

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL036996.D
 Acq On : 19 May 2021 17:48
 Operator : SY/AP
 Sample : M2424-11DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KIA-01DL

Manual Integrations
 APPROVED

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 5/24/2021 3:01:40 PM

Quant Time: May 21 17:02:11 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	5.65	49	1249046	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3696640	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3384044	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2441953	9.61	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	26102	0.319	ppbv	88
13) Ethanol	3.59	45	661337m	60.492	ppbv	
15) Acetone	3.84	43	270931	2.118	ppbv	92
19) Isopropyl Alcohol	3.98	45	48736m	0.709	ppbv	
20) Methylene Chloride	4.33	84	665606	9.706	ppbv	98
26) Hexane	5.67	57	608848	3.877	ppbv #	47

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

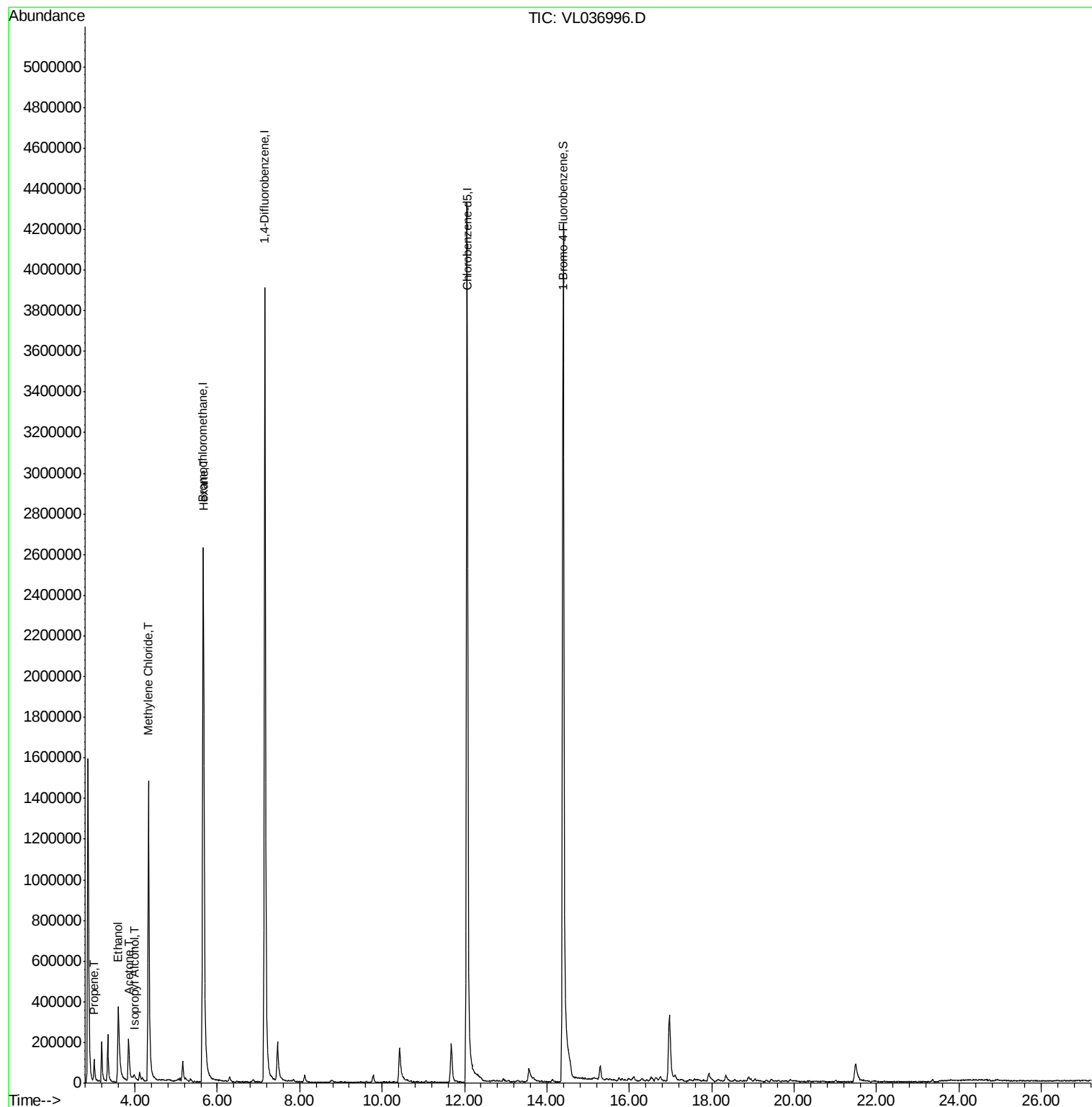
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
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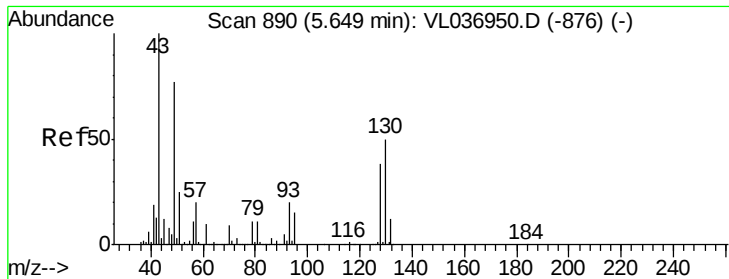
Instrument :
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 890

