

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051921\
 Data File : VL037009.D
 Acq On : 20 May 2021 2:26
 Operator : SY/AP
 Sample : M2424-14DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-01DL

Manual Integrations
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 5/24/2021 3:02:28 PM

Quant Time: May 20 08:33:56 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	1022705	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	3070753	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	2751801	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	2037811	9.86	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	31557	0.470	ppbv	84
13) Ethanol	3.60	45	127248	14.215	ppbv	97
15) Acetone	3.83	43	712622	6.803	ppbv	98
19) Isopropyl Alcohol	3.99	45	23837m	0.423	ppbv	
20) Methylene Chloride	4.32	84	126513	2.253	ppbv	99
26) Hexane	5.66	57	123246	0.958	ppbv #	43
32) 1,1,1-Trichloroethane	6.48	97	35759	0.183	ppbv	93
34) 2-Butanone	5.23	43	56186m	0.502	ppbv	
52) Tetrachloroethene	11.19	164	15098m	0.144	ppbv	
53) Toluene	9.77	91	107996	0.343	ppbv	98

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

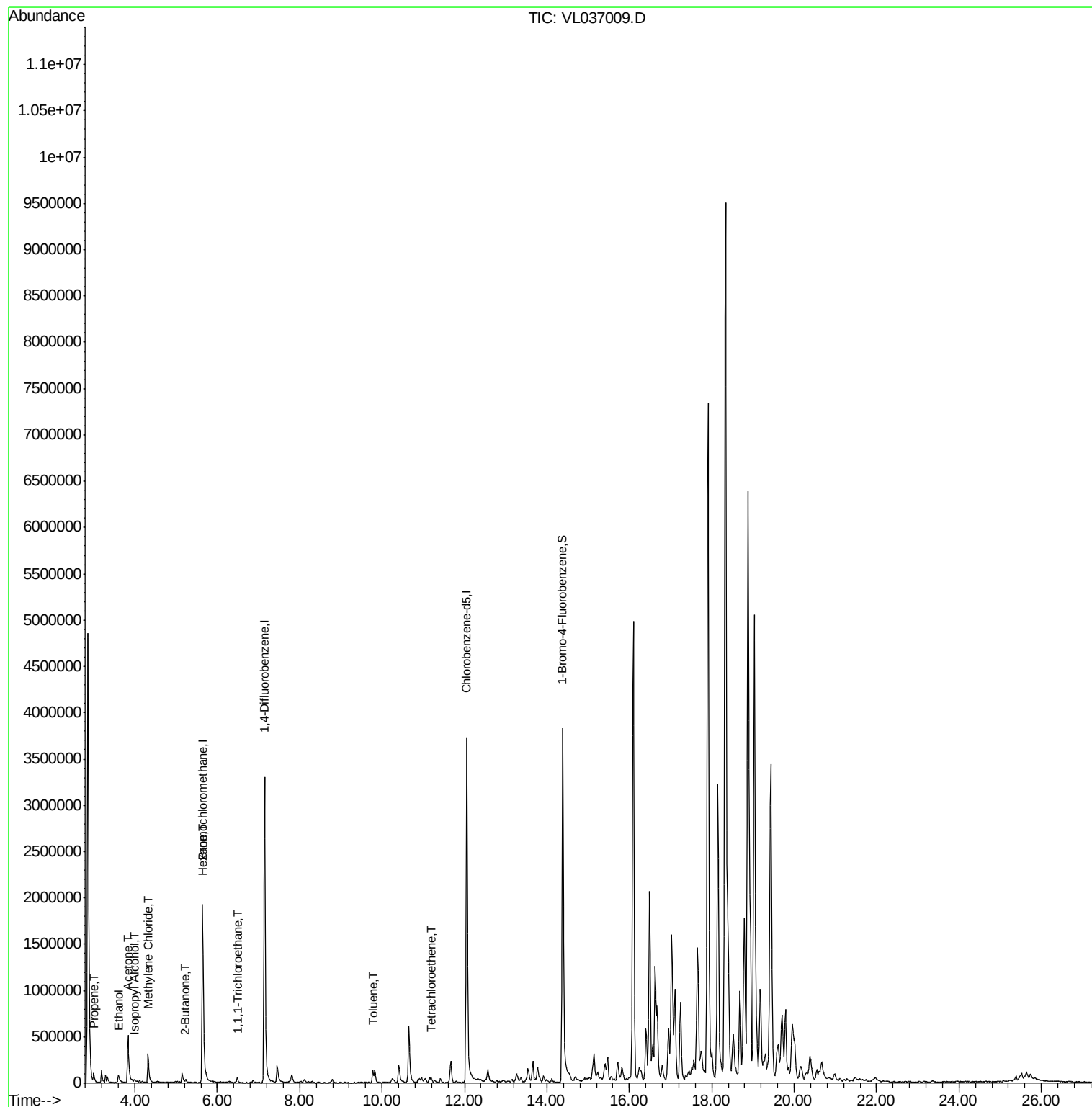
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051921\
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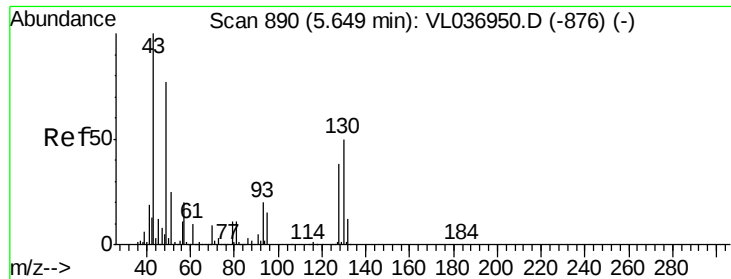
Instrument :
MSVOA_L
ClientSampleId :
KSS-01DL

