

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037000.D
 Acq On : 19 May 2021 20:25
 Operator : SY/AP
 Sample : M2424-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03DL

Manual Integrations
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Quant Time: May 22 22:13:39 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	1205285	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3455098	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3209919	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2494454	10.34	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.12	50	11569m	0.154	ppbv	
9) Propene	3.00	41	33503	0.424	ppbv	96
10) Heptane	8.10	43	116520m	0.591	ppbv	
13) Ethanol	3.60	45	79592	7.545	ppbv	94
15) Acetone	3.83	43	1675634	13.573	ppbv	98
20) Methylene Chloride	4.33	84	170415	2.575	ppbv	95
26) Hexane	5.66	57	160725	1.061	ppbv #	43
34) 2-Butanone	5.23	43	127871m	1.016	ppbv	
53) Toluene	9.78	91	176665m	0.499	ppbv	

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

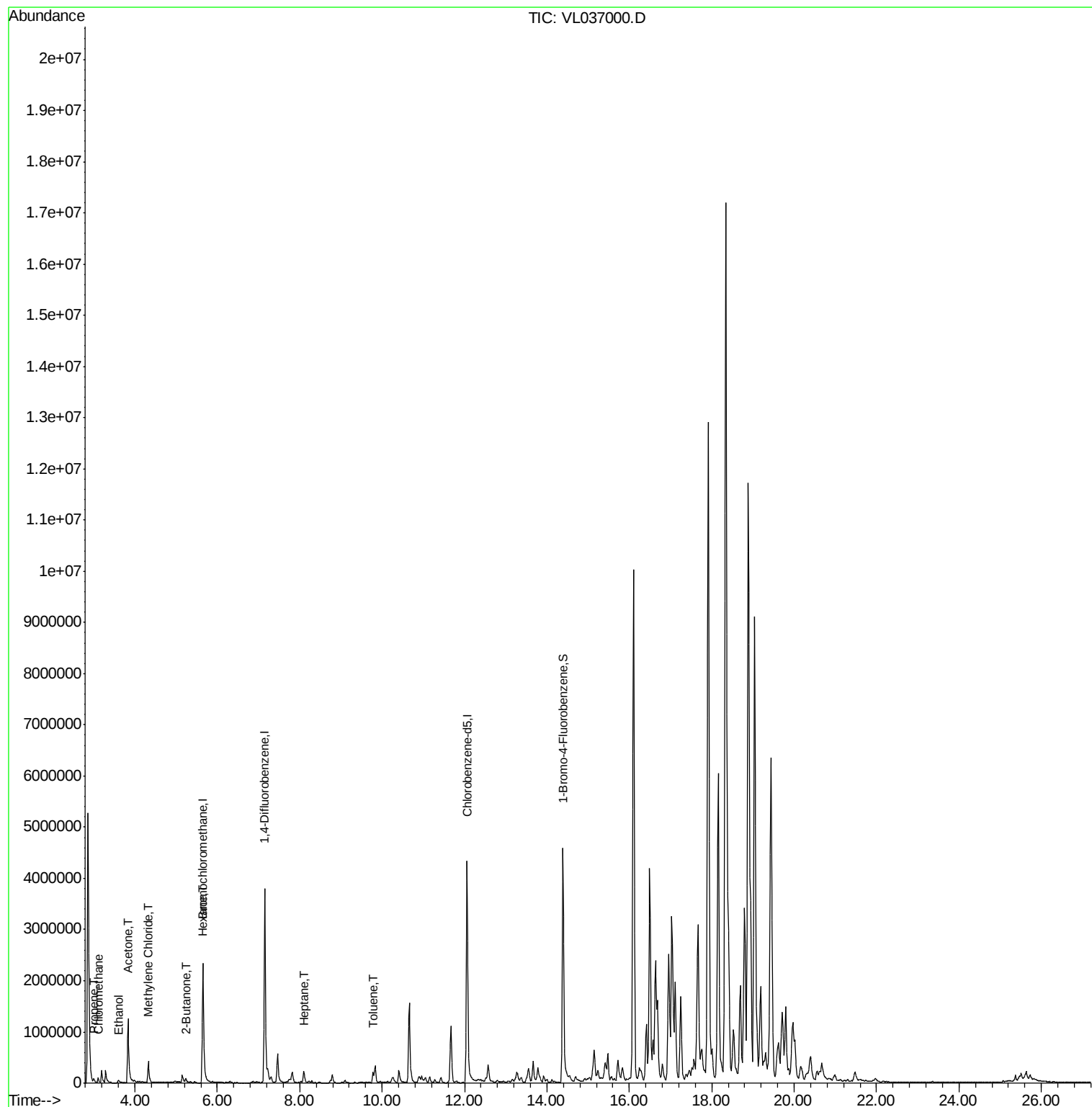
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037000.D
Acq On : 19 May 2021 20:25
Operator : SY/AP
Sample : M2424-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

