

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
 Data File : VL036175.D
 Acq On : 16 Dec 2020 20:31
 Operator : SY/AP
 Sample : L5041-01DL 40X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Manual Integrations
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 12/17/2020 3:56:12 PM

Quant Time: Dec 17 06:51:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Dec 0
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1397715	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2813468	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2526408	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2237093	11.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.01	41	10690m	0.134	ppbv	
13) Ethanol	3.63	45	17778m	1.614	ppbv	
15) Acetone	3.86	43	50519m	0.301	ppbv	
19) Isopropyl Alcohol	3.98	45	41203m	0.401	ppbv	
20) Methylene Chloride	4.35	84	26067m	0.379	ppbv	
24) 1,1-Dichloroethane	5.00	63	30591	0.194	ppbv	97
26) Hexane	5.68	57	23327m	0.154	ppbv	

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

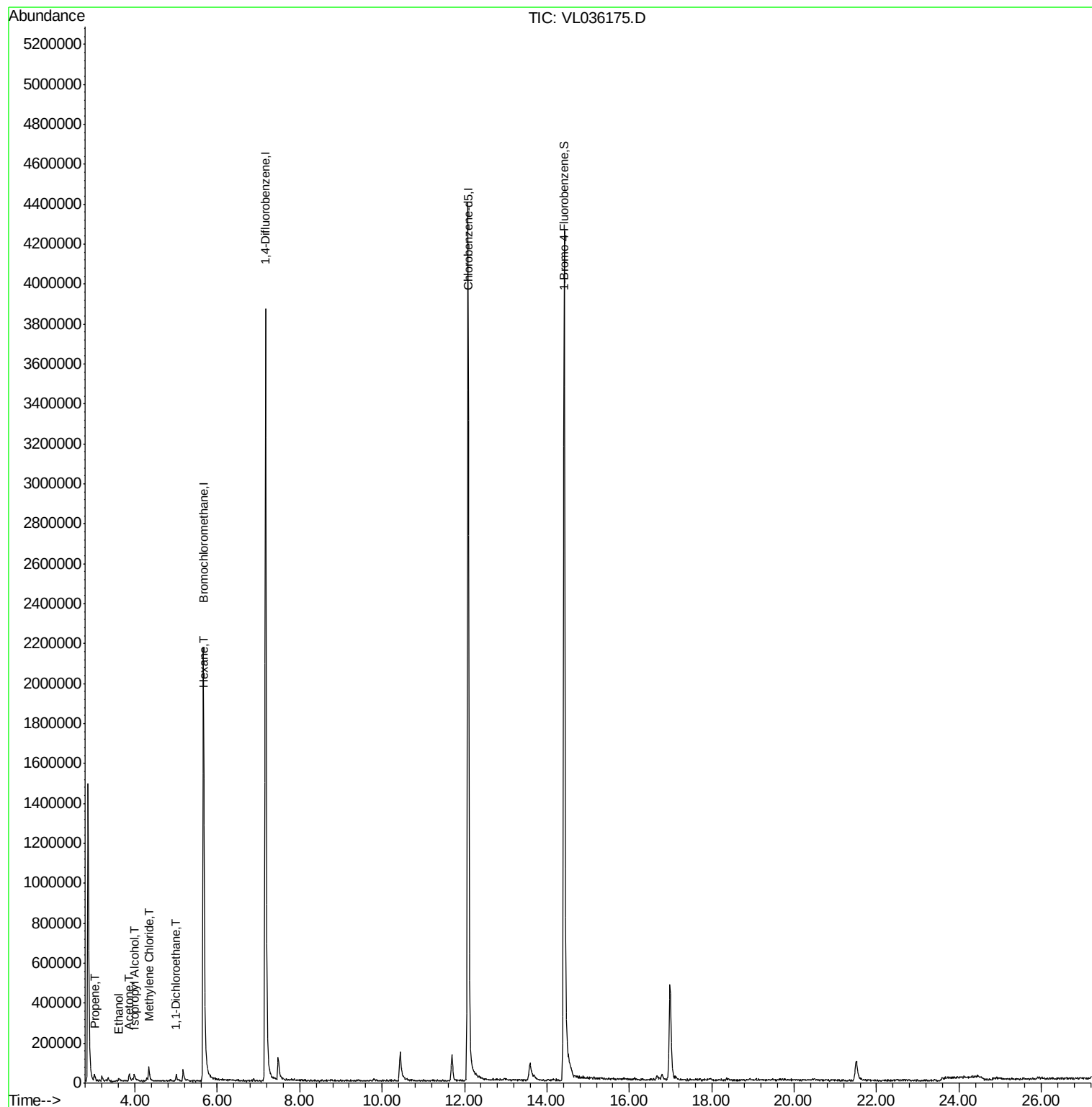
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL121620\
Data File : VL036175.D
Acq On : 16 Dec 2020 20:31
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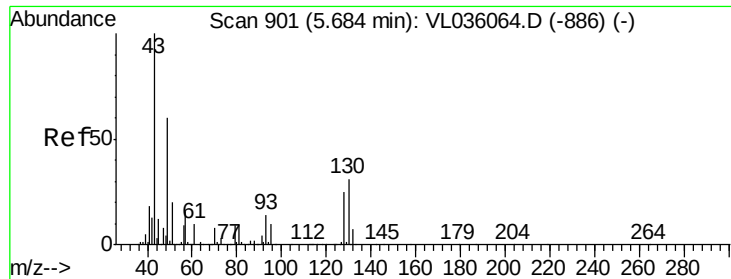
Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

