

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052021\
 Data File : VL037041.D
 Acq On : 21 May 2021 2:05
 Operator : SY/AP
 Sample : M2424-13DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021DL

Manual Integrations
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 5/24/2021 3:27:42 PM

Quant Time: May 21 03:54:22 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1094553	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.14	114	3264398	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.04	117	2843412	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.37	95	1989699	9.31	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	93.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	11959	0.167	ppbv	88
13) Ethanol	3.61	45	40741m	4.253	ppbv	
15) Acetone	3.83	43	1033802	9.221	ppbv	99
16) 1,3-Butadiene	3.29	39	29094	0.418	ppbv #	18
19) Isopropyl Alcohol	3.98	45	17411m	0.289	ppbv	
20) Methylene Chloride	4.32	84	234465	3.901	ppbv	99
26) Hexane	5.65	57	195617	1.421	ppbv #	49
34) 2-Butanone	5.23	43	48881	0.411	ppbv #	76
53) Toluene	9.77	91	47491m	0.142	ppbv	

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

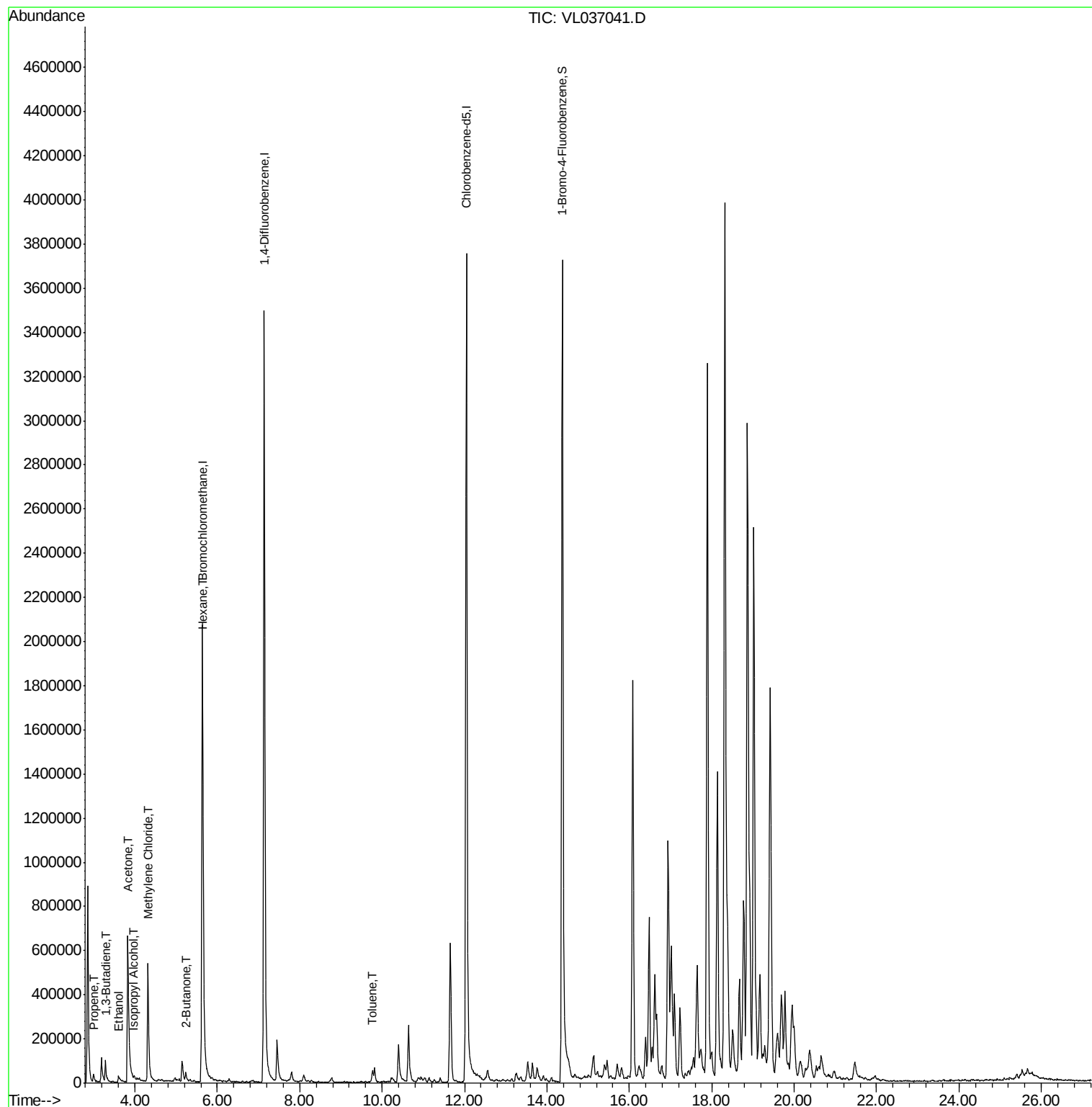
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052021\
Data File : VL037041.D
Acq On : 21 May 2021 2:05
Operator : SY/AP
Sample : M2424-13DL 20X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

