

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037005.D
 Acq On : 19 May 2021 23:48
 Operator : SY/AP
 Sample : M2424-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-06DL

Manual Integrations
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 5/24/2021 3:02:13 PM

Quant Time: May 22 22:41:46 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	1130969	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3264200	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	2995748	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2363500	10.50	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.99	41	30022	0.405	ppbv	91
13) Ethanol	3.60	45	41263	4.168	ppbv	91
15) Acetone	3.83	43	952547	8.223	ppbv	98
20) Methylene Chloride	4.33	84	191174	3.079	ppbv #	85
26) Hexane	5.66	57	170811	1.201	ppbv #	44
29) Chloroform	5.73	83	53627m	0.267	ppbv	
32) 1,1,1-Trichloroethane	6.48	97	184219	0.854	ppbv	98
34) 2-Butanone	5.23	43	69635m	0.586	ppbv	
52) Tetrachloroethene	11.19	164	12069m	0.108	ppbv	
53) Toluene	9.77	91	34436	0.103	ppbv	99

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

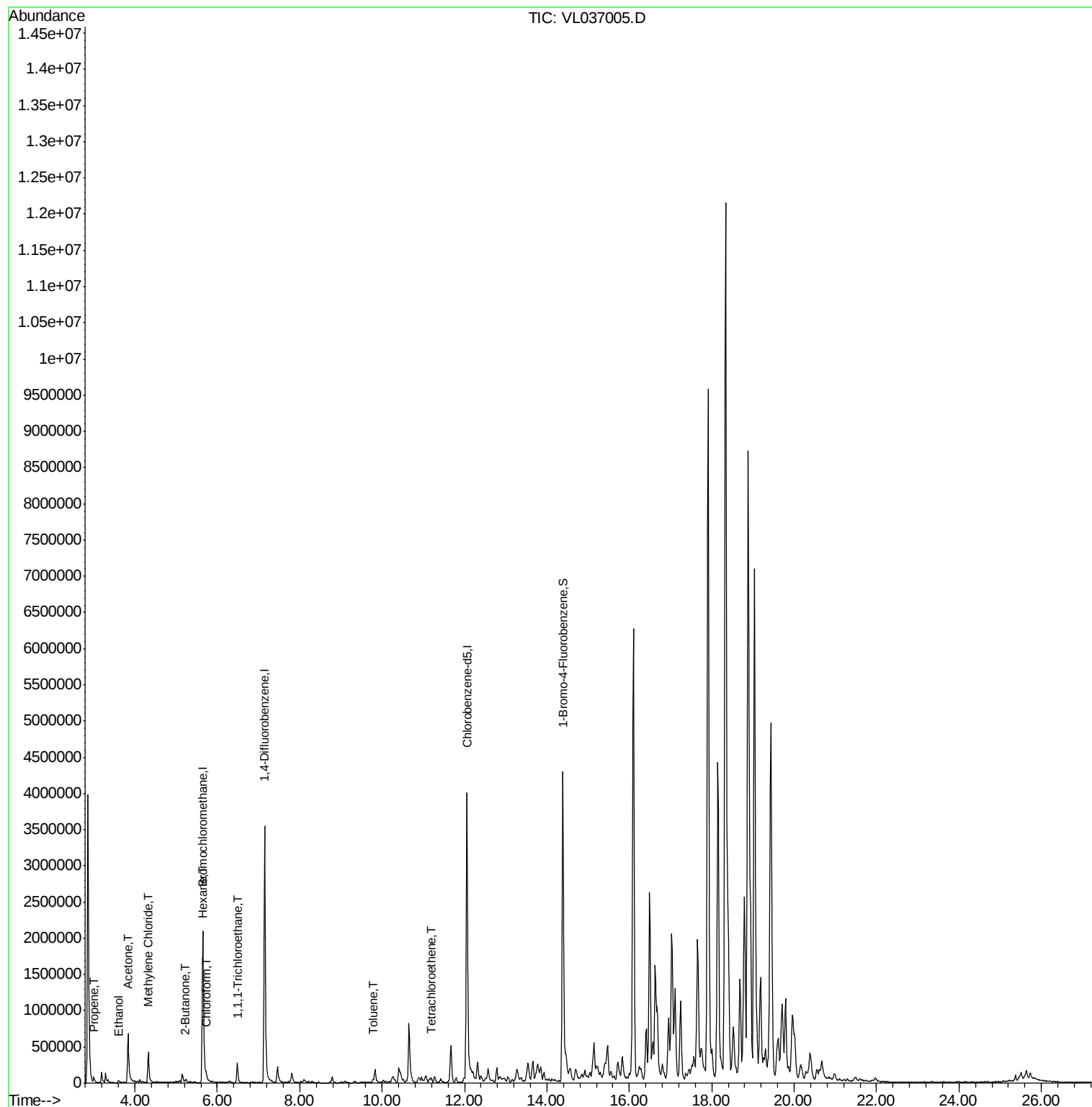
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
Data File : VL037005.D
Acq On : 19 May 2021 23:48
Operator : SY/AP
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Misc : 400mL/MSVOA L
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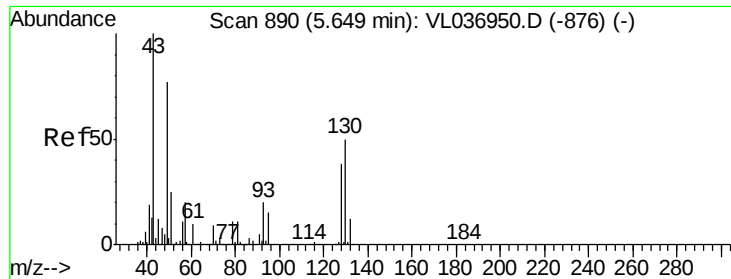
Instrument :
MSVOA_L
ClientSampleId :
KSV-06DL