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Quant Time: Dec 17 06:51:20 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL120720AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec
QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tgt Ion: 49 Resp: 1397715

Ion Ratio Lower Upper

49 100

128 36.4 21.1 63.1

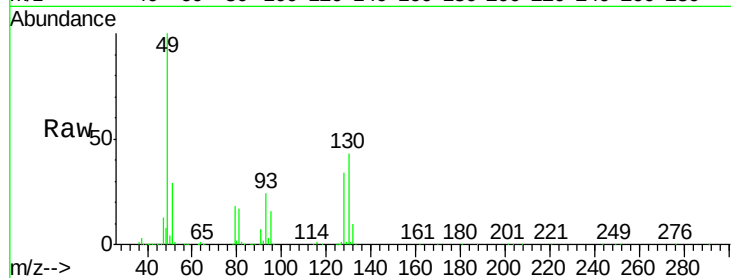
130 47.4 27.1 81.3

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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

800000

600000

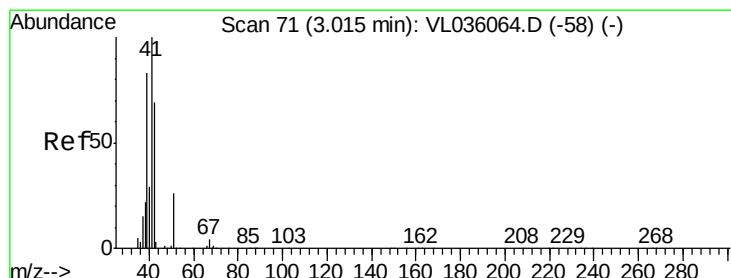
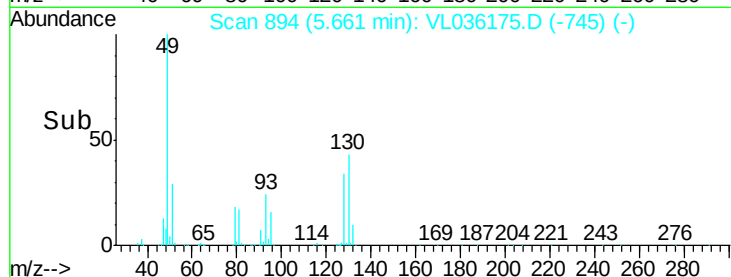
400000