Manual Integrations
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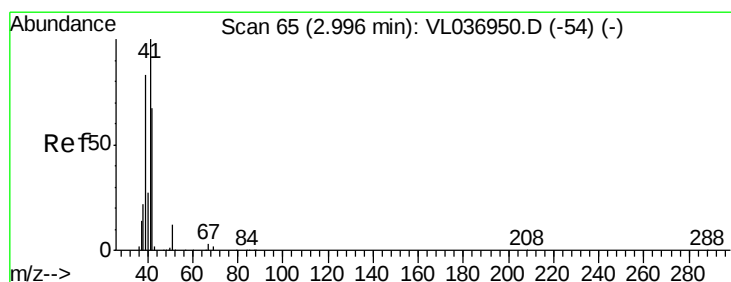
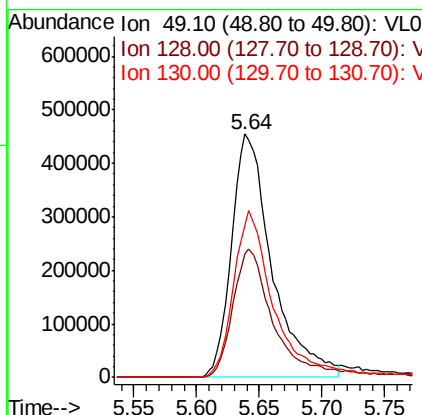
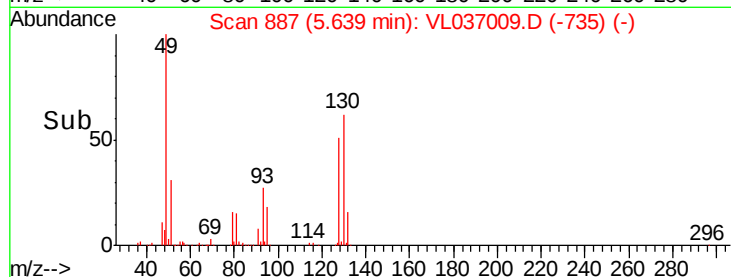
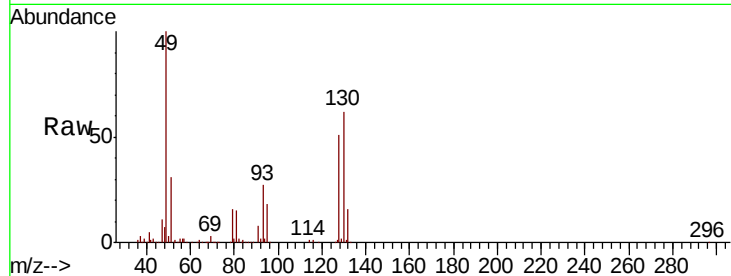
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.64 min Scan# 887
Delta R.T. -0.01 min
Lab File: VL037009.D
Acq: 20 May 2021 2:26

Instrument :
MSVOA_L
ClientSampleId :
KSS-01DL

Tot Ion: 49 Resp: 1022705
Ion Ratio Lower Upper
49 100
128 55.6 26.9 80.7
130 69.6 33.8 101.4

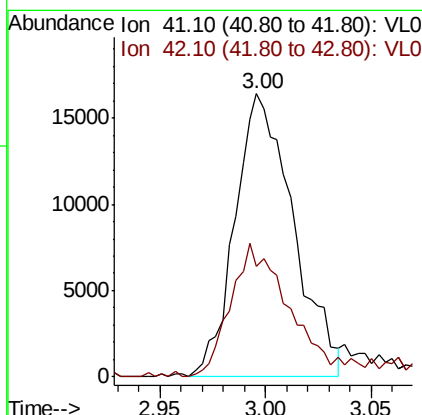
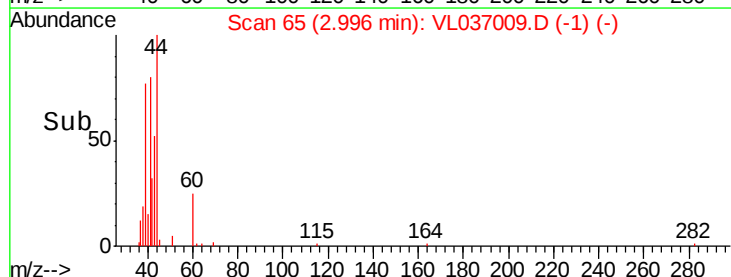
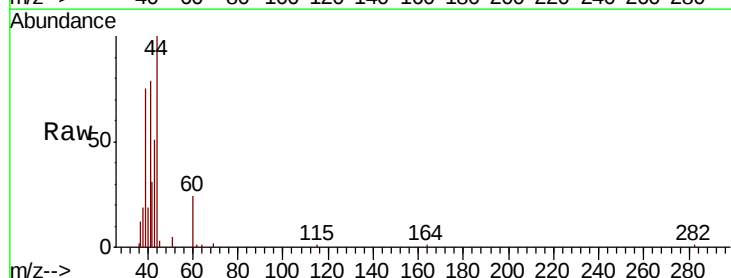
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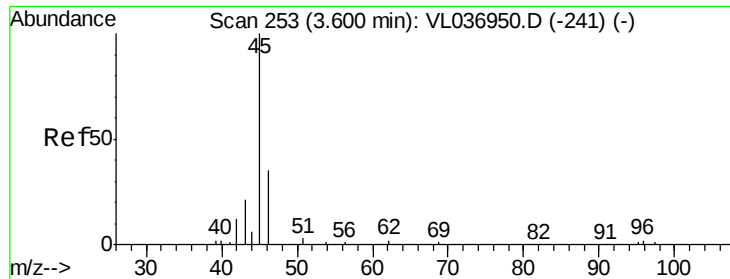
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#9
Propene
Concen: 0.470 ppbv
RT: 3.00 min Scan# 65
Delta R.T. -0.00 min
Lab File: VL037009.D
Acq: 20 May 2021 2:26