Delta R.T. -0.00 min

Lab File: VL036996.D

Acq: 19 May 2021 17:48

Instrument :

MSVOA_L

ClientSampleId :

KIA-01DL

Tot Ion: 49 Resp: 1249046

Ion Ratio Lower Upper

49 100

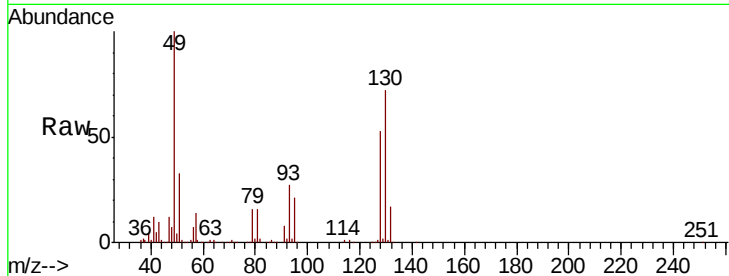
128 56.1 26.9 80.7

130 72.0 33.8 101.4

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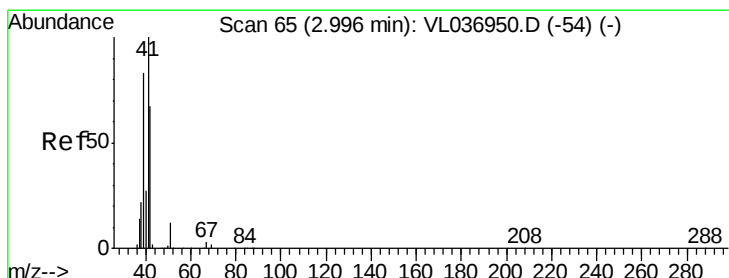
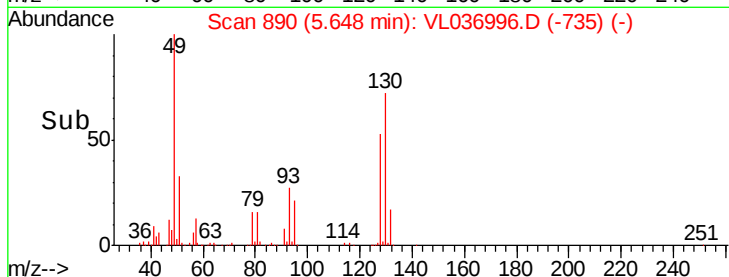
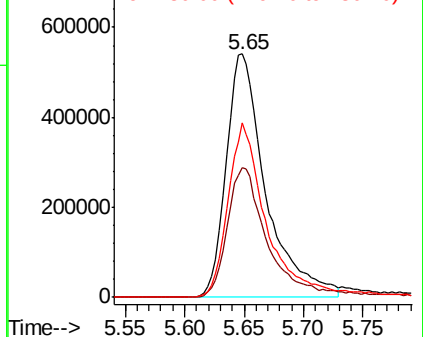
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.319 ppbv