200000

0

5.60 5.65 5.70 5.75

Time-->



#9

Propene

Concen: 0.134 ppbv m

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL036175.D

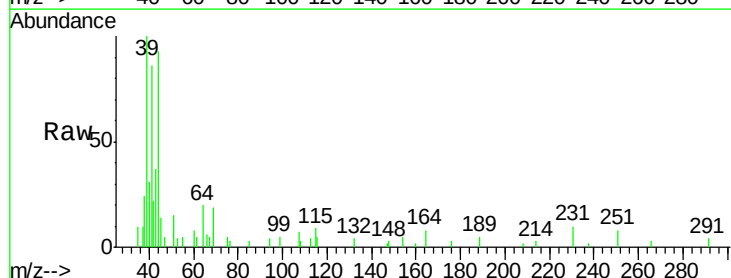
Acq: 16 Dec 2020 20:31

Tgt Ion: 41 Resp: 10690

Ion Ratio Lower Upper

41 100

42 47.5 57.0 85.6#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

6000

5000

4000

3000

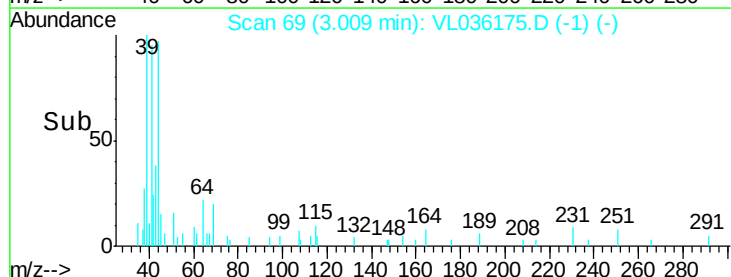
2000

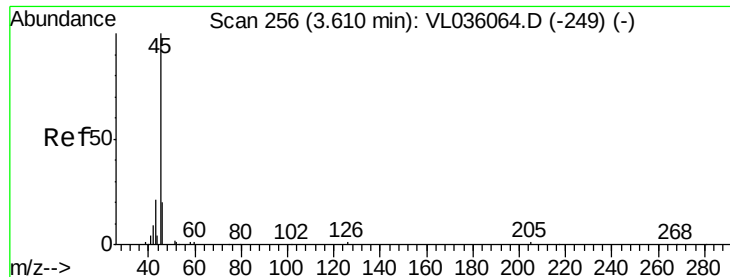
1000

0

2.95 3.00 3.05

Time-->





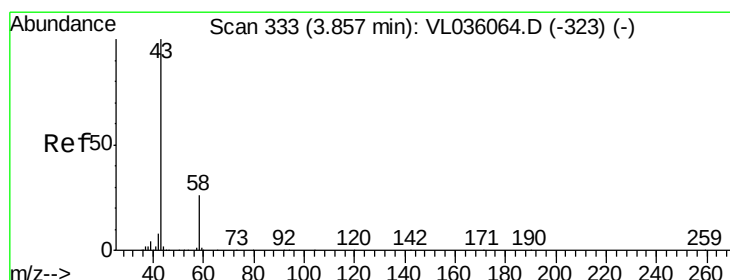
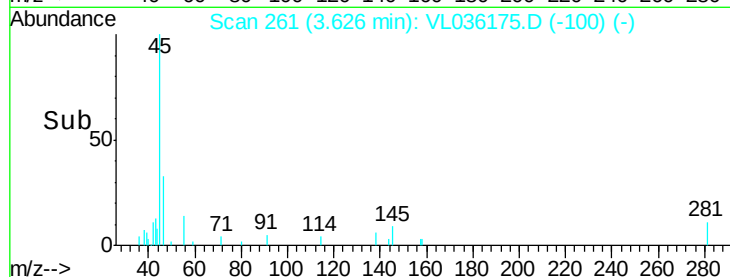
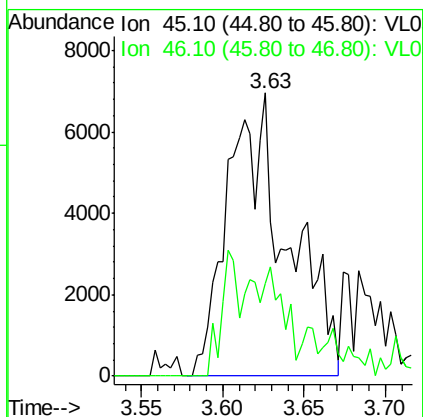
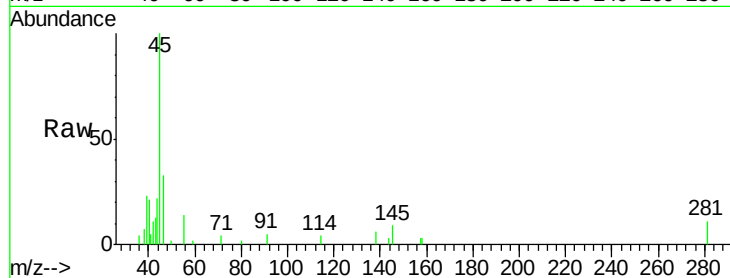
#13
Ethanol
Concen: 1.614 ppbv m
RT: 3.63 min Scan# 261
Delta R.T. 0.02 min
Lab File: VL036175.D
Acq: 16 Dec 2020 20:31

