

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL080421\
 Data File : VL037333.D
 Acq On : 5 Aug 2021 7:57
 Operator : SY/AP
 Sample : M3211-05DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-5DL

Quant Time: Aug 05 08:39:45 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL080421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Aug 04 22:53:01 2021
 QLast Update : Wed Aug 04 22:53:01 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1057820	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3421724	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2807706	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	2124627	11.08	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	110.80%

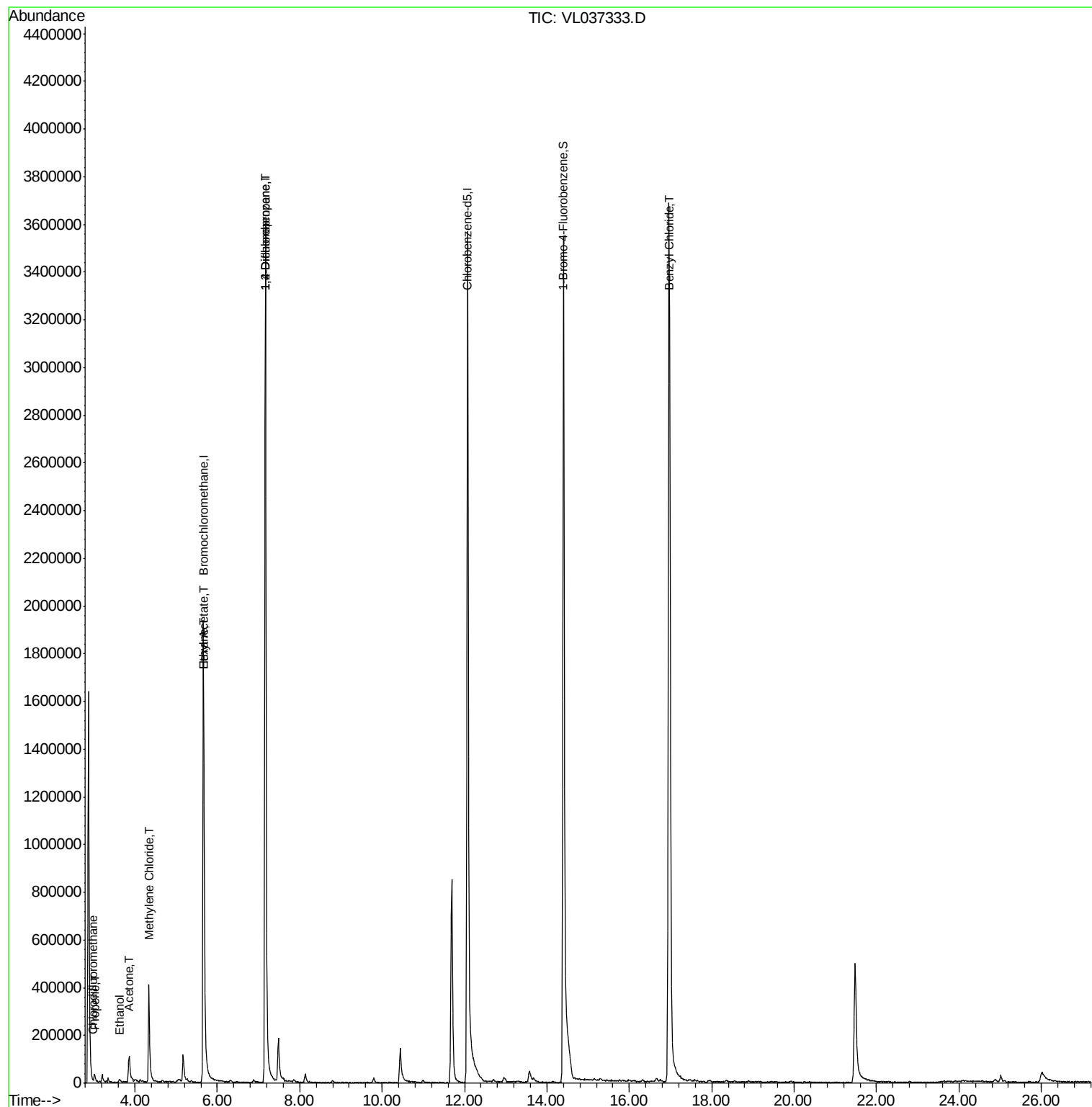
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	2.98	51	7006	0.033	ppbv	93
9) Propene	3.02	41	9637	0.124	ppbv	95
13) Ethanol	3.61	45	4698	0.401	ppbv #	34
15) Acetone	3.85	43	167922	1.461	ppbv #	77
20) Methylene Chloride	4.34	84	186888	1.965	ppbv	96
25) Ethyl Acetate	5.68	43	72908	0.244	ppbv #	84
26) Hexane	5.68	57	93051	0.557	ppbv #	51
39) 1,2-Dichloropropane	7.16	63	747900	6.522	ppbv #	29
66) Benzyl Chloride	16.98	91	572	0.035	ppbv #	60

