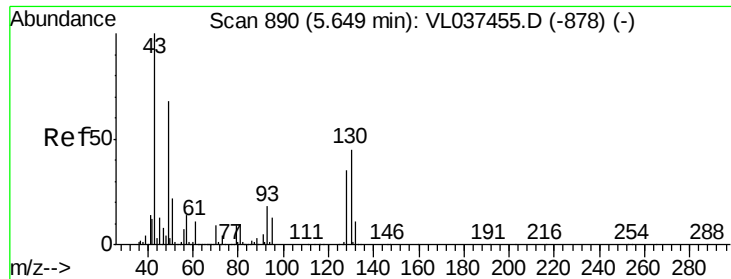
Instrument :
MSVOA_L
ClientSampleId :
SR-SG-2DL

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Quant Time: Aug 20 00:54:58 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081621AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Aug
QLast Update : Tue Aug 17 02:13:47 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 898

Delta R.T. 0.03 min

Lab File: VL037502.D

Acq: 19 Aug 2021 17:16

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-2DL

Tot Ion: 49 Resp: 1434408

Ion Ratio Lower Upper

49 100

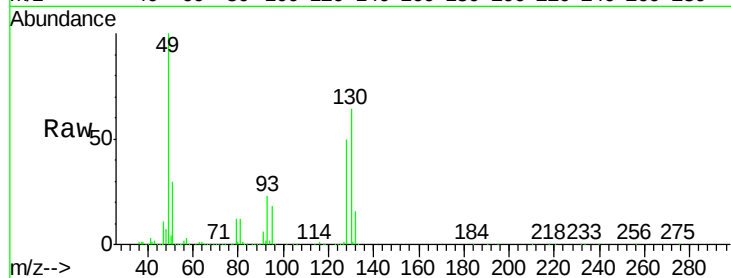
128 53.9 27.5 82.4

130 69.1 34.0 101.8

Manual Integrations
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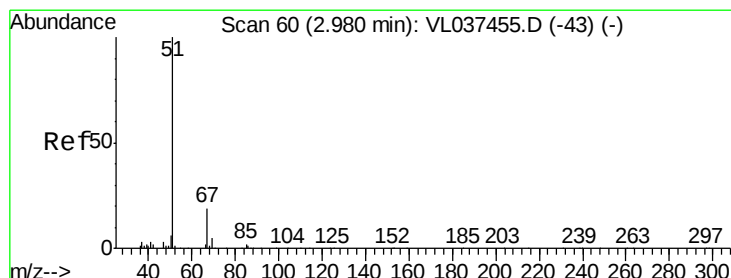
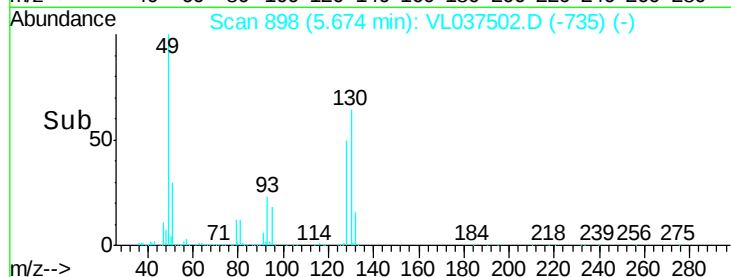
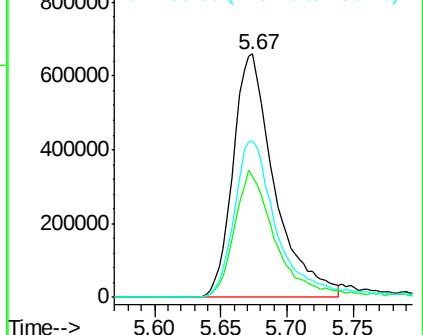
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.708 ppbv

RT: 3.00 min Scan# 65

Delta R.T. 0.02 min

Lab File: VL037502.D

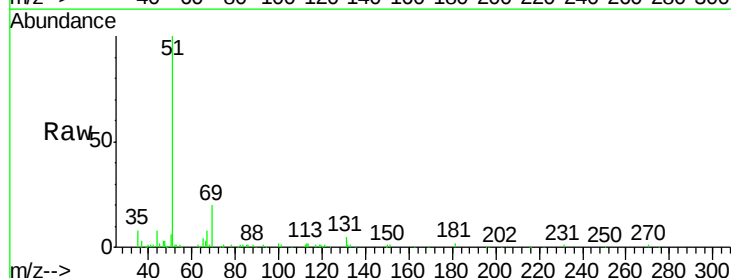
Acq: 19 Aug 2021 17:16

Tgt Ion: 51 Resp: 194351

Ion Ratio Lower Upper

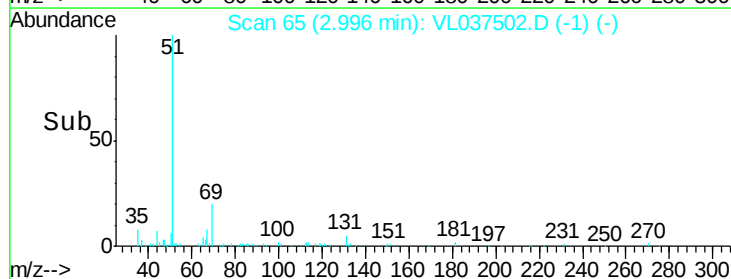
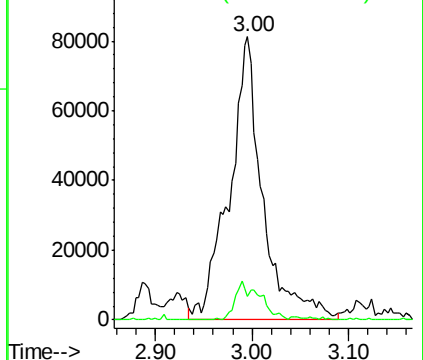
51 100

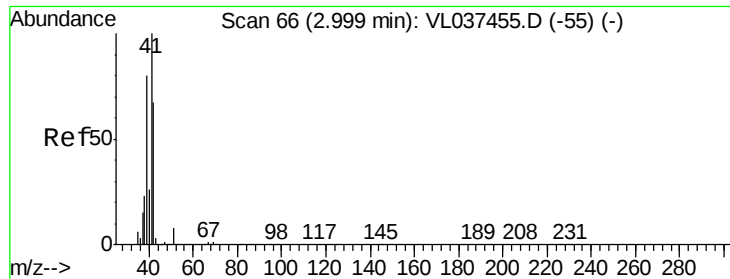
67 11.1 14.2 21.2#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.190 ppbv m

