

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060821\
 Data File : VL037139.D
 Acq On : 8 Jun 2021 19:38
 Operator : SY/AP
 Sample : M2614-05DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6CDL

Manual Integrations
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Quant Time: Jun 09 03:15:21 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	5.67	49	1299095	10.00	ppbv	0.02
33) 1,4-Difluorobenzene	7.17	114	3796545	10.00	ppbv	0.02
55) Chlorobenzene-d5	12.08	117	3468730	10.00	ppbv	0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2466022	9.46	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.98	51	59634	0.251	ppbv	93
9) Propene	3.02	41	28348m	0.333	ppbv	
13) Ethanol	3.60	45	1791441	157.548	ppbv	99
15) Acetone	3.85	43	197420	1.484	ppbv #	80
19) Isopropyl Alcohol	3.97	45	264762m	3.702	ppbv	
20) Methylene Chloride	4.34	84	59397	0.833	ppbv	97
25) Ethyl Acetate	5.68	43	69612m	0.218	ppbv	
34) 2-Butanone	5.25	43	27874m	0.202	ppbv	
36) Benzene	6.88	78	113395	0.347	ppbv	96
53) Toluene	9.81	91	48379m	0.124	ppbv	

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

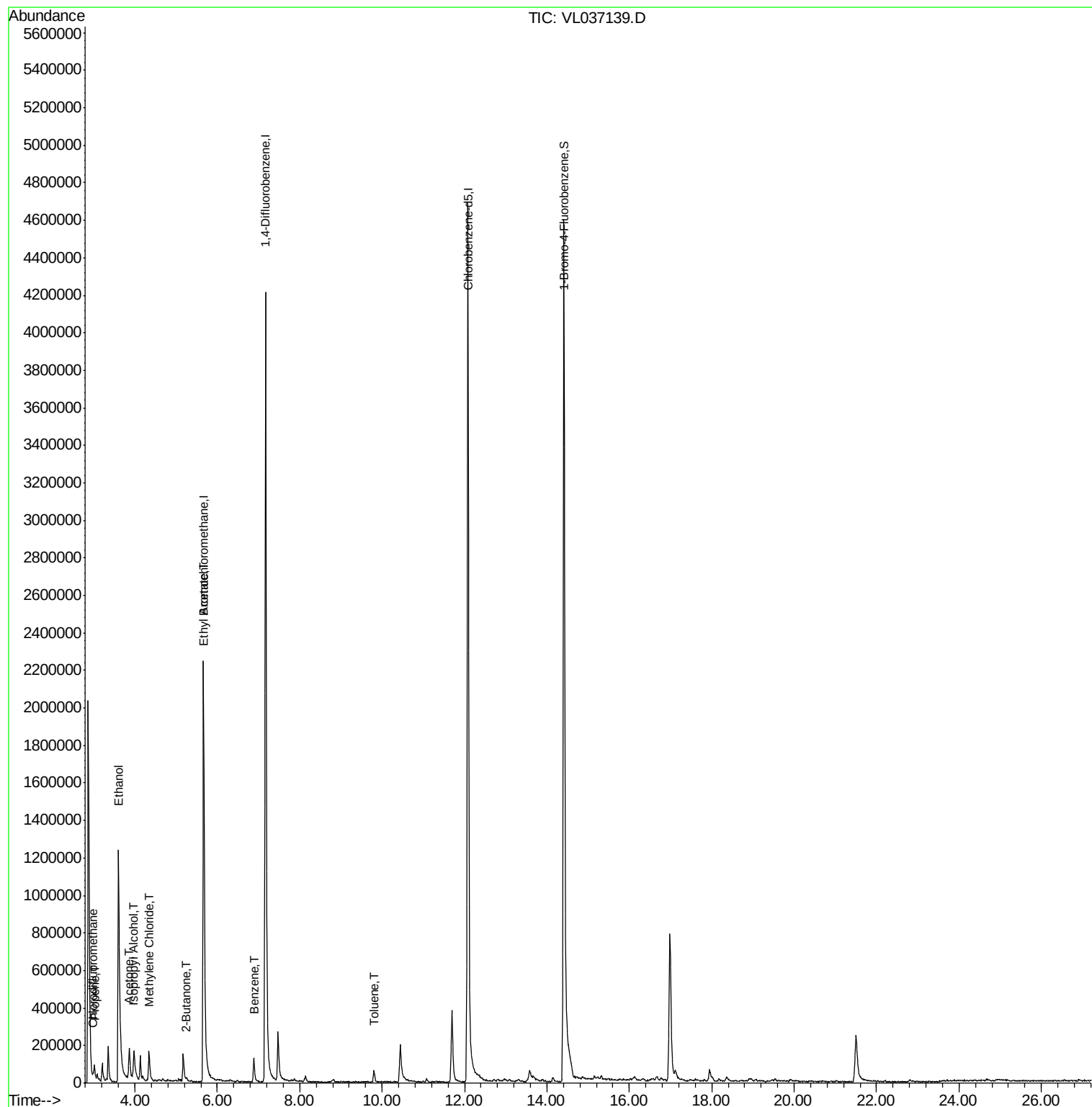
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL060821\
Data File : VL037139.D
Acq On : 8 Jun 2021 19:38
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Misc : 400mL/MSVOA L
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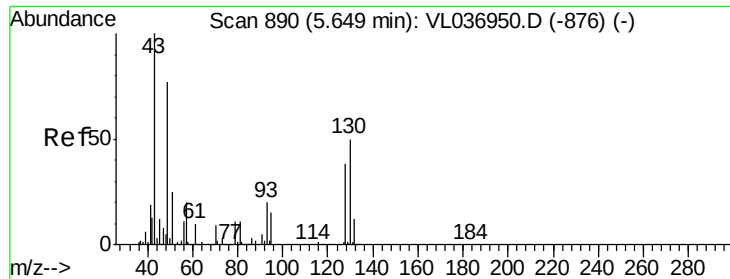
Instrument :
MSVOA_L
ClientSampleId :
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Quant Time: Jun 09 03:15:21 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May
QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.02 min