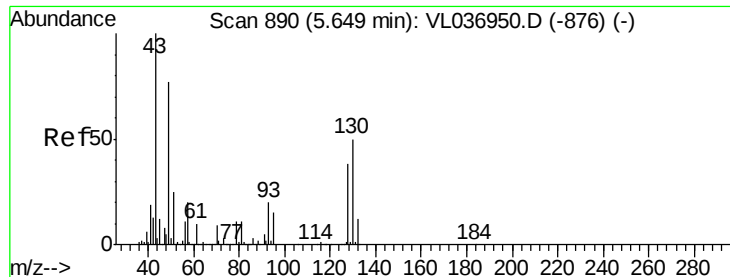
Instrument :
MSVOA_L
ClientSampleId :
KSV-03DL

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Quant Time: May 22 22:13:39 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.00 min

Lab File: VL037000.D

Acq: 19 May 2021 20:25

Instrument :

MSVOA_L

ClientSampleId :

KSV-03DL

Tot Ion: 49 Resp: 1205285

Ion Ratio Lower Upper

49 100

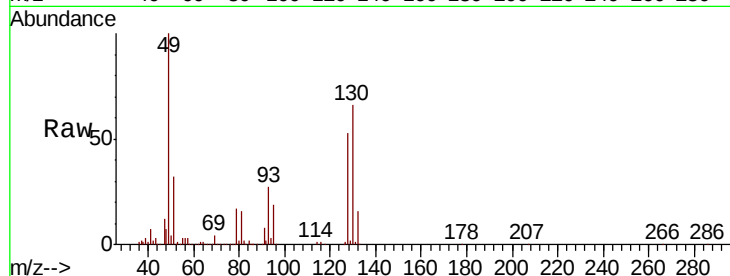
128 53.6 26.9 80.7

130 69.1 33.8 101.4

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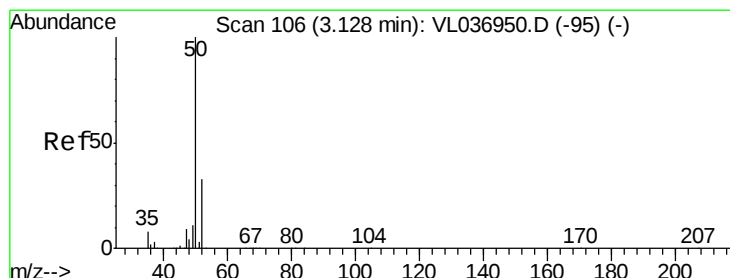
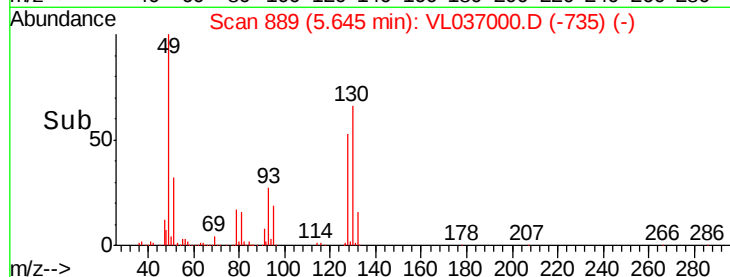
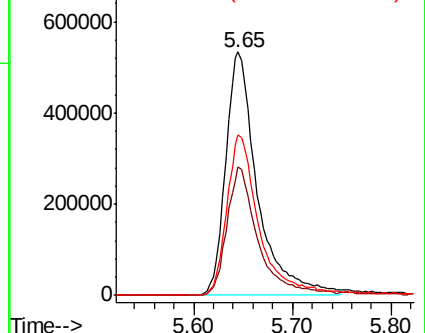
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#4

Chloromethane

Concen: 0.154 ppbv m

RT: 3.12 min Scan# 104

Delta R.T. -0.01 min

Lab File: VL037000.D

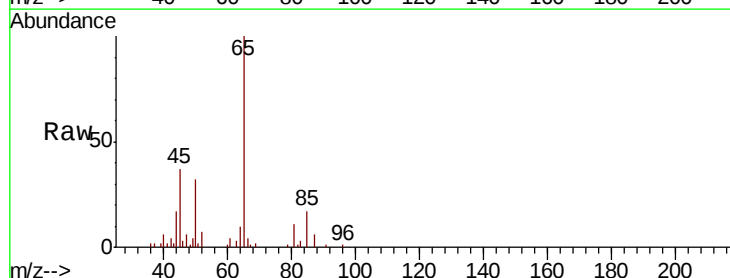
Acq: 19 May 2021 20:25

Tgt Ion: 50 Resp: 11569

Ion Ratio Lower Upper

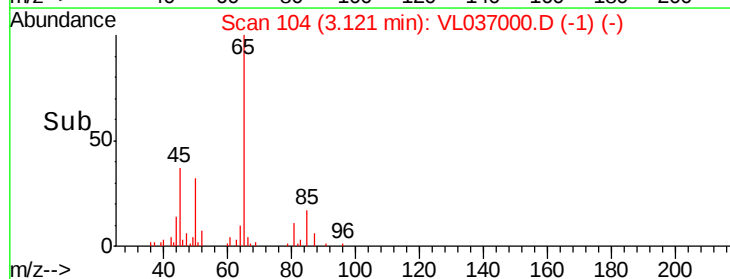
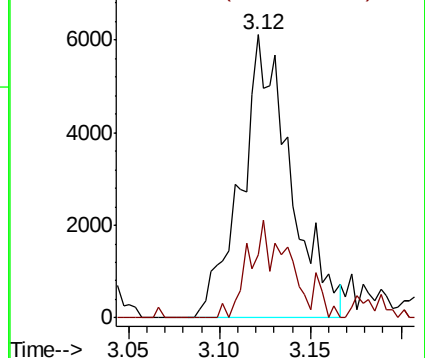
50 100