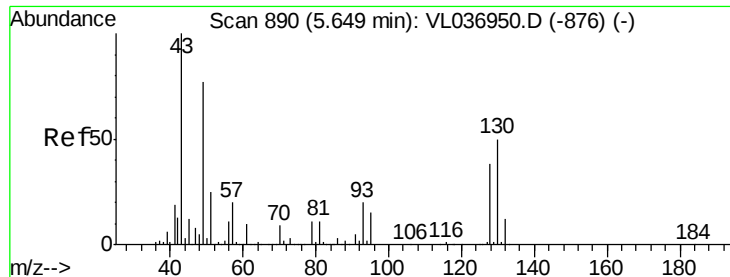
Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021DL

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5/24/2021 3:27:42 PM

Quant Time: May 21 03:54:22 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.01 min

Lab File: VL037041.D

Acq: 21 May 2021 2:05

Instrument :

MSVOA_L

ClientSampleId :

DUP-03-05132021DL

Tot Ion: 49 Resp: 1094553

Ion Ratio Lower Upper

49 100

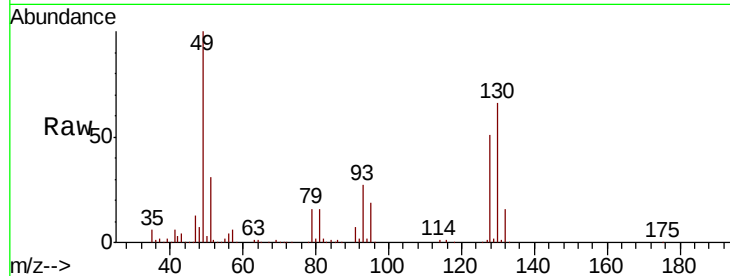
128 55.4 26.9 80.7

130 70.5 33.8 101.4

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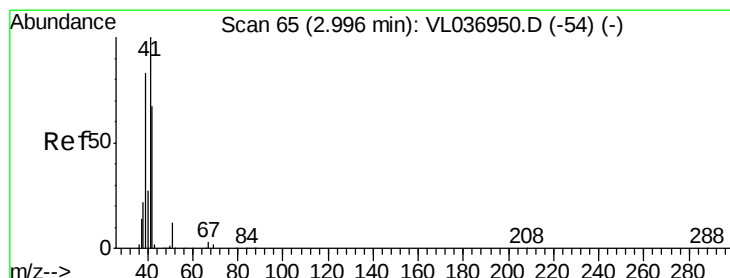
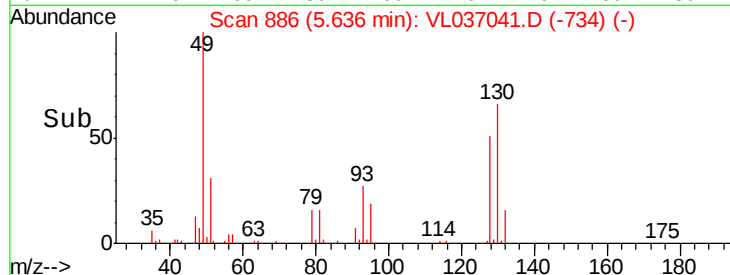
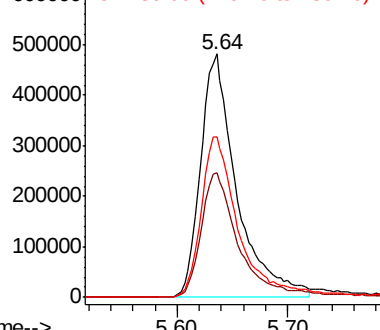
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.167 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL037041.D

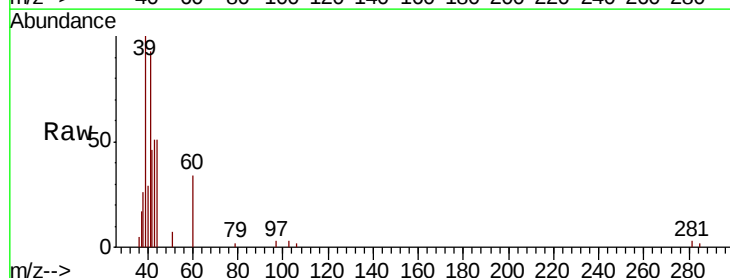
Acq: 21 May 2021 2:05

Tgt Ion: 41 Resp: 11959

Ion Ratio Lower Upper

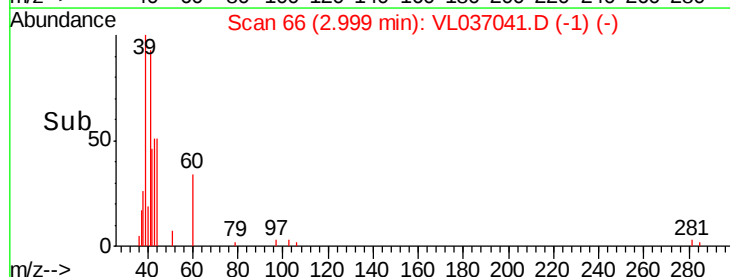
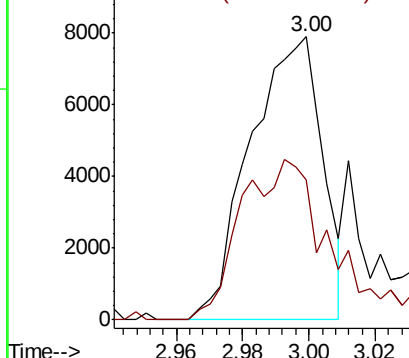
41 100