Lab File: VL037139.D

Acq: 8 Jun 2021 19:38

Instrument :

MSVOA_L

ClientSampleId :

SR-6CDL

Tot Ion: 49 Resp: 1299095

Ion Ratio Lower Upper

49 100

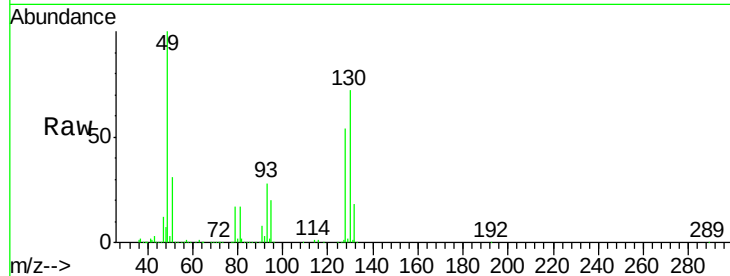
128 57.2 26.9 80.7

130 73.3 33.8 101.4

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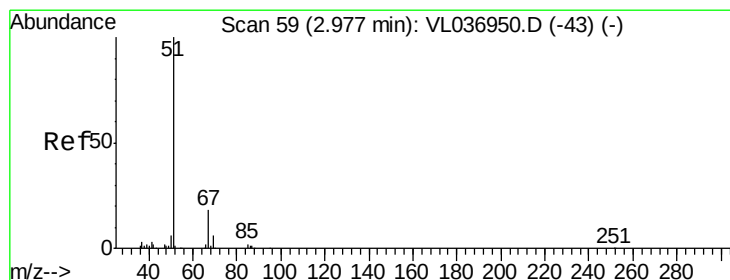
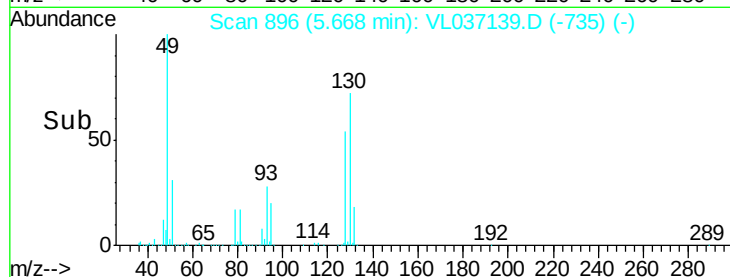
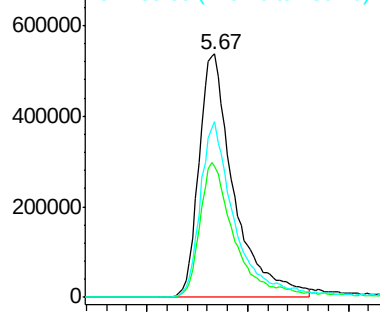
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.251 ppbv

RT: 2.98 min Scan# 61

Delta R.T. 0.01 min

Lab File: VL037139.D

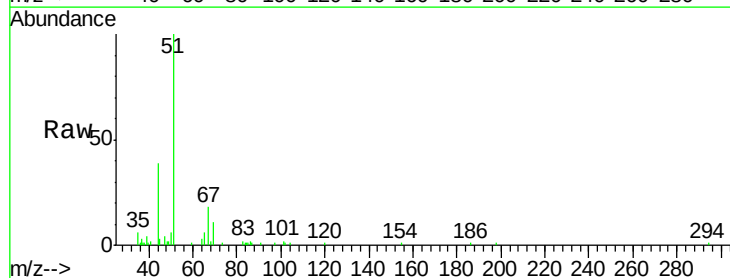
Acq: 8 Jun 2021 19:38

Tgt Ion: 51 Resp: 59634

Ion Ratio Lower Upper

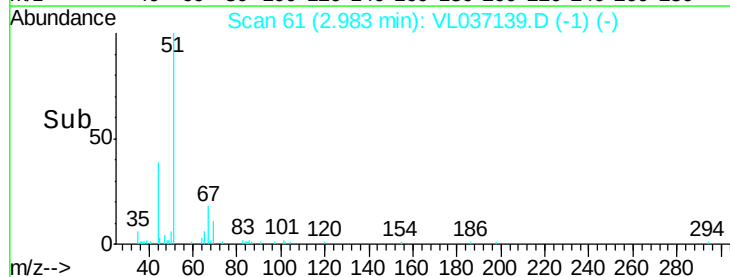
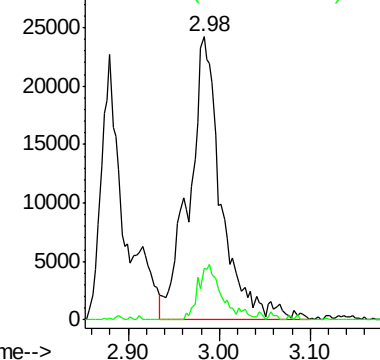
51 100