Tgt Ion: 41 Resp: 31557
Ion Ratio Lower Upper
41 100
42 54.3 53.9 80.9





#13

Ethanol

Concen: 14.215 ppbv

RT: 3.60 min Scan# 252

Delta R.T. -0.00 min

Lab File: VL037009.D

Acq: 20 May 2021 2:26

Instrument :

MSVOA_L

ClientSampled :

KSS-01DL

Tot Ion: 45 Resp: 127248

Ion Ratio Lower Upper

45 100

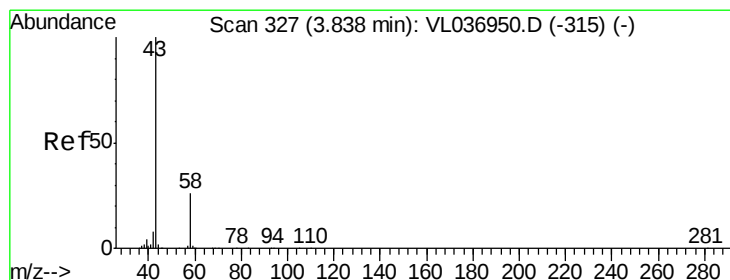
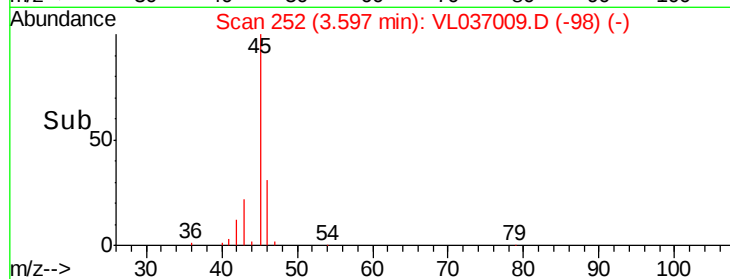
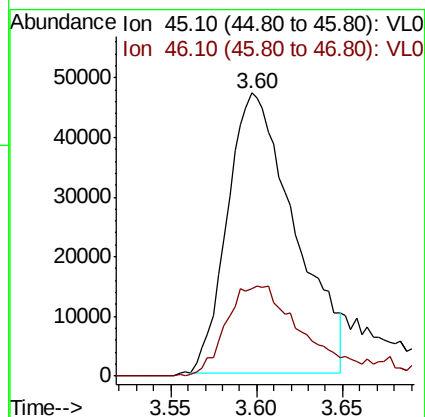
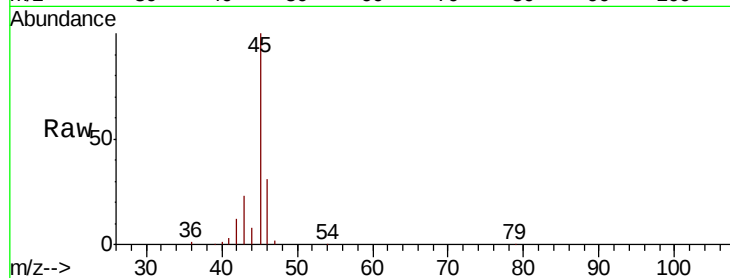
46 42.6 16.3 65.3

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#15

Acetone

Concen: 6.803 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.01 min

Lab File: VL037009.D

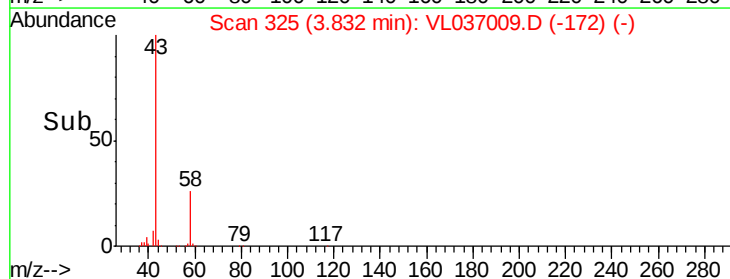
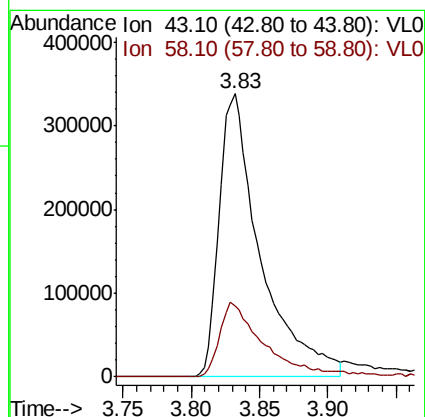
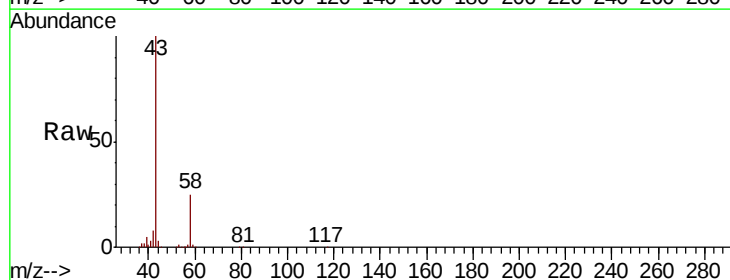
Acq: 20 May 2021 2:26