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5/24/2021 3:02:13 PM

Quant Time: May 22 22:41:46 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# 888

Delta R.T. -0.01 min

Lab File: VL037005.D

Acq: 19 May 2021 23:48

Instrument :

MSVOA_L

ClientSampleId :

KSV-06DL

Tot Ion: 49 Resp: 1130969

Ion Ratio Lower Upper

49 100

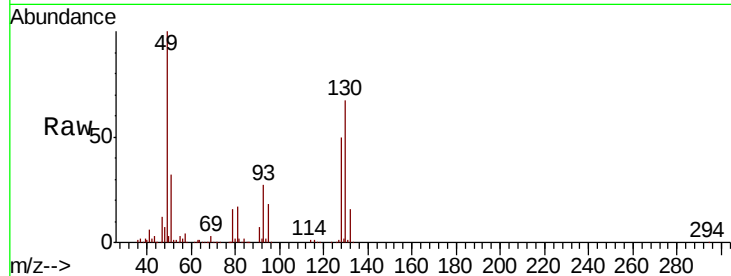
128 52.7 26.9 80.7

130 69.5 33.8 101.4

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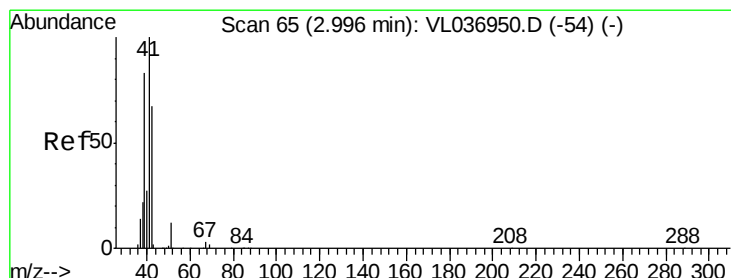
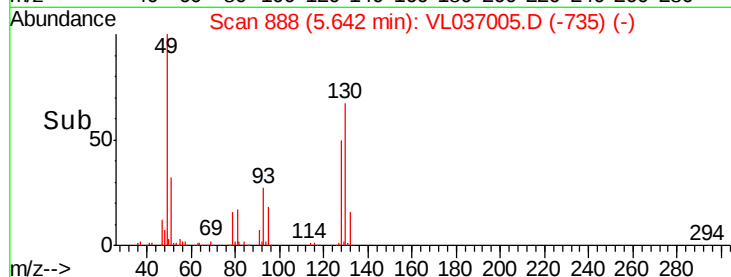
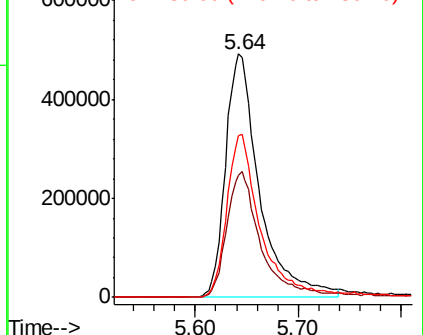
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 0.405 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.00 min

Lab File: VL037005.D

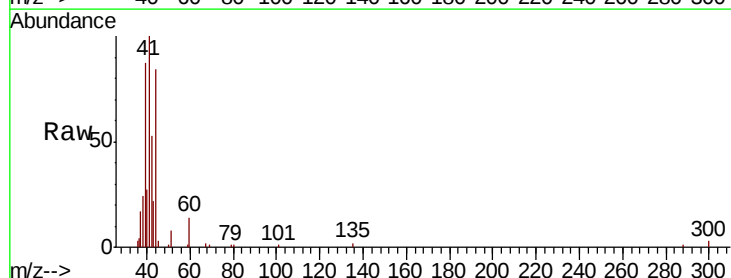
Acq: 19 May 2021 23:48

Tgt Ion: 41 Resp: 30022

Ion Ratio Lower Upper

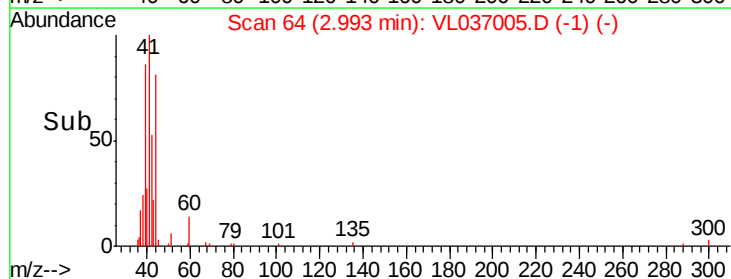
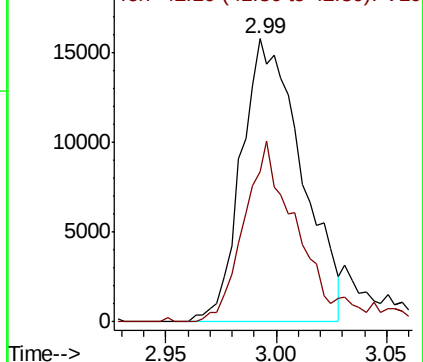
41 100