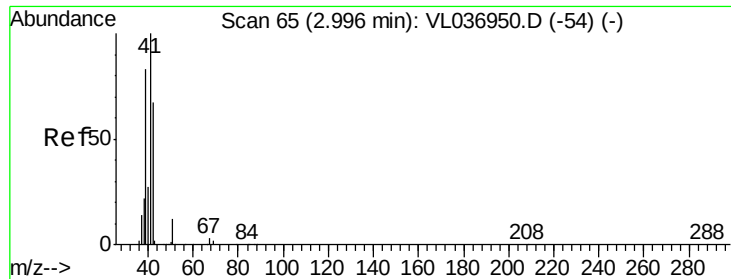
67 14.9 14.6 21.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





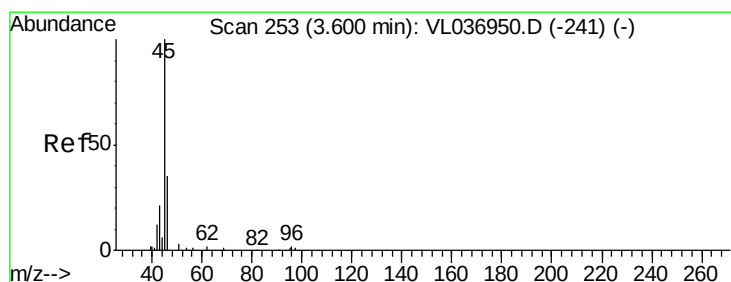
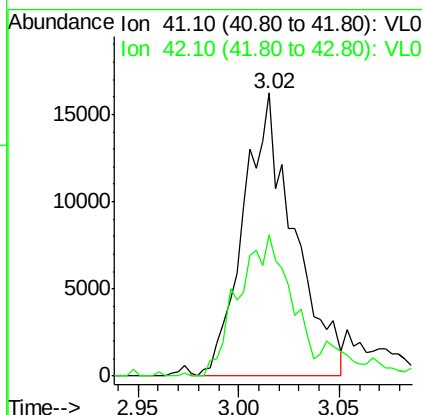
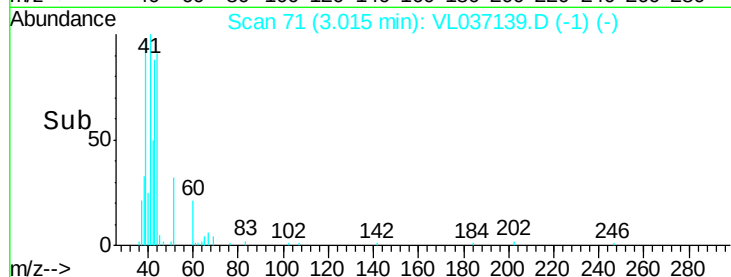
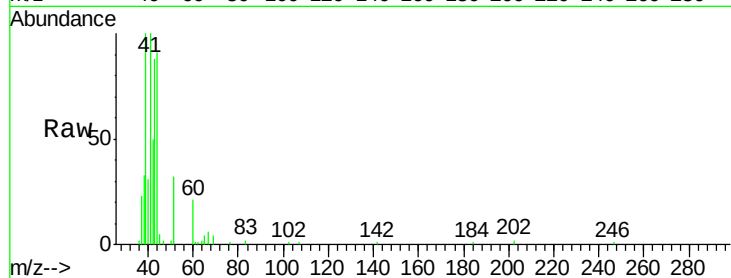
#9
 Propene
 Concen: 0.333 ppbv m
 RT: 3.02 min Scan# 71
 Delta R.T. 0.02 min
 Lab File: VL037139.D
 Acq: 8 Jun 2021 19:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6CDL

Tot Ion: 41 Resp: 28348
 Ion Ratio Lower Upper
 41 100
 42 60.2 53.9 80.9

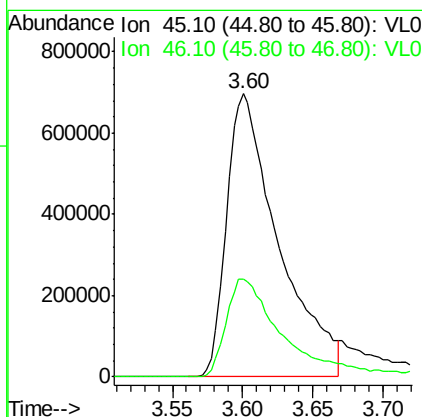
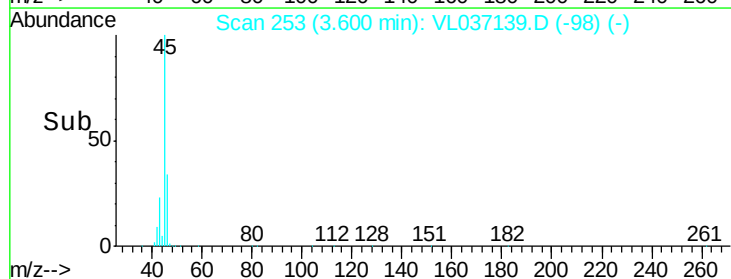
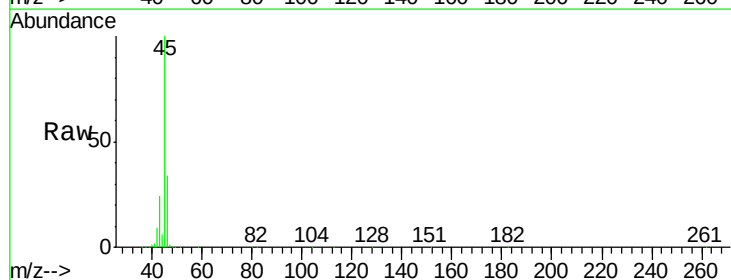
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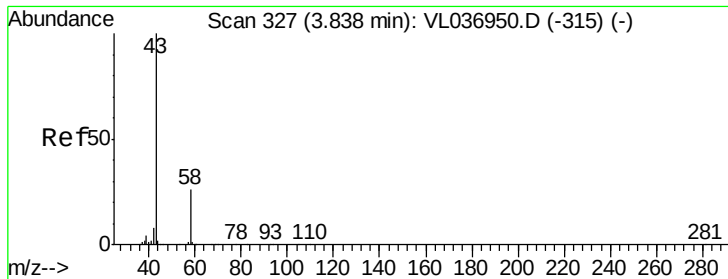
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#13
 Ethanol
 Concen: 157.548 ppbv
 RT: 3.60 min Scan# 253
 Delta R.T. -0.00 min
 Lab File: VL037139.D
 Acq: 8 Jun 2021 19:38