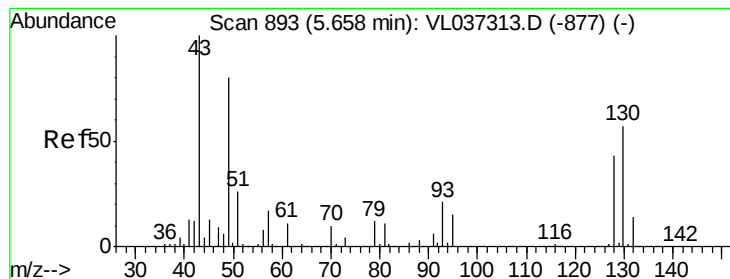
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL080421AIR.M
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QLast Update : Wed Aug 04 22:53:01 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. 0.00 min

Lab File: VL037333.D

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Instrument :

MSVOA_L

ClientSampleId :

SVP-5DL

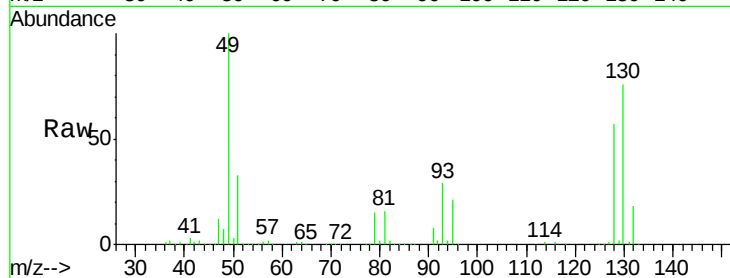
Tgt Ion: 49 Resp: 1057820

Ion Ratio Lower Upper

49 100

128 60.4 29.8 89.5

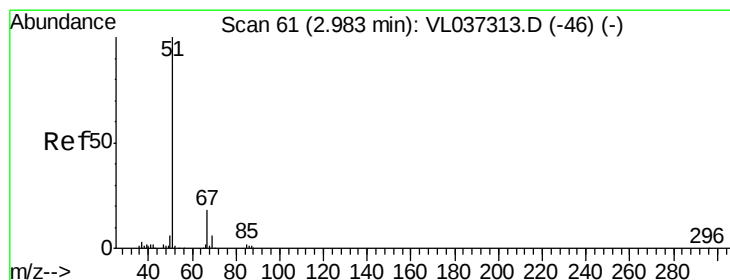
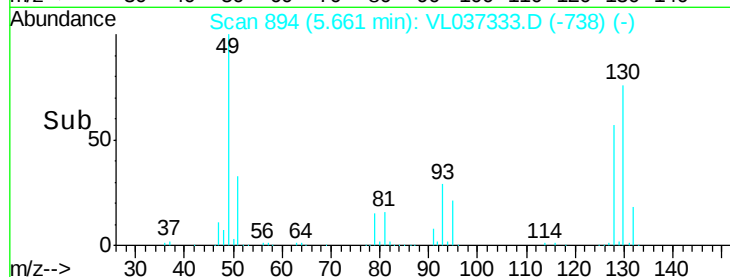
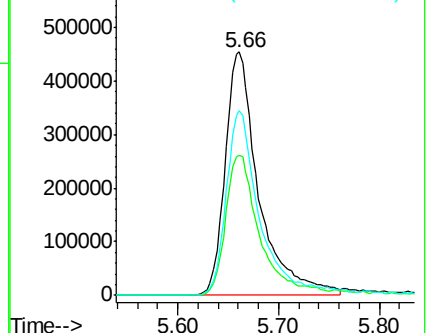
130 78.3 37.5 112.7