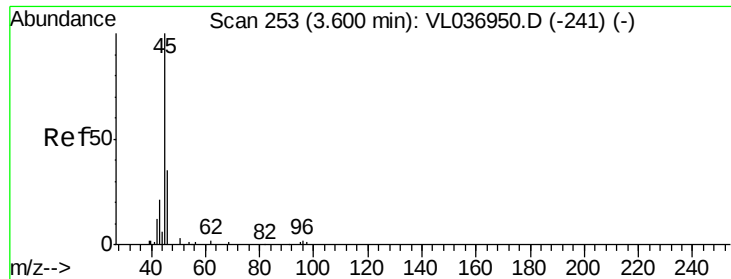
42 77.2 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





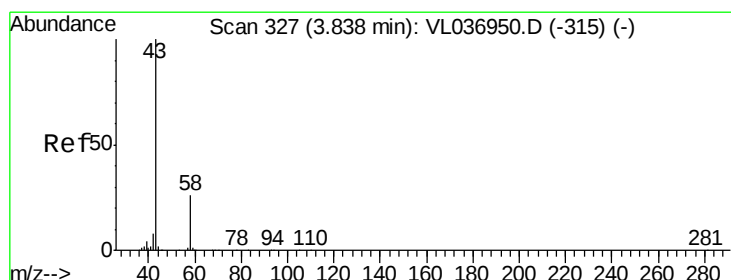
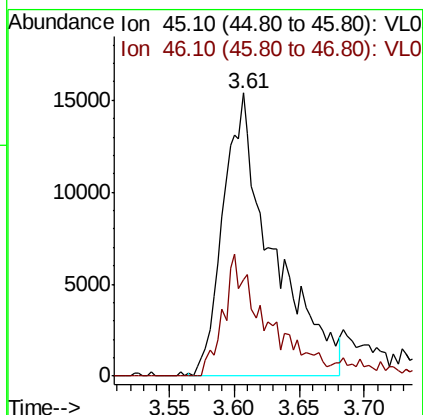
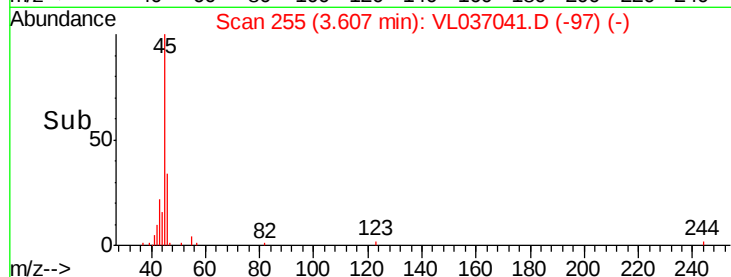
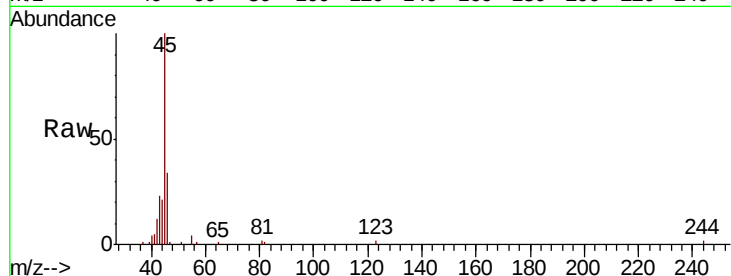
#13
Ethanol
Concen: 4.253 ppbv m
RT: 3.61 min Scan# 255
Delta R.T. 0.01 min
Lab File: VL037041.D
Acq: 21 May 2021 2:05