Tgt Ion: 45 Resp: 1791441
 Ion Ratio Lower Upper
 45 100
 46 40.3 16.3 65.3





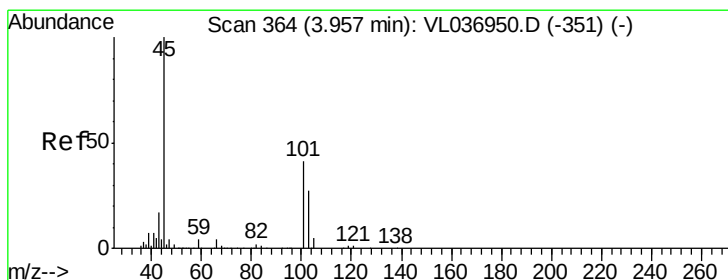
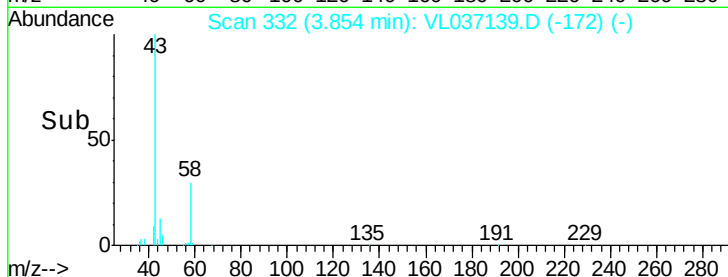
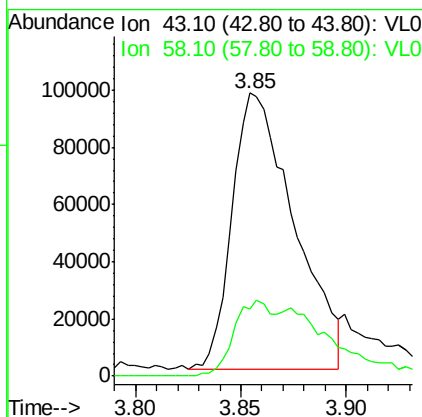
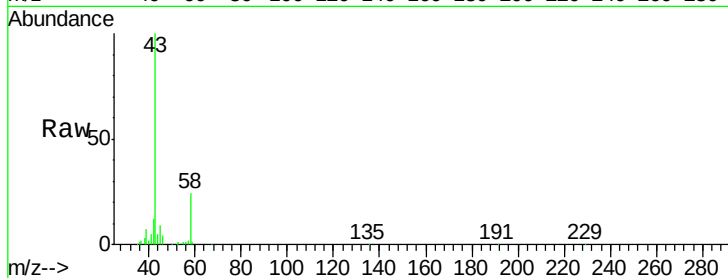
#15
Acetone
Concen: 1.484 ppbv
RT: 3.85 min Scan# 332
Delta R.T. 0.02 min
Lab File: VL037139.D
Acq: 8 Jun 2021 19:38

