

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060221\
 Data File : VL037123.D
 Acq On : 3 Jun 2021 5:31
 Operator : SY/AP
 Sample : M2548-18DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-19ADL

Manual Integrations
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 6/7/2021 3:01:36 PM

Quant Time: Jun 06 20:49:24 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
 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	5.66	49	1255588	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	4030916	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3542347	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2635035	9.90	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	18817m	0.228	ppbv	
13) Ethanol	3.62	45	111772	10.170	ppbv	99
15) Acetone	3.86	43	278248m	2.164	ppbv	
19) Isopropyl Alcohol	4.00	45	34362m	0.497	ppbv	
20) Methylene Chloride	4.34	84	162862	2.362	ppbv	94
26) Hexane	5.68	57	76227	0.483	ppbv #	43
53) Toluene	9.80	91	60106	0.145	ppbv	98

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

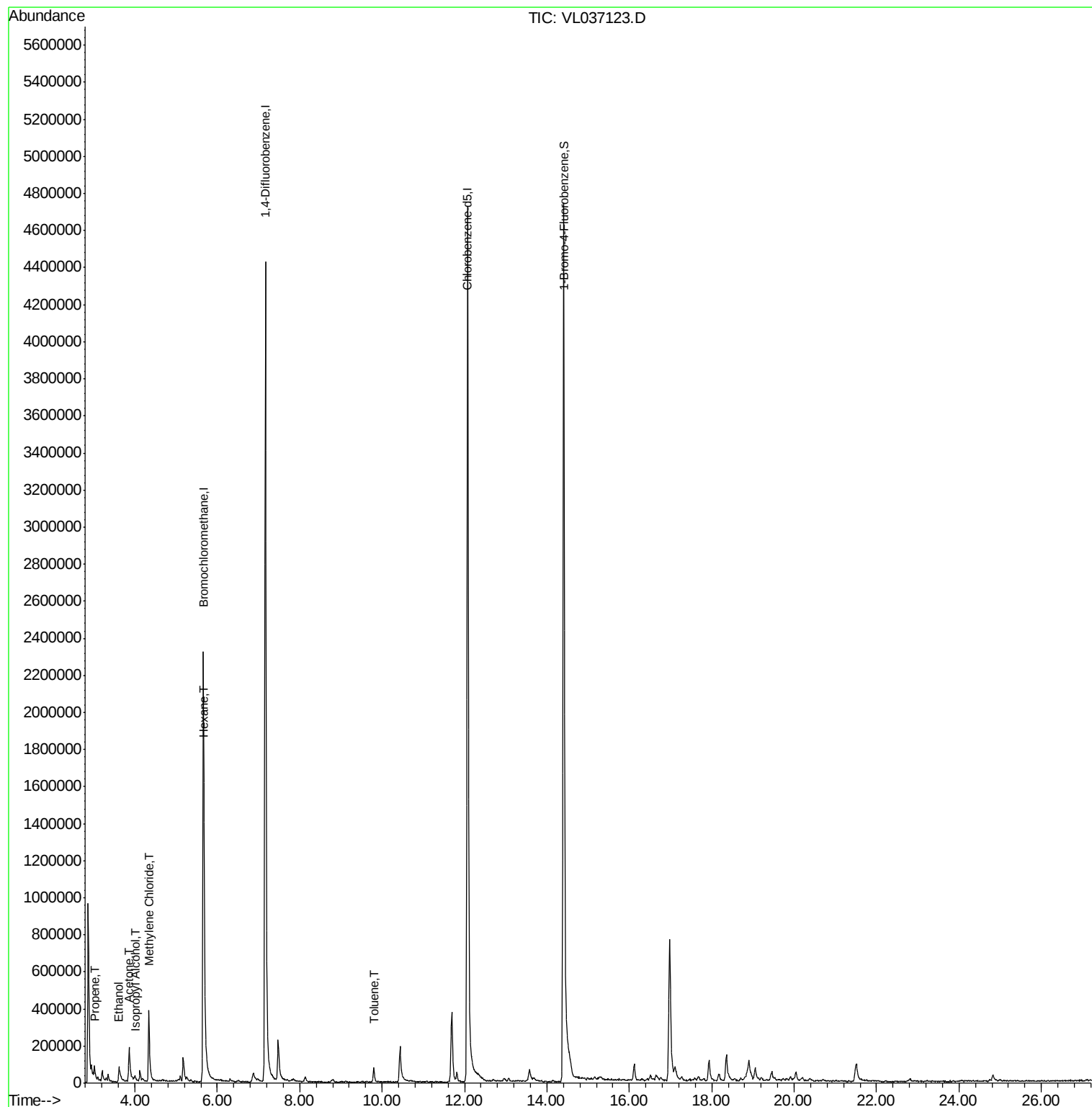
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060221\
Data File : VL037123.D
Acq On : 3 Jun 2021 5:31
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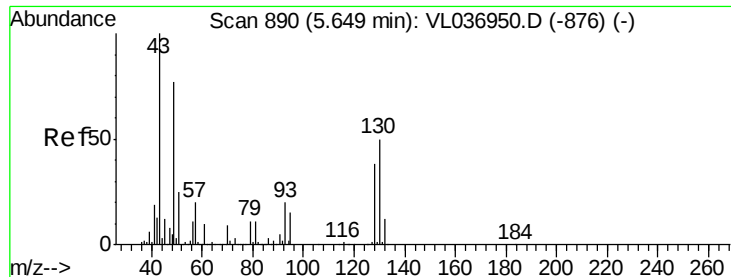
Instrument :
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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.01 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :