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021DL

Tot Ion	45	46	Ratio	Lower	Upper
45	100				
46	42.1		16.3	65.3	

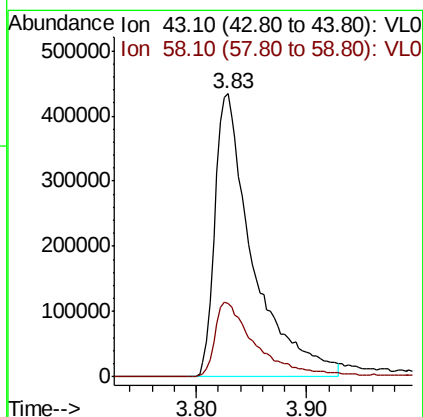
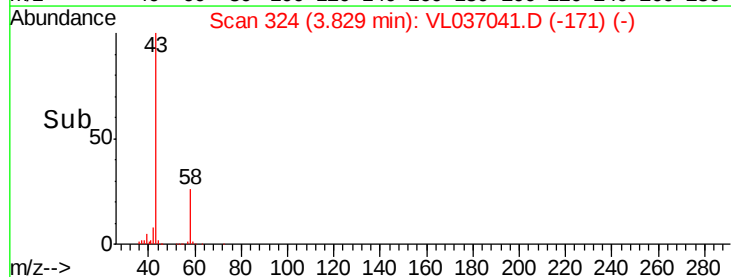
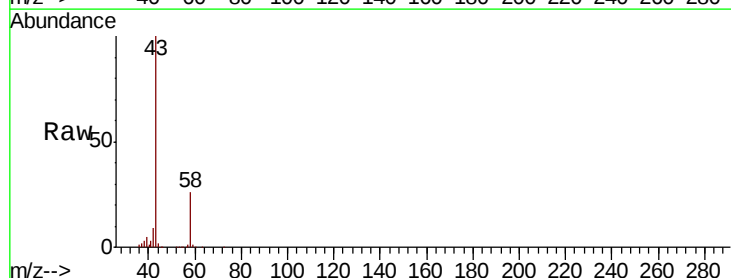
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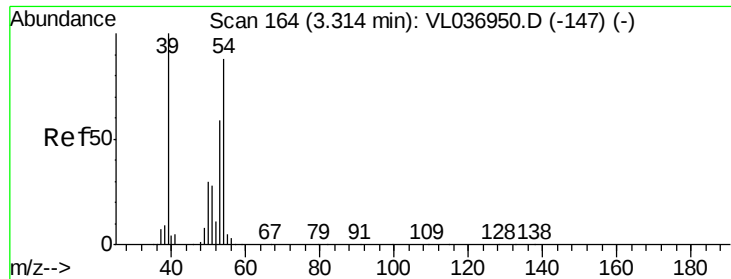
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#15
Acetone
Concen: 9.221 ppbv
RT: 3.83 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL037041.D
Acq: 21 May 2021 2:05

Tgt Ion	43	58	Ratio	Lower	Upper
43	100				
58	29.4		24.0	36.0	





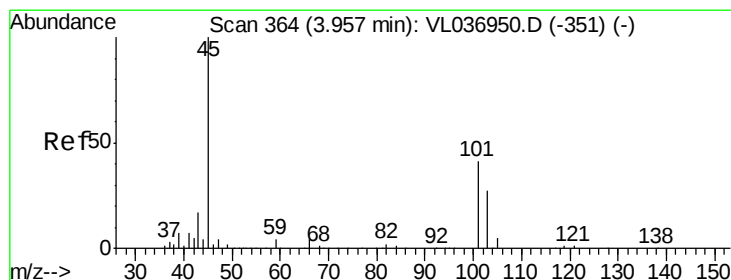
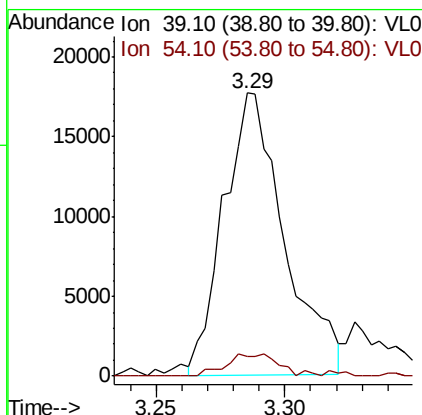
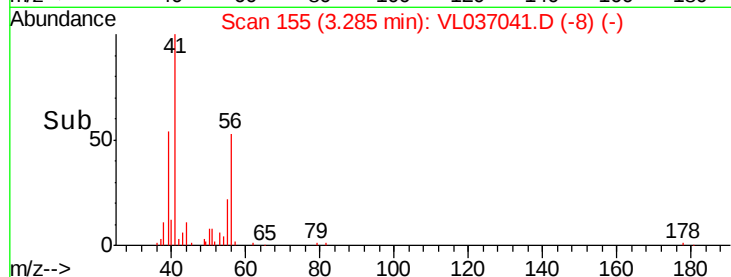
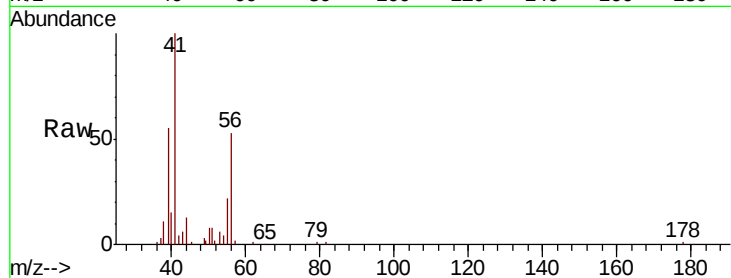
#16
1,3-Butadiene
Concen: 0.418 ppbv
RT: 3.29 min Scan# 155
Delta R.T. -0.03 min
Lab File: VL037041.D
Acq: 21 May 2021 2:05