RT: 3.03 min Scan# 75

Delta R.T. 0.03 min

Lab File: VL037502.D

Acq: 19 Aug 2021 17:16

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-2DL

Tot Ion: 41 Resp: 18627

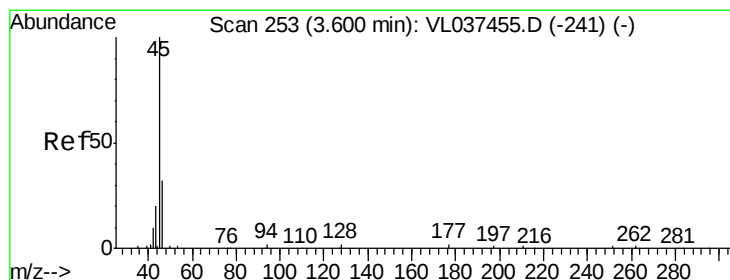
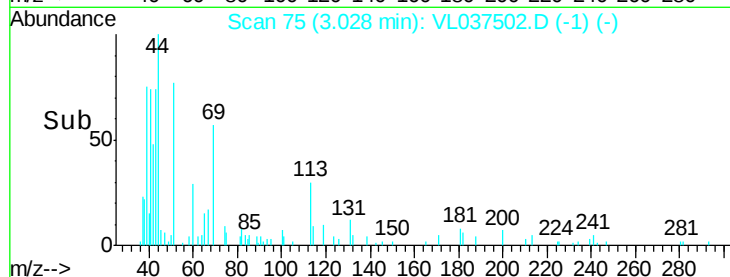
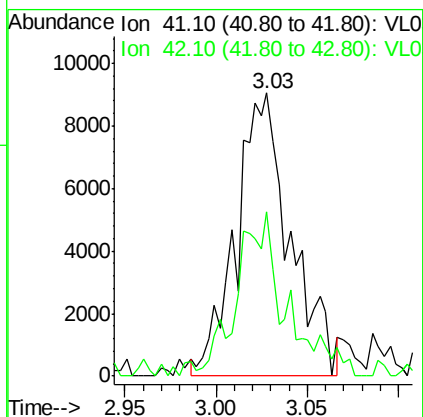
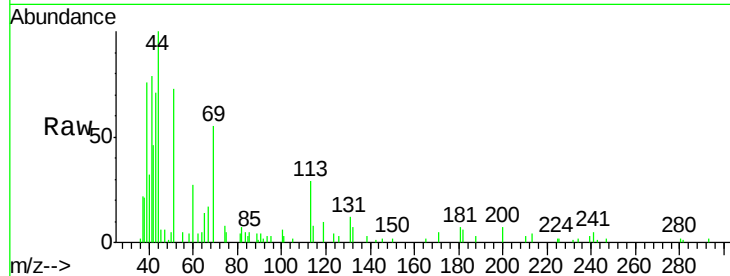
Ion Ratio Lower Upper

41 100

42 0.0 53.7 80.5#

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#13

Ethanol

Concen: 65.993 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.01 min

Lab File: VL037502.D

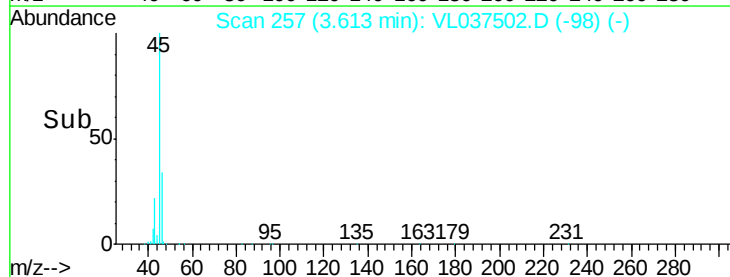
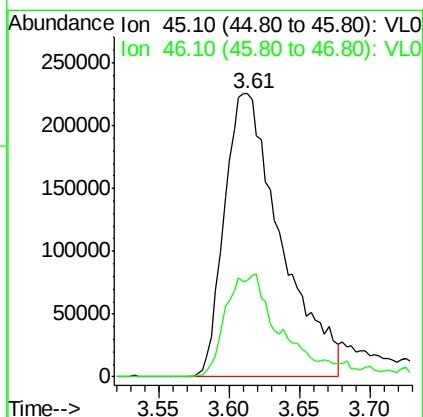
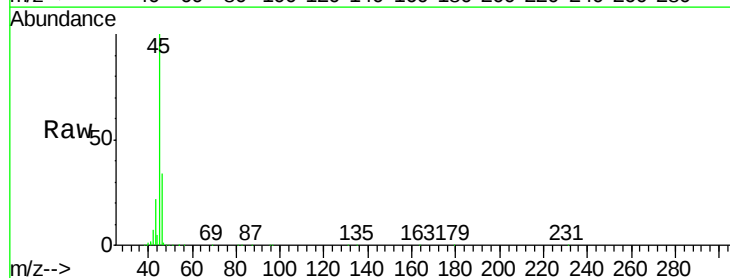
Acq: 19 Aug 2021 17:16