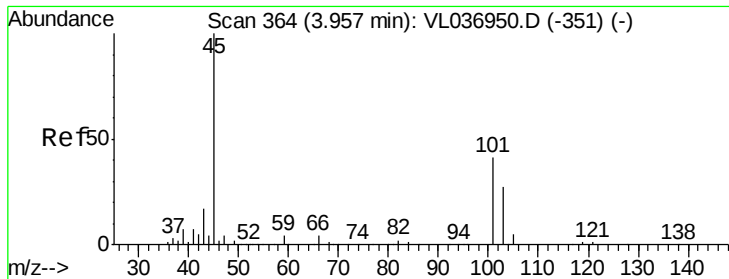
Tgt Ion: 43 Resp: 712622

Ion Ratio Lower Upper

43 100

58 29.0 24.0 36.0





#19

Isopropyl Alcohol

Concen: 0.423 ppbv m

RT: 3.99 min Scan# 373

Delta R.T. 0.03 min

Lab File: VL037009.D

Acq: 20 May 2021 2:26

Instrument :

MSVOA_L

ClientSampled :

KSS-01DL

Tot Ion: 45 Resp: 23837

Ion Ratio Lower Upper

45 100

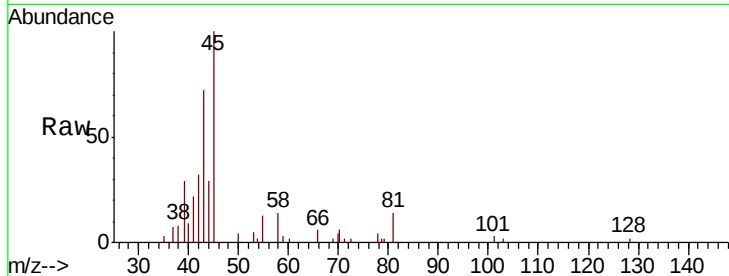
58 0.0 37.2 55.8#

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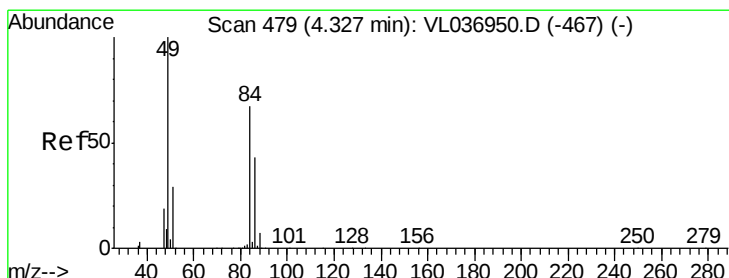
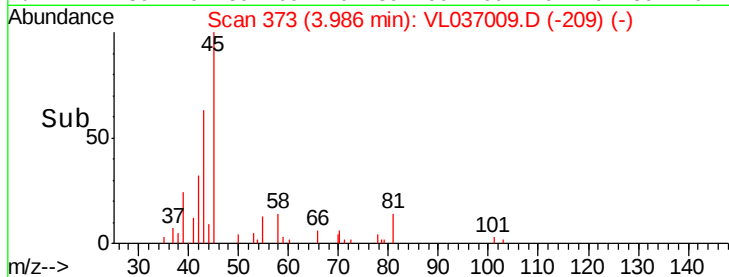
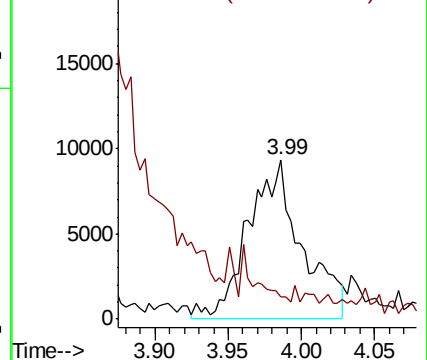
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 2.253 ppbv

RT: 4.32 min Scan# 477

Delta R.T. -0.01 min

Lab File: VL037009.D

Acq: 20 May 2021 2:26

Tgt Ion: 84 Resp: 126513

Ion Ratio Lower Upper

84 100

49 152.2 119.8 179.6

51 44.1 35.1 52.7

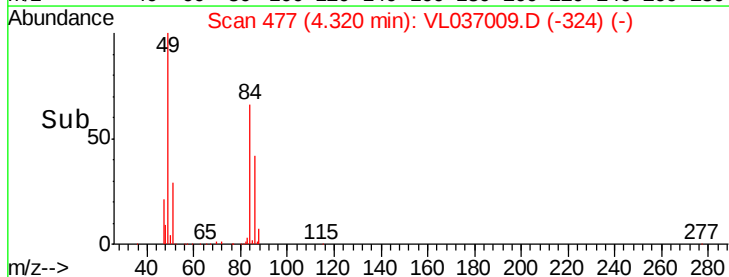
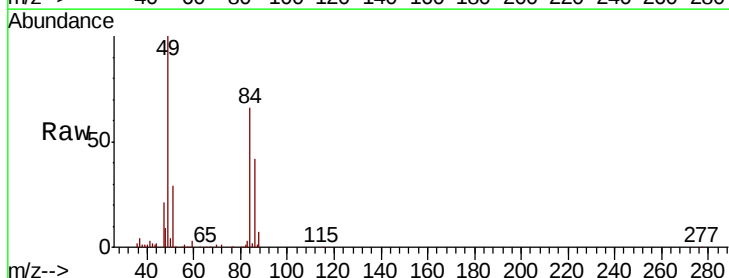
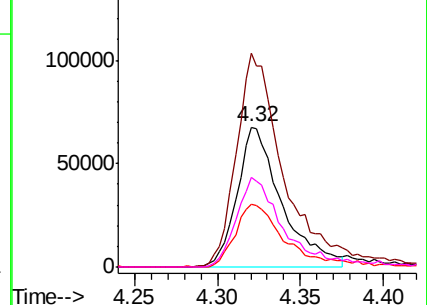
86 64.3 50.9 76.3