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021DL

Tot Ion	Ratio	Lower	Upper
39	100		
54	7.3	63.2	94.8#

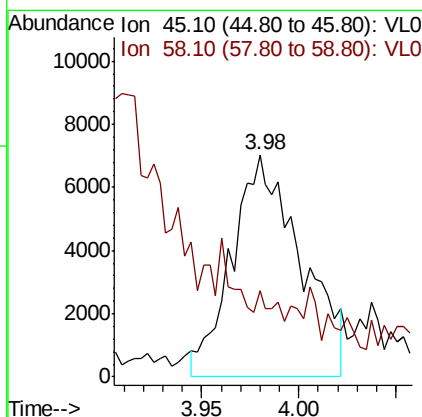
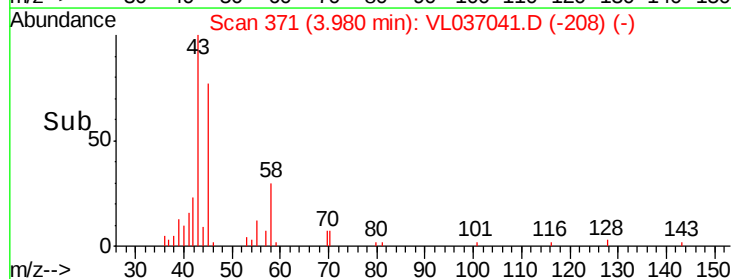
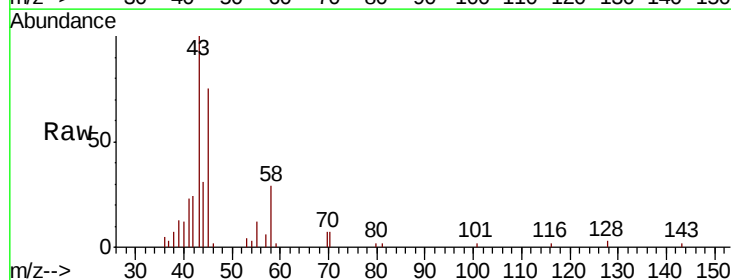
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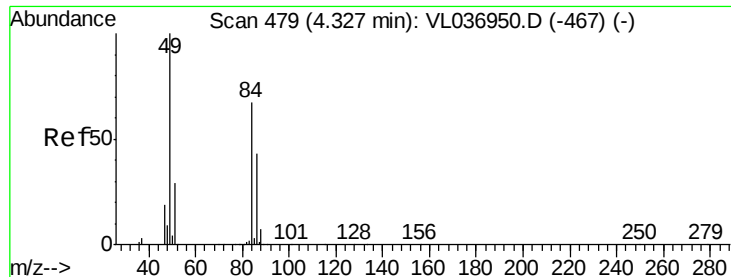
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#19
Isopropyl Alcohol
Concen: 0.289 ppbv m
RT: 3.98 min Scan# 371
Delta R.T. 0.02 min
Lab File: VL037041.D
Acq: 21 May 2021 2:05

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	37.2	55.8#





#20

Methylene Chloride

Concen: 3.901 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.01 min

Lab File: VL037041.D

Acq: 21 May 2021 2:05

Instrument :

MSVOA_L

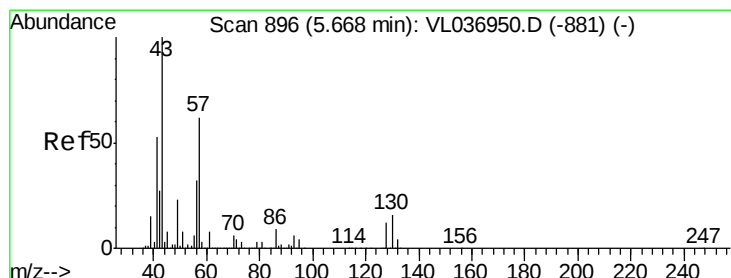
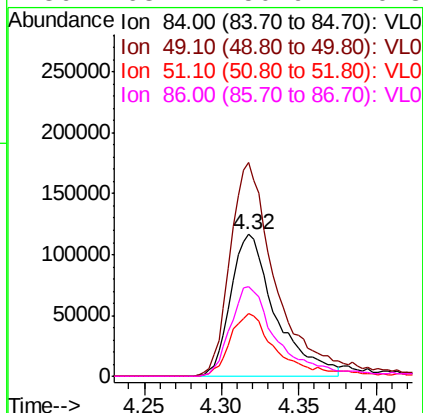
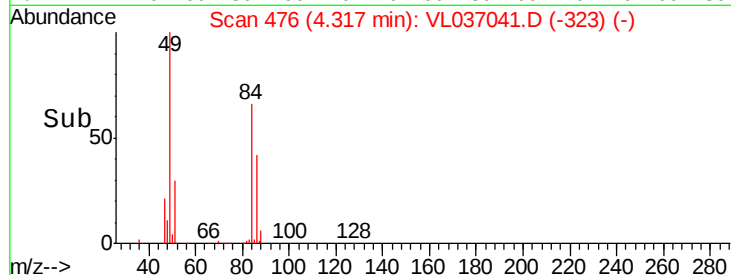
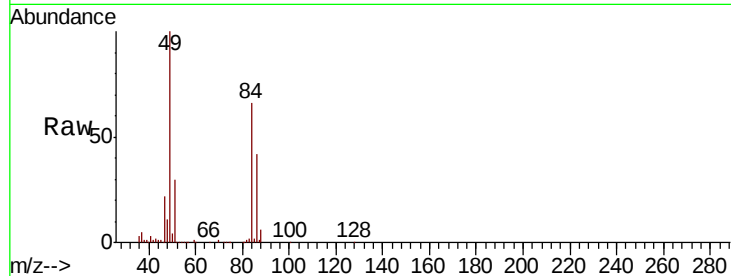
ClientSampleId :