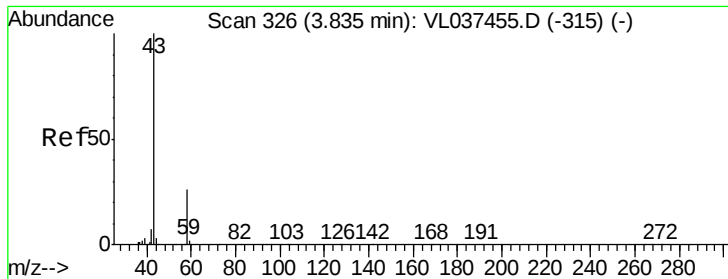
Tgt Ion: 45 Resp: 631101

Ion Ratio Lower Upper

45 100

46 36.7 14.1 56.5





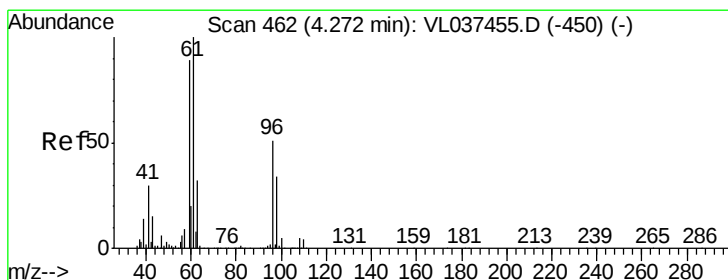
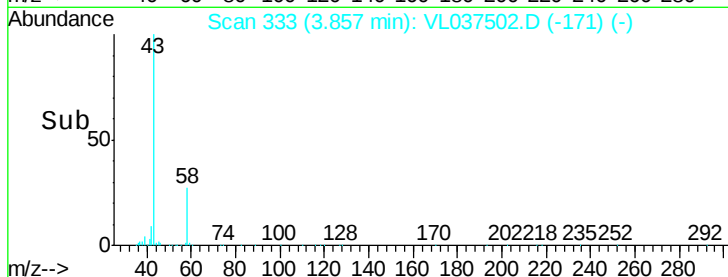
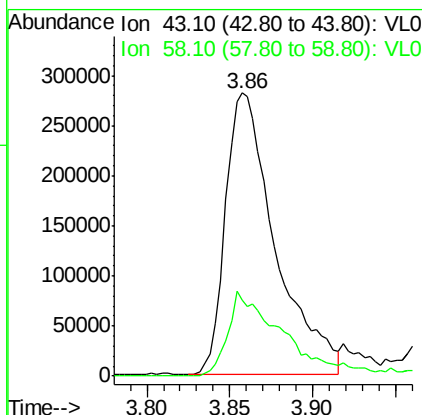
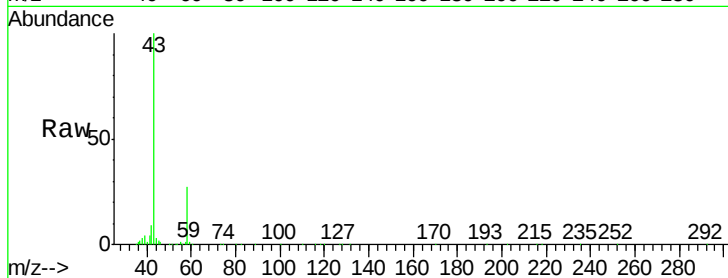
#15
Acetone
Concen: 4.030 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-2DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	33.2	24.8	37.2

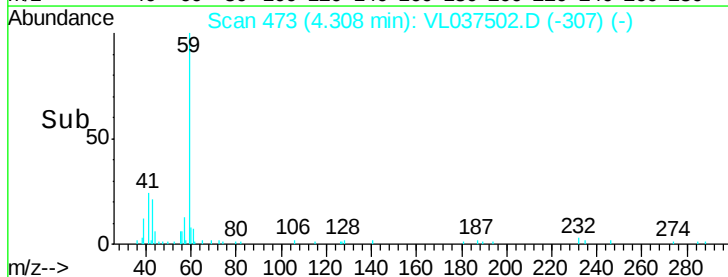
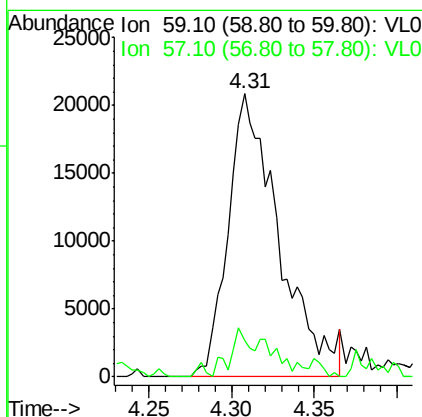
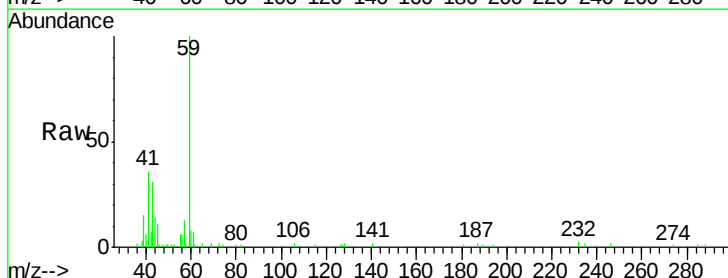
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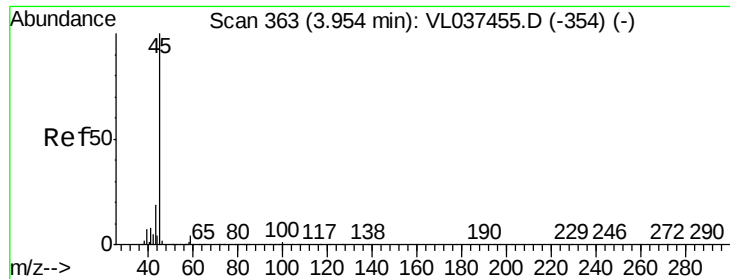
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#17
tert-Butyl alcohol
Concen: 0.333 ppbv m
RT: 4.31 min Scan# 473
Delta R.T. 0.04 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Tgt Ion	Ratio	Lower	Upper
59	100		
57	15.3	8.3	12.5#





