

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL100121\
 Data File : VL037743.D
 Acq On : 1 Oct 2021 16:02
 Operator : SY/AP
 Sample : M4012-01 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P23DL

Quant Time: Oct 02 01:34:21 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1449670	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4261801	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3541374	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2504190	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

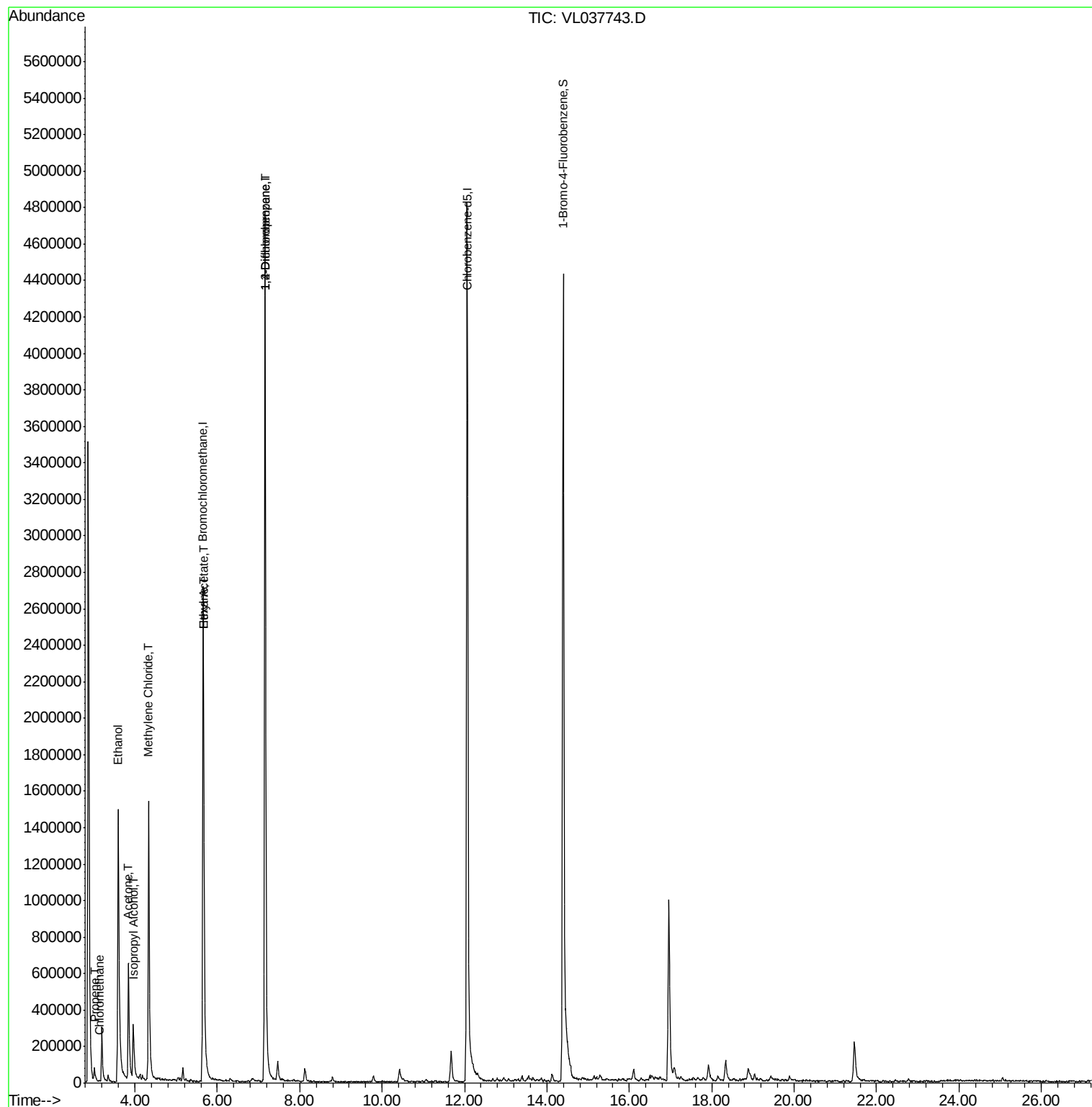
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Chloromethane	3.13	50	5039	0.050	ppbv #	70
9) Propene	3.02	41	13745	0.143	ppbv	90
13) Ethanol	3.59	45	2053005	217.605	ppbv	94
15) Acetone	3.84	43	817269	5.426	ppbv	96
19) Isopropyl Alcohol	3.96	45	392959	4.795	ppbv	99
20) Methylene Chloride	4.34	84	635929	8.844	ppbv	98
25) Ethyl Acetate	5.67	43	167174	0.458	ppbv #	80
26) Hexane	5.67	57	133036	0.768	ppbv #	45
39) 1,2-Dichloropropane	7.16	63	1005633	7.388	ppbv #	27