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



#3

Chlorodifluoromethane

Concen: 0.033 ppbv

RT: 2.98 min Scan# 61

Delta R.T. -0.00 min

Lab File: VL037333.D

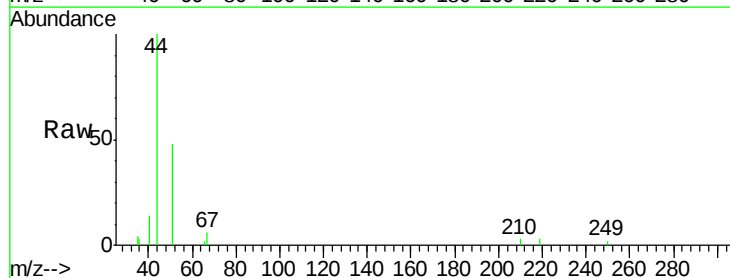
Acq: 5 Aug 2021 7:57

Tgt Ion: 51 Resp: 7006

Ion Ratio Lower Upper

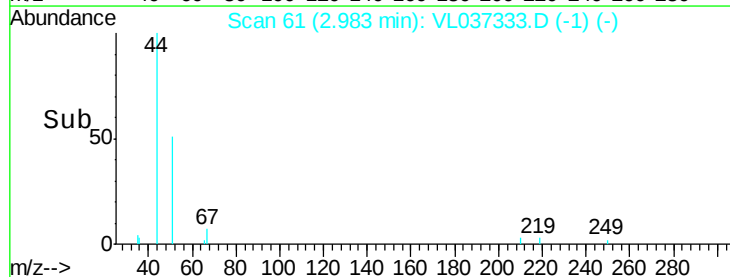
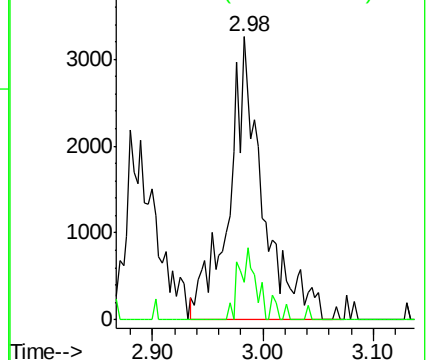
51 100

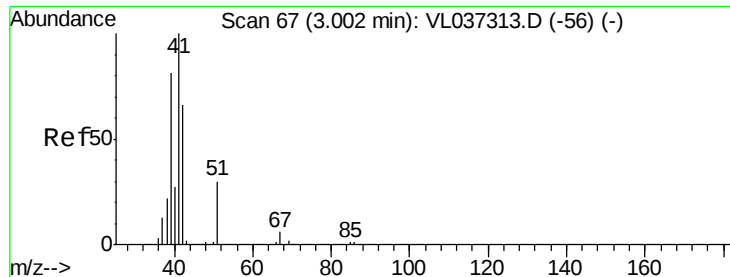
67 14.5 14.2 21.2



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.124 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Instrument :

MSVOA_L

ClientSampleId :