MSVOA_L

ClientSampleId :

SGS-19ADL

Tot Ion: 49 Resp: 1255588

Ion Ratio Lower Upper

49 100

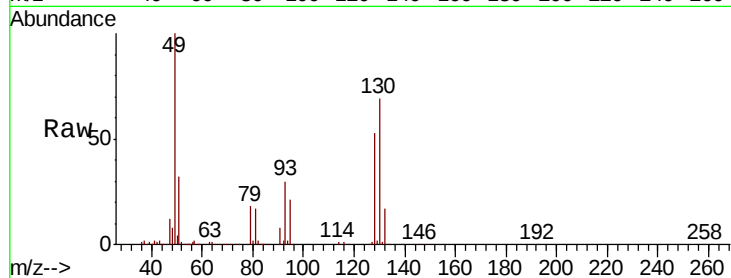
128 62.5 26.9 80.7

130 79.8 33.8 101.4

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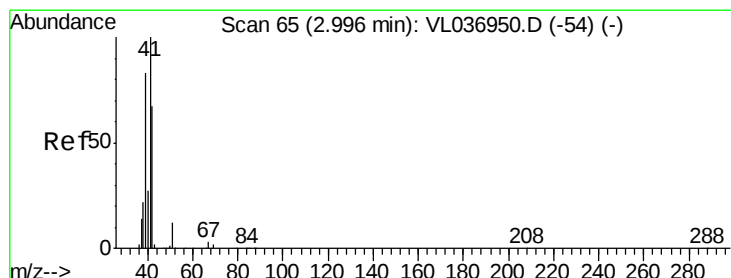
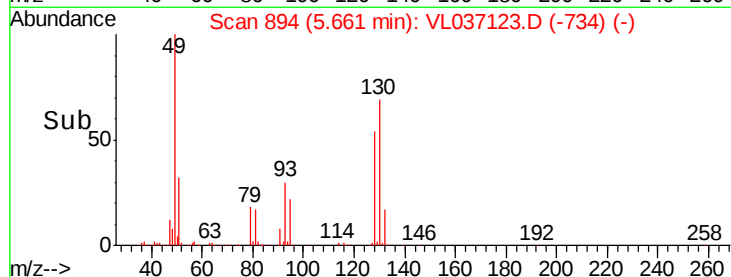
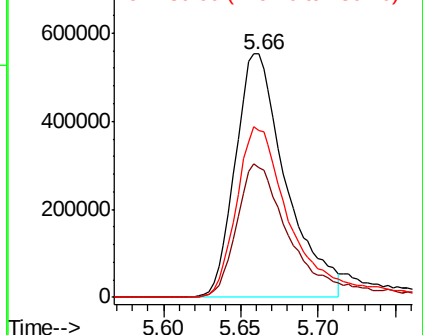
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 0.228 ppbv m