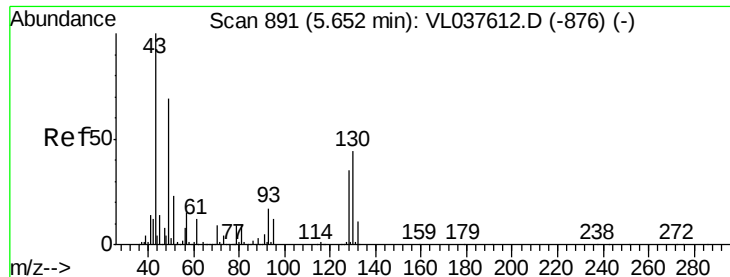
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037743.D

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ClientSampleId :

C0P23DL

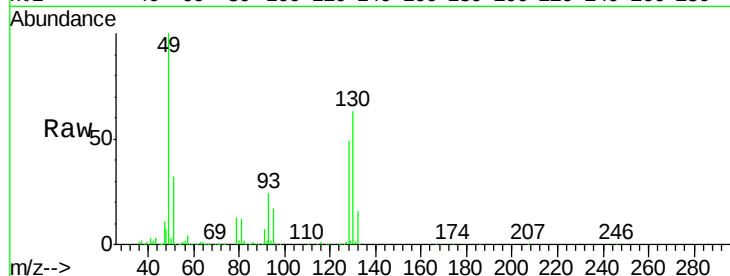
Tgt Ion: 49 Resp: 1449670

Ion Ratio Lower Upper

49 100

128 54.1 27.9 83.6

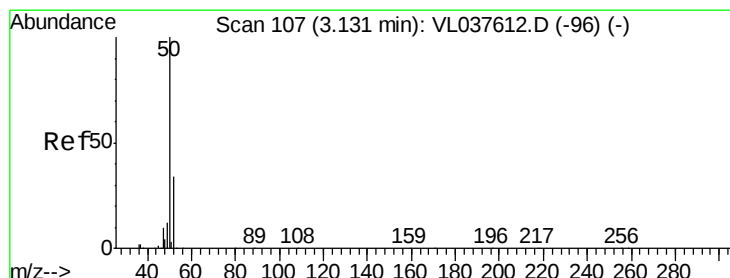
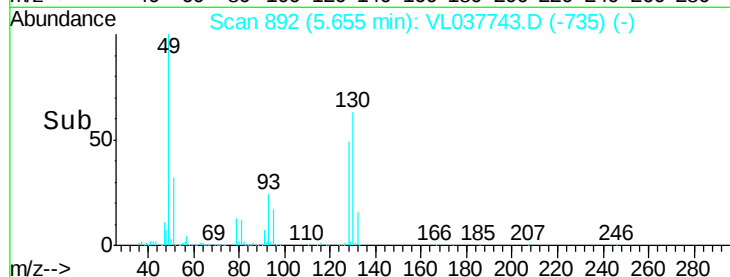
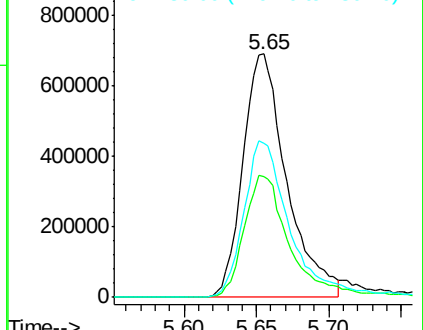
130 70.0 33.9 101.7



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



#4

Chloromethane

Concen: 0.050 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037743.D

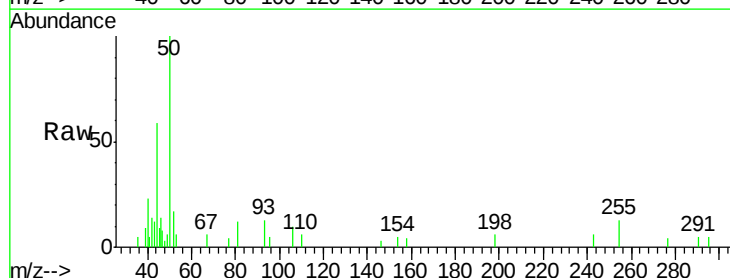
Acq: 1 Oct 2021 16:02

Tgt Ion: 50 Resp: 5039

Ion Ratio Lower Upper

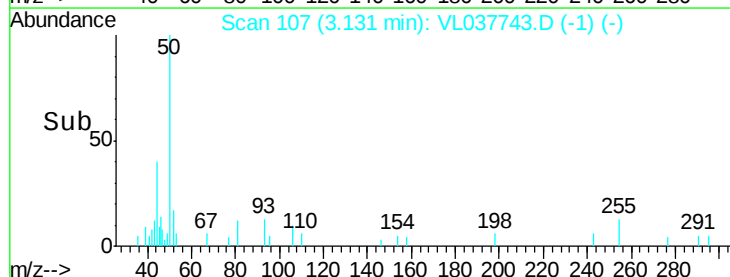
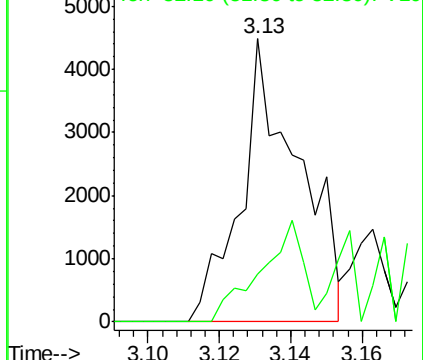
50 100