#19

Isopropyl Alcohol

Concen: 5.628 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL037502.D

Acq: 19 Aug 2021 17:16

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-2DL

Tot Ion: 45 Resp: 470673

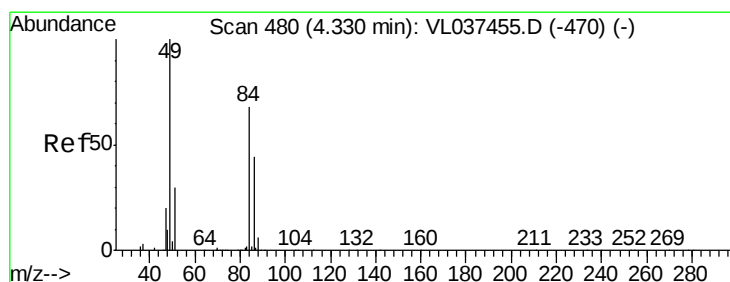
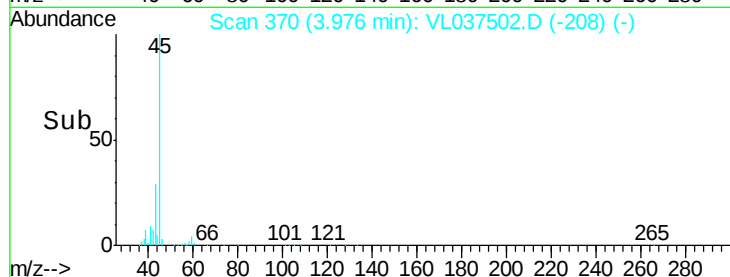
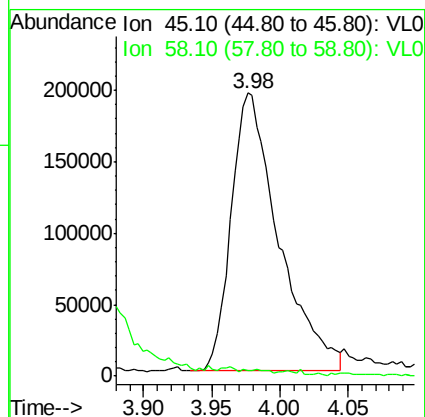
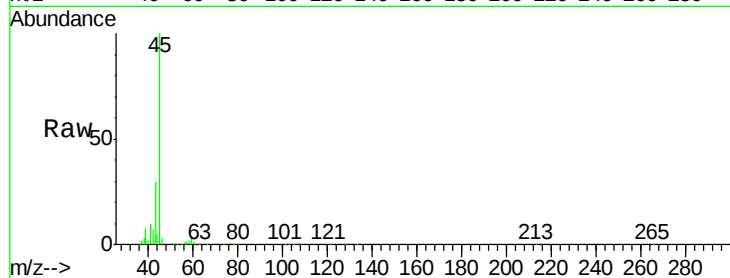
Ion Ratio Lower Upper

45 100

58 47.3 1.4 2.2#

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#20

Methylene Chloride

Concen: 1.391 ppbv

RT: 4.35 min Scan# 487

Delta R.T. 0.02 min

Lab File: VL037502.D

Acq: 19 Aug 2021 17:16

Tgt Ion: 84 Resp: 101671

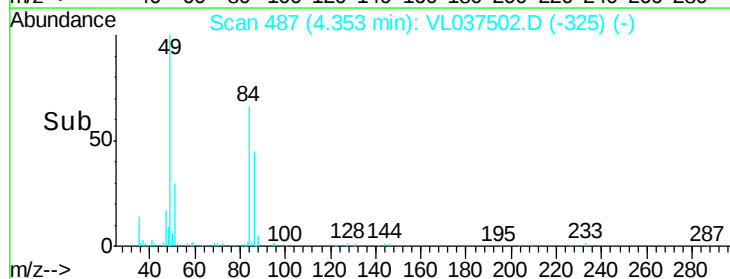
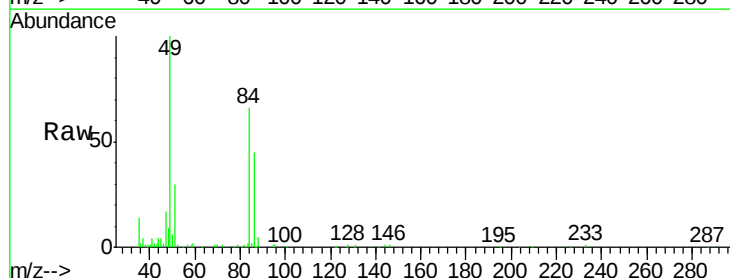
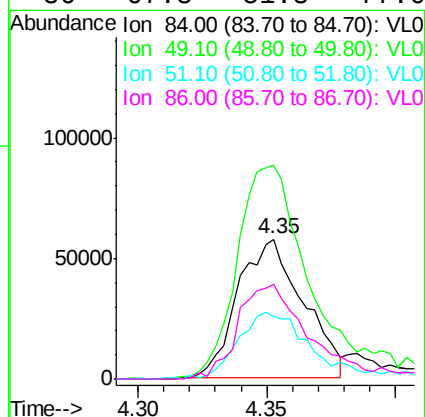
Ion Ratio Lower Upper

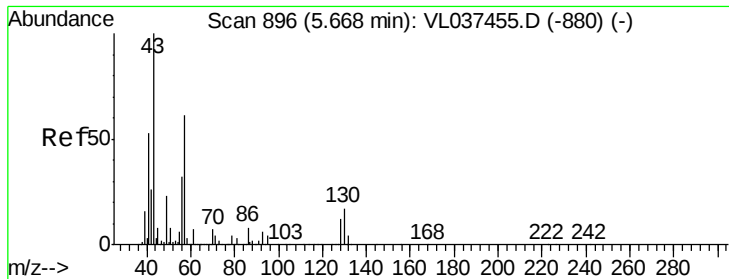
84 100

49 151.7 118.2 177.2

51 43.0 36.6 55.0

86 67.8 51.8 77.6





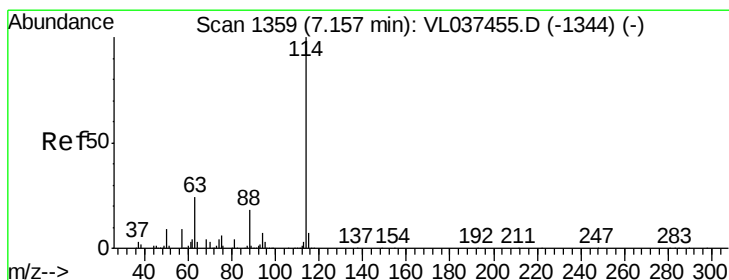
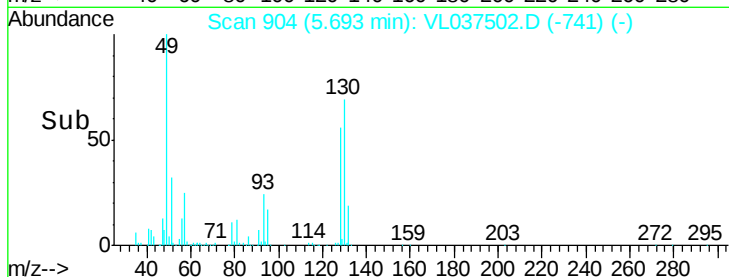
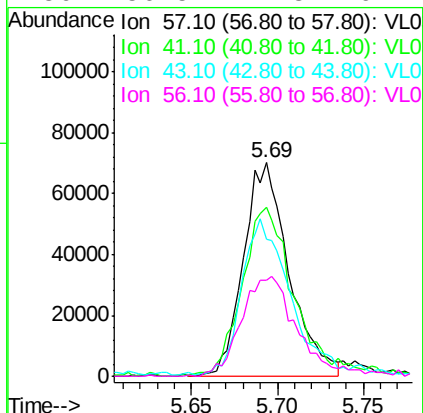
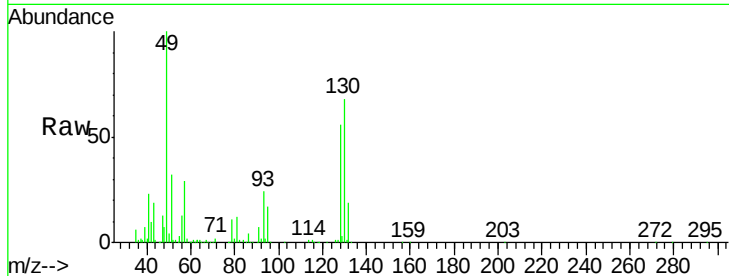
#26
Hexane
Concen: 0.712 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.03 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-2DL