DUP-03-05132021DL

Tot Ion	84	Resp	234465
Ion Ratio	Lower	Upper	
84	100		
49	150.7	119.8	179.6
51	44.5	35.1	52.7
86	63.4	50.9	76.3

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#26

Hexane

Concen: 1.421 ppbv

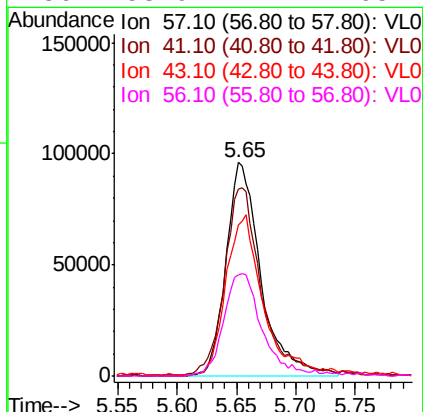
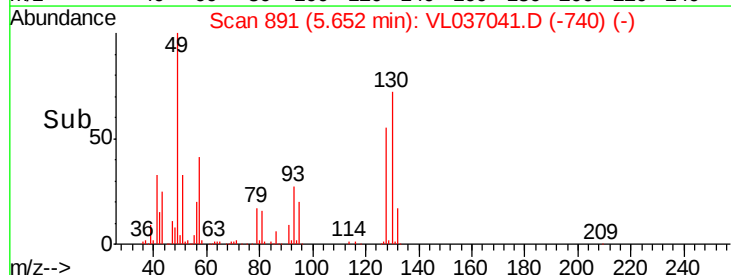
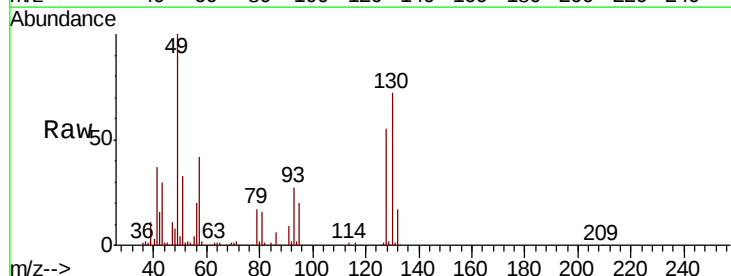
RT: 5.65 min Scan# 891

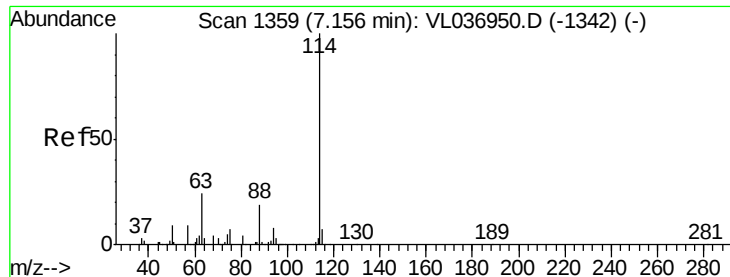
Delta R.T. -0.02 min

Lab File: VL037041.D

Acq: 21 May 2021 2:05

Tgt Ion	57	Resp	195617
Ion Ratio	Lower	Upper	
57	100		
41	96.1	70.5	105.7
43	80.4	165.8	248.8#
56	53.9	42.2	63.4





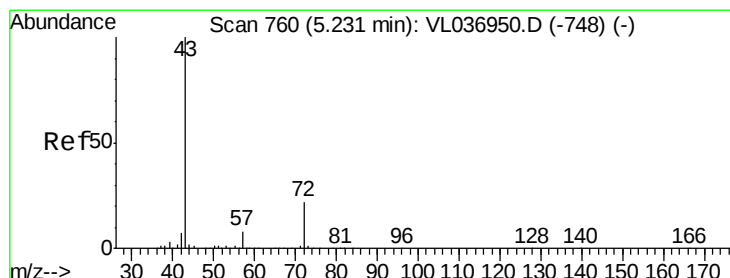
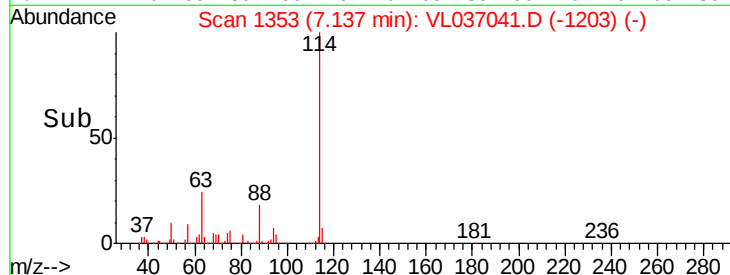
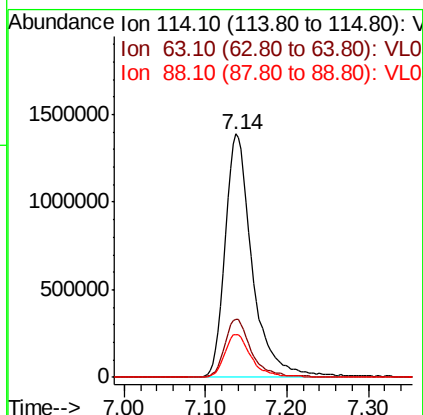
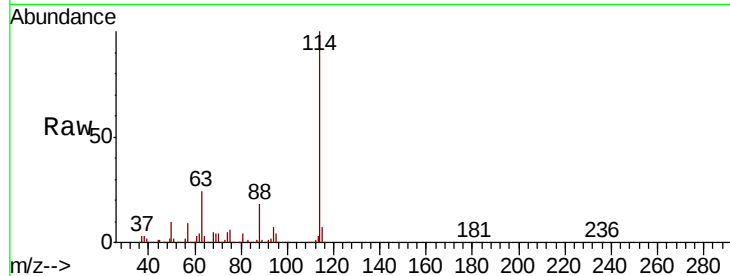
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.14 min Scan# 1353
 Delta R.T. -0.02 min
 Lab File: VL037041.D
 Acq: 21 May 2021 2:05