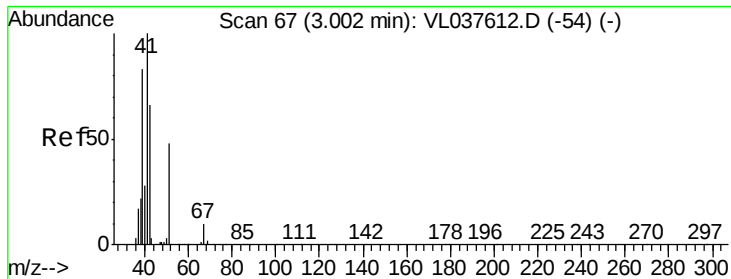
52 16.9 27.1 40.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.143 ppbv

RT: 3.02 min Scan# 72

Delta R.T. 0.02 min

Lab File: VL037743.D

Acq: 1 Oct 2021 16:02

Instrument :

MSVOA_L

ClientSampleId :

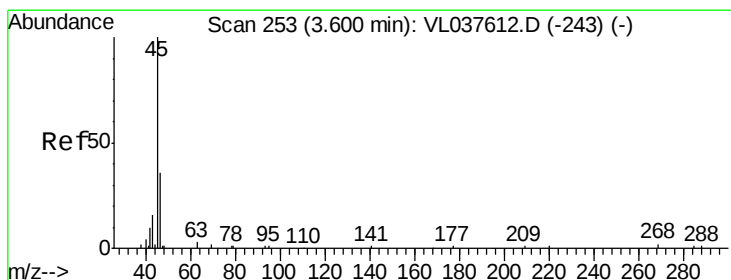
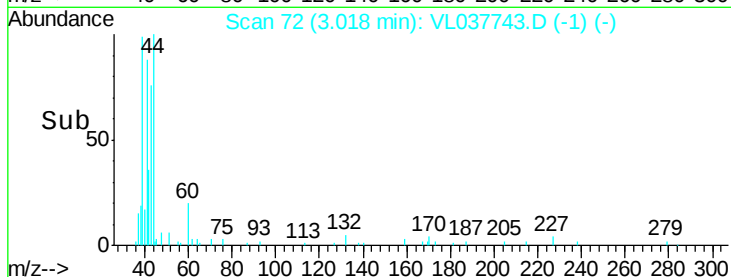
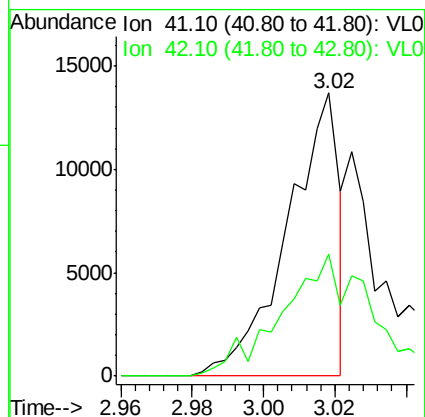
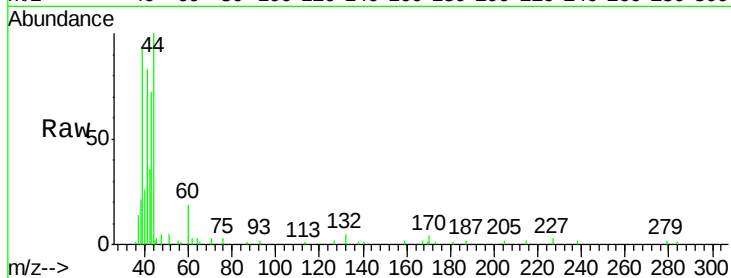
C0P23DL

Tgt Ion: 41 Resp: 13745

Ion Ratio Lower Upper

41 100

42 79.6 57.2 85.8



#13

Ethanol

Concen: 217.605 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL037743.D

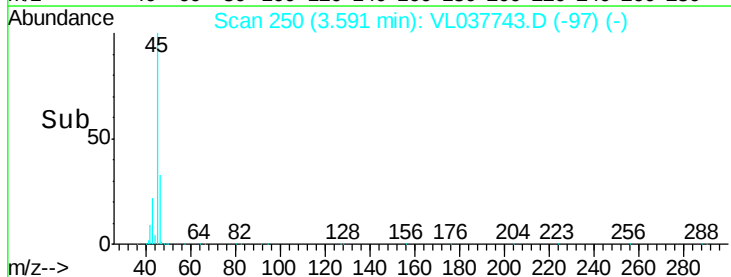
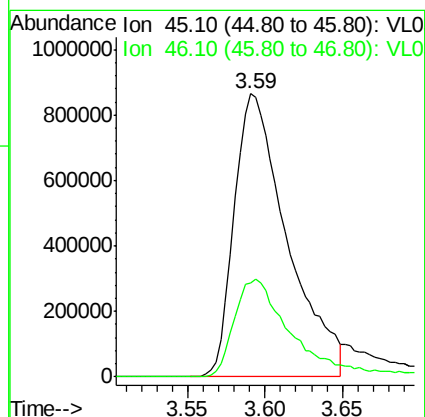
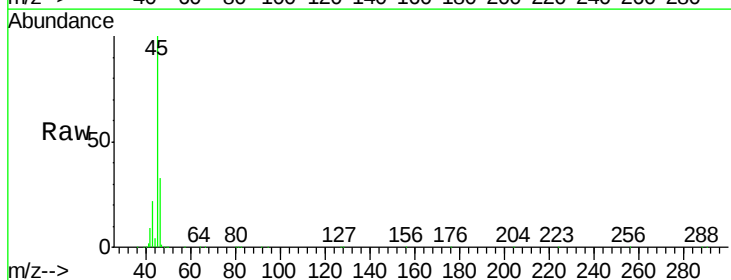
Acq: 1 Oct 2021 16:02