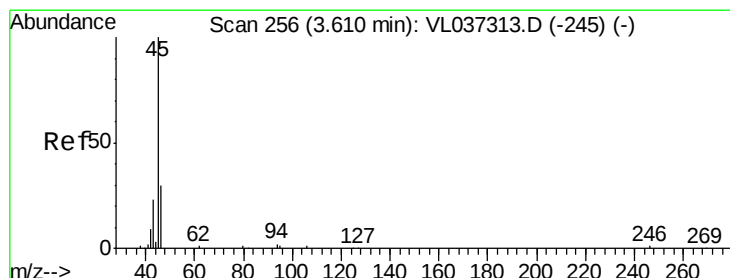
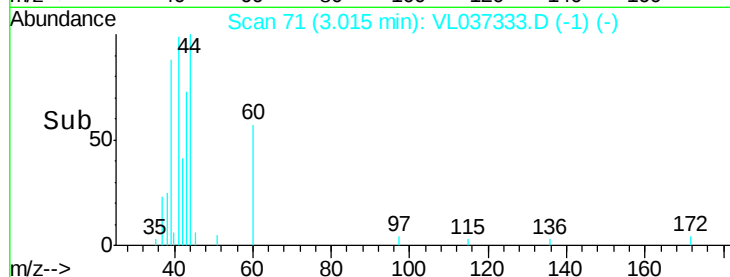
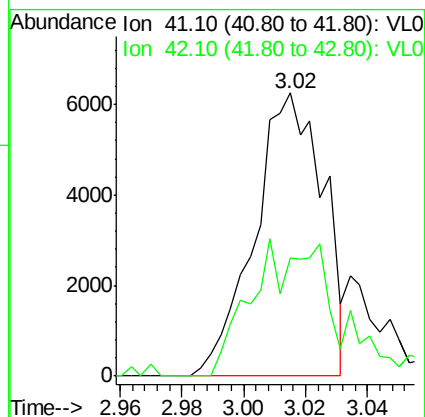
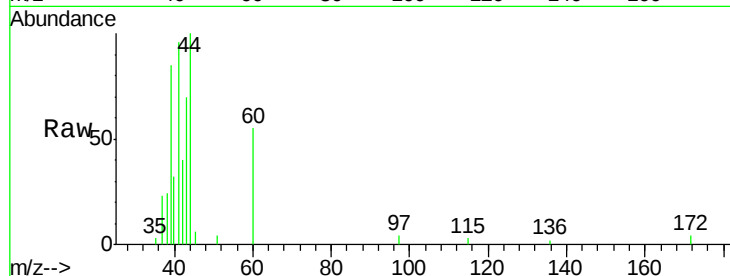
SVP-5DL

Tgt Ion: 41 Resp: 9637

Ion Ratio Lower Upper

41 100

42 63.6 53.8 80.8



#13

Ethanol

Concen: 0.401 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL037333.D

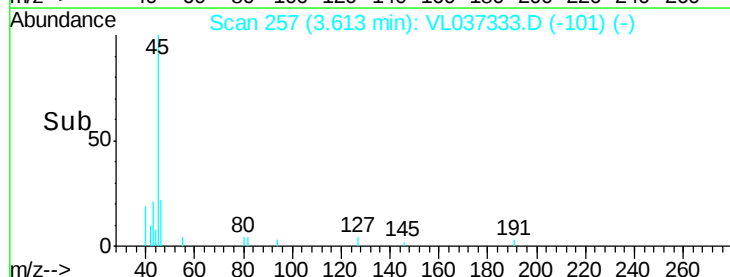
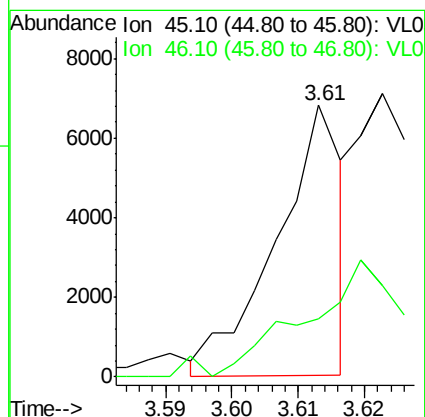
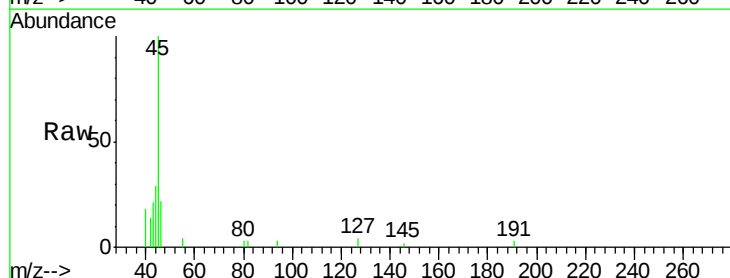
Acq: 5 Aug 2021 7:57

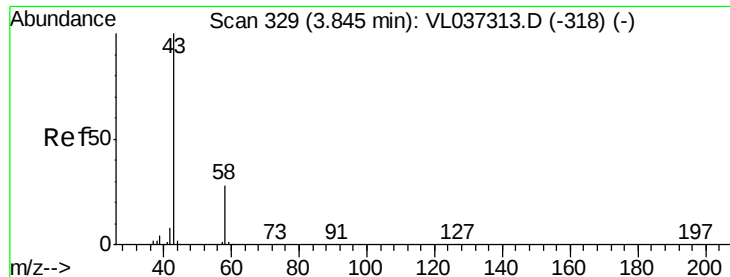
Tgt Ion: 45 Resp: 4698

Ion Ratio Lower Upper

45 100

46 0.0 16.6 66.4#





#15

Acetone

Concen: 1.461 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.01 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Instrument :