Instrument :
MSVOA_L
ClientSampled :
SR-6CDL

Tot Ion: 43 Resp: 197420
Ion Ratio Lower Upper
43 100
58 40.7 24.0 36.0#

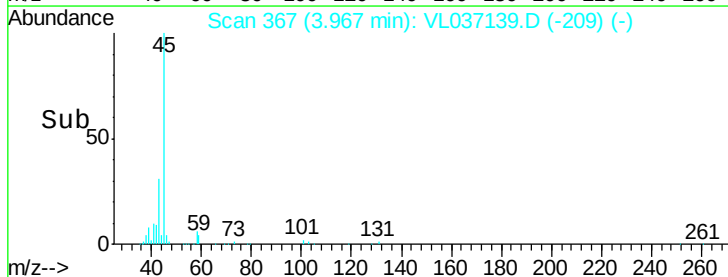
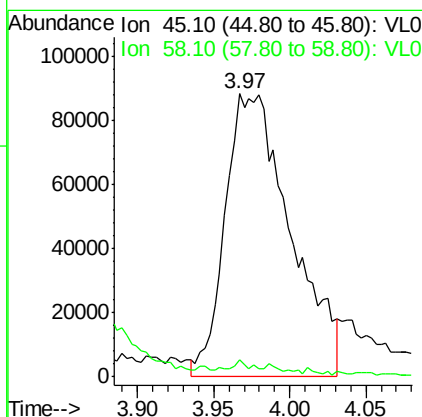
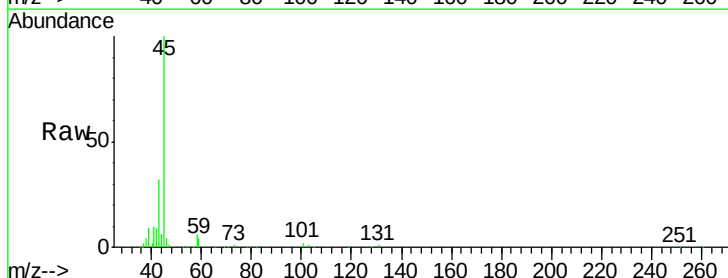
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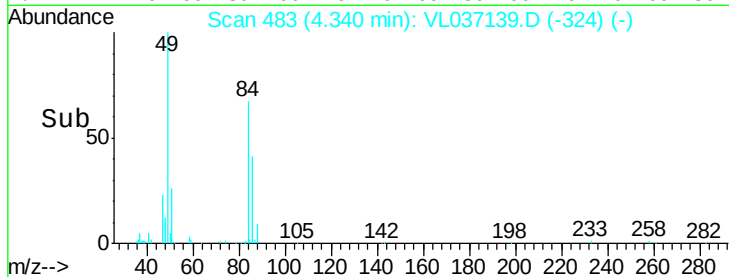
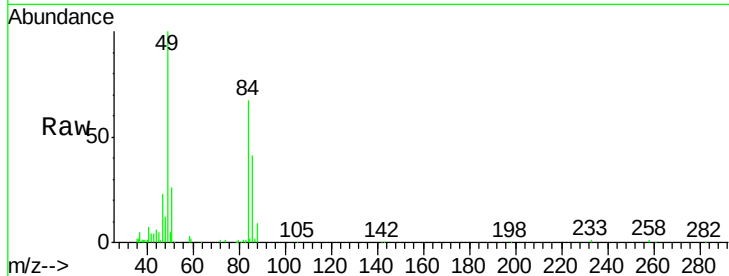
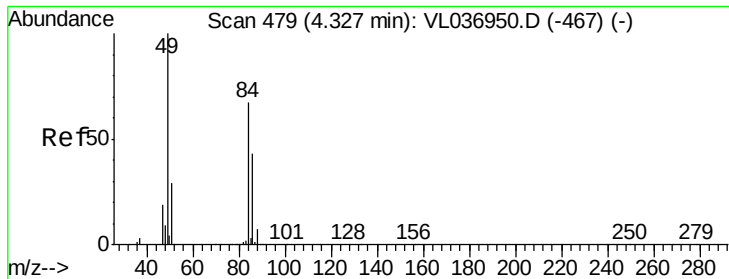
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#19
Isopropyl Alcohol
Concen: 3.702 ppbv m
RT: 3.97 min Scan# 367
Delta R.T. 0.01 min
Lab File: VL037139.D
Acq: 8 Jun 2021 19:38

Tgt Ion: 45 Resp: 264762
Ion Ratio Lower Upper
45 100
58 4.0 37.2 55.8#





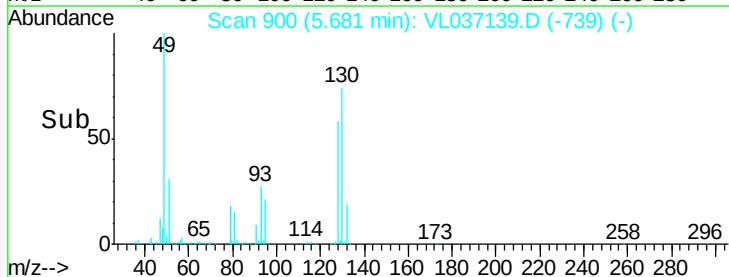
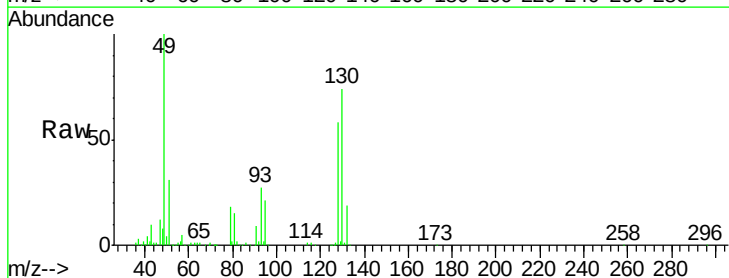
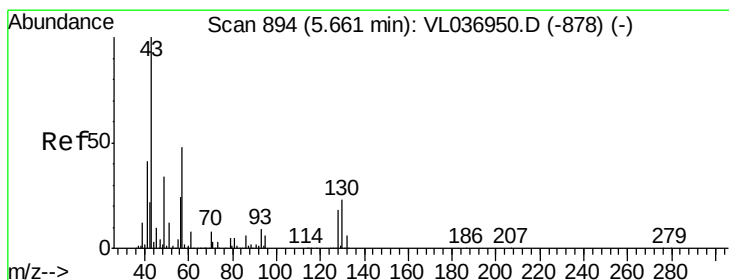
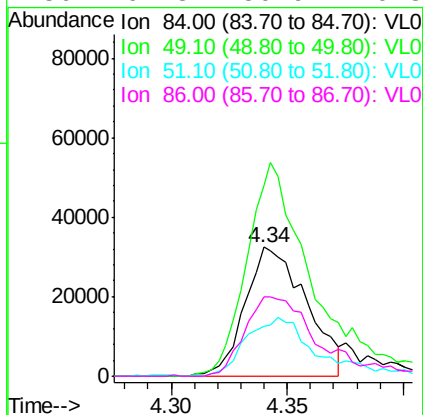
#20
Methylene Chloride
Concen: 0.833 ppbv
RT: 4.34 min Scan# 483
Delta R.T. 0.01 min
Lab File: VL037139.D
Acq: 8 Jun 2021 19:38

Tot Ion:	84	Resp:	59397
Ion	Ratio	Lower	Upper
84	100		
49	148.2	119.8	179.6
51	38.9	35.1	52.7
86	61.3	50.9	76.3