Tot Ion	57	Resp	128940
Ion	Ratio	Lower	Upper
57	100		
41	93.3	72.3	108.5
43	77.9	172.3	258.5#
56	56.5	42.8	64.2

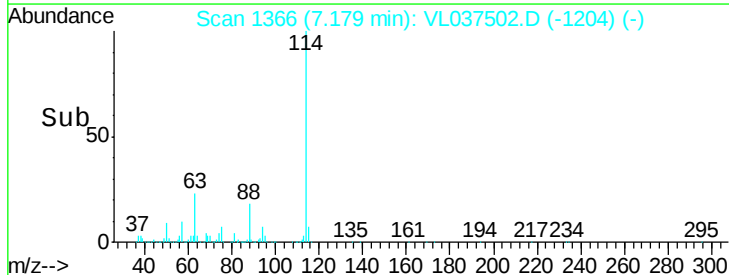
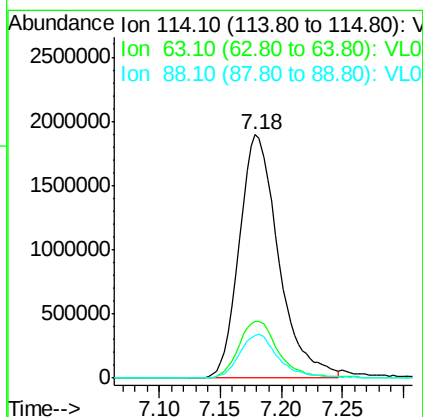
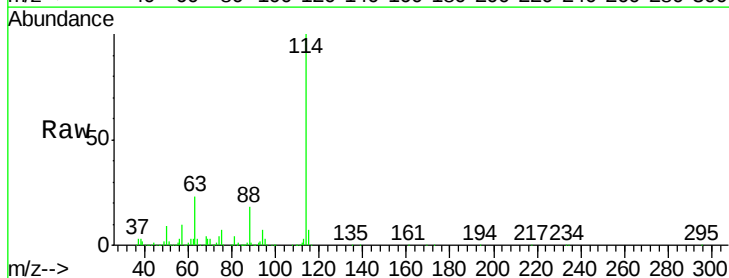
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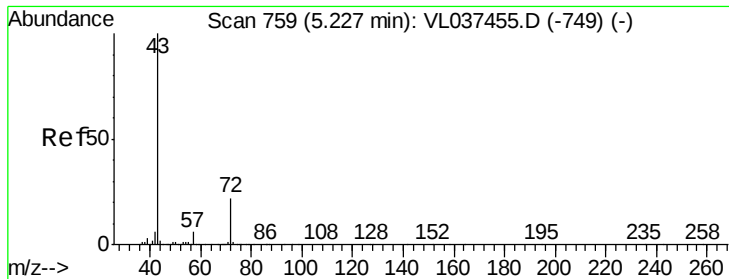
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1366
Delta R.T. 0.02 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Tgt Ion	114	Resp	4220786
Ion	Ratio	Lower	Upper
114	100		
63	24.0	19.3	28.9
88	18.1	14.2	21.4





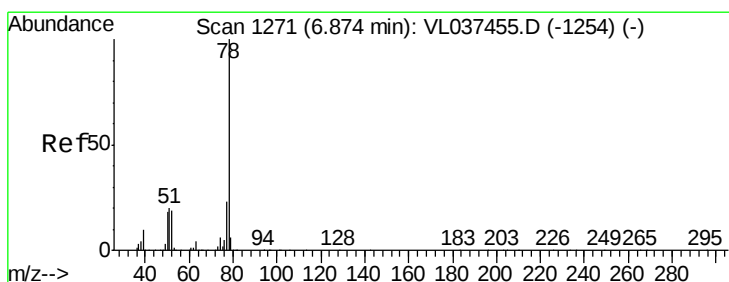
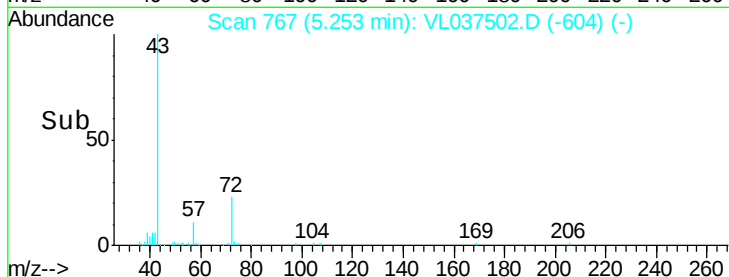
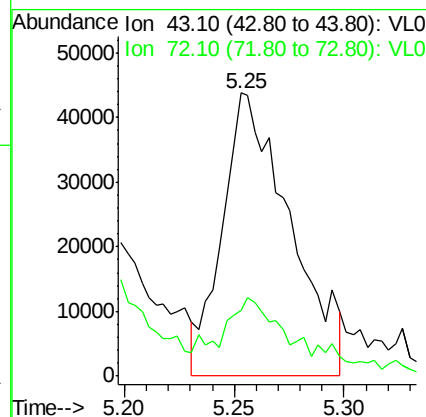
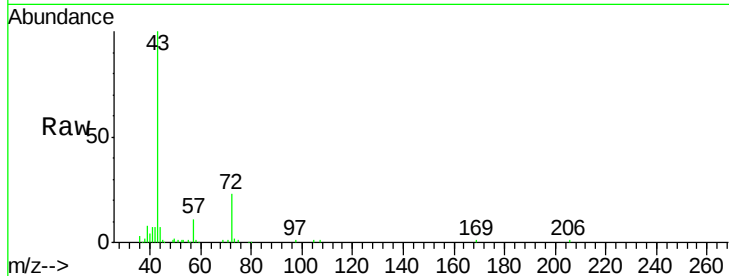
#34
2-Butanone
Concen: 0.545 ppbv m
RT: 5.25 min Scan# 767
Delta R.T. 0.03 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-2DL