MSVOA_L

ClientSampleId :

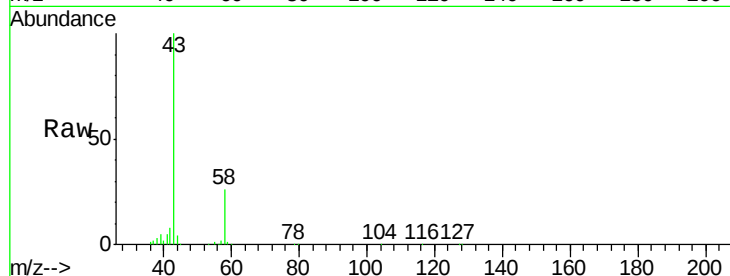
SVP-5DL

Tgt Ion: 43 Resp: 167922

Ion Ratio Lower Upper

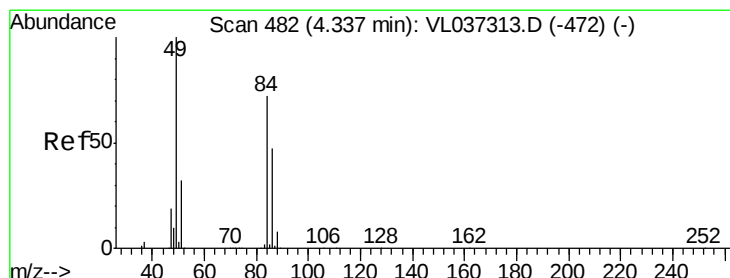
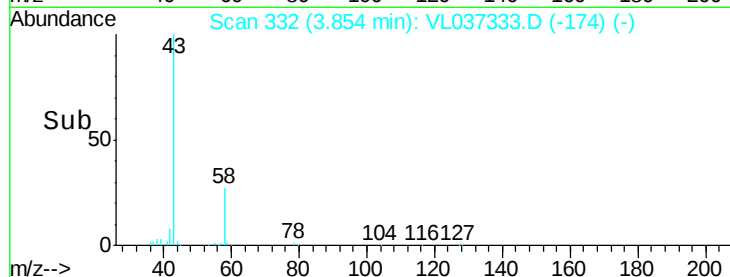
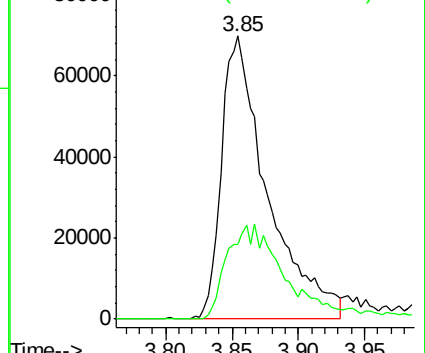
43 100

58 44.5 25.3 37.9#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 1.965 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.00 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Tgt Ion: 84 Resp: 186888