Instrument :
MSVOA_L
ClientSampled :
MIDDLE

Tgt Ion: 45 Resp: 17778
Ion Ratio Lower Upper
45 100
46 38.4 19.0 75.8

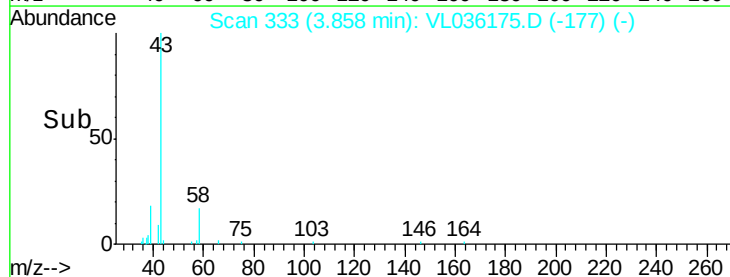
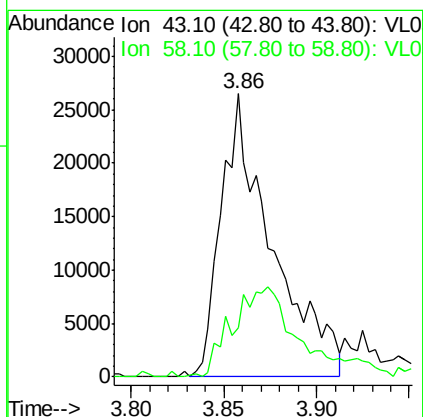
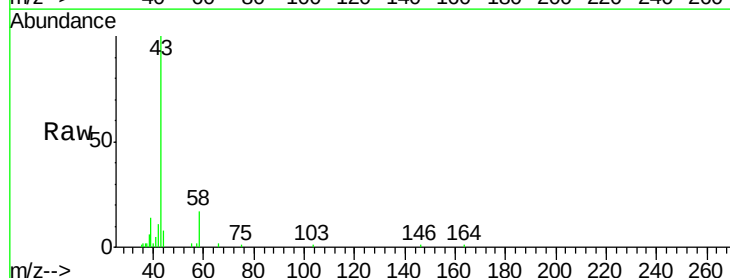
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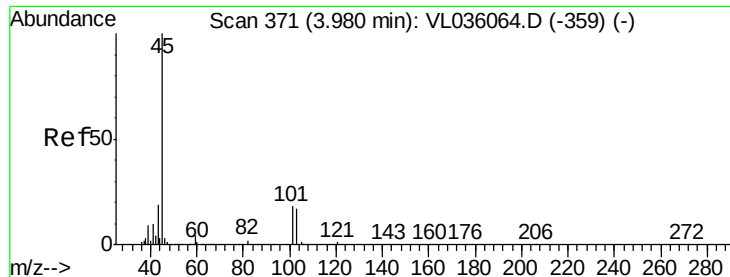
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#15
Acetone
Concen: 0.301 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL036175.D
Acq: 16 Dec 2020 20:31

Tgt Ion: 43 Resp: 50519
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#





#19

Isopropyl Alcohol

Concen: 0.401 ppbv m

RT: 3.98 min Scan# 372

Delta R.T. 0.00 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tgt Ion: 45 Resp: 41203