Tot Ion: 43 Resp: 93973
Ion Ratio Lower Upper
43 100
72 35.7 17.4 26.0#

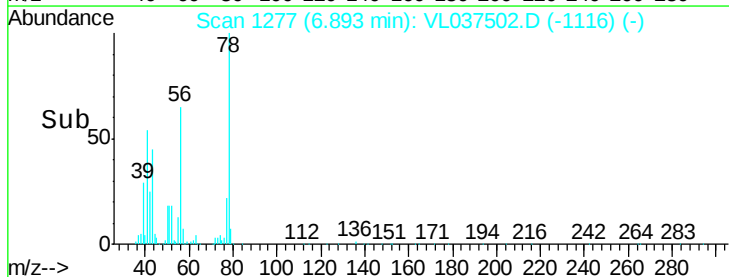
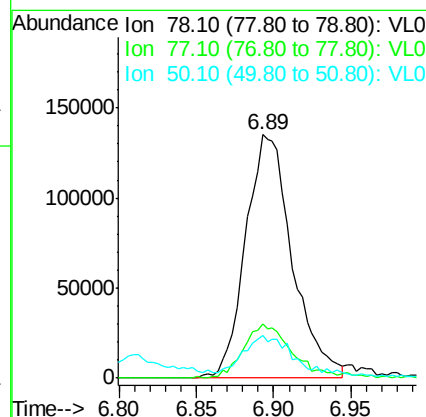
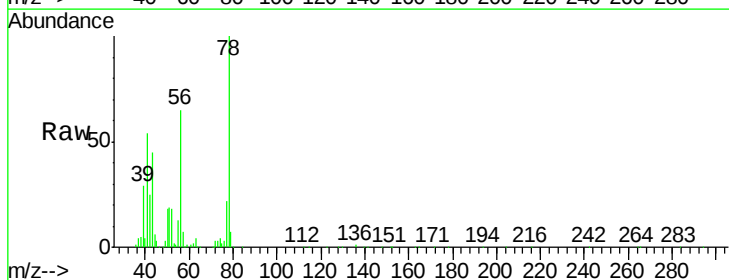
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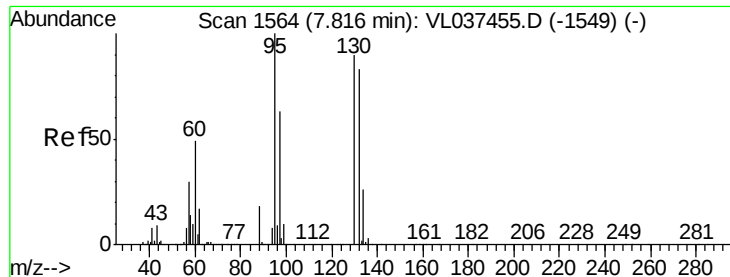
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#36
Benzene
Concen: 0.793 ppbv
RT: 6.89 min Scan# 1277
Delta R.T. 0.02 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Tgt Ion: 78 Resp: 281253
Ion Ratio Lower Upper
78 100
77 22.3 18.2 27.4
50 15.5 14.6 21.8





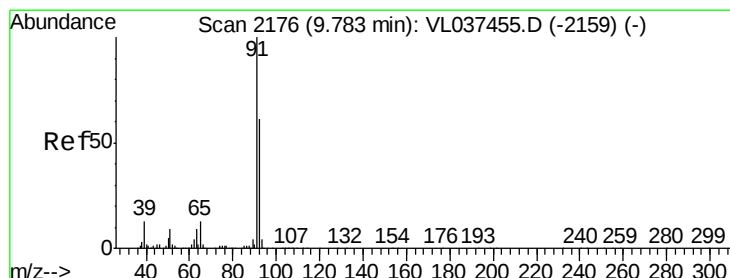
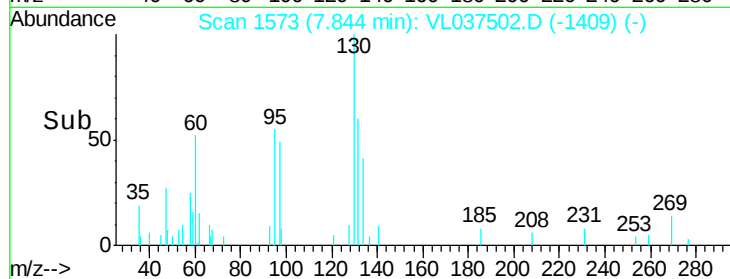
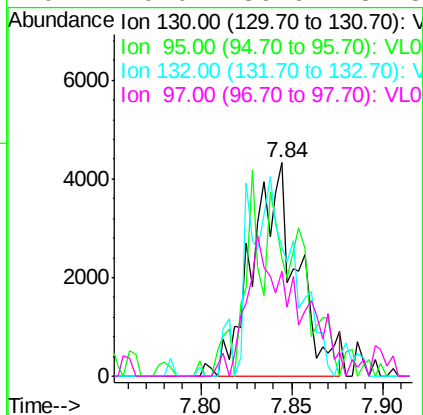
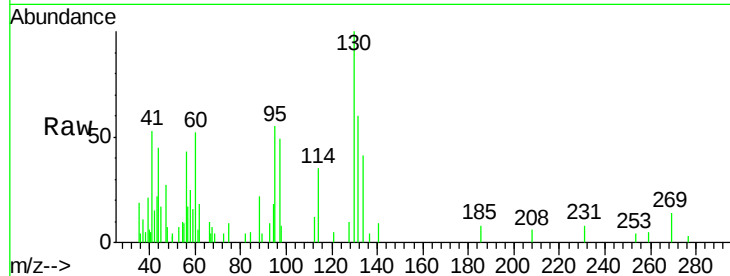
#38
 Trichloroethene
 Concen: 0.051 ppbv m
 RT: 7.84 min Scan# 1573
 Delta R.T. 0.03 min
 Lab File: VL037502.D
 Acq: 19 Aug 2021 17:16