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037123.D

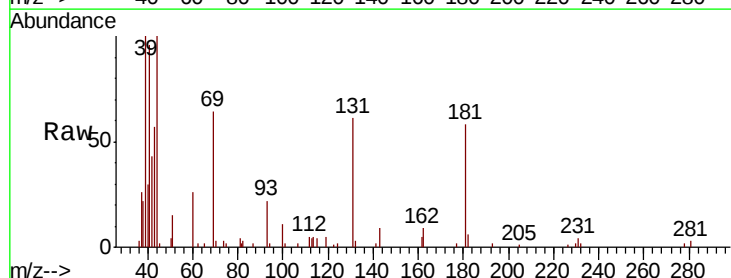
Acq: 3 Jun 2021 5:31

Tgt Ion: 41 Resp: 18817

Ion Ratio Lower Upper

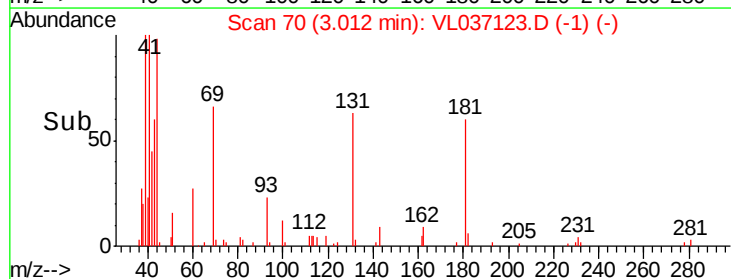
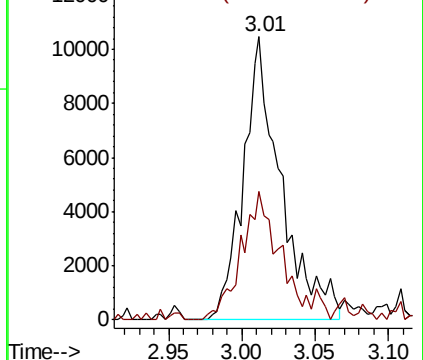
41 100

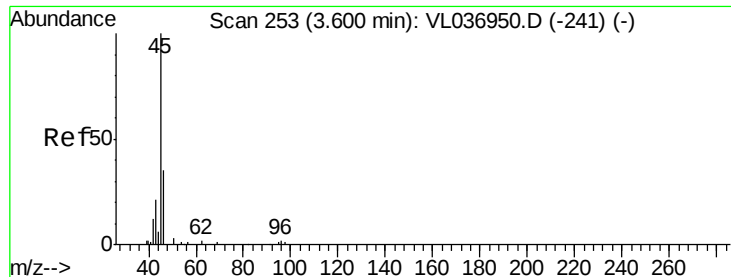
42 51.8 53.9 80.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





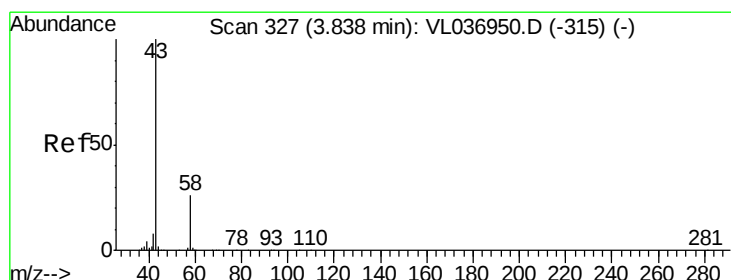
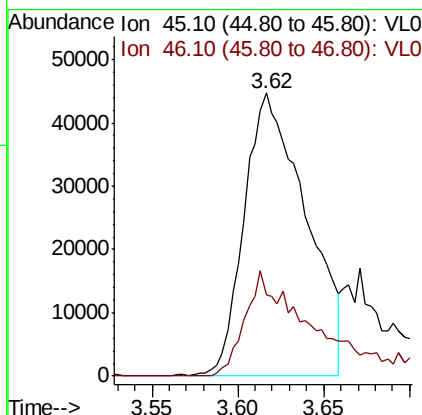
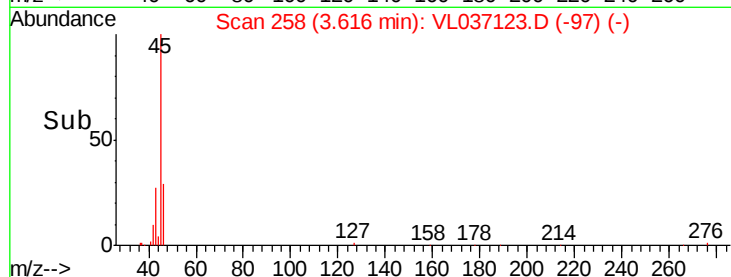
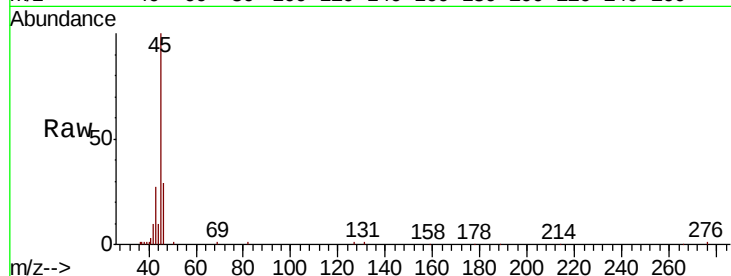
#13
Ethanol
Concen: 10.170 ppbv
RT: 3.62 min Scan# 258
Delta R.T. 0.02 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Instrument :
MSVOA_L
ClientSampleId :
SGS-19ADL