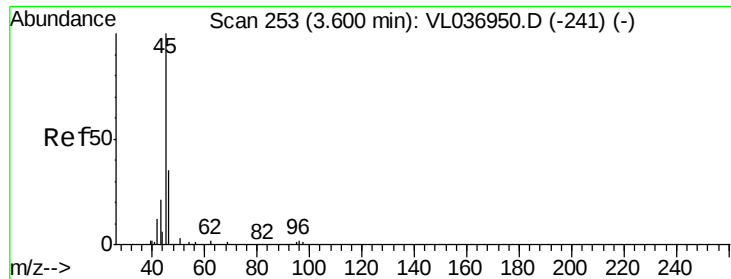
42 60.0 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





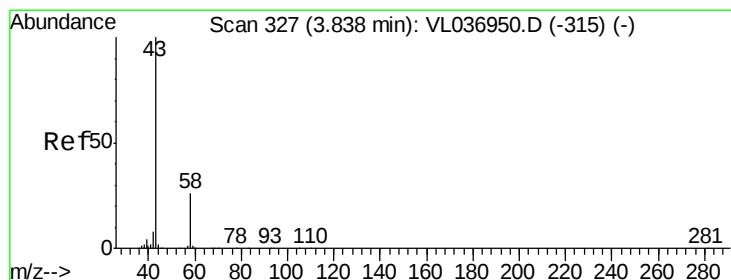
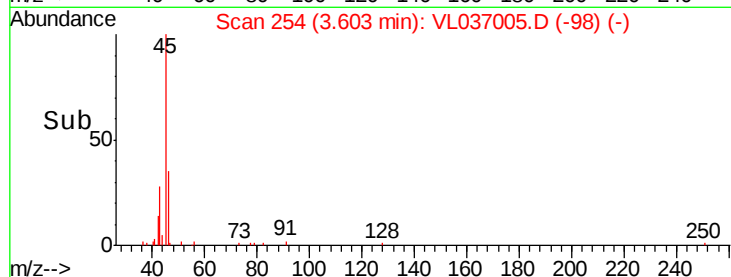
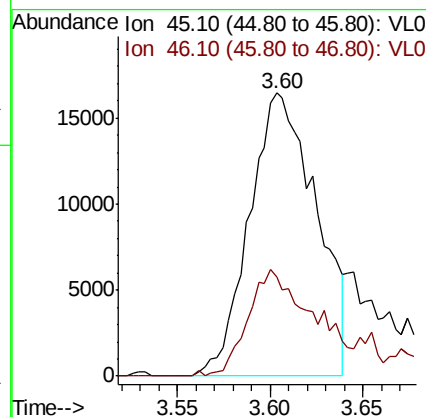
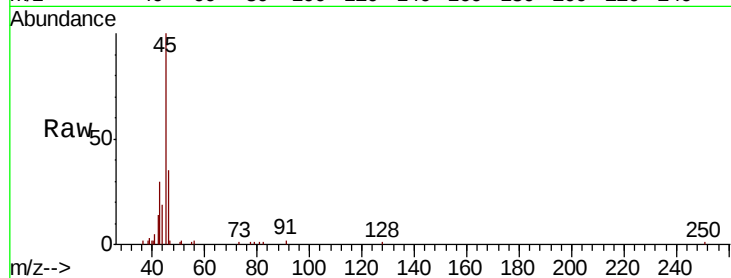
#13
Ethanol
Concen: 4.168 ppbv
RT: 3.60 min Scan# 254
Delta R.T. 0.00 min
Lab File: VL037005.D
Acq: 19 May 2021 23:48

Instrument :
MSVOA_L
ClientSampleId :
KSV-06DL

Tot Ion	45.10	Resp	41263
Ion Ratio	Lower	Upper	
45	100		
46	46.3	16.3	65.3

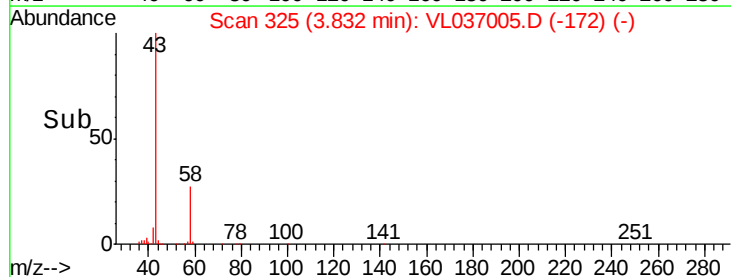
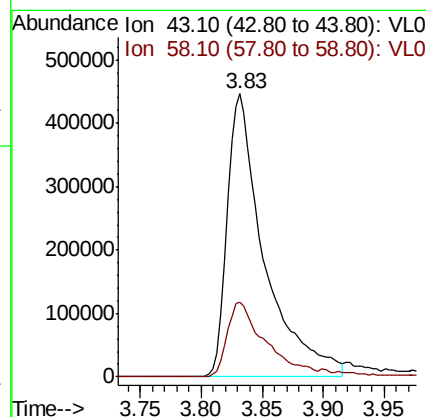
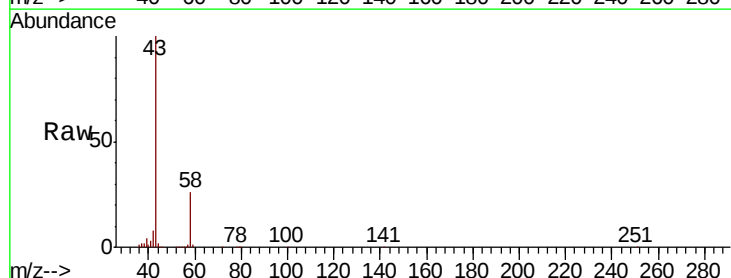
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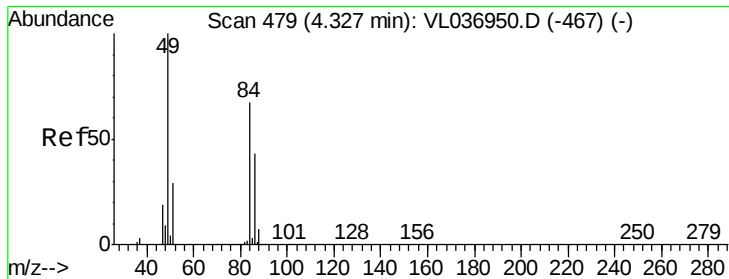
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#15
Acetone
Concen: 8.223 ppbv
RT: 3.83 min Scan# 325
Delta R.T. -0.01 min
Lab File: VL037005.D
Acq: 19 May 2021 23:48