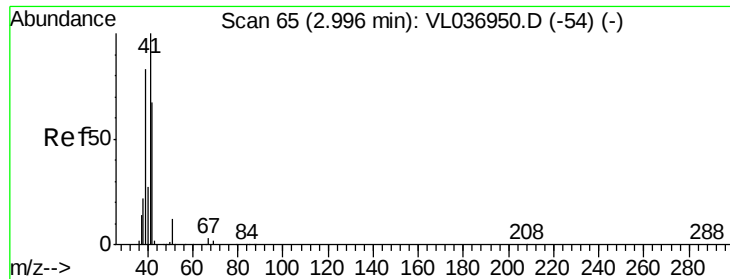
52 22.2 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.424 ppbv

RT: 3.00 min Scan# 66

Delta R.T. 0.00 min

Lab File: VL037000.D

Acq: 19 May 2021 20:25

Instrument :

MSVOA_L

ClientSampleId :

KSV-03DL

Tot Ion: 41 Resp: 33503

Ion Ratio Lower Upper

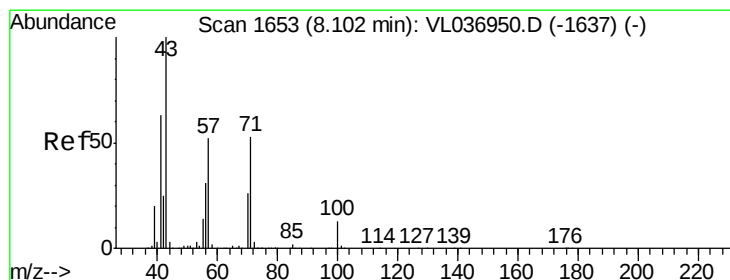
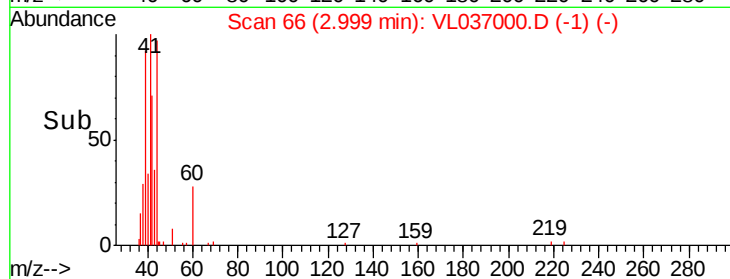
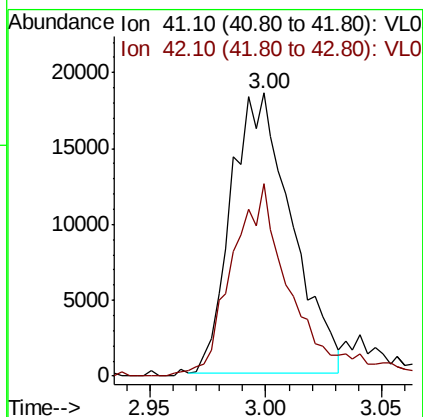
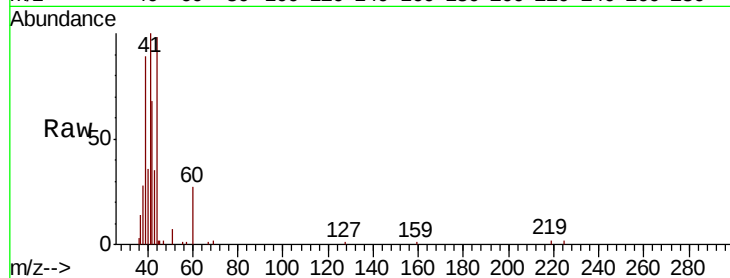
41 100