RT: 3.01 min Scan# 68

Delta R.T. 0.01 min

Lab File: VL036996.D

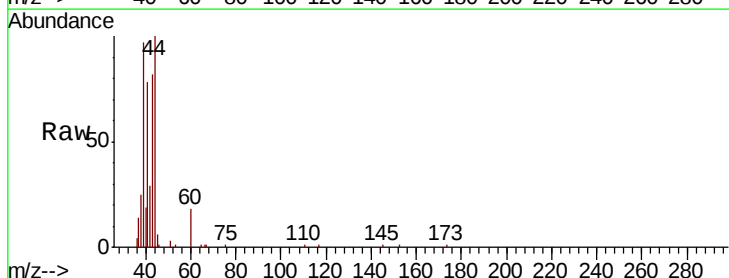
Acq: 19 May 2021 17:48

Tgt Ion: 41 Resp: 26102

Ion Ratio Lower Upper

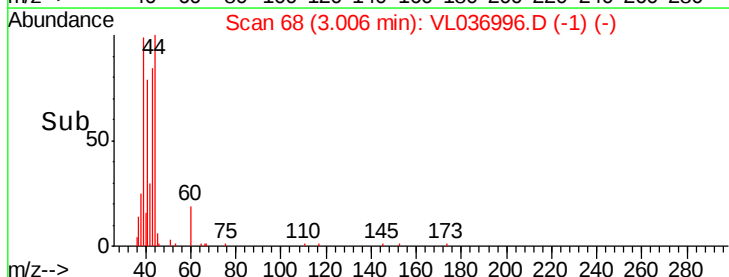
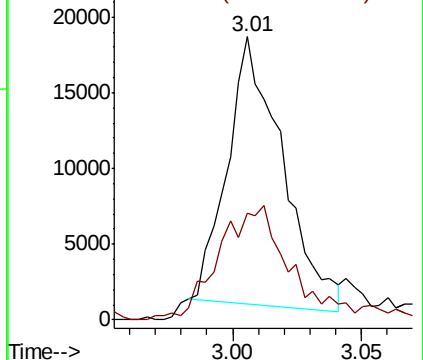
41 100

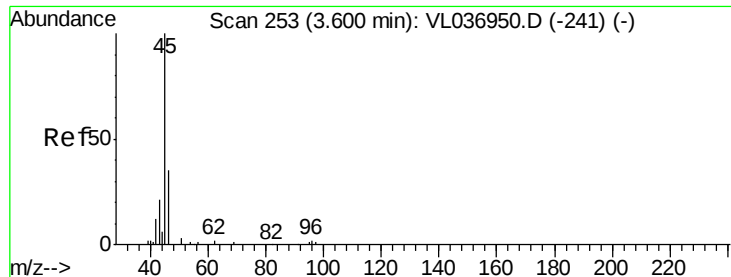
42 58.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