Instrument :
MSVOA_L
ClientSampleId :
SR-6CDL

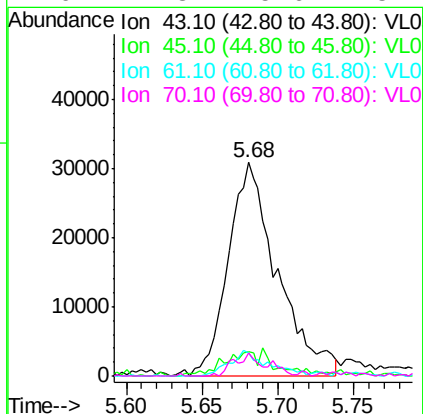
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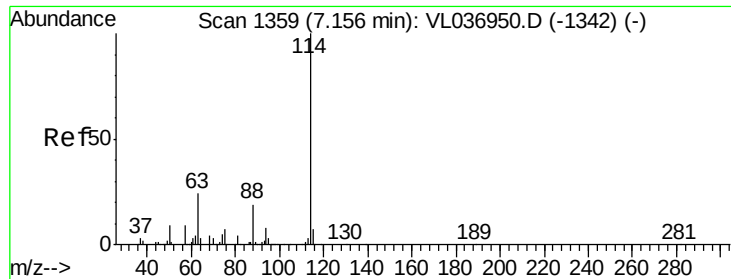
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#25
Ethyl Acetate
Concen: 0.218 ppbv m
RT: 5.68 min Scan# 900
Delta R.T. 0.02 min
Lab File: VL037139.D
Acq: 8 Jun 2021 19:38

Tgt Ion:	43	Resp:	69612
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.8#
61	9.6	7.8	11.8
70	7.3	5.6	8.4





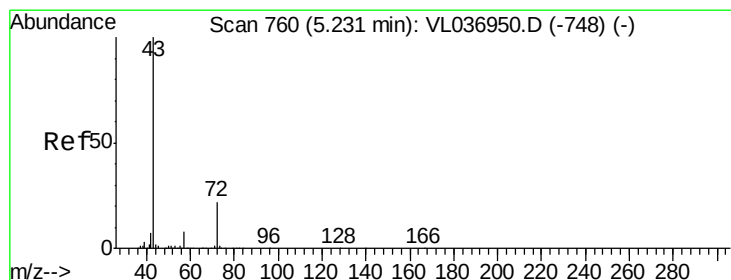
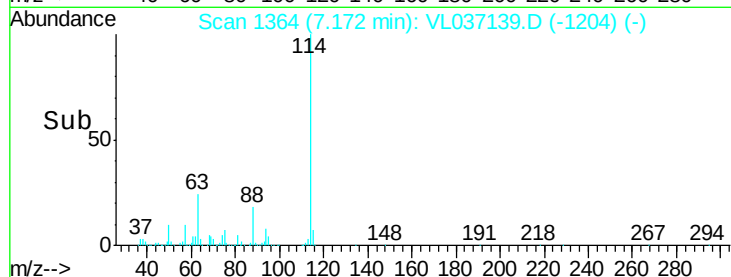
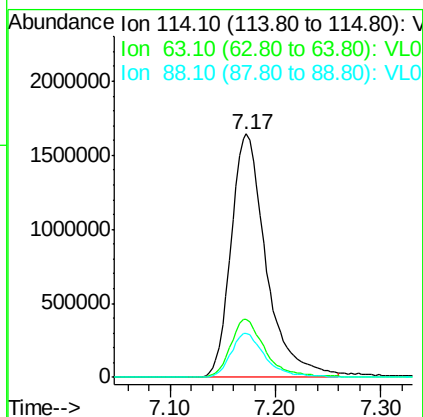
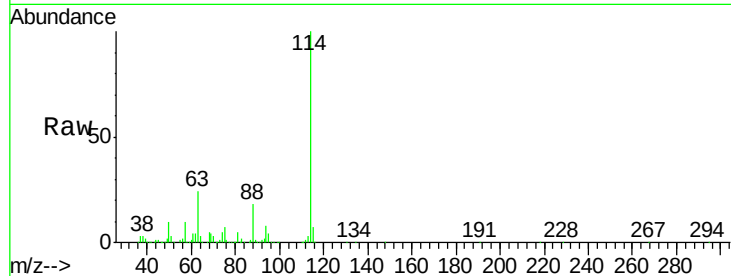
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. 0.02 min
 Lab File: VL037139.D
 Acq: 8 Jun 2021 19:38

Instrument :
 MSVOA_L
 ClientSampleId :
 SR-6CDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	24.1	19.6	29.4
88	17.9	14.6	21.8