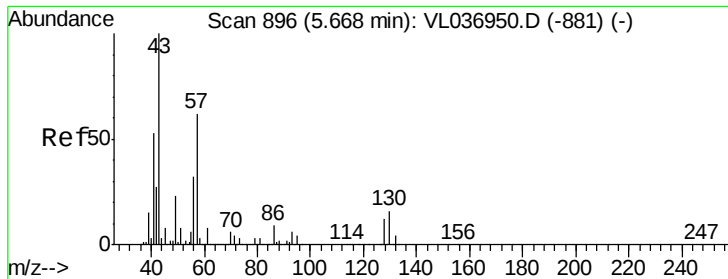
Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.958 ppbv

RT: 5.66 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL037009.D

Acq: 20 May 2021 2:26

Instrument :

MSVOA_L

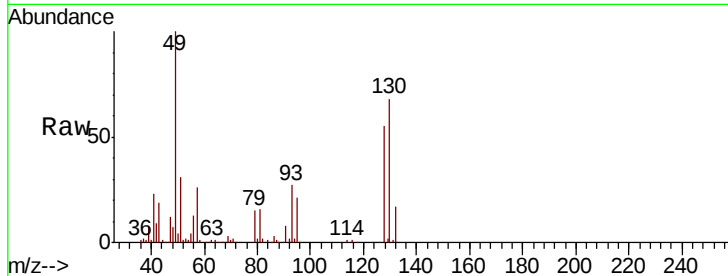
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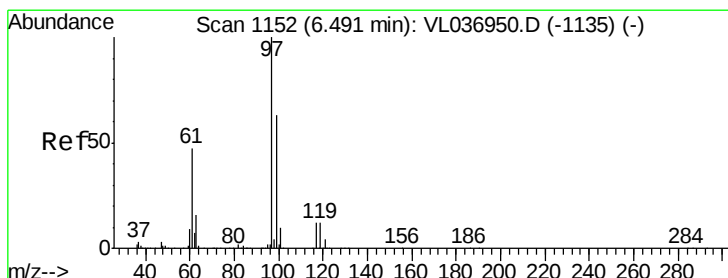
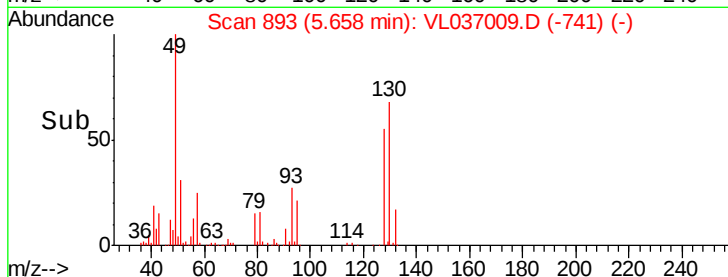
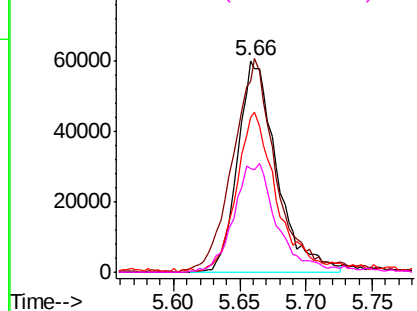
Tot Ion	57	Resp	123246
Ion Ratio	Lower	Upper	
57	100		
41	113.8	70.5	105.7#
43	79.4	165.8	248.8#
56	58.4	42.2	63.4

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Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0



#32

1,1,1-Trichloroethane

Concen: 0.183 ppbv

RT: 6.48 min Scan# 1150

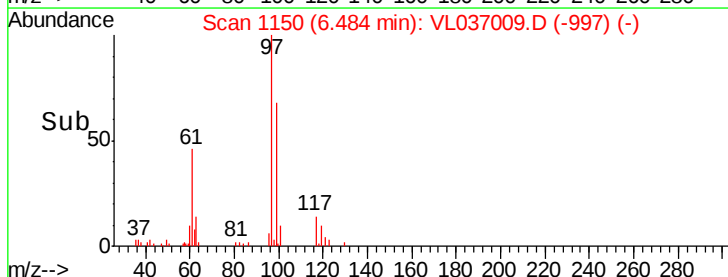
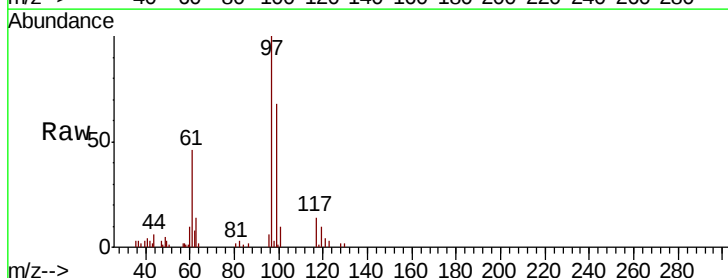
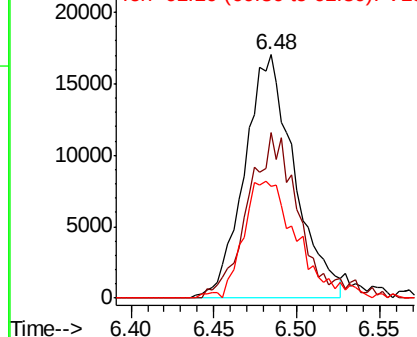
Delta R.T. -0.01 min