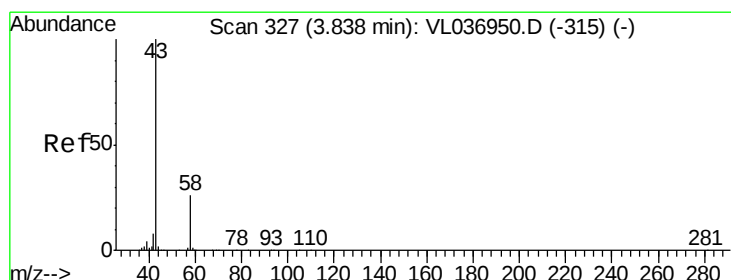
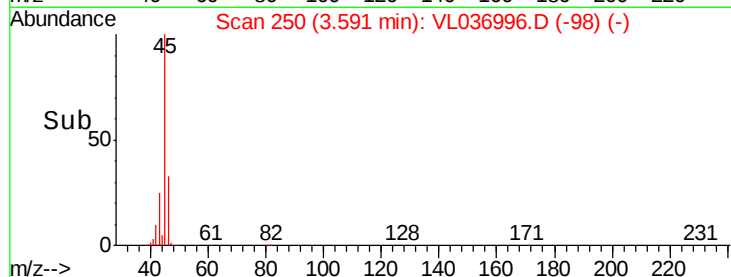
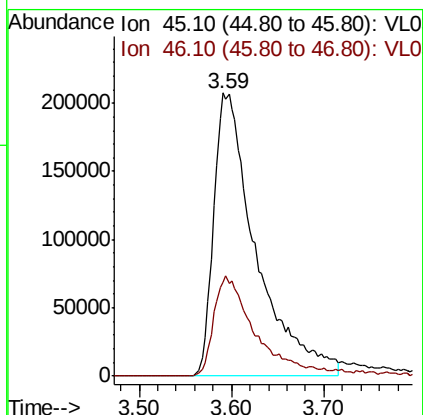
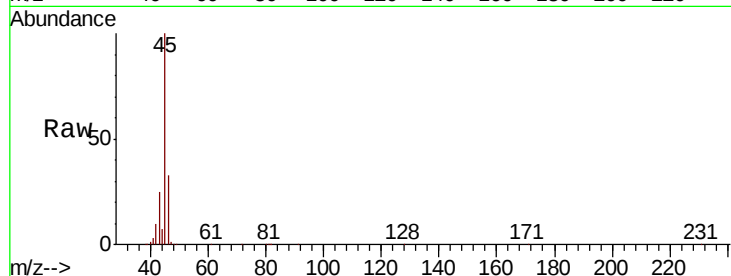
#13
Ethanol
Concen: 60.492 ppbv m
RT: 3.59 min Scan# 250
Delta R.T. -0.01 min
Lab File: VL036996.D
Acq: 19 May 2021 17:48

Instrument :
MSVOA_L
ClientSampleId :
KIA-01DL

Tot Ion	45	Resp	661337
Ion Ratio	100	Lower	Upper
46	36.6	16.3	65.3

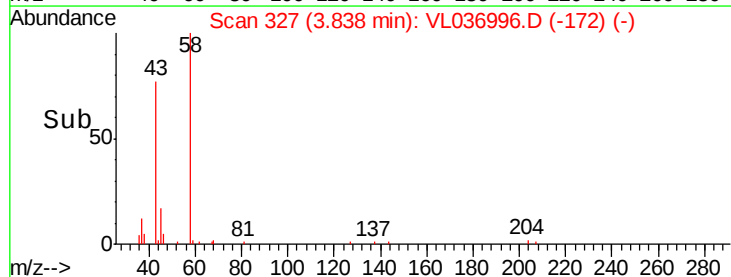
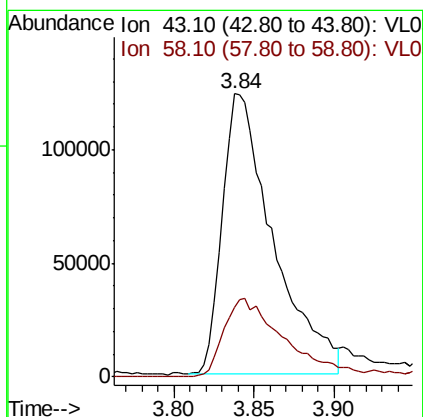
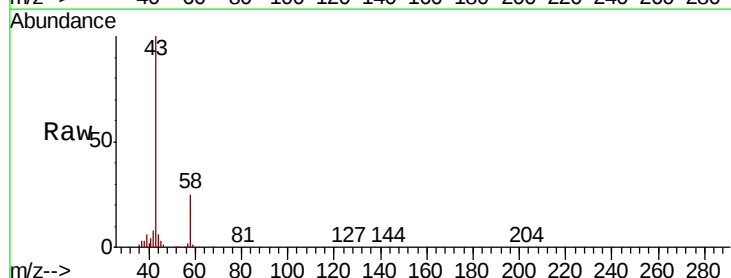
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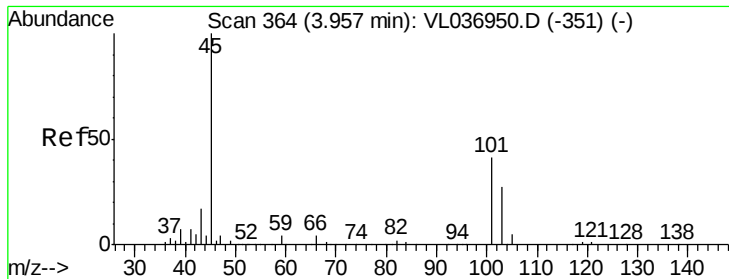
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#15
Acetone
Concen: 2.118 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.00 min
Lab File: VL036996.D
Acq: 19 May 2021 17:48