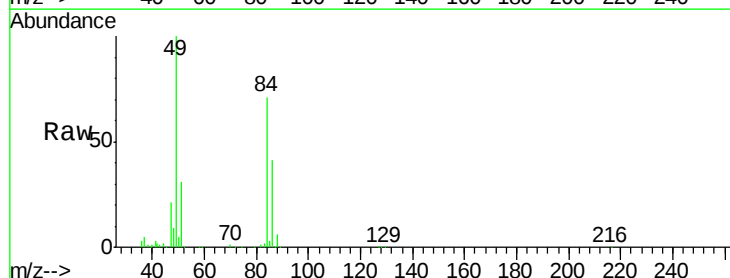
Ion Ratio Lower Upper

84 100

49 141.1 110.4 165.6

51 43.2 35.8 53.6

86 57.6 51.8 77.8

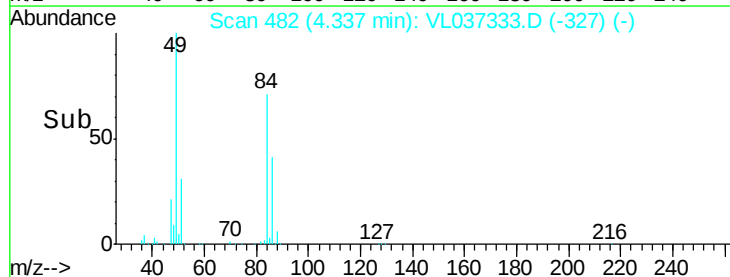
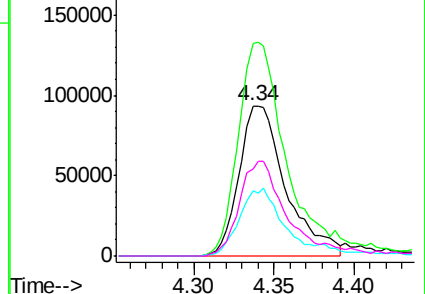


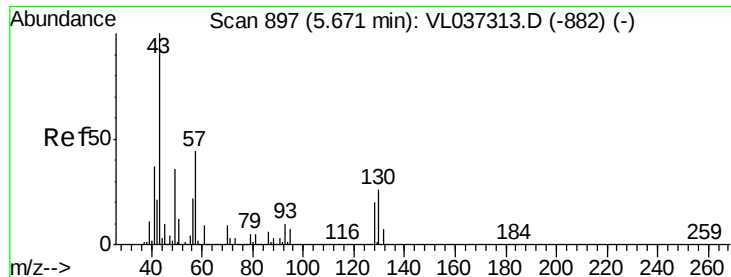
Abundance Ion 84.00 (83.70 to 84.70): VL0

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

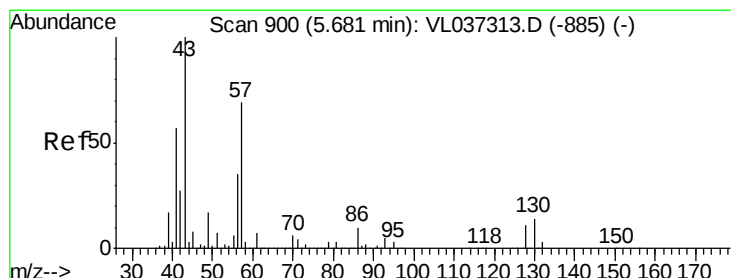
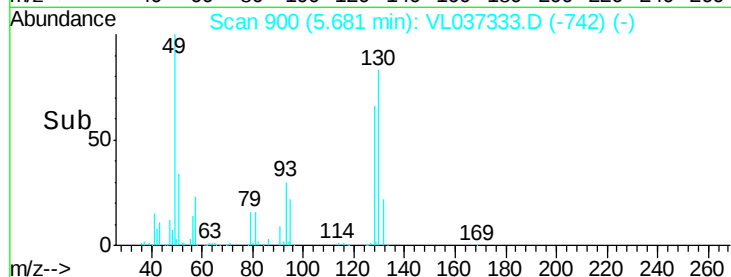
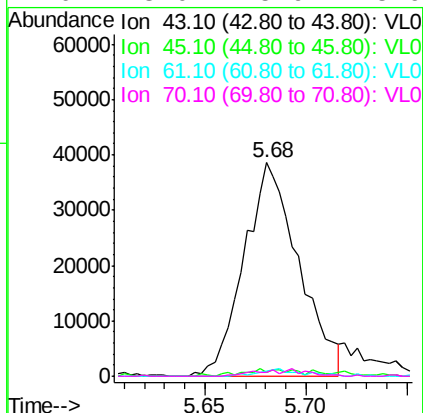
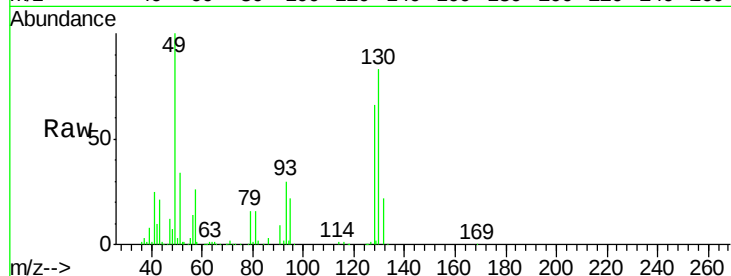