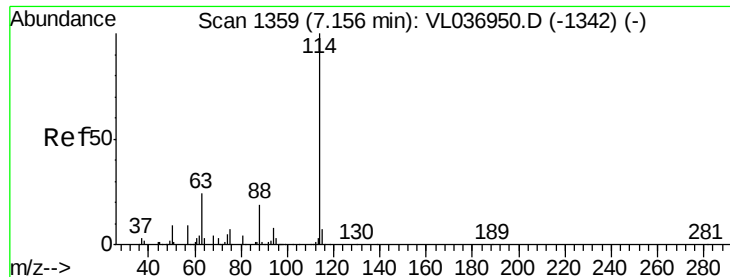
Lab File: VL037009.D

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Tgt Ion	97	Resp	35759
Ion Ratio	Lower	Upper	
97	100		
99	70.3	51.9	77.9
61	52.3	37.6	56.4

Abundance Ion 97.00 (96.70 to 97.70): VL0
Ion 99.00 (98.70 to 99.70): VL0
Ion 61.10 (60.80 to 61.80): VL0





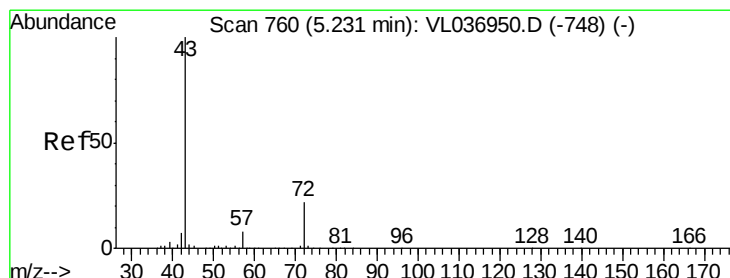
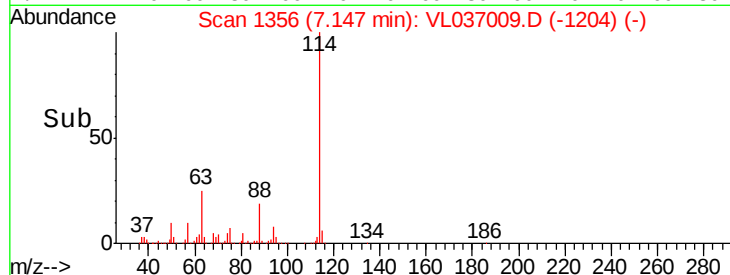
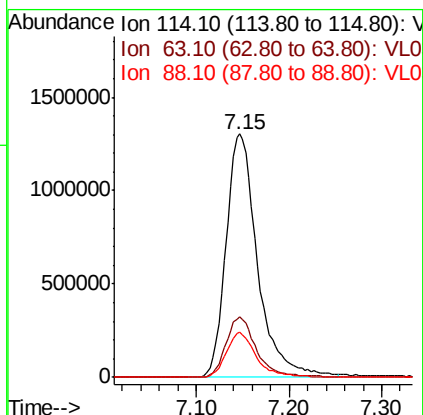
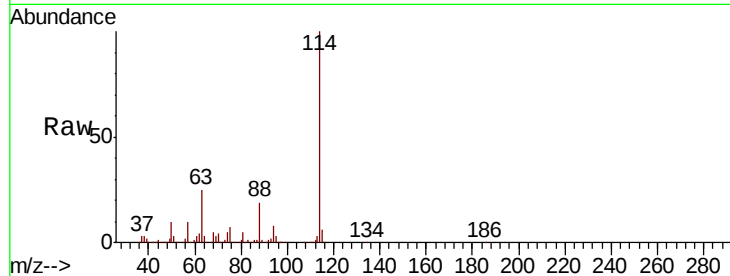
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.01 min
 Lab File: VL037009.D
 Acq: 20 May 2021 2:26