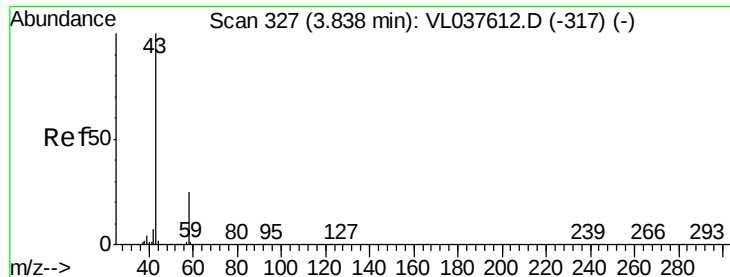
Tgt Ion: 45 Resp: 2053005

Ion Ratio Lower Upper

45 100

46 39.0 17.2 68.8





#15

Acetone

Concen: 5.426 ppbv

RT: 3.84 min Scan# 329

Delta R.T. 0.01 min

Lab File: VL037743.D

Acq: 1 Oct 2021 16:02

Instrument :

MSVOA_L

ClientSampleId :

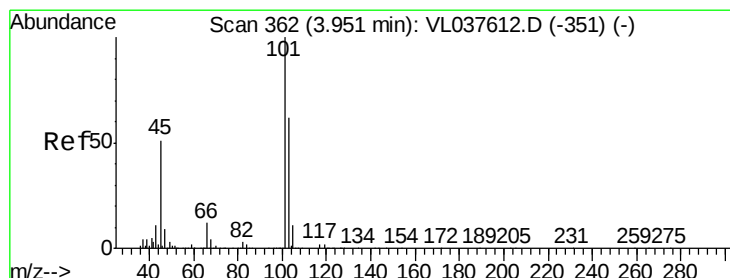
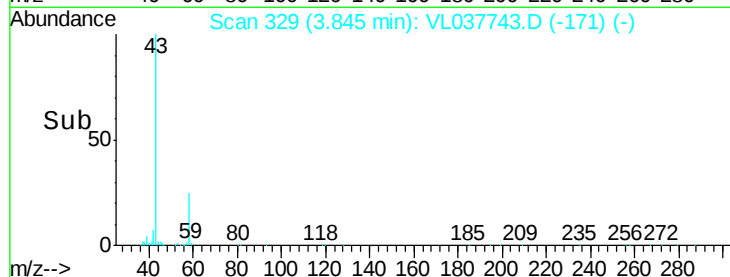
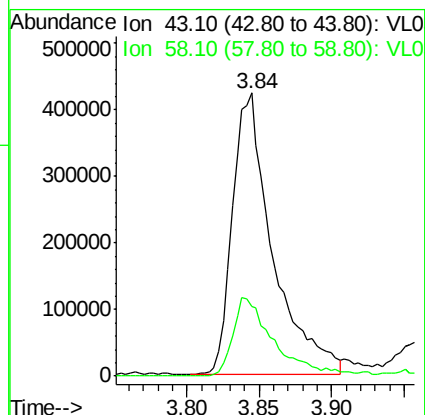
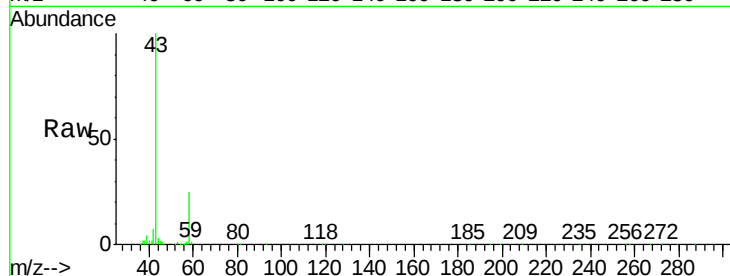
C0P23DL