Tgt Ion	43	Resp	270931
Ion Ratio	100	Lower	Upper
58	34.5	24.0	36.0





#19

Isopropyl Alcohol

Concen: 0.709 ppbv

RT: 3.98 min Scan# 371

Delta R.T. 0.02 min

Lab File: VL036996.D

Acq: 19 May 2021 17:48

Instrument :

MSVOA_L

ClientSampleId :

KIA-01DL

Tot Ion: 45 Resp: 48736

Ion Ratio Lower Upper

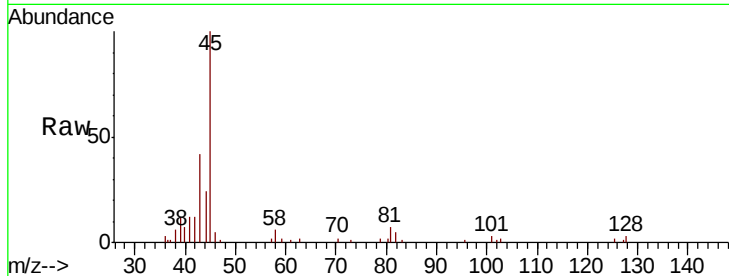
45 100

58 0.0 37.2 55.8#

Manual Integrations
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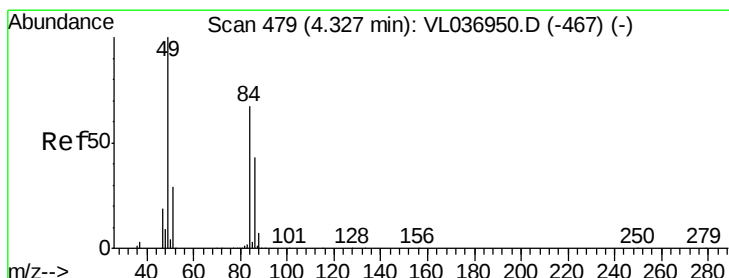
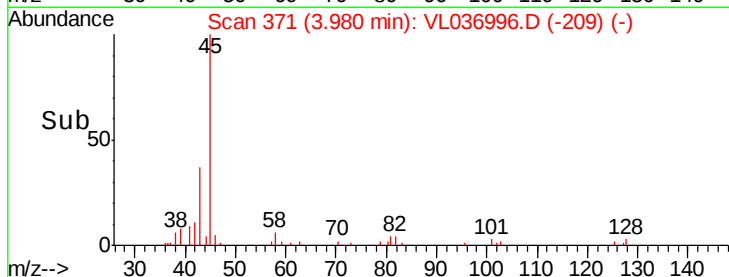
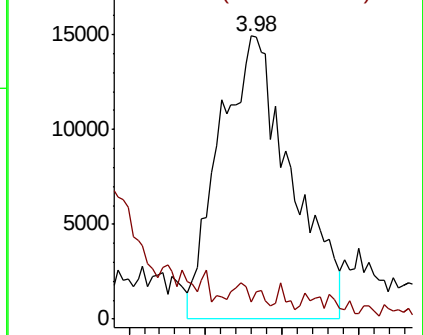
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 9.706 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL036996.D