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-01DL

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

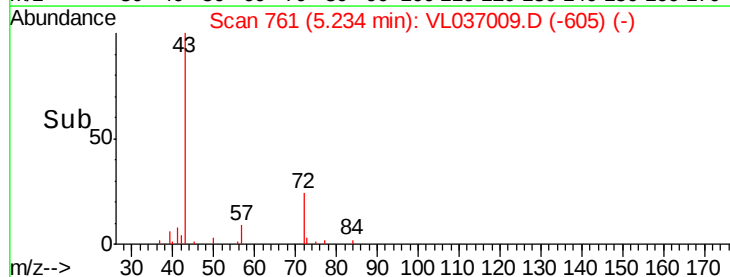
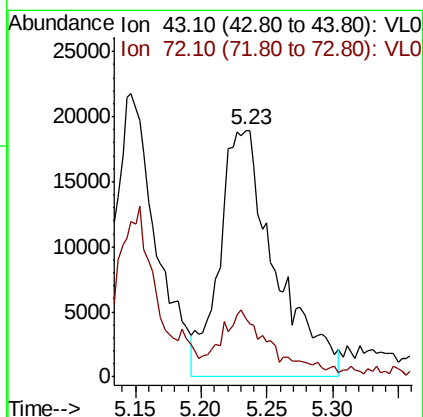
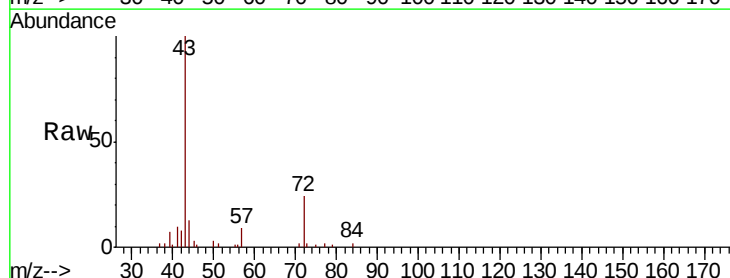
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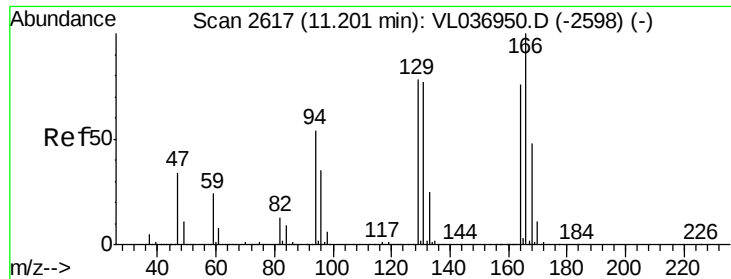
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#34
 2-Butanone
 Concen: 0.502 ppbv m
 RT: 5.23 min Scan# 761
 Delta R.T. 0.00 min
 Lab File: VL037009.D
 Acq: 20 May 2021 2:26

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





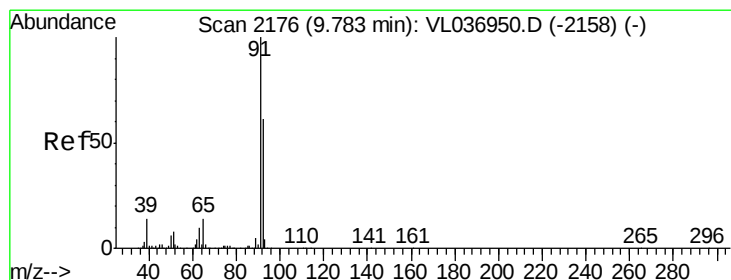
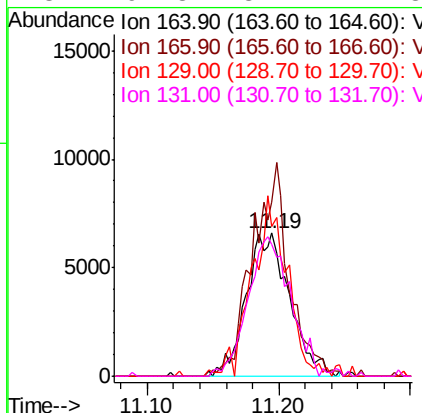
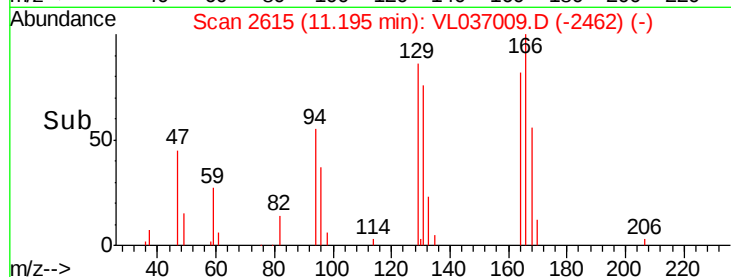
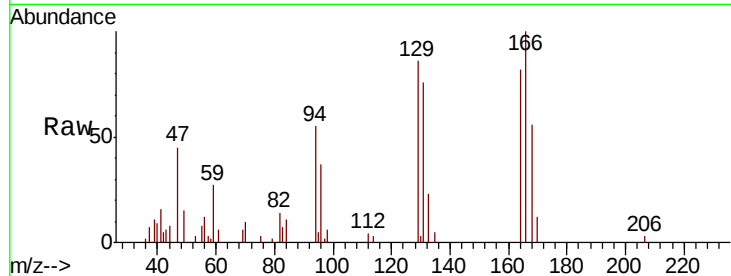
#52
Tetrachloroethene
Concen: 0.144 ppbv m
RT: 11.19 min Scan# 2615
Delta R.T. -0.01 min
Lab File: VL037009.D
Acq: 20 May 2021 2:26

Instrument :
MSVOA_L
ClientSampled :
KSS-01DL

Tot Ion	Ratio	Lower	Upper
164	100		
166	121.8	105.5	158.3
129	104.9	81.8	122.8
131	92.8	81.2	121.8