Tgt Ion: 43 Resp: 817269

Ion Ratio Lower Upper

43 100

58 29.0 24.9 37.3



#19

Isopropyl Alcohol

Concen: 4.795 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL037743.D

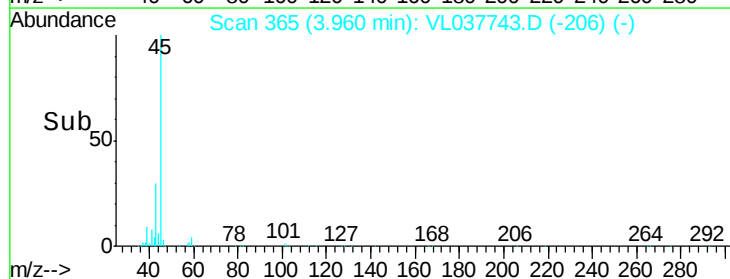
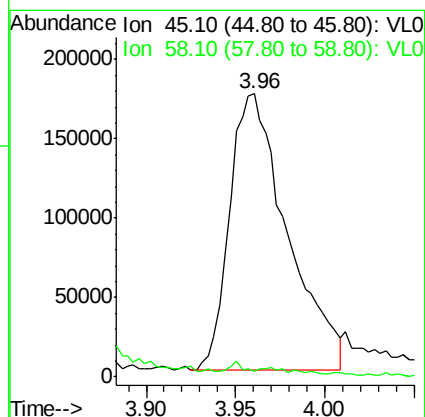
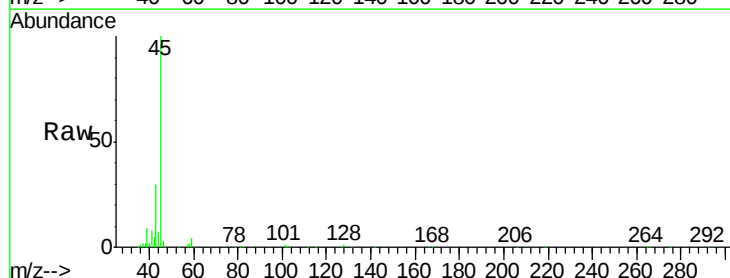
Acq: 1 Oct 2021 16:02

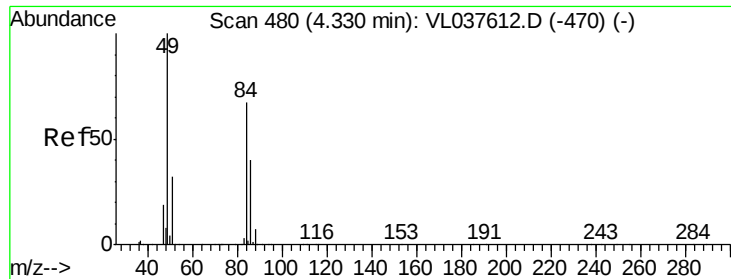
Tgt Ion: 45 Resp: 392959

Ion Ratio Lower Upper

45 100

58 3.4 2.9 4.3

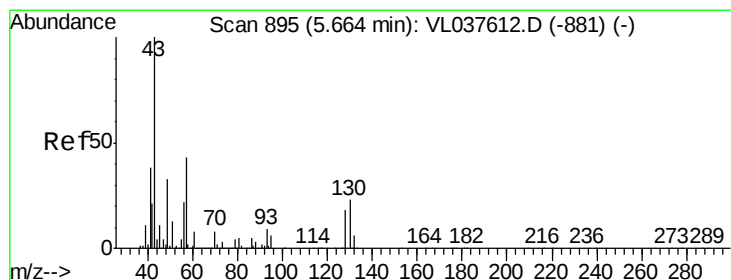
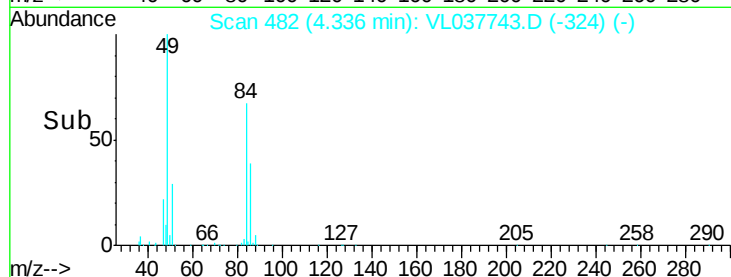
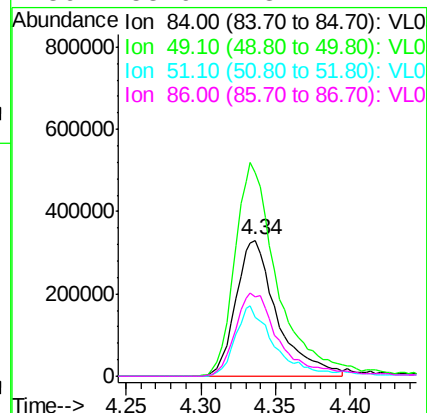
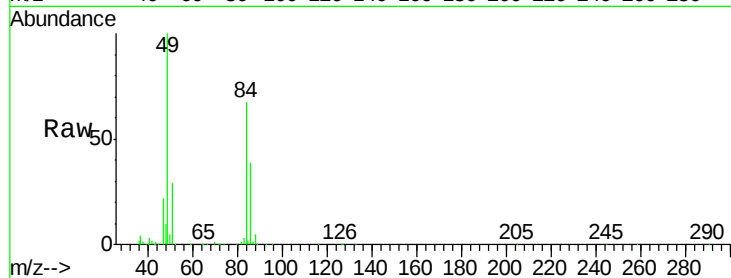




#20
Methylene Chloride
Concen: 8.844 ppbv
RT: 4.34 min Scan# 482
Delta R.T. 0.01 min
Lab File: VL037743.D
Acq: 1 Oct 2021 16:02