Acq: 19 May 2021 17:48

Tgt Ion: 84 Resp: 665606

Ion Ratio Lower Upper

84 100

49 146.5 119.8 179.6

51 45.3 35.1 52.7

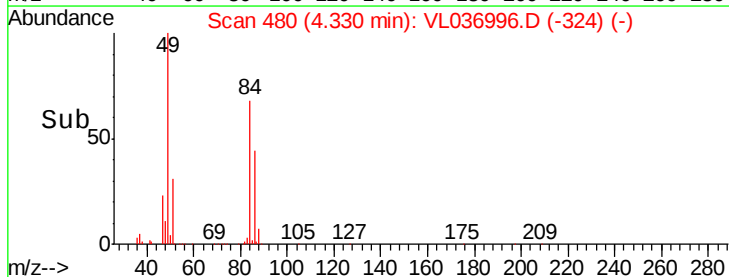
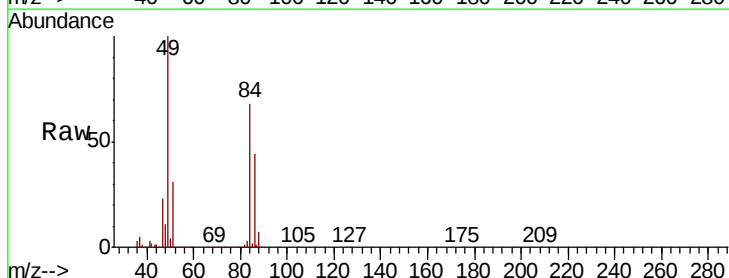
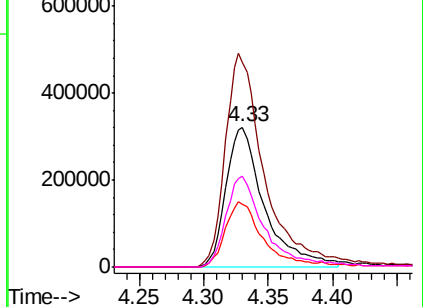
86 64.8 50.9 76.3

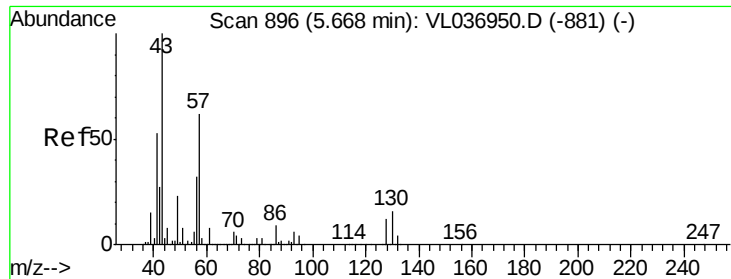
Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0