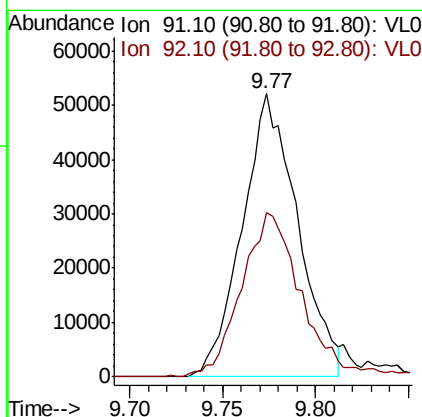
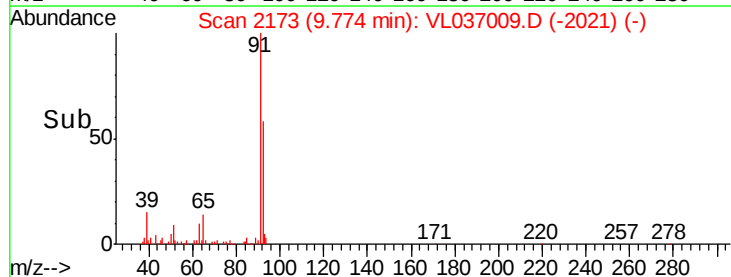
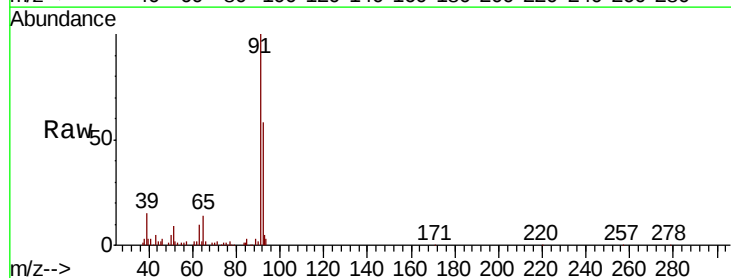
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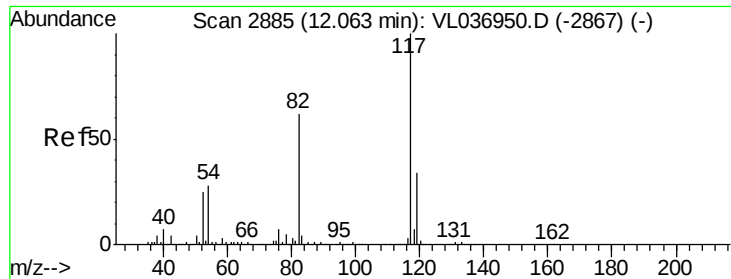
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#53
Toluene
Concen: 0.343 ppbv
RT: 9.77 min Scan# 2173
Delta R.T. -0.01 min
Lab File: VL037009.D
Acq: 20 May 2021 2:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	63.8	49.5	74.3





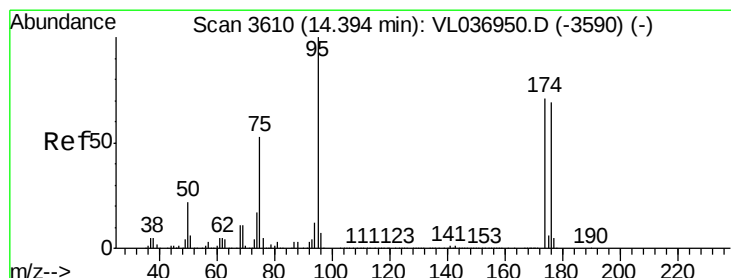
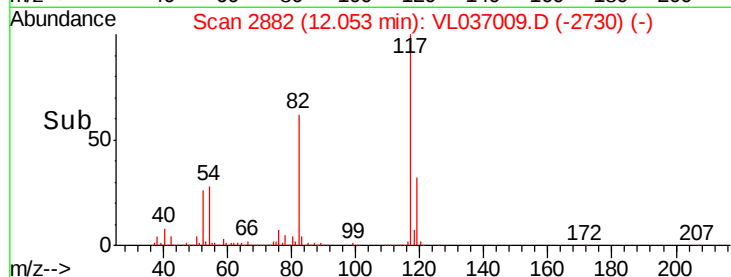
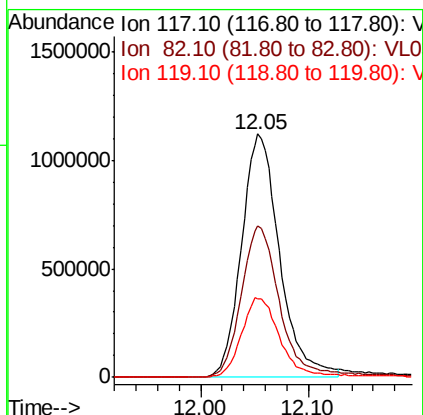
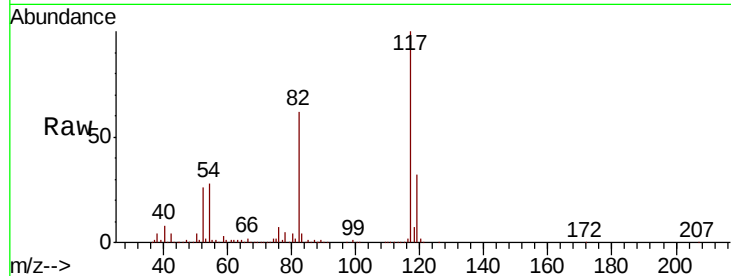
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2882
Delta R.T. -0.01 min
Lab File: VL037009.D
Acq: 20 May 2021 2:26

Instrument :
MSVOA_L
ClientSampleId :
KSS-01DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	65.0	52.6	79.0
119	34.5	46.6	70.0

Manual Integrations
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#68
1-Bromo-4-Fluorobenzene
Concen: 9.858 ppbv
RT: 14.38 min Scan# 3606
Delta R.T. -0.01 min
Lab File: VL037009.D
Acq: 20 May 2021 2:26

Tgt Ion	Ratio	Lower	Upper
95	100		
174	78.2	58.4	87.6
175	5.6	4.4	6.6