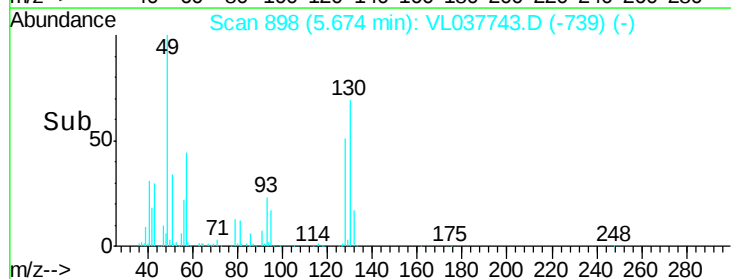
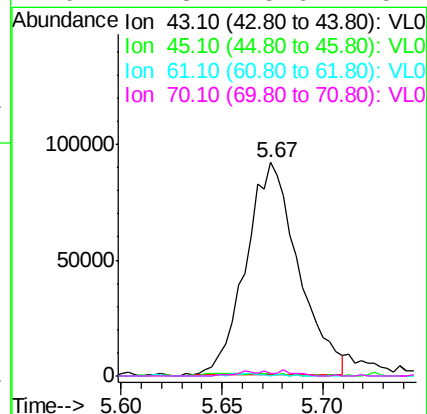
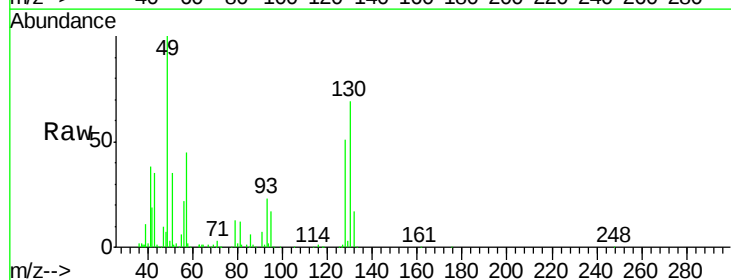
Instrument :
MSVOA_L
ClientSampleId :
C0P23DL

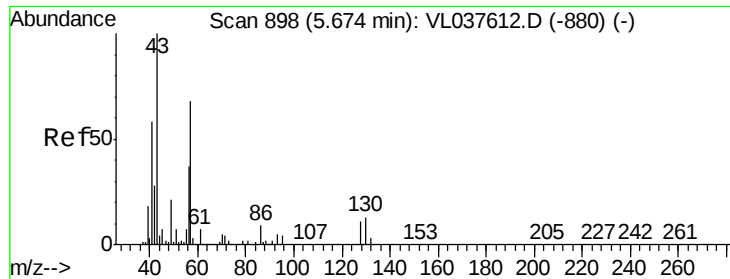
Tgt Ion:	84	Resp:	635929
Ion	Ratio	Lower	Upper
84	100		
49	150.1	120.0	180.0
51	43.4	38.0	57.0
86	58.9	48.2	72.2



#25
Ethyl Acetate
Concen: 0.458 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL037743.D
Acq: 1 Oct 2021 16:02

Tgt Ion:	43	Resp:	167174
Ion	Ratio	Lower	Upper
43	100		
45	2.0	8.0	12.0#
61	1.0	7.5	11.3#
70	2.3	5.6	8.4#

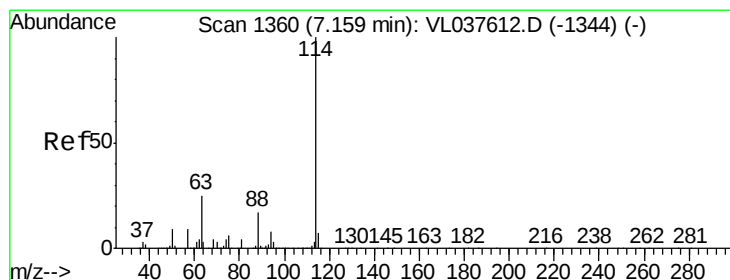
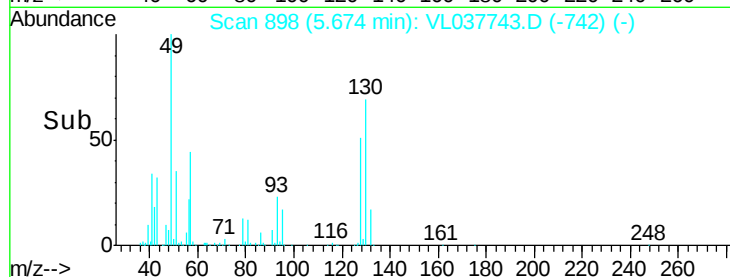
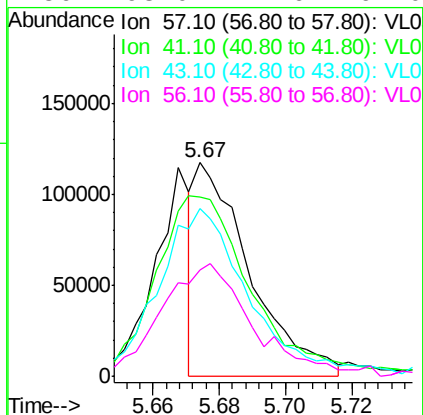
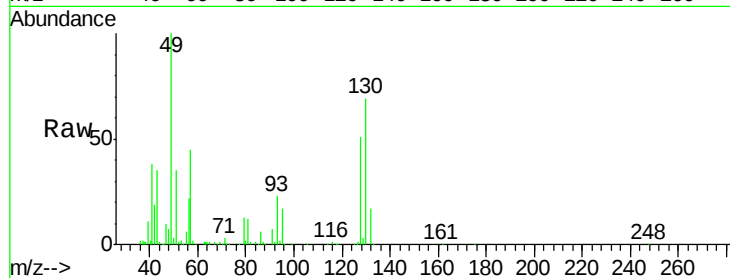