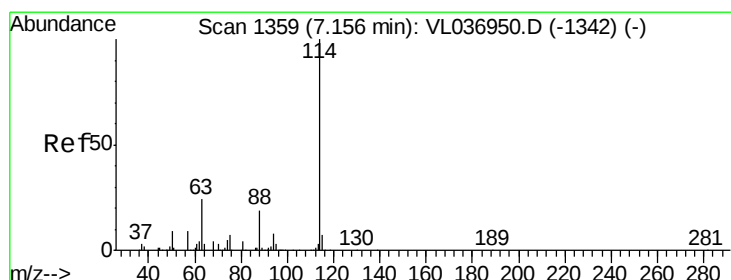
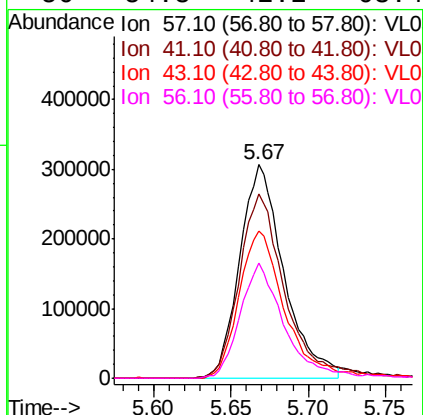
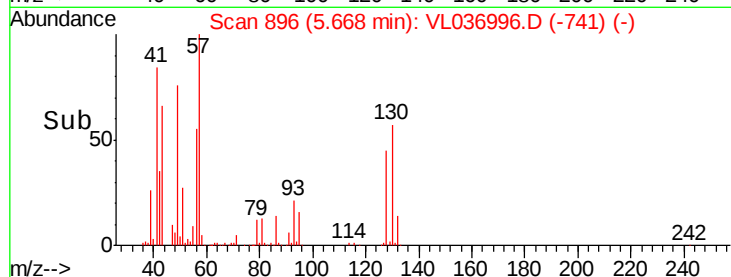
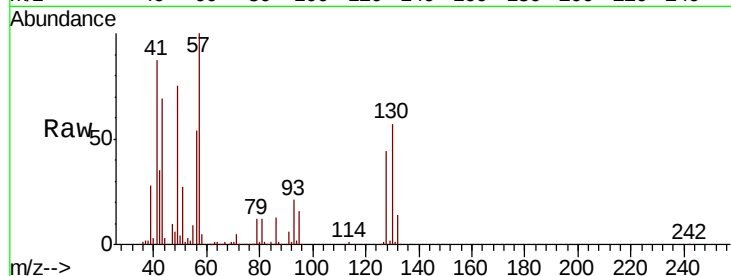
#26
Hexane
Concen: 3.877 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL036996.D
Acq: 19 May 2021 17:48

Instrument :
MSVOA_L
ClientSampled :
KIA-01DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	91.3	70.5	105.7
43	72.7	165.8	248.8#
56	54.8	42.2	63.4

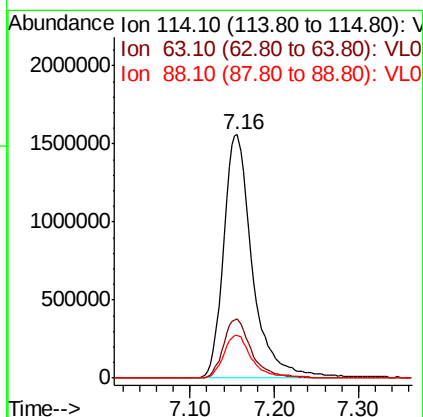
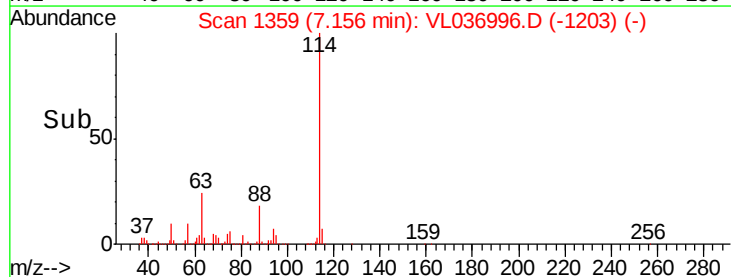
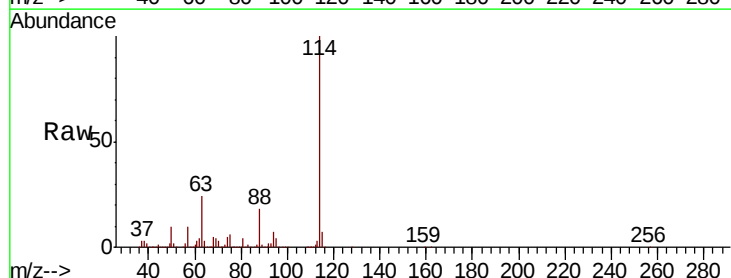
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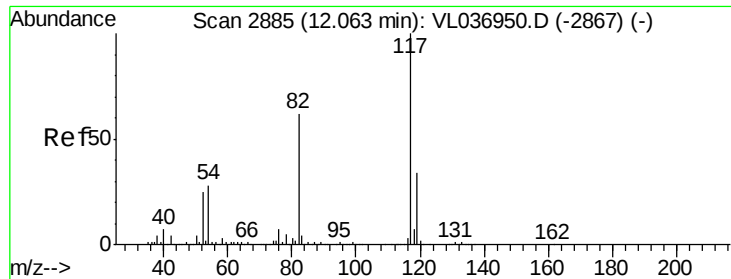
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#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL036996.D
Acq: 19 May 2021 17:48