Ion Ratio Lower Upper

45 100

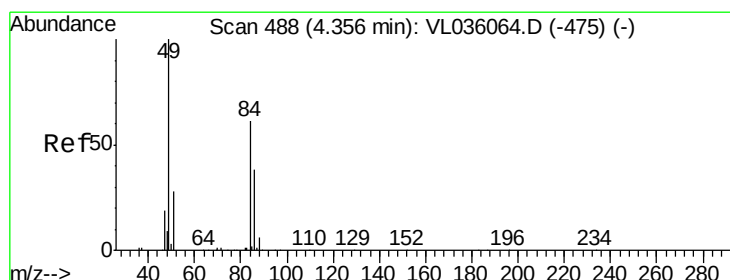
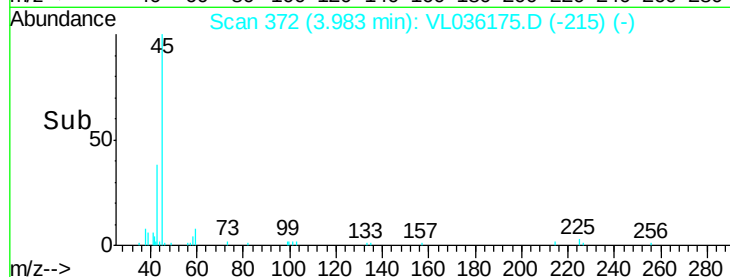
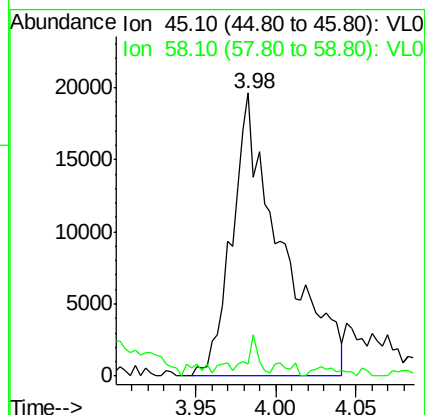
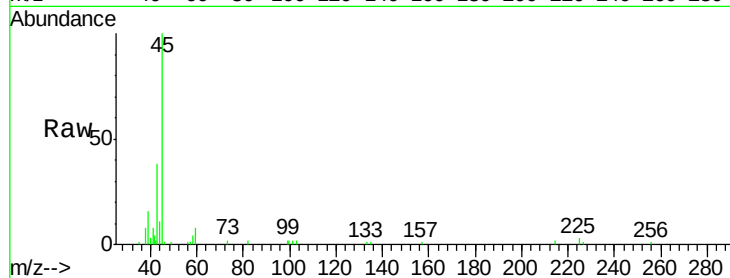
58 7.5 0.0 0.0#

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#20

Methylene Chloride

Concen: 0.379 ppbv m

RT: 4.35 min Scan# 485

Delta R.T. -0.01 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Tgt Ion: 84 Resp: 26067

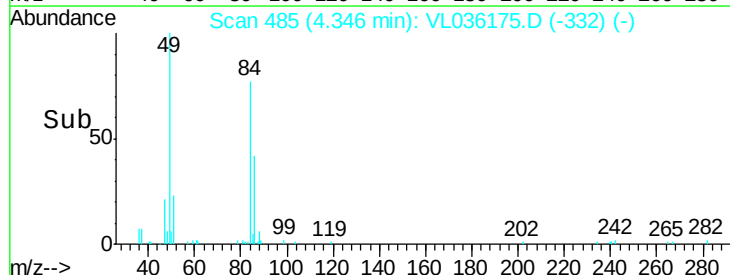
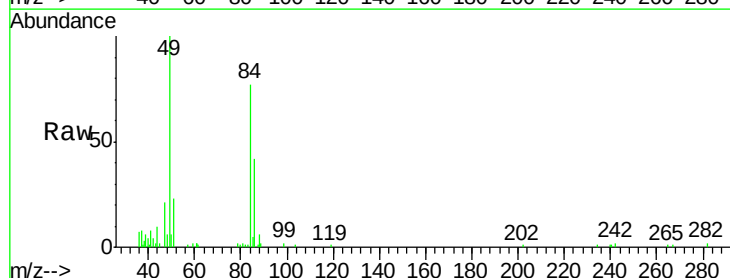
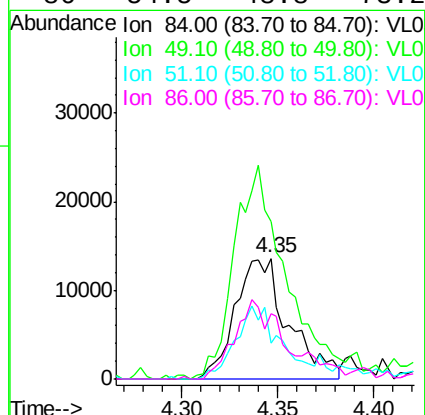
Ion Ratio Lower Upper