42 70.3 53.9 80.9

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#10

Heptane

Concen: 0.591 ppbv m

RT: 8.10 min Scan# 1651

Delta R.T. -0.01 min

Lab File: VL037000.D

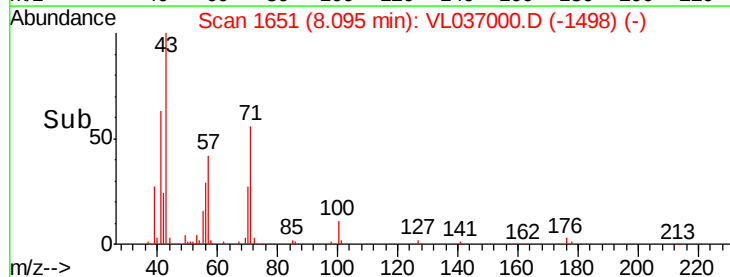
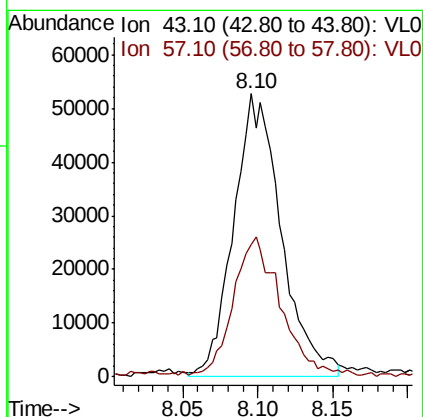
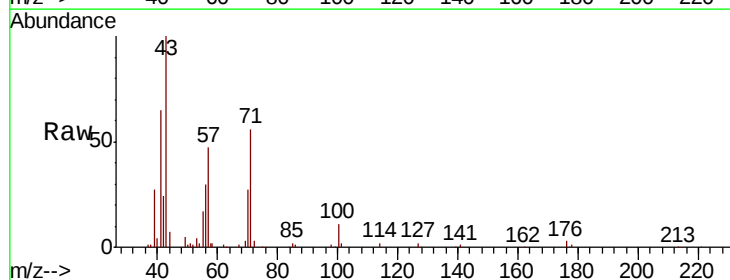
Acq: 19 May 2021 20:25

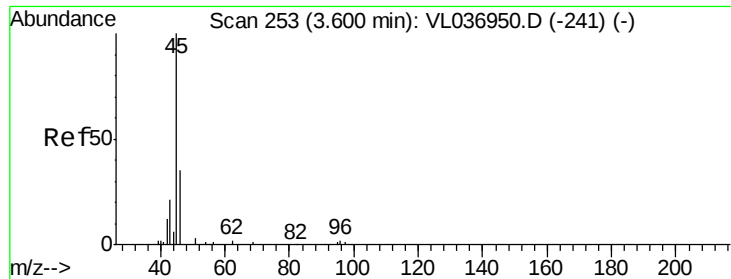
Tgt Ion: 43 Resp: 116520

Ion Ratio Lower Upper

43 100

57 0.0 41.0 61.6#





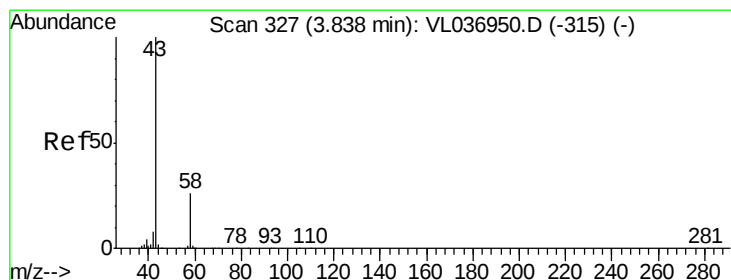
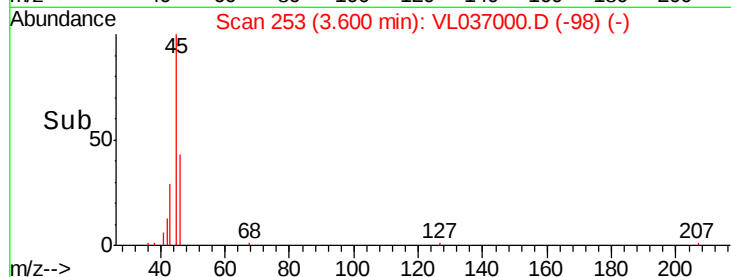
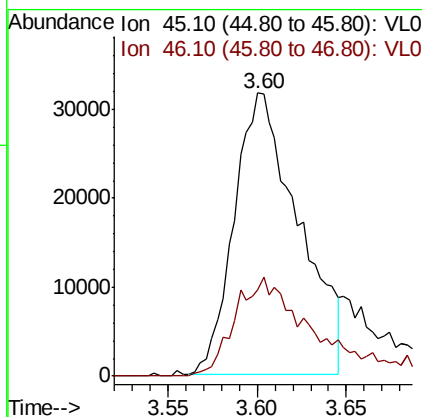
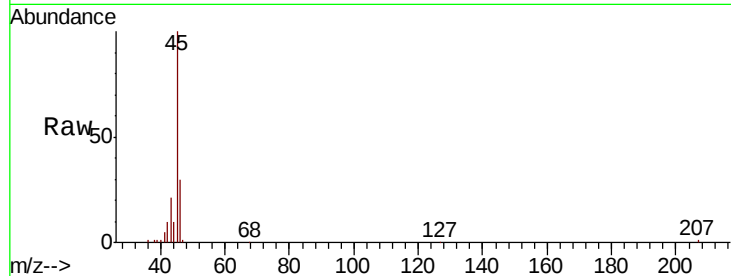
#13
Ethanol
Concen: 7.545 ppbv
RT: 3.60 min Scan# 253
Delta R.T. -0.00 min
Lab File: VL037000.D
Acq: 19 May 2021 20:25