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.7	14.6	21.8





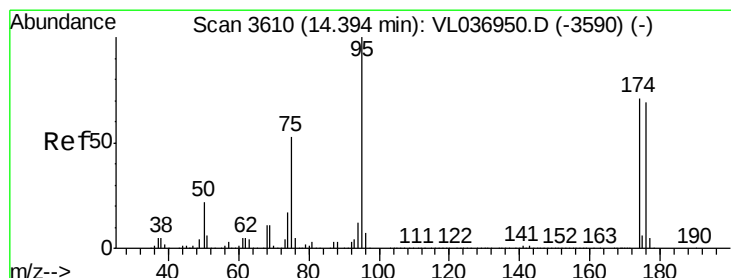
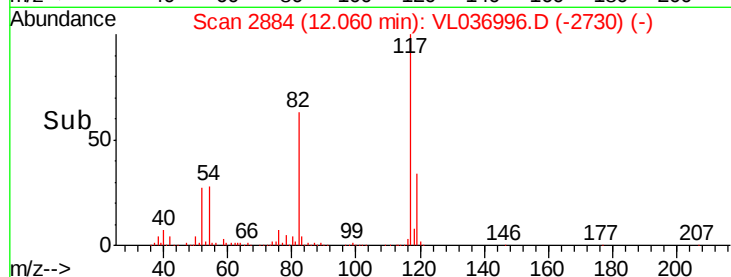
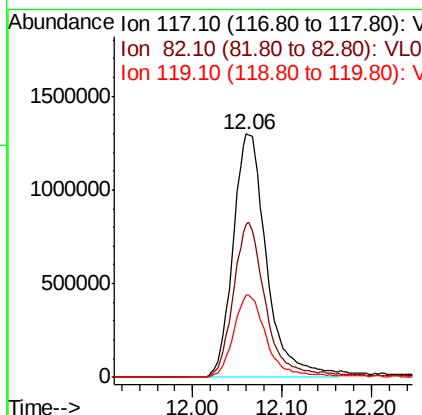
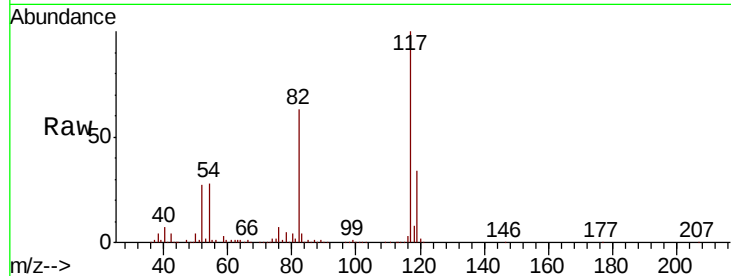
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL036996.D
Acq: 19 May 2021 17:48

Instrument :
MSVOA_L
ClientSampleId :
KIA-01DL

Tot Ion:117 Resp: 3384044
Ion Ratio Lower Upper
117 100
82 63.2 52.6 79.0
119 33.9 46.6 70.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.606 ppbv
RT: 14.39 min Scan# 3609
Delta R.T. -0.00 min
Lab File: VL036996.D
Acq: 19 May 2021 17:48

Tgt Ion: 95 Resp: 2441953
Ion Ratio Lower Upper
95 100
174 76.7 58.4 87.6
175 5.6 4.4 6.6