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-SG-2DL

Tot Ion:	130	Resp:	7483
Ion Ratio	Lower	Upper	
130	100		
95	55.3	89.2	133.8#
132	60.5	74.0	111.0#
97	49.0	56.6	84.8#

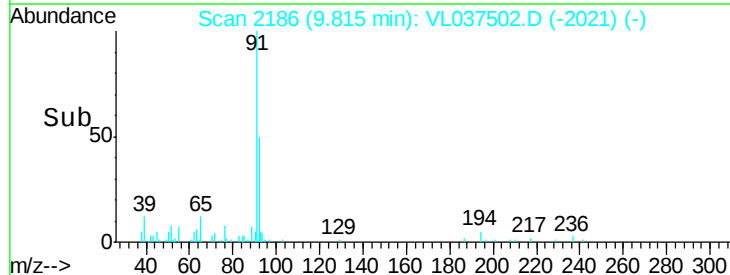
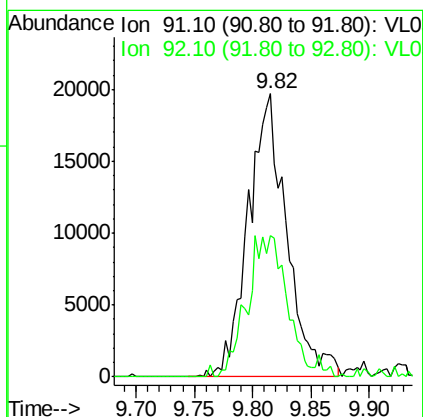
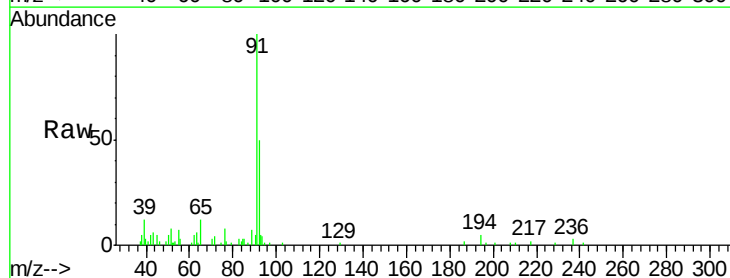
Manual Integrations
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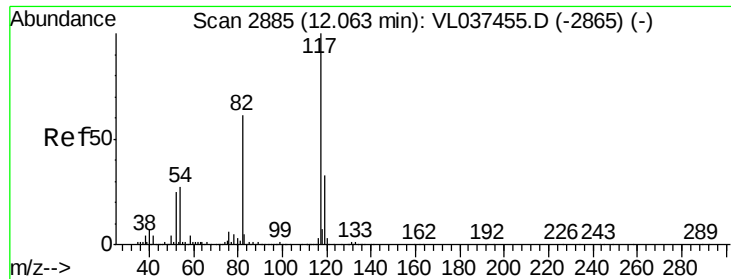
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#53
 Toluene
 Concen: 0.111 ppbv m
 RT: 9.82 min Scan# 2186
 Delta R.T. 0.03 min
 Lab File: VL037502.D
 Acq: 19 Aug 2021 17:16

Tgt Ion:	91	Resp:	45161
Ion Ratio	Lower	Upper	
91	100		
92	53.1	48.8	73.2





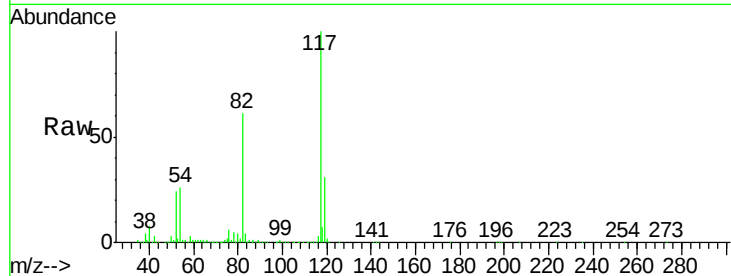
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2894
Delta R.T. 0.03 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Instrument :
MSVOA_L
ClientSampleId :
SR-SG-2DL

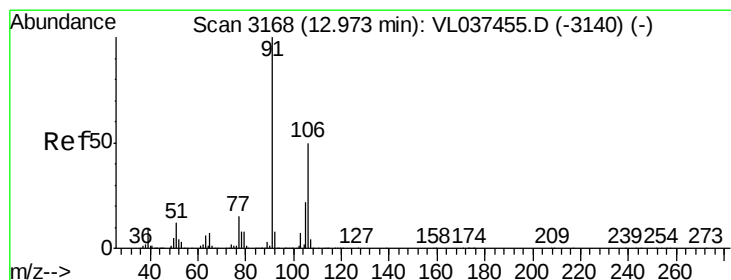
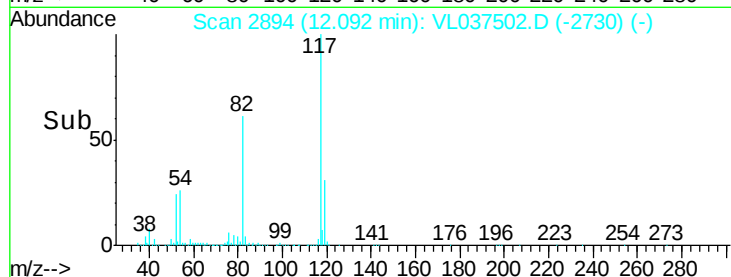
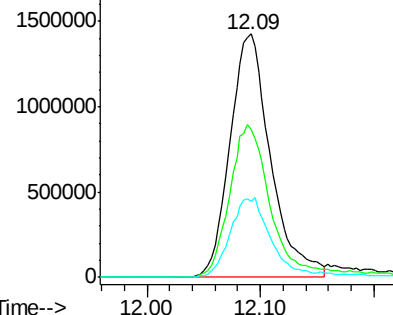
Tot Ion	Ratio	Lower	Upper
117	100		
82	66.9	52.9	79.3
119	34.8	24.8	37.2