Tot Ion	45	Resp	111772
Ion Ratio	100	Lower	Upper
46	41.5	16.3	65.3

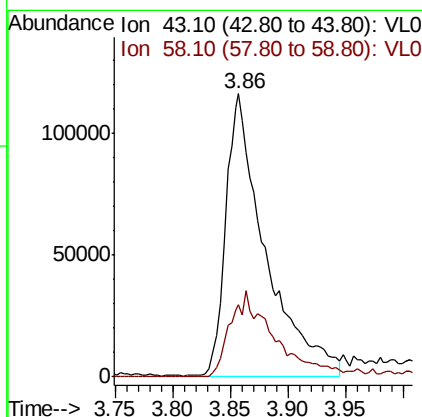
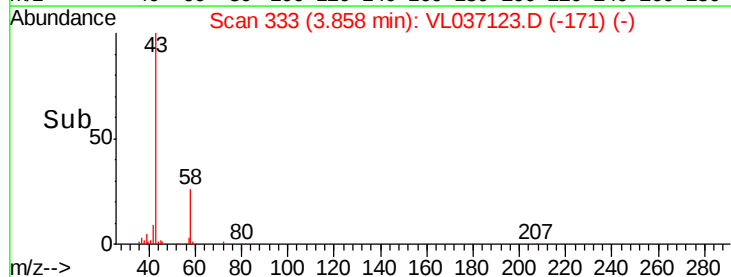
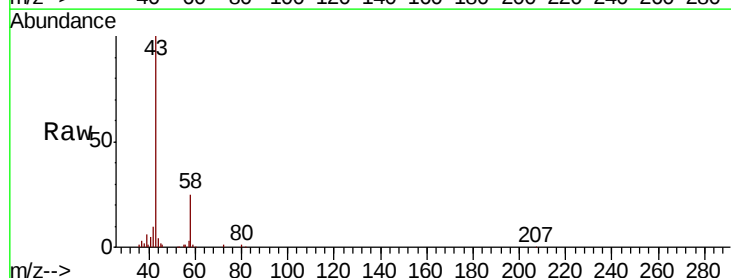
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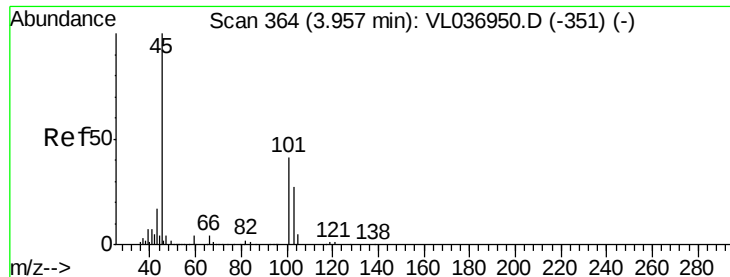
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#15
Acetone
Concen: 2.164 ppbv m
RT: 3.86 min Scan# 333
Delta R.T. 0.02 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Tgt Ion	43	Resp	278248
Ion Ratio	100	Lower	Upper
58	35.4	24.0	36.0