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	23.7	19.6	29.4
88	17.8	14.6	21.8

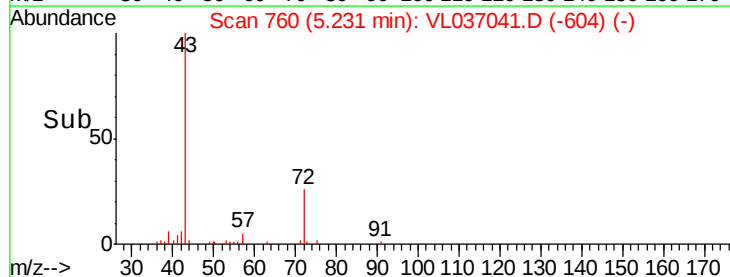
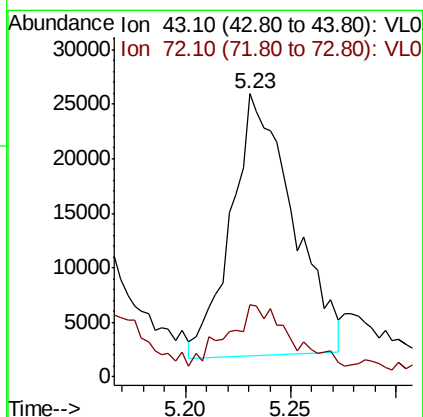
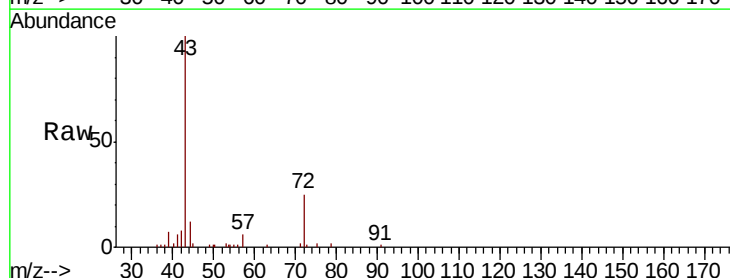
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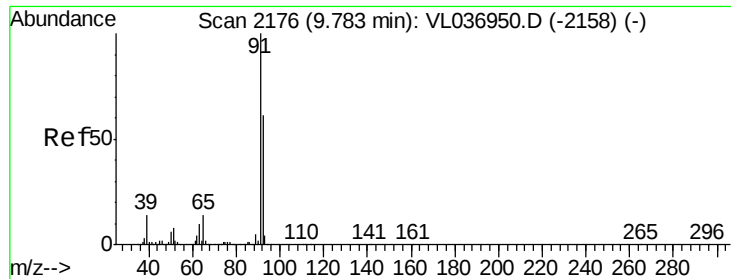
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#34
 2-Butanone
 Concen: 0.411 ppbv
 RT: 5.23 min Scan# 760
 Delta R.T. 0.00 min
 Lab File: VL037041.D
 Acq: 21 May 2021 2:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	35.7	19.0	28.4