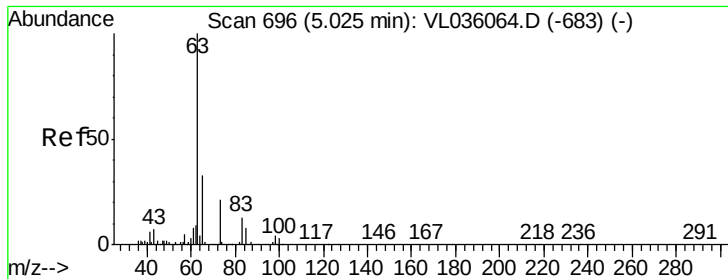
84 100

49 130.5 133.0 199.4#

51 29.4 38.9 58.3#

86 54.5 48.8 73.2





#24

1,1-Dichloroethane

Concen: 0.194 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :

MSVOA_L

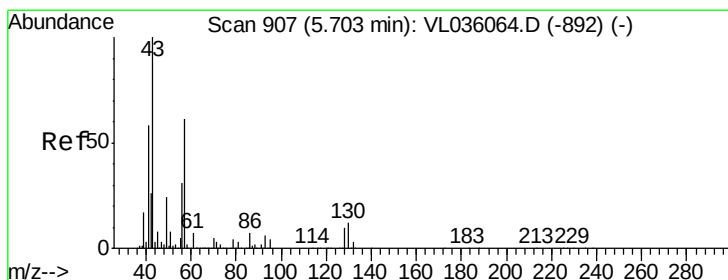
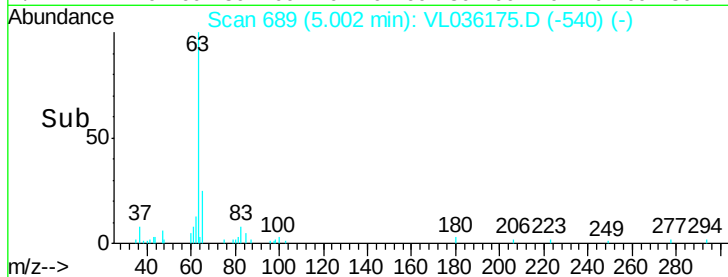
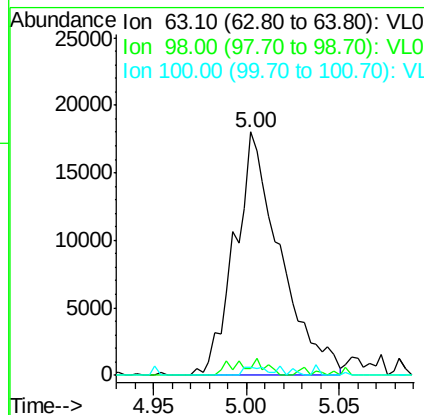
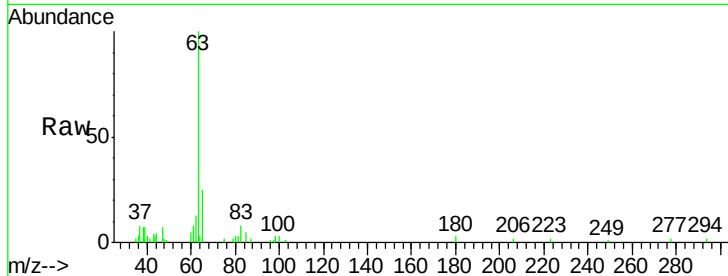
ClientSampleId :