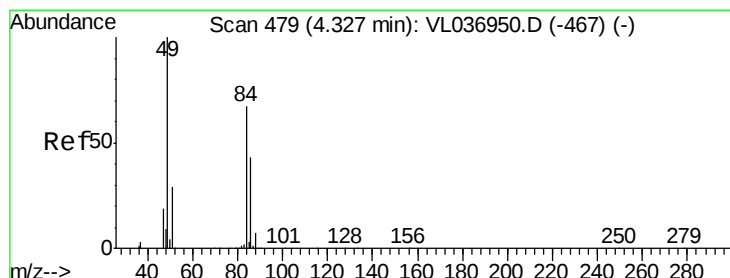
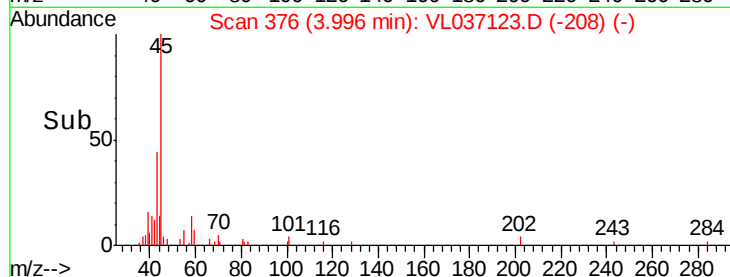
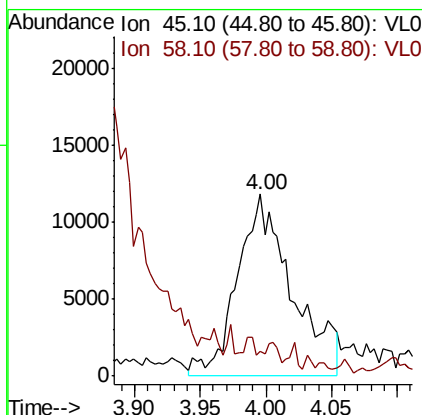
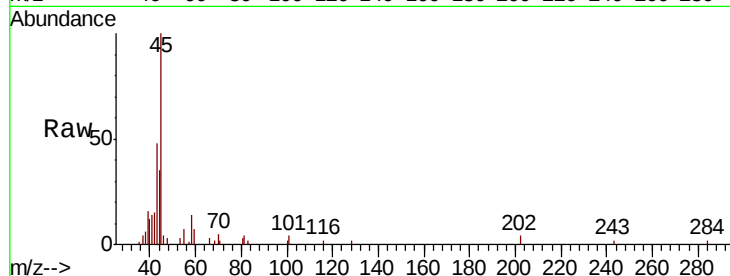
#19
Isopropyl Alcohol
Concen: 0.497 ppbv m
RT: 4.00 min Scan# 376
Delta R.T. 0.04 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Instrument :
MSVOA_L
ClientSampleId :
SGS-19ADL

Tot Ion: 45 Resp: 34362
Ion Ratio Lower Upper
45 100
58 17.4 37.2 55.8#

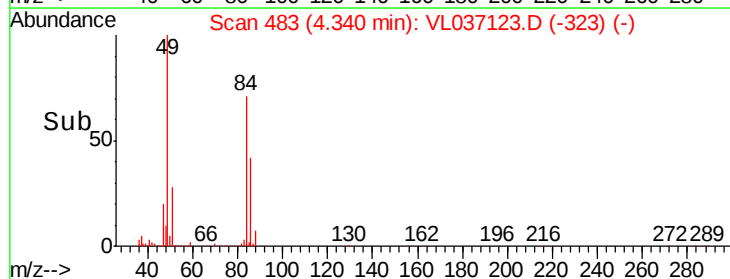
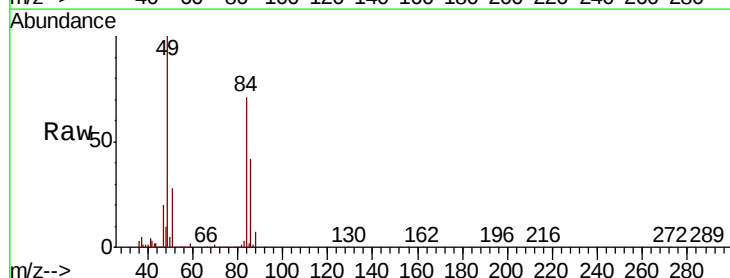
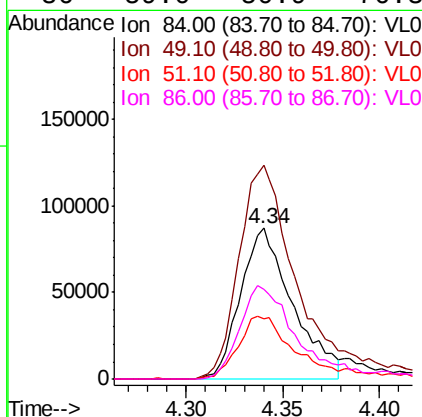
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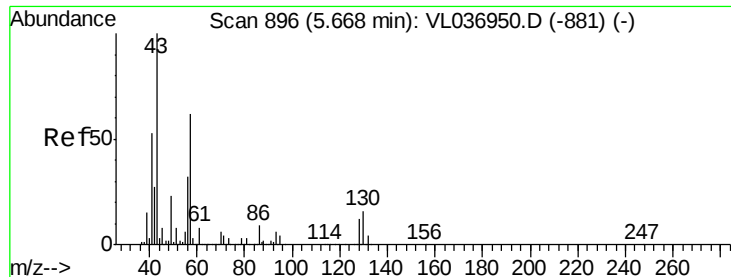
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#20
Methylene Chloride
Concen: 2.362 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Tgt Ion: 84 Resp: 162862
Ion Ratio Lower Upper
84 100
49 141.4 119.8 179.6
51 39.8 35.1 52.7
86 59.0 50.9 76.3