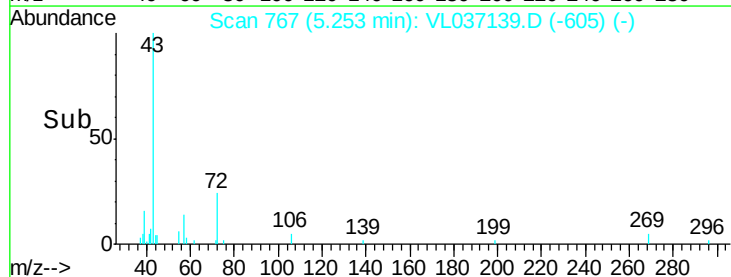
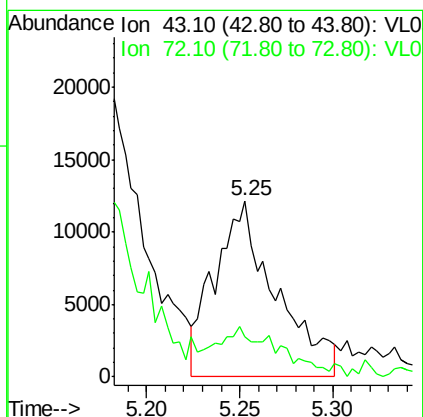
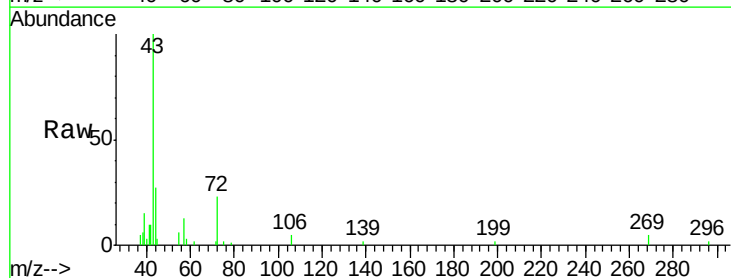
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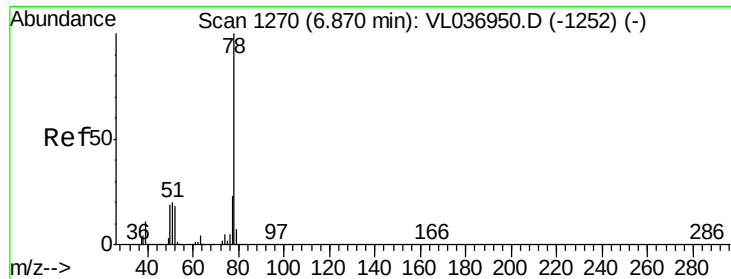
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#34
 2-Butanone
 Concen: 0.202 ppbv m
 RT: 5.25 min Scan# 767
 Delta R.T. 0.02 min
 Lab File: VL037139.D
 Acq: 8 Jun 2021 19:38

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





#36

Benzene

Concen: 0.347 ppbv

RT: 6.88 min Scan# 1274

Delta R.T. 0.01 min

Lab File: VL037139.D

Acq: 8 Jun 2021 19:38

Instrument :

MSVOA_L

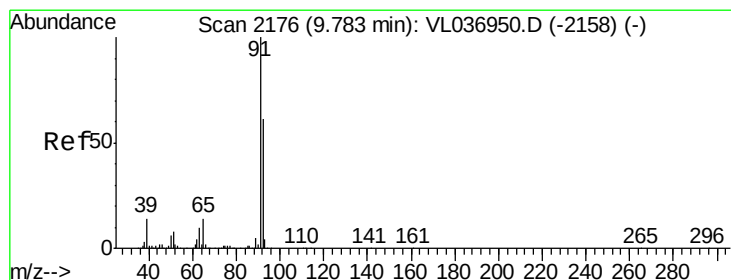
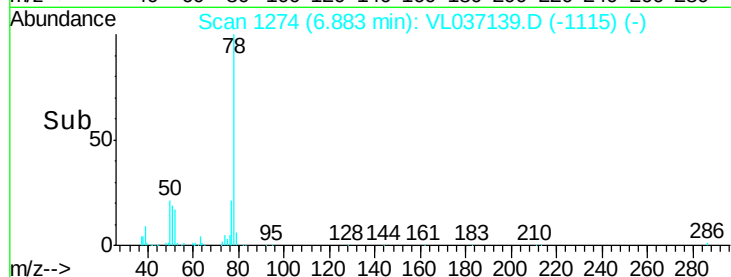
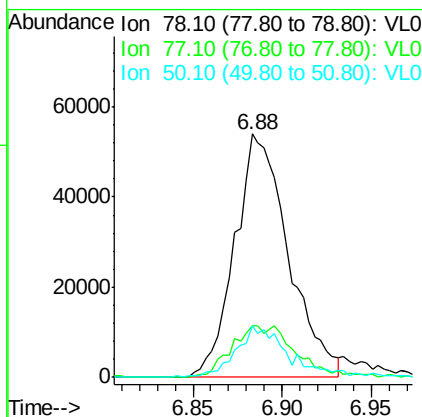
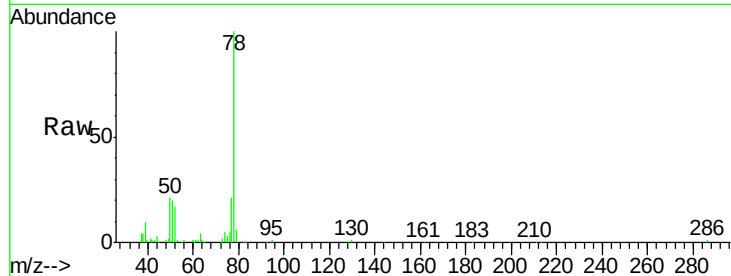
ClientSampleId :

SR-6CDL

Tot Ion:	78	Resp:	11395
Ion	Ratio	Lower	Upper
78	100		
77	21.3	18.6	28.0
50	20.8	15.0	22.4