Tgt Ion	43	Resp	952547
Ion Ratio	Lower	Upper	
43	100		
58	30.9	24.0	36.0





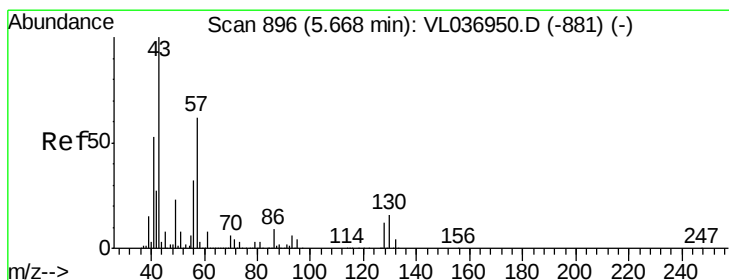
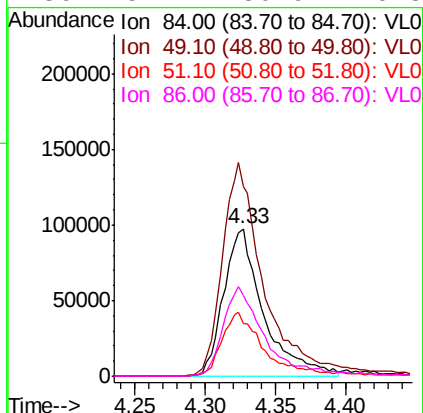
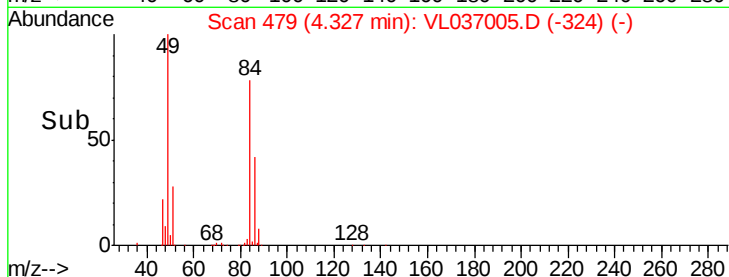
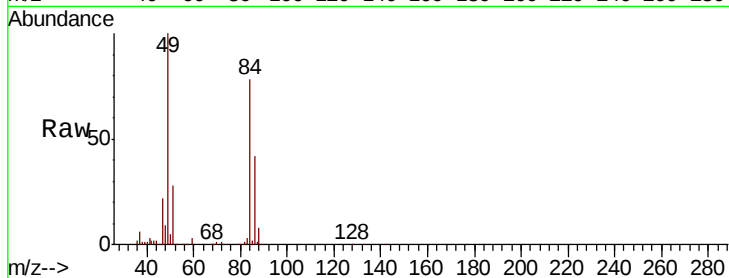
#20
Methvlene Chloride
Concen: 3.079 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.00 min
Lab File: VL037005.D
Acq: 19 May 2021 23:48

Instrument :
MSVOA_L
ClientSampleId :
KSV-06DL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
84	100				
49	127.9	119.8	179.6		
51	35.0	35.1	52.7#		
86	54.2	50.9	76.3		

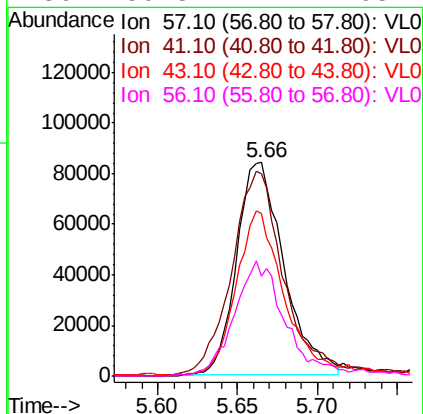
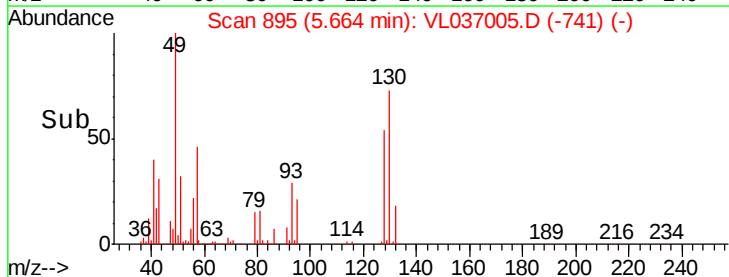
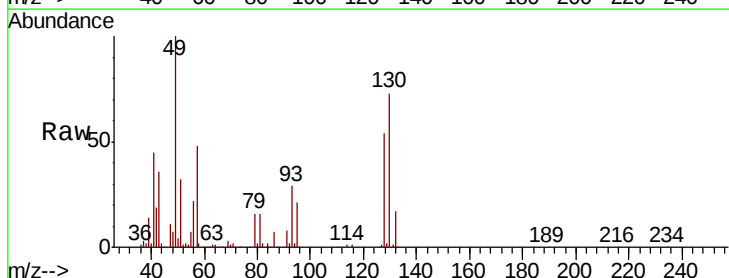
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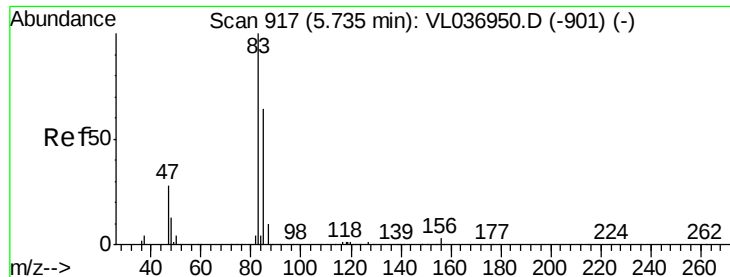
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#26
Hexane
Concen: 1.201 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.00 min
Lab File: VL037005.D
Acq: 19 May 2021 23:48