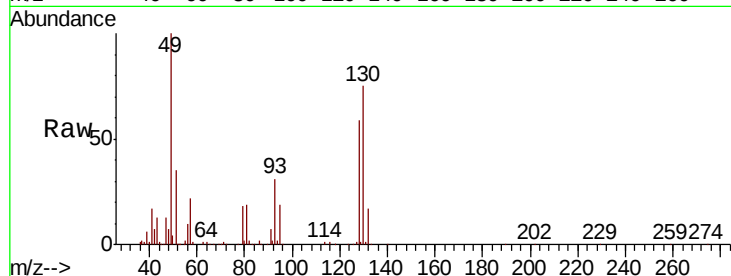
#26
Hexane
Concen: 0.483 ppbv
RT: 5.68 min Scan# 901
Delta R.T. 0.02 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Instrument :
MSVOA_L
ClientSampleId :
SGS-19ADL

Tot Ion	Ratio	Lower	Upper
57	100		
41	107.6	70.5	105.7#
43	77.5	165.8	248.8#
56	60.7	42.2	63.4

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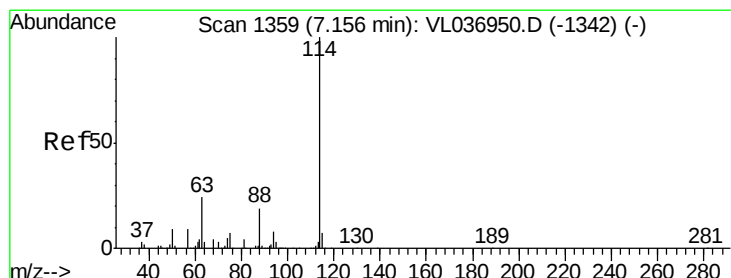
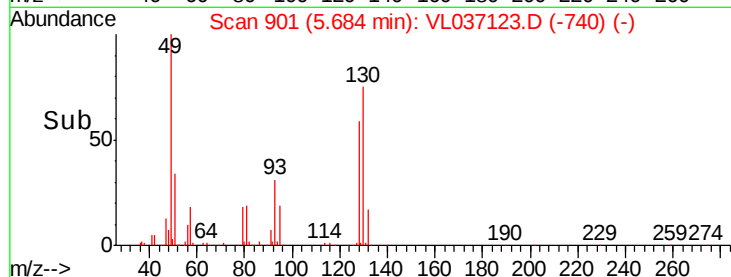
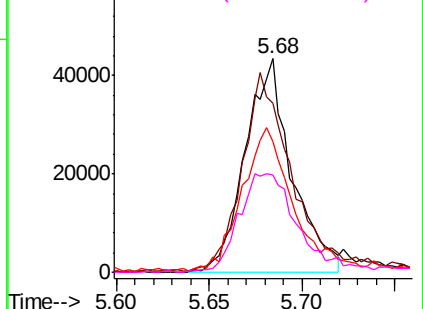
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