#26
Hexane
Concen: 0.768 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037743.D
Acq: 1 Oct 2021 16:02

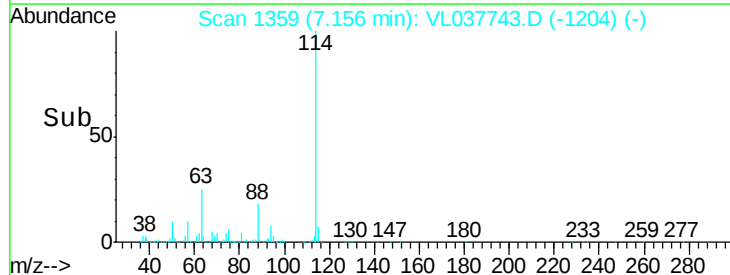
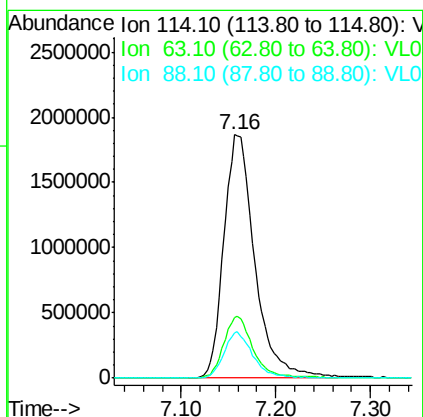
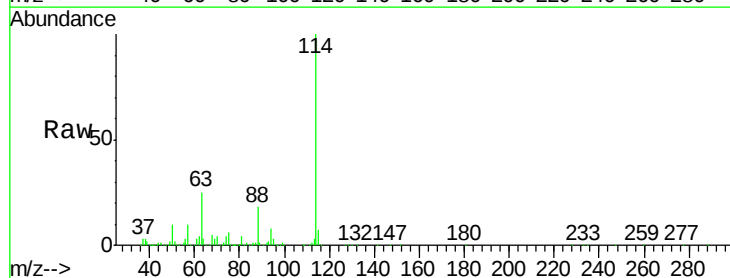
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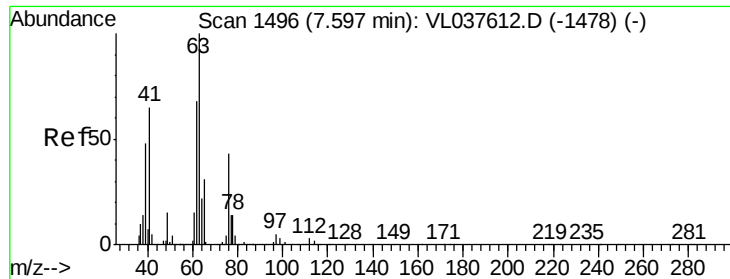
Tgt Ion: 57 Resp: 133036
Ion Ratio Lower Upper
57 100
41 155.1 70.9 106.3#
43 137.5 170.4 255.6#
56 93.0 42.6 64.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL037743.D
Acq: 1 Oct 2021 16:02

Tgt Ion: 114 Resp: 4261801
Ion Ratio Lower Upper
114 100
63 24.4 19.6 29.4
88 17.9 14.2 21.4





#39

1,2-Dichloropropane

Concen: 7.388 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.44 min

Lab File: VL037743.D

Acq: 1 Oct 2021 16:02

Instrument :

MSVOA_L

ClientSampleId :