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
57	100				
41	110.0	70.5	105.7#		
43	80.0	165.8	248.8#		
56	59.8	42.2	63.4		





#29

Chloroform

Concen: 0.267 ppbv m

RT: 5.73 min Scan# 916

Delta R.T. -0.00 min

Lab File: VL037005.D

Acq: 19 May 2021 23:48

Instrument :

MSVOA_L

ClientSampleID :

KSV-06DL

Tot Ion: 83 Resp: 53627

Ion Ratio Lower Upper

83 100

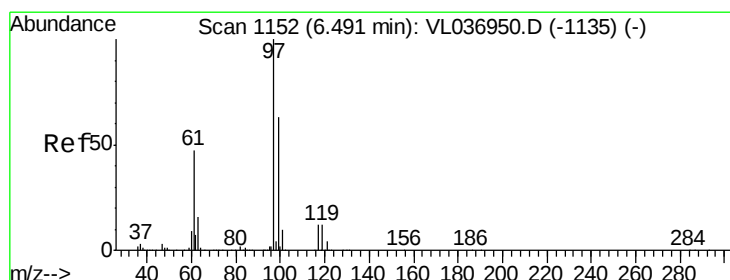
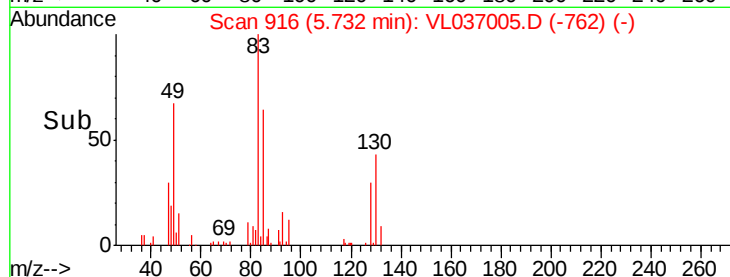
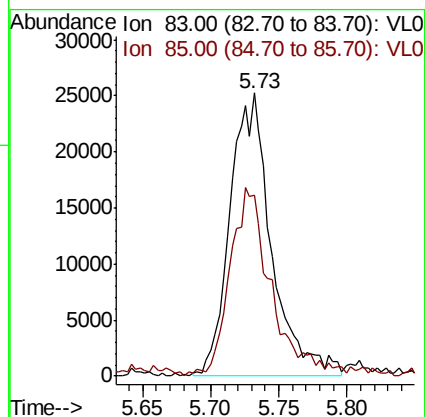
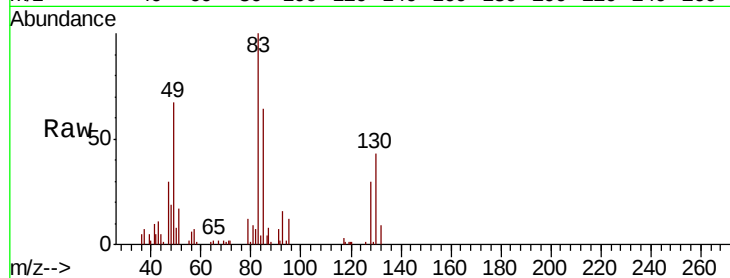
85 64.1 51.1 76.7

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#32

1,1,1-Trichloroethane

Concen: 0.854 ppbv

RT: 6.48 min Scan# 1150

Delta R.T. -0.01 min

Lab File: VL037005.D

Acq: 19 May 2021 23:48

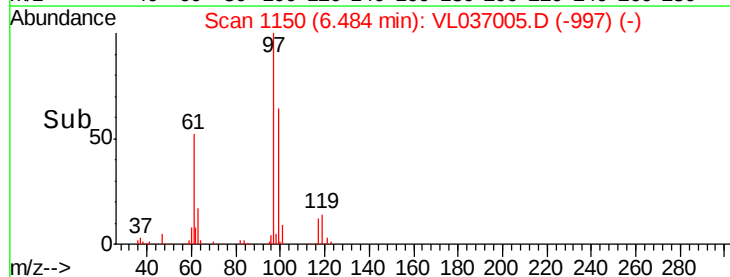
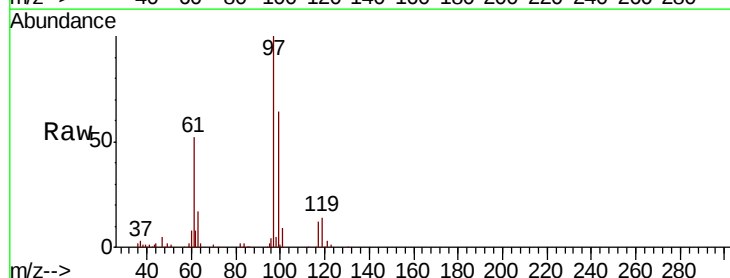
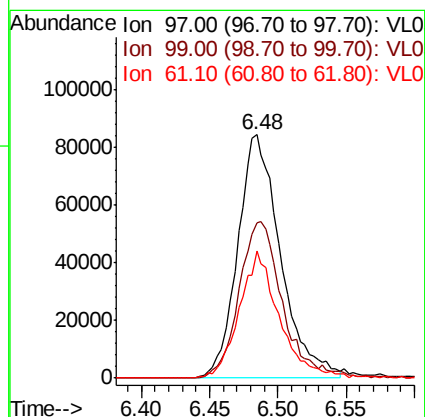
Tgt Ion: 97 Resp: 184219