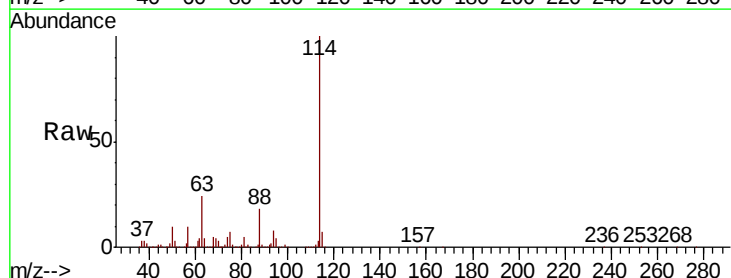
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. 0.01 min
Lab File: VL037123.D
Acq: 3 Jun 2021 5:31

Tgt Ion	Ratio	Lower	Upper
114	100		
63	24.2	19.6	29.4
88	17.6	14.6	21.8

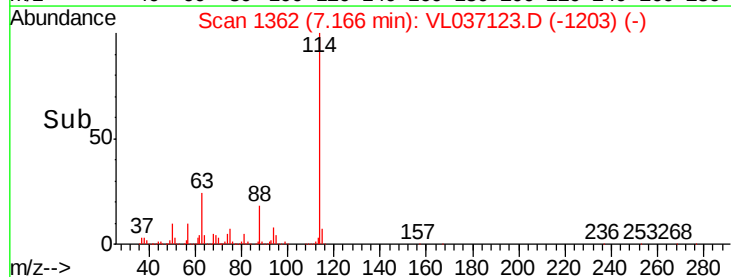
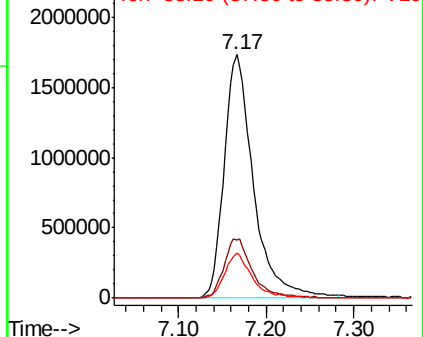


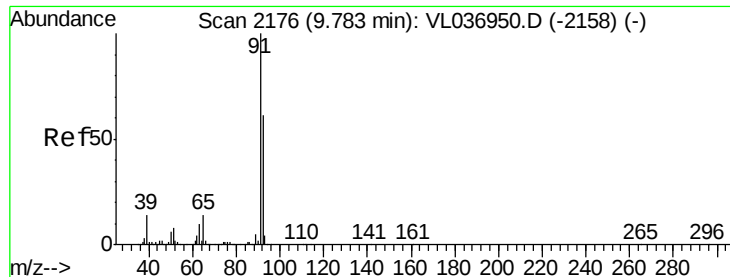
Abundance

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





#53

Toluene

Concen: 0.145 ppbv

RT: 9.80 min Scan# 2181

Delta R.T. 0.02 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

Instrument :

MSVOA_L

ClientSampleId :