MIDDLE

Tgt Ion	Ratio	Resp	Lower	Upper
63	100	30591		
98	2.8		2.2	6.6
100	3.4		1.5	4.4

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#26

Hexane

Concen: 0.154 ppbv m

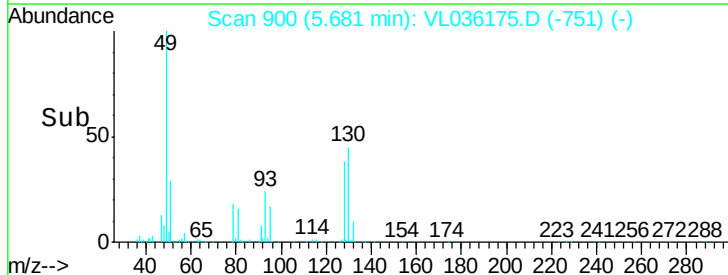
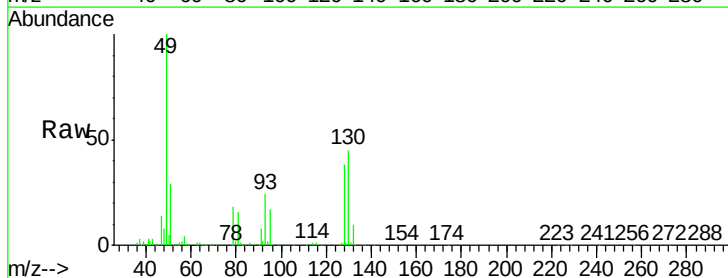
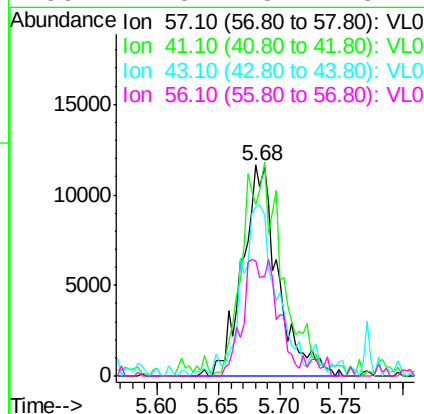
RT: 5.68 min Scan# 900

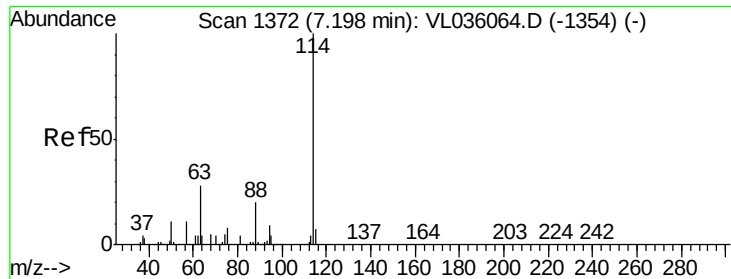
Delta R.T. -0.02 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Tgt Ion	Ratio	Resp	Lower	Upper
57	100	23327		
41	4.2		82.9	124.3#
43	8.9		199.9	299.9#
56	2.0		43.1	64.7#





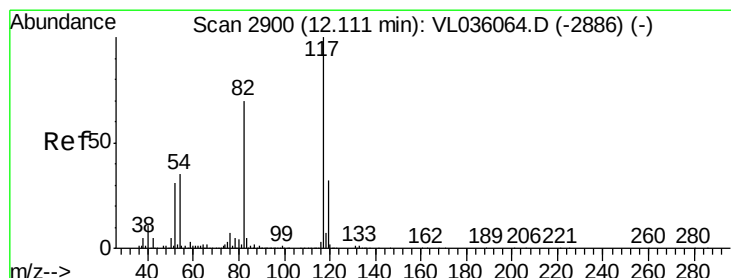
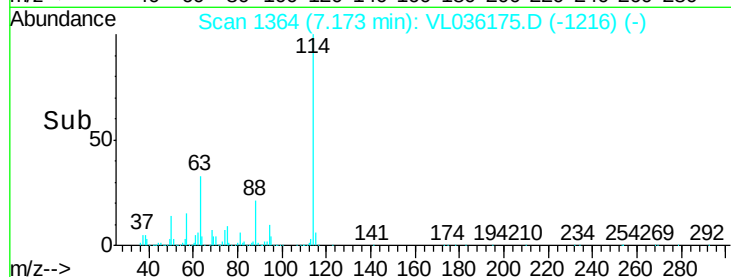
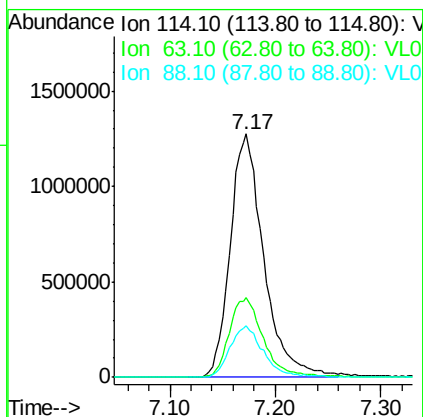
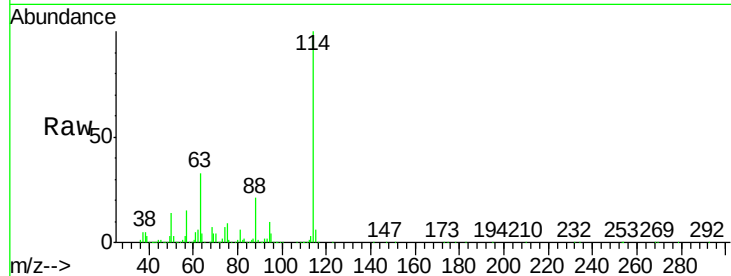
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.03 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
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Tgt Ion:114 Resp: 2813468
 Ion Ratio Lower Upper
 114 100
 63 33.8 23.6 35.4
 88 21.4 15.8 23.6