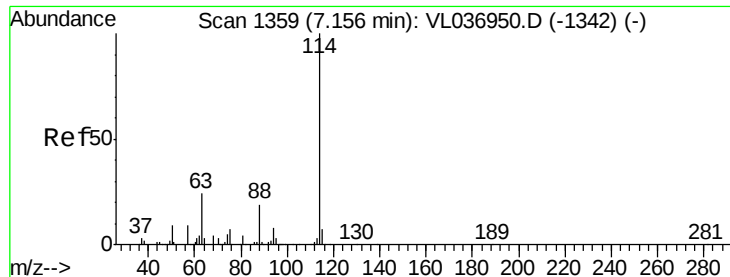
Ion Ratio Lower Upper

97 100

99 65.7 51.9 77.9

61 48.8 37.6 56.4





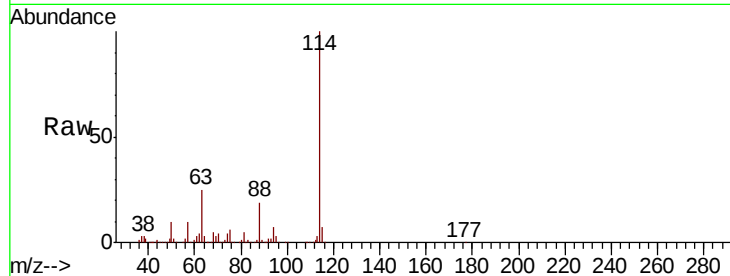
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.01 min
 Lab File: VL037005.D
 Acq: 19 May 2021 23:48

Instrument :
 MSVOA_L
 ClientSampleId :
 KSV-06DL

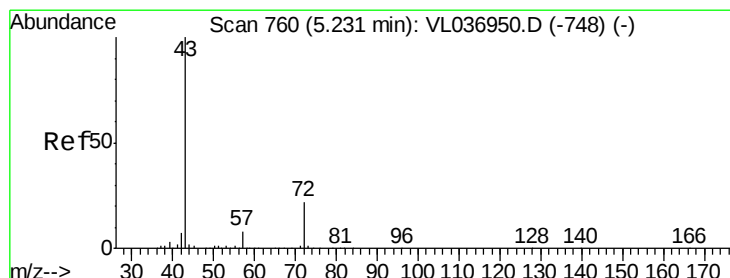
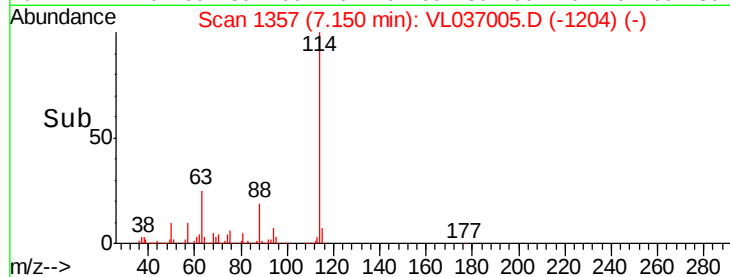
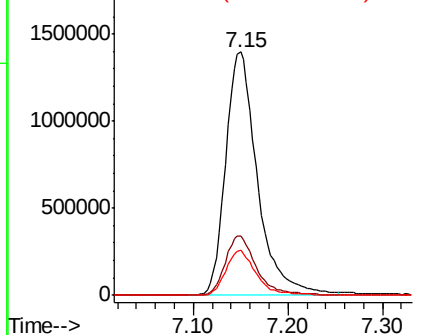
Tot Ion	Ratio	Lower	Upper
114	100		
63	24.5	19.6	29.4
88	18.2	14.6	21.8

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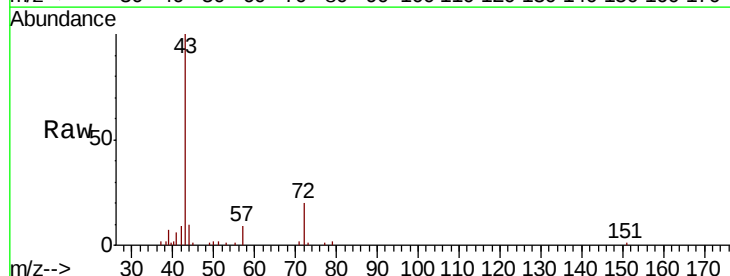