SGS-19ADL

Tot Ion: 91 Resp: 60106

Ion Ratio Lower Upper

91 100

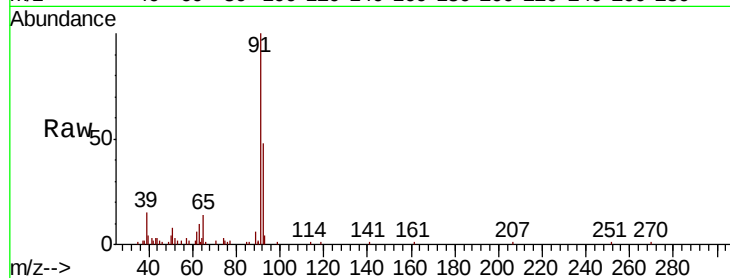
92 63.5 49.5 74.3

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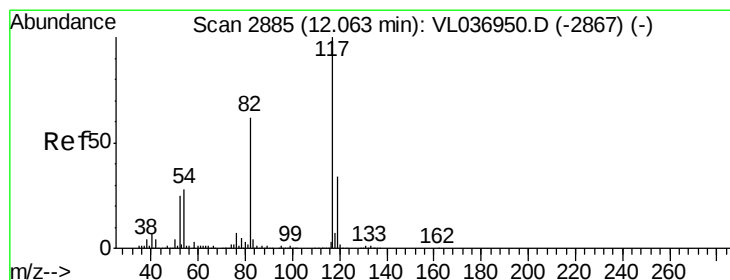
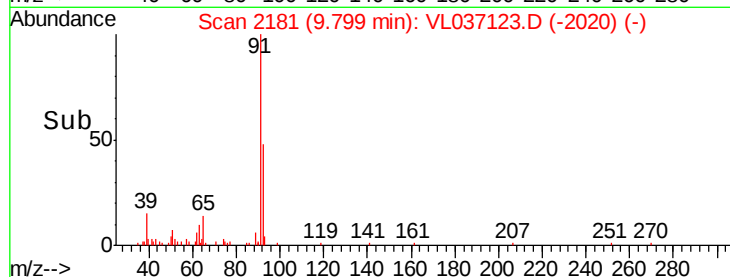
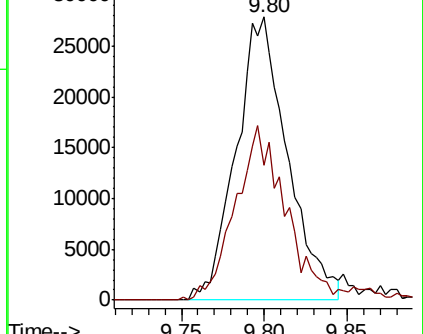
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2888

Delta R.T. 0.01 min

Lab File: VL037123.D

Acq: 3 Jun 2021 5:31

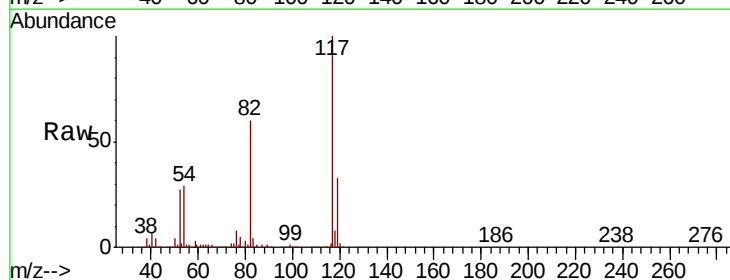
Tgt Ion: 117 Resp: 3542347

Ion Ratio Lower Upper

117 100

82 64.9 52.6 79.0

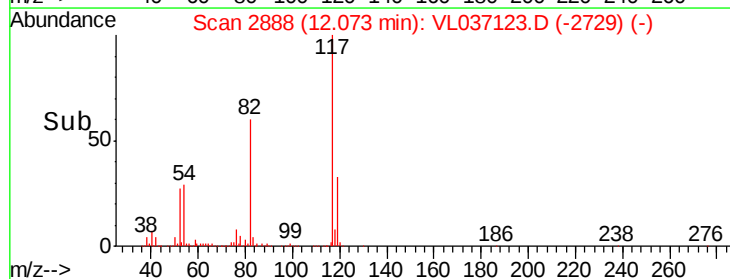
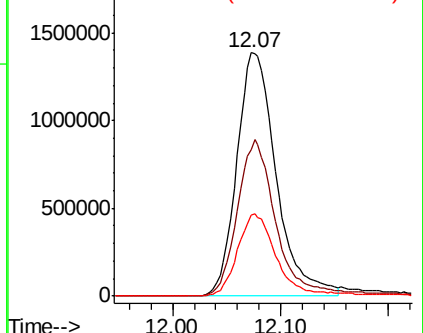
119 34.4 46.6 70.0#

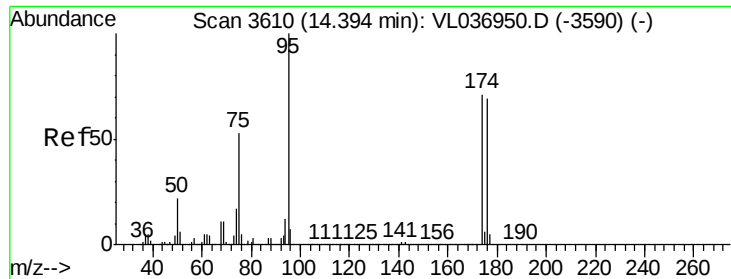


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.902 ppbv
 RT: 14.40 min Scan# 3613
 Delta R.T. 0.01 min
 Lab File: VL037123.D
 Acq: 3 Jun 2021 5:31

Instrument :
 MSVOA_L
 ClientSampleId :
 SGS-19ADL

Tot Ion	Ratio	Lower	Upper
95	100		
174	75.0	58.4	87.6
175	5.7	4.4	6.6

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