Instrument :
MSVOA_L
ClientSampleId :
KSV-03DL

Tot Ion	45	46	Ratio	Lower	Upper
79592	100	44.8		16.3	65.3

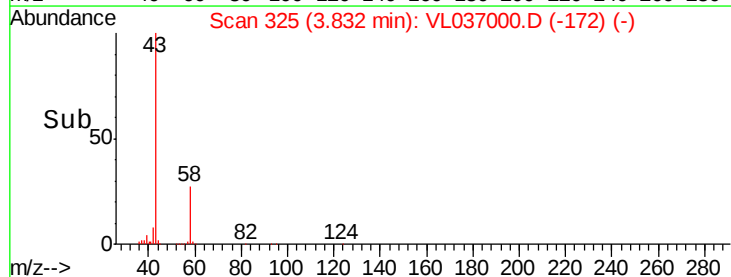
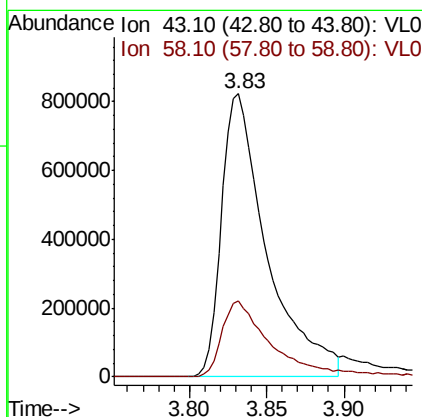
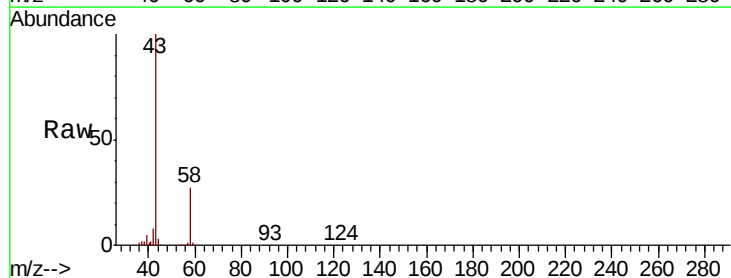
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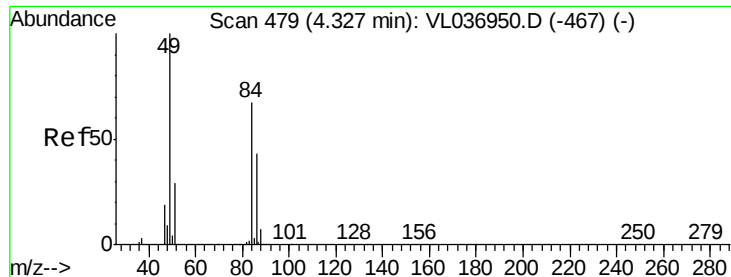
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#15
Acetone
Concen: 13.573 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL037000.D
Acq: 19 May 2021 20:25

Tgt Ion	43	58	Ratio	Lower	Upper
1675634	100	31.1		24.0	36.0





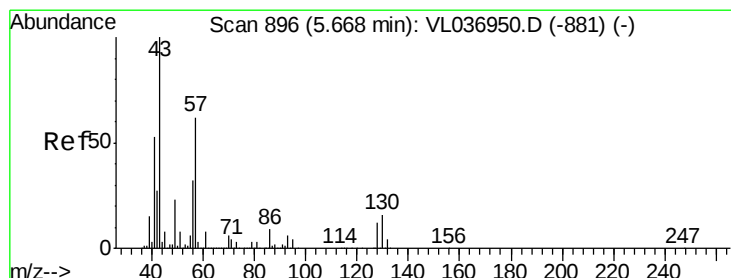
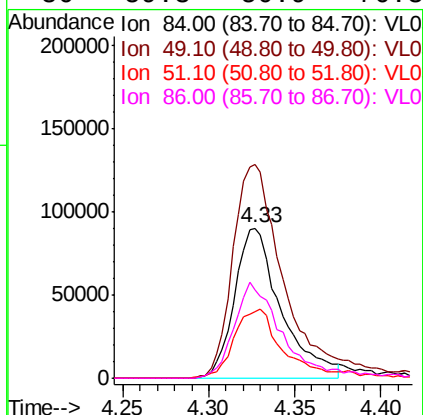
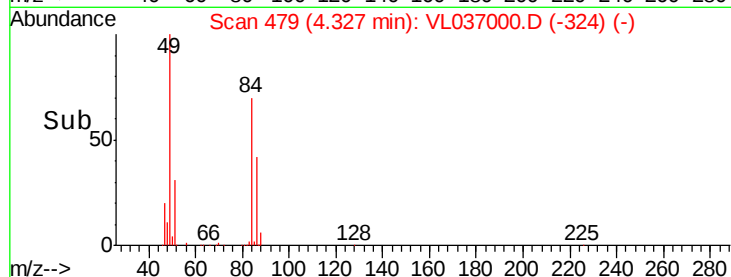
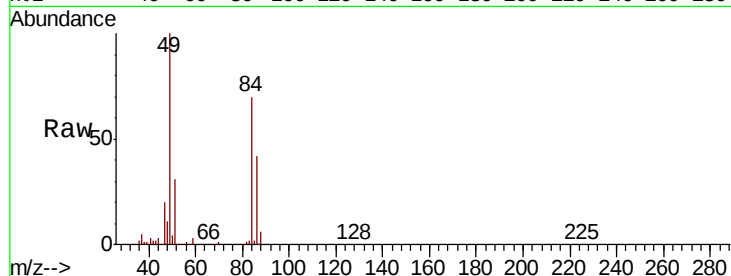
#20
Methylene Chloride
Concen: 2.575 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037000.D
Acq: 19 May 2021 20:25