#25
Ethyl Acetate
Concen: 0.244 ppbv
RT: 5.68 min Scan# 900
Delta R.T. 0.01 min
Lab File: VL037333.D
Acq: 5 Aug 2021 7:57

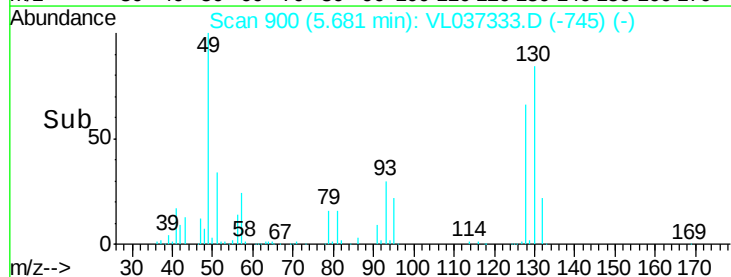
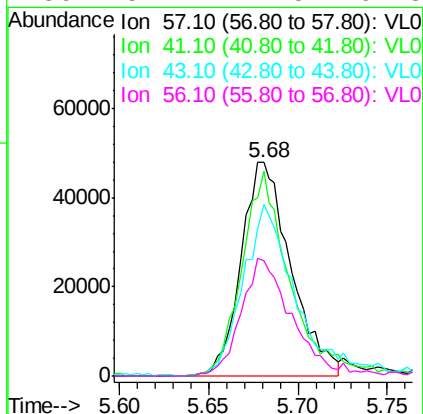
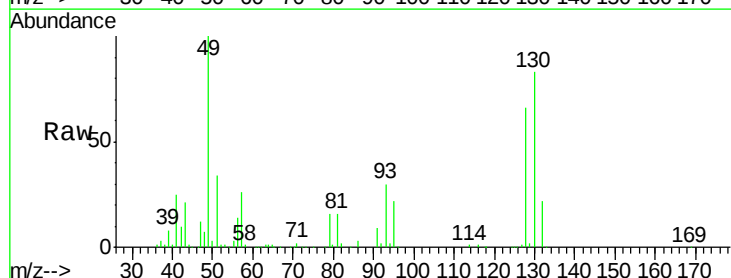
Instrument :
MSVOA_L
ClientSampleId :
SVP-5DL

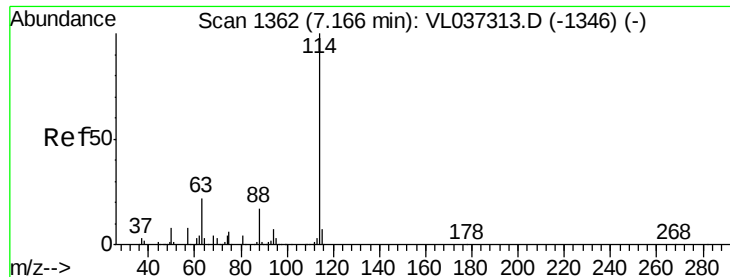
Tgt Ion:	43	Resp:	72908
Ion	Ratio	Lower	Upper
43	100		
45	4.9	7.8	11.8#
61	2.8	8.6	12.8#
70	3.0	5.9	8.9#



#26
Hexane
Concen: 0.557 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.00 min
Lab File: VL037333.D
Acq: 5 Aug 2021 7:57

Tgt Ion:	57	Resp:	93051
Ion	Ratio	Lower	Upper
57	100		
41	94.1	67.5	101.3
43	88.6	163.0	244.4#
56	57.7	41.5	62.3

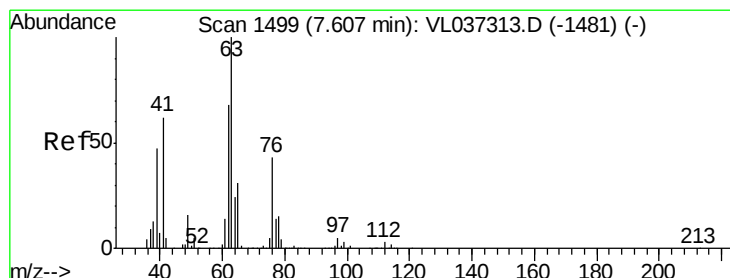