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

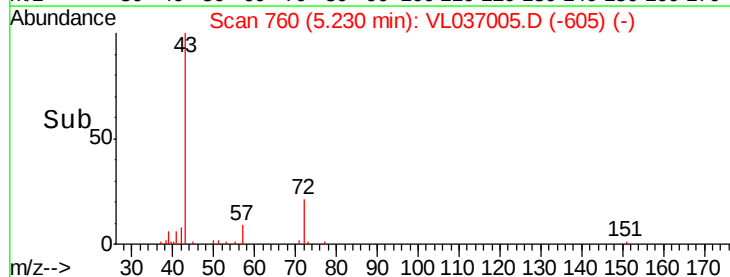
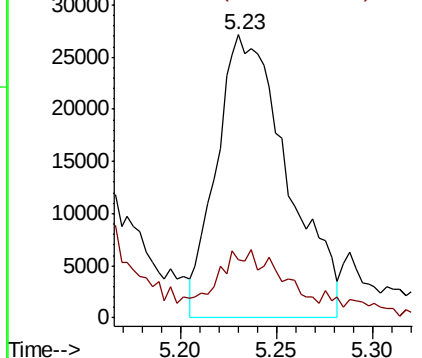


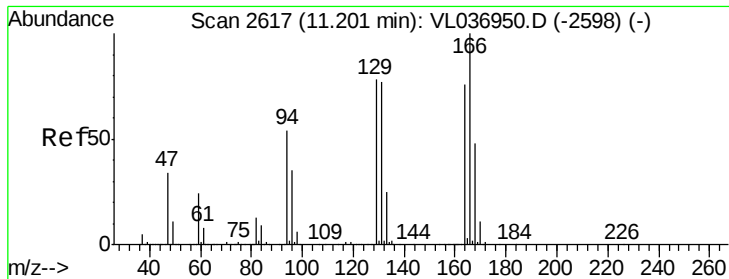
#34
 2-Butanone
 Concen: 0.586 ppbv m
 RT: 5.23 min Scan# 760
 Delta R.T. -0.00 min
 Lab File: VL037005.D
 Acq: 19 May 2021 23:48

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	19.0	28.4#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#52

Tetrachloroethene

Concen: 0.108 ppbv m

RT: 11.19 min Scan# 2615

Delta R.T. -0.01 min

Lab File: VL037005.D

Acq: 19 May 2021 23:48

Instrument :

MSVOA_L

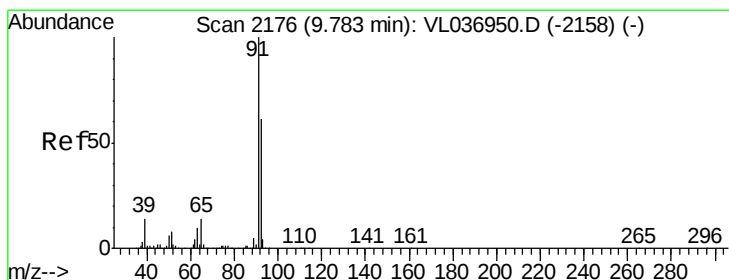
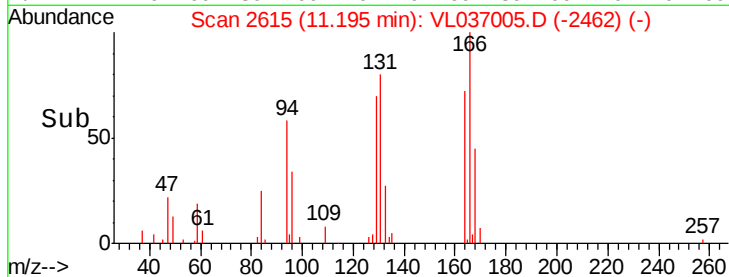
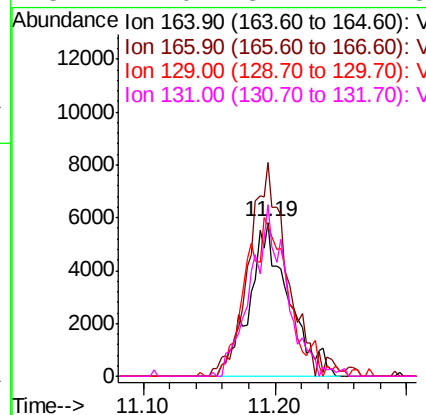
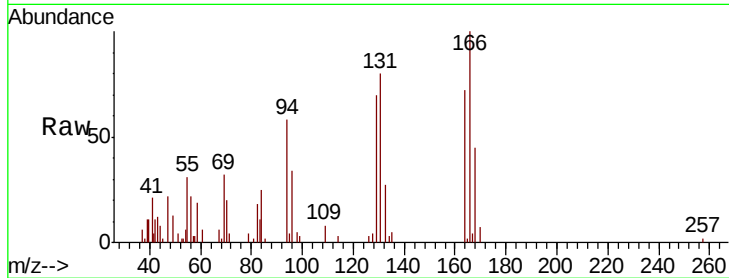
ClientSampleId :

KSV-06DL

Tot Ion:	164	Resp:	12069
Ion	Ratio	Lower	Upper
164	100		
166	138.5	105.5	158.3
129	97.3	81.8	122.8
131	111.0	81.2	121.8