Instrument :
MSVOA_L
ClientSampleId :
KSV-03DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	142.0	119.8	179.6		
51	44.5	35.1	52.7		
86	59.3	50.9	76.3		

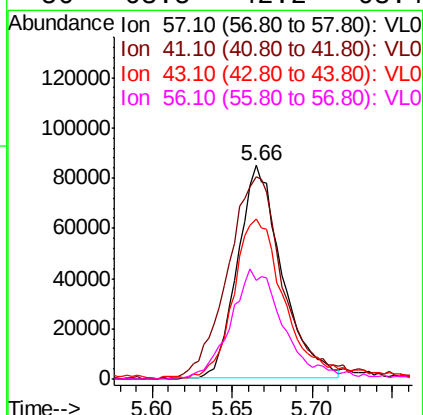
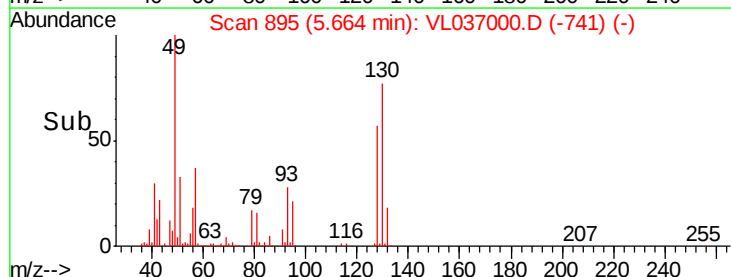
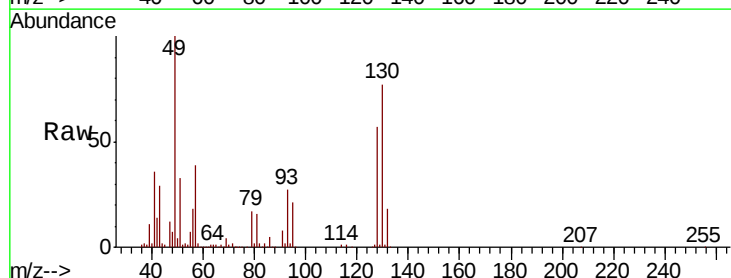
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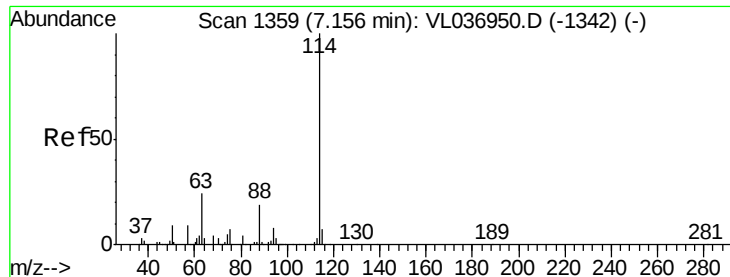
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#26
Hexane
Concen: 1.061 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL037000.D
Acq: 19 May 2021 20:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	125.3	70.5	105.7#		
43	91.5	165.8	248.8#		
56	63.5	42.2	63.4#		





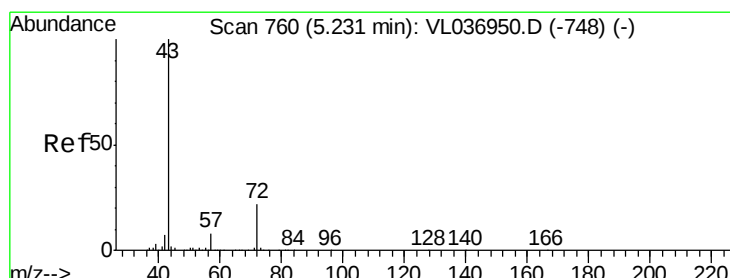
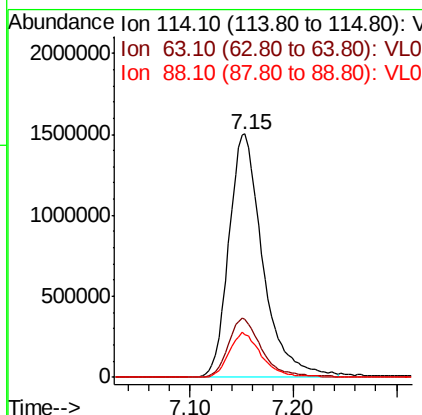
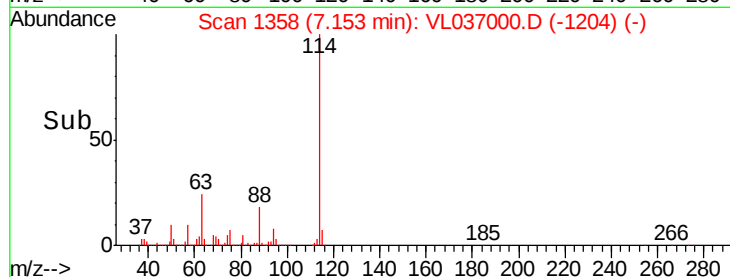
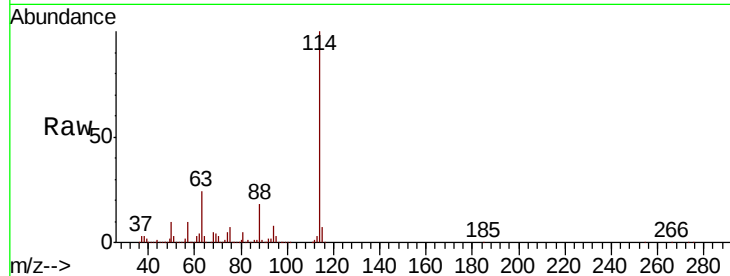
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.00 min
 Lab File: VL037000.D
 Acq: 19 May 2021 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.3	19.6	29.4
88	17.9	14.6	21.8