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#53

Toluene

Concen: 0.124 ppbv m

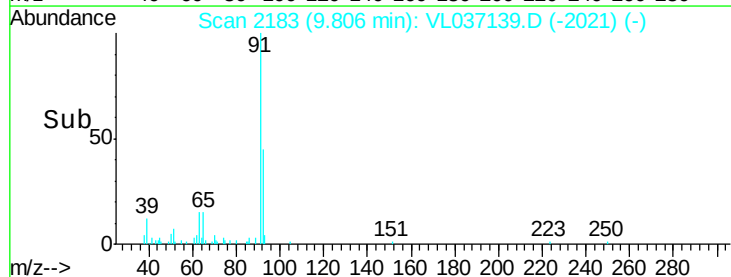
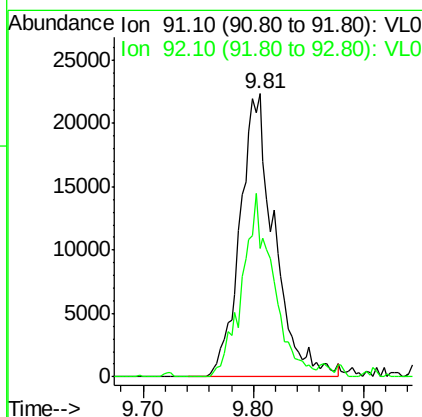
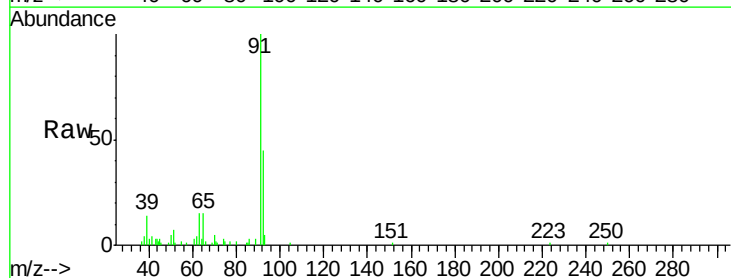
RT: 9.81 min Scan# 2183

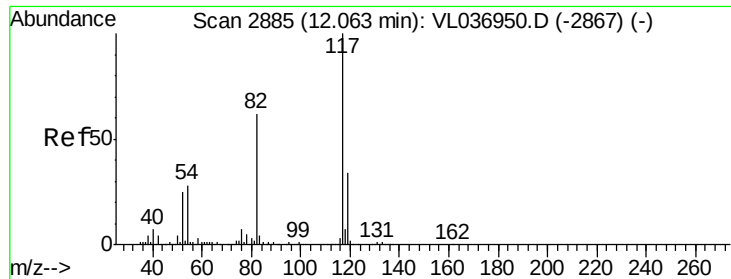
Delta R.T. 0.02 min

Lab File: VL037139.D

Acq: 8 Jun 2021 19:38

Tgt Ion:	91	Resp:	48379
Ion	Ratio	Lower	Upper
91	100		
92	60.8	49.5	74.3





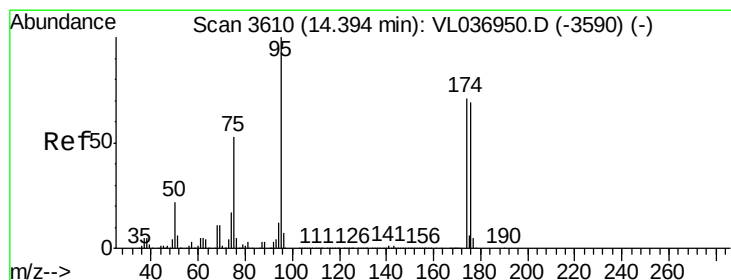
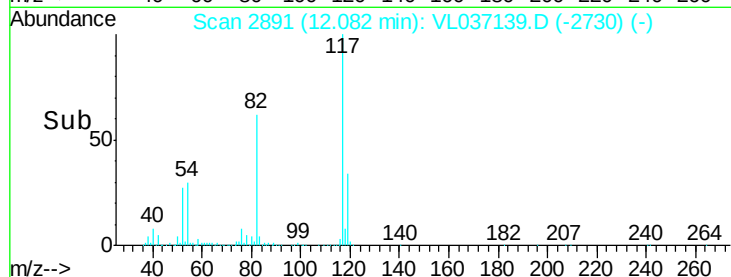
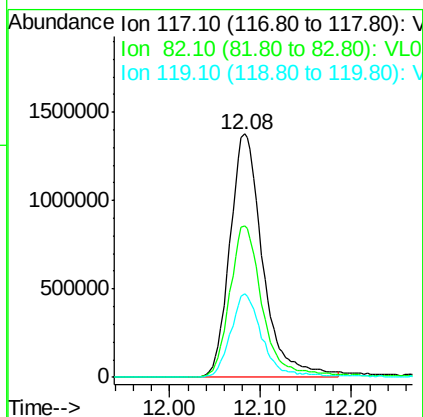
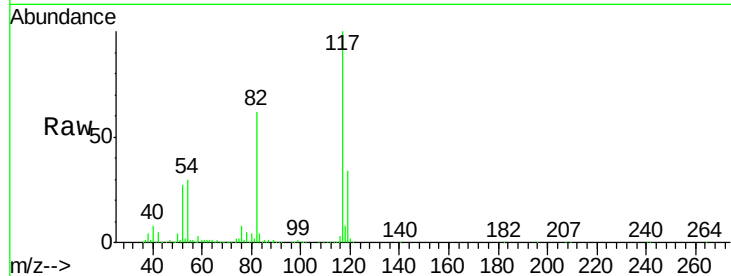
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2891
Delta R.T. 0.02 min
Lab File: VL037139.D
Acq: 8 Jun 2021 19:38

Instrument :
MSVOA_L
ClientSampleId :
SR-6CDL

Tot Ion:117 Resp: 3468730
Ion Ratio Lower Upper
117 100
82 63.1 52.6 79.0
119 33.7 46.6 70.0#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.464 ppbv
RT: 14.41 min Scan# 3616
Delta R.T. 0.02 min
Lab File: VL037139.D
Acq: 8 Jun 2021 19:38

Tgt Ion: 95 Resp: 2466022
Ion Ratio Lower Upper
95 100
174 76.7 58.4 87.6
175 5.5 4.4 6.6