Manual Integrations
APPROVED

MMDadoda
8/20/2021 6:31:11 PM

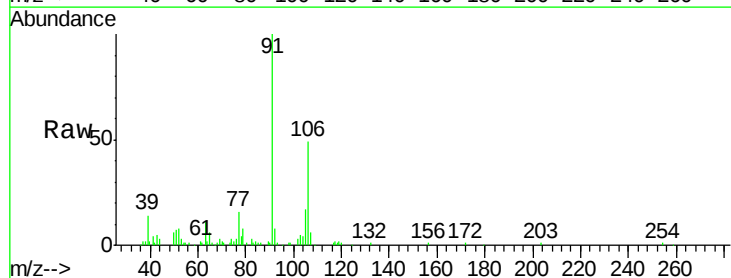


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

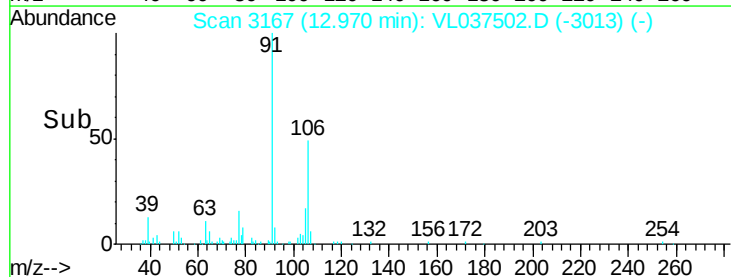
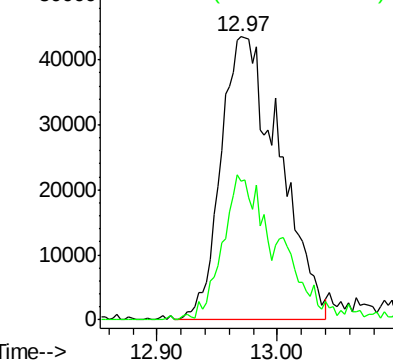


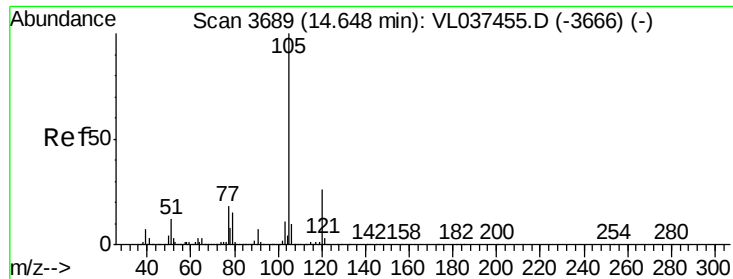
#59
m/p-Xylene
Concen: 0.346 ppbv m
RT: 12.97 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VL037502.D
Acq: 19 Aug 2021 17:16

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	36.9	55.3#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V





#62

Isopropylbenzene

Concen: 0.193 ppbv m

RT: 14.67 min Scan# 3696

Delta R.T. 0.02 min

Lab File: VL037502.D

Acq: 19 Aug 2021 17:16

Instrument :

MSVOA_L

ClientSampleId :

SR-SG-2DL

Tot Ion:105 Resp: 108704

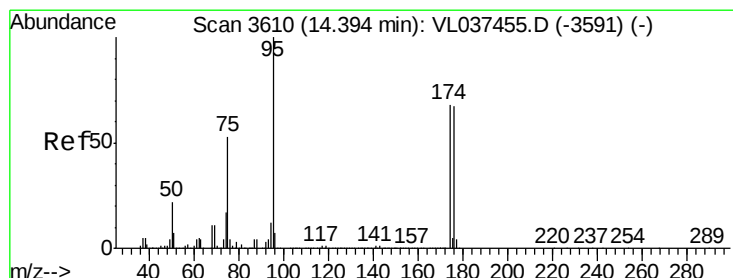
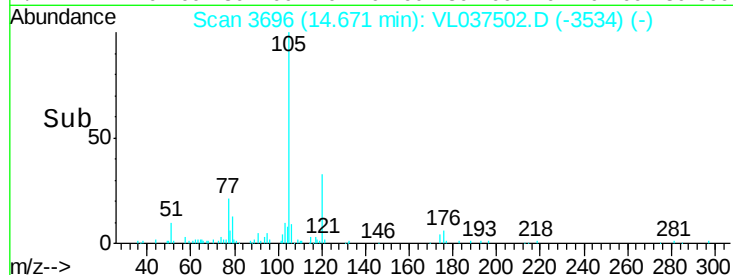
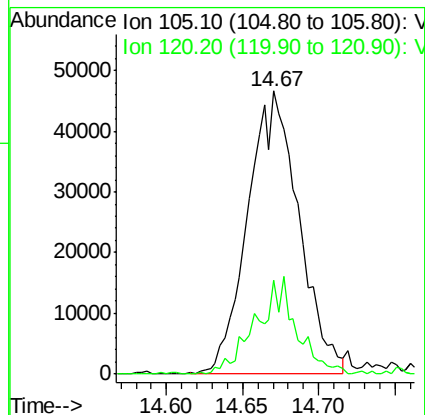
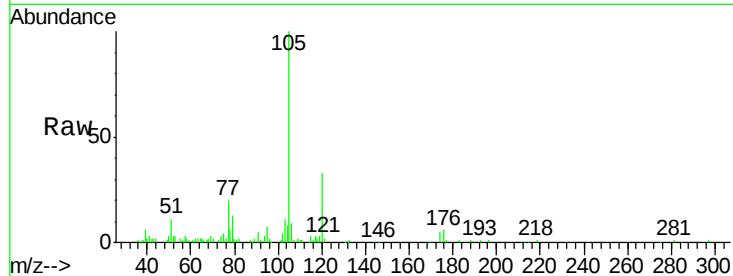
Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

Manual Integrations
APPROVED

MMDadoda
8/20/2021 6:31:11 PM



#68

1-Bromo-4-Fluorobenzene

Concen: 9.845 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. 0.02 min

Lab File: VL037502.D

Acq: 19 Aug 2021 17:16

Tgt Ion: 95 Resp: 2486254

Ion Ratio Lower Upper

95 100

174 79.7 59.6 89.4

175 5.9 4.6 7.0