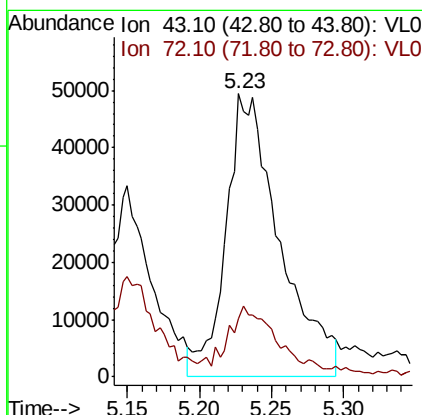
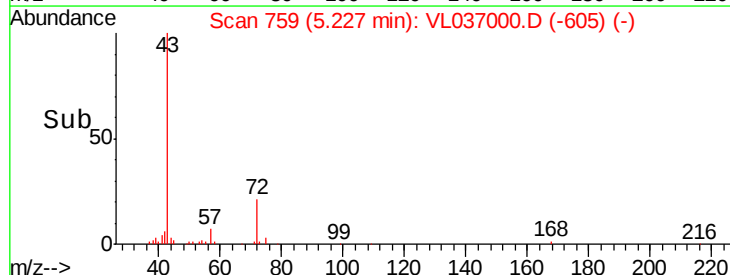
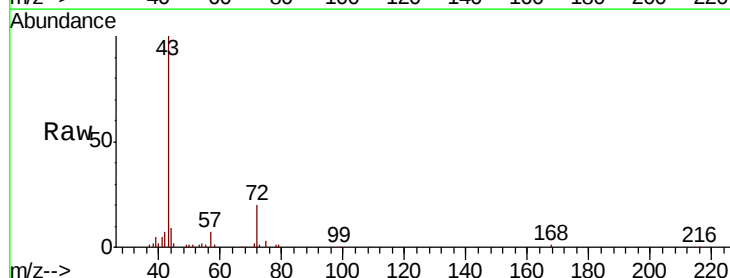
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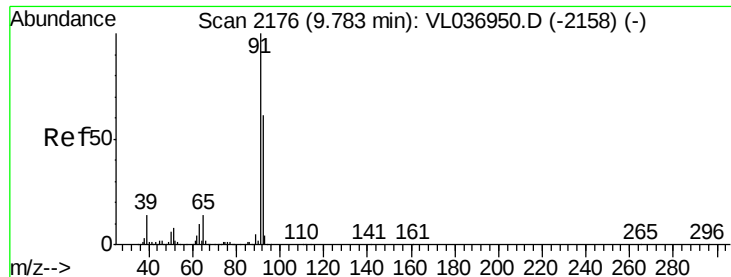
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#34
 2-Butanone
 Concen: 1.016 ppbv m
 RT: 5.23 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: VL037000.D
 Acq: 19 May 2021 20:25