#53

Toluene

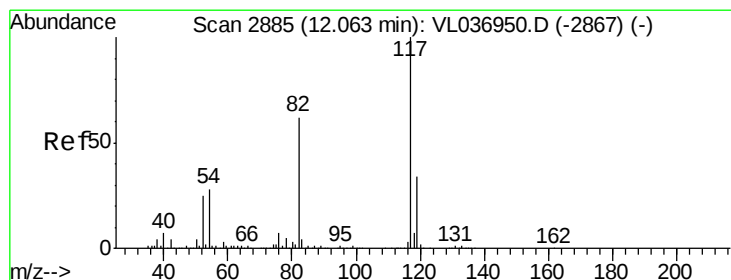
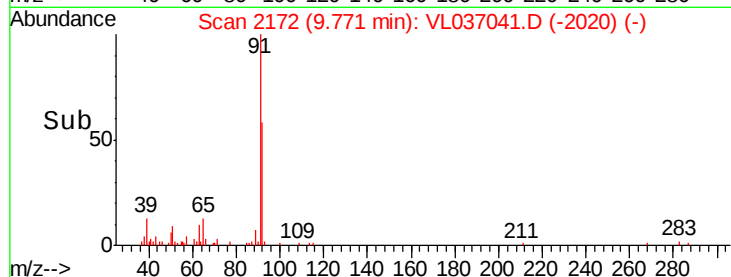
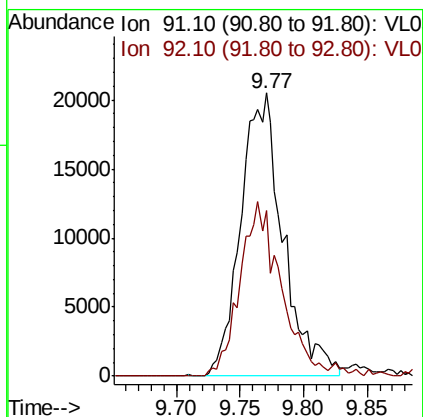
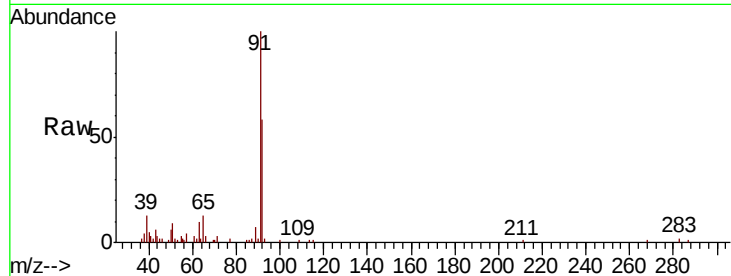
Concen: 0.142 ppbv m
RT: 9.77 min Scan# 2172
Delta R.T. -0.01 min
Lab File: VL037041.D
Acq: 21 May 2021 2:05

Instrument :
MSVOA_L
ClientSampleId :
DUP-03-05132021DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		47491		
92	60.6		49.5	74.3	

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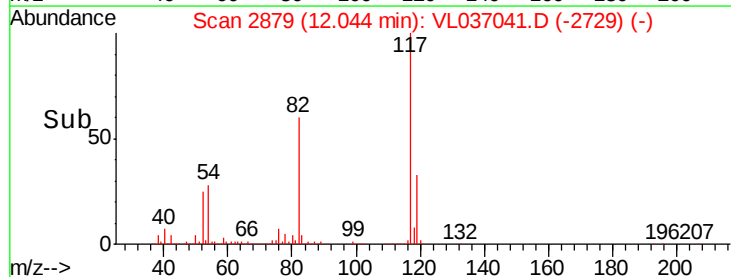
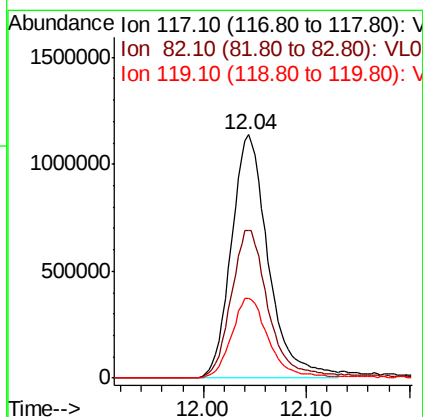
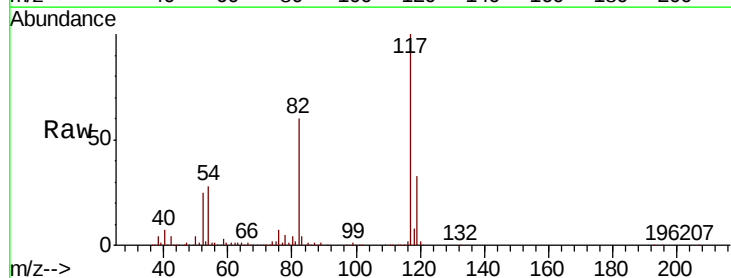


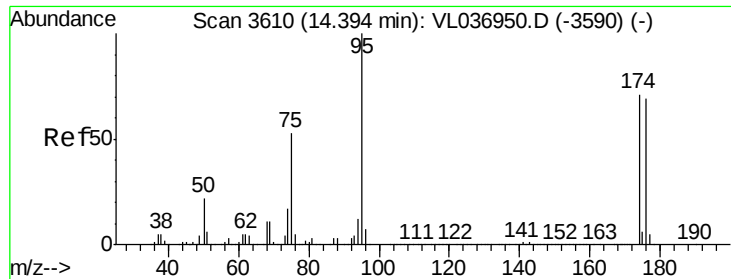
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.04 min Scan# 2879
Delta R.T. -0.02 min
Lab File: VL037041.D
Acq: 21 May 2021 2:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		2843412		
82	62.9		52.6	79.0	
119	34.0		46.6	70.0	





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.315 ppbv
 RT: 14.37 min Scan# 3603
 Delta R.T. -0.02 min
 Lab File: VL037041.D
 Acq: 21 May 2021 2:05

Instrument :
 MSVOA_L
 ClientSampleId :
 DUP-03-05132021DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	78.6	58.4	87.6
175	5.5	4.4	6.6

Manual Integrations
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