C0P23DL

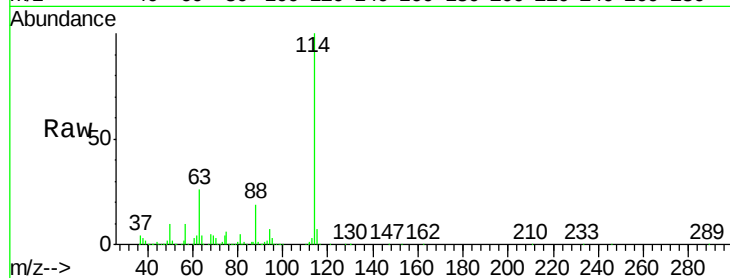
Tgt Ion: 63 Resp: 1005633

Ion Ratio Lower Upper

63 100

41 0.0 51.6 77.4#

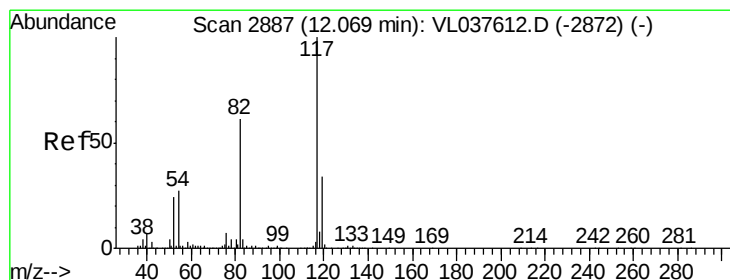
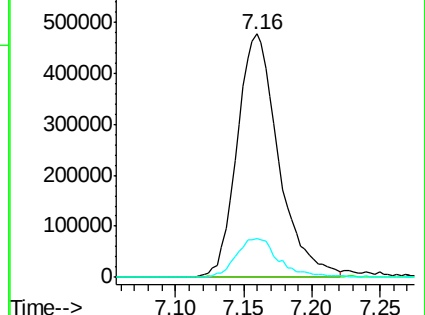
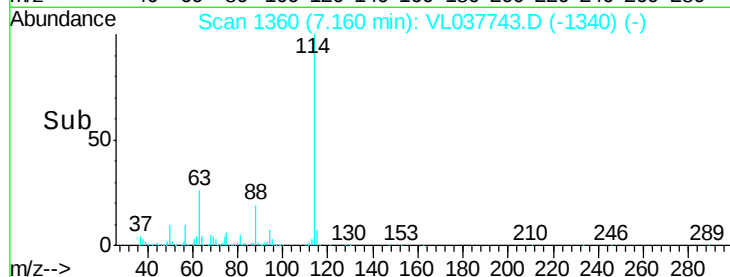
62 15.7 54.6 81.8#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.01 min

Lab File: VL037743.D

Acq: 1 Oct 2021 16:02

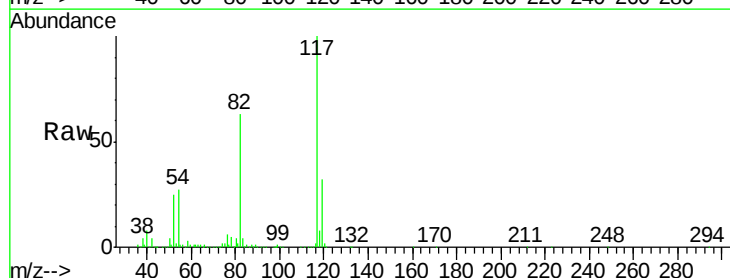
Tgt Ion: 117 Resp: 3541374

Ion Ratio Lower Upper

117 100

82 67.1 50.6 75.8

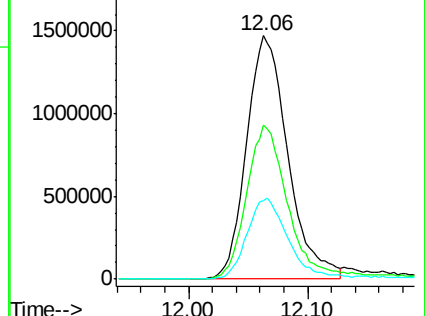
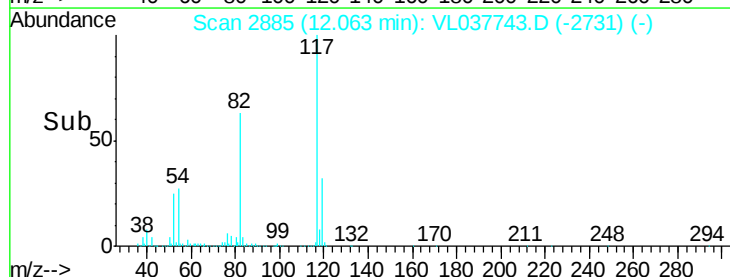
119 34.9 26.2 39.2

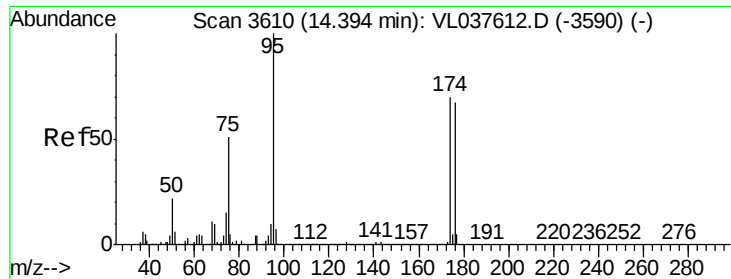


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.784 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037743.D

Acq: 1 Oct 2021 16:02

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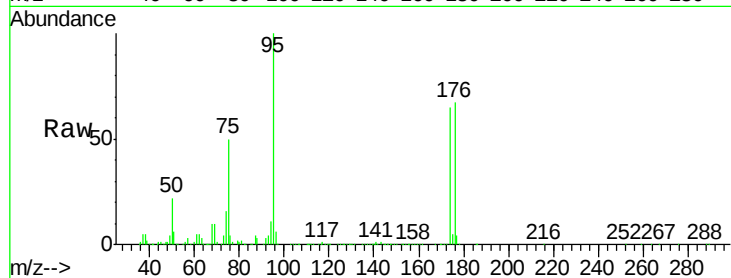
Tgt Ion: 95 Resp: 2504190

Ion Ratio Lower Upper

95 100

174 74.9 56.3 84.5

175 5.0 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