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#53

Toluene

Concen: 0.103 ppbv

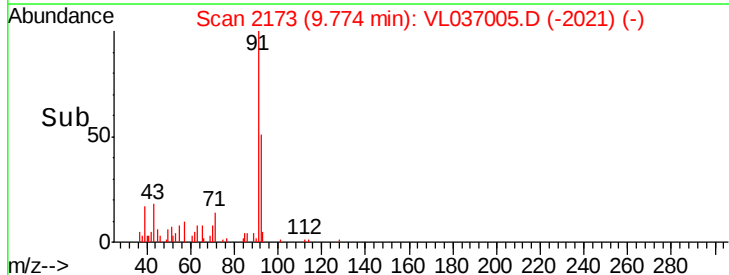
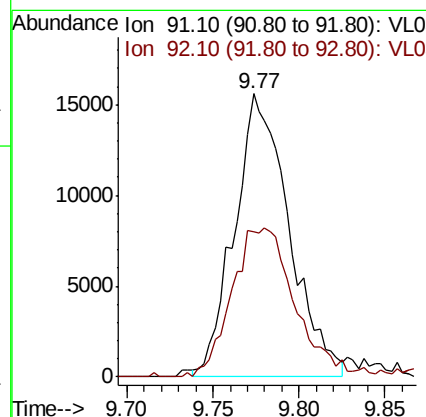
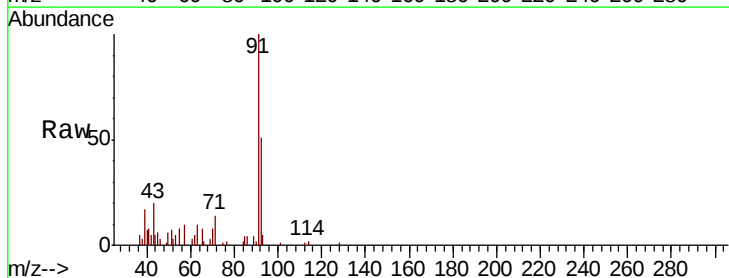
RT: 9.77 min Scan# 2173

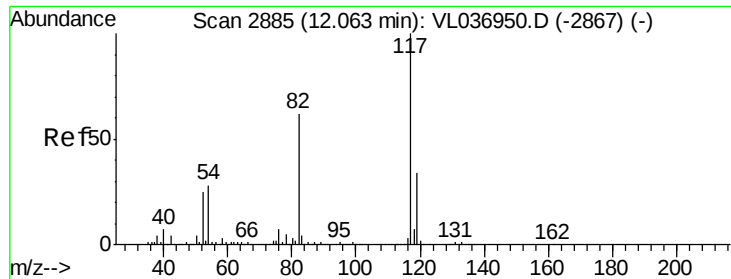
Delta R.T. -0.01 min

Lab File: VL037005.D

Acq: 19 May 2021 23:48

Tgt Ion:	91	Resp:	34436
Ion	Ratio	Lower	Upper
91	100		
92	62.9	49.5	74.3





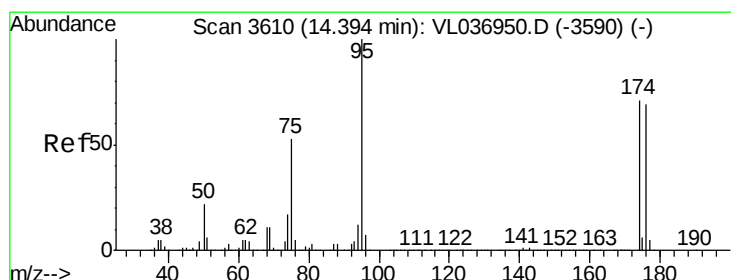
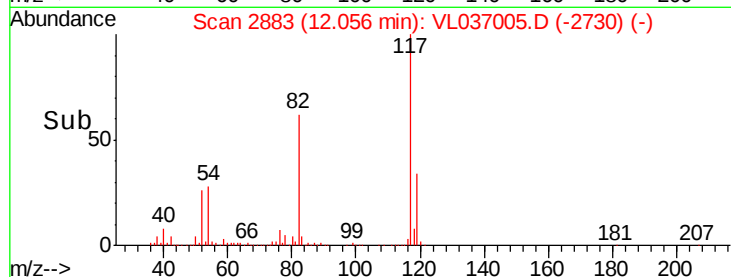
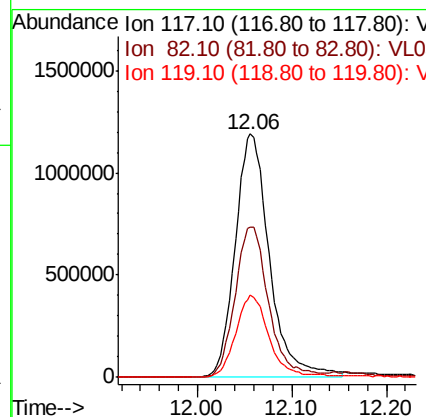
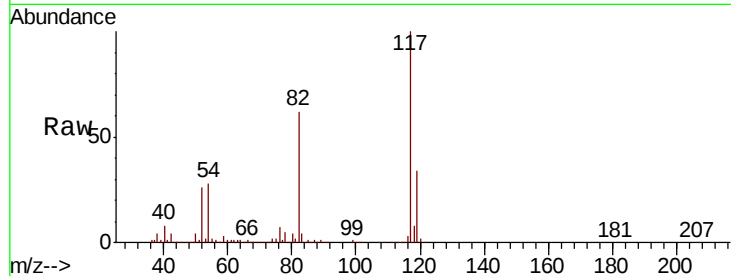
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2883
Delta R.T. -0.01 min
Lab File: VL037005.D
Acq: 19 May 2021 23:48

Instrument :
MSVOA_L
ClientSampleId :
KSV-06DL

Tot Ion:117 Resp: 2995748
Ion Ratio Lower Upper
117 100
82 61.8 52.6 79.0
119 33.8 46.6 70.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.502 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.01 min
Lab File: VL037005.D
Acq: 19 May 2021 23:48

Tgt Ion: 95 Resp: 2363500
Ion Ratio Lower Upper
95 100
174 75.7 58.4 87.6
175 5.6 4.4 6.6