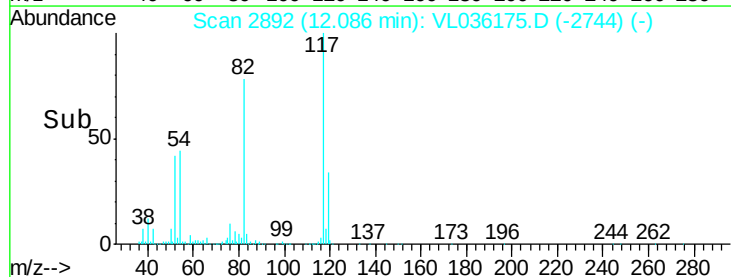
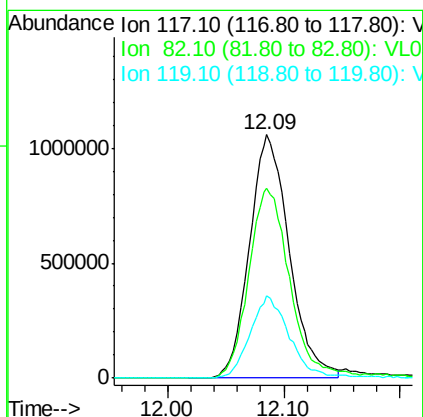
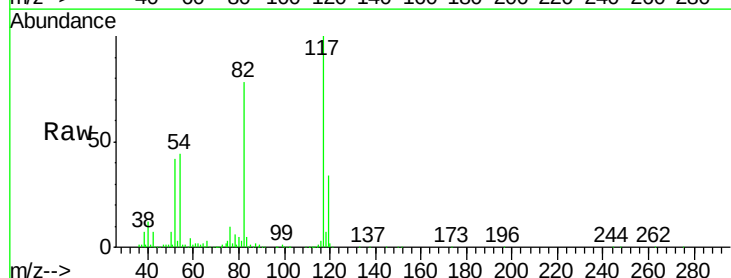
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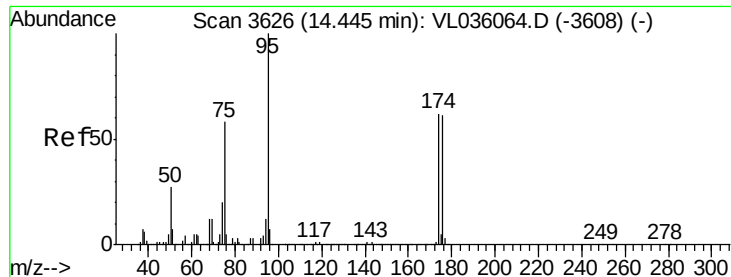
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#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. -0.03 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

Tgt Ion:117 Resp: 2526408
 Ion Ratio Lower Upper
 117 100
 82 83.1 0.0 0.0#
 119 33.8 0.0 0.0#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.152 ppbv
 RT: 14.42 min Scan# 3618
 Delta R.T. -0.03 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tgt Ion: 95 Resp: 2237093
 Ion Ratio Lower Upper
 95 100
 174 56.3 50.7 76.1
 175 3.8 4.0 6.0#

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