Tgt Ion	Ratio	Lower	Upper
43	100		
72	25.8	19.0	28.4





#53

Toluene

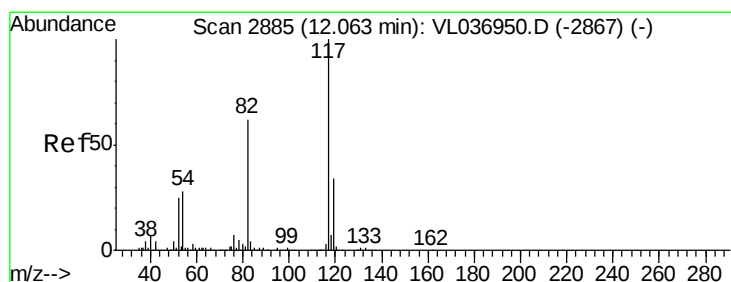
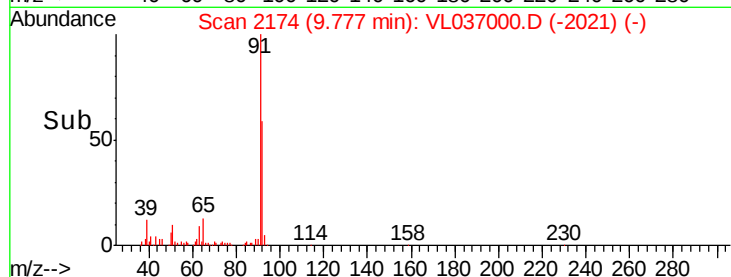
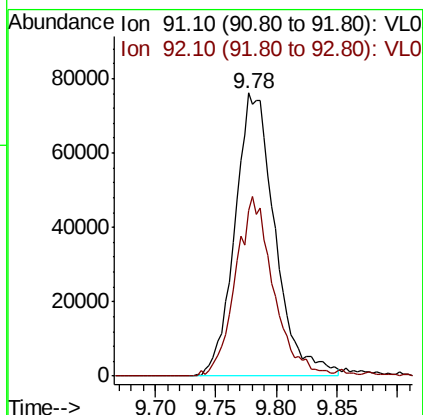
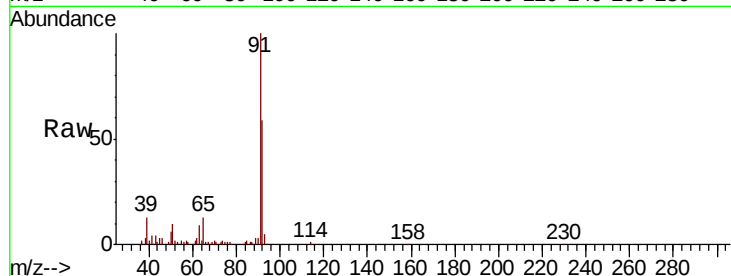
Concen: 0.499 ppbv m
RT: 9.78 min Scan# 2174
Delta R.T. -0.01 min
Lab File: VL037000.D
Acq: 19 May 2021 20:25

Instrument :
MSVOA_L
ClientSampleId :
KSV-03DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
91	100		176665		
92	60.6	49.5	74.3		

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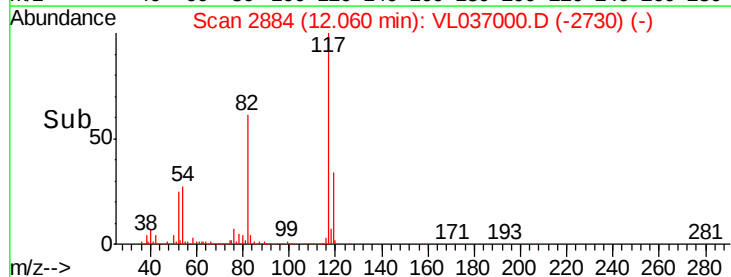
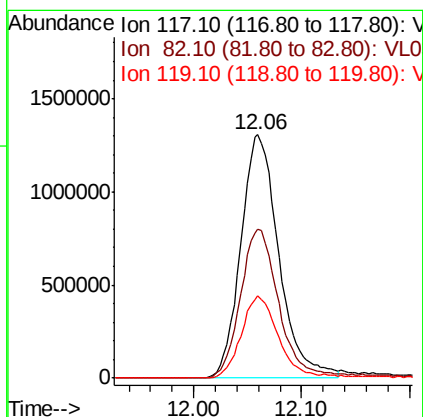
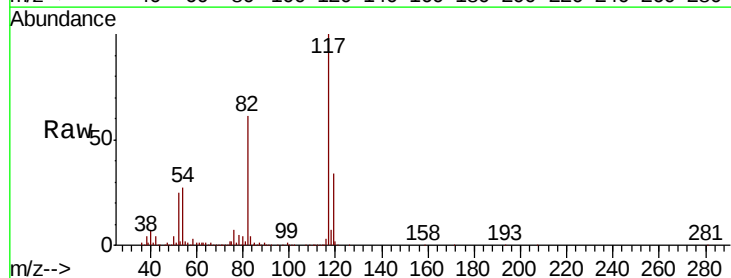


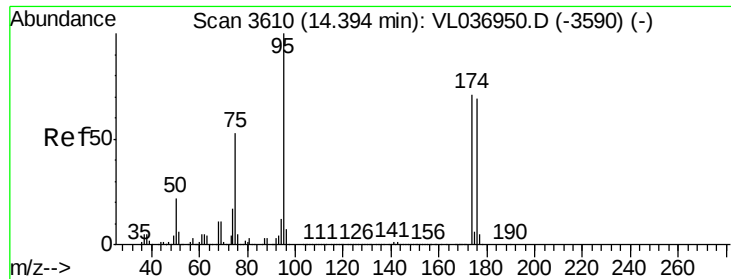
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.06 min Scan# 2884
Delta R.T. -0.00 min
Lab File: VL037000.D
Acq: 19 May 2021 20:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
117	100		3209919		
82	64.2	52.6	79.0		
119	34.3	46.6	70.0		





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.345 ppbv
 RT: 14.39 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VL037000.D
 Acq: 19 May 2021 20:25

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-03DL

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	76.2	58.4	87.6	
175	5.4	4.4	6.6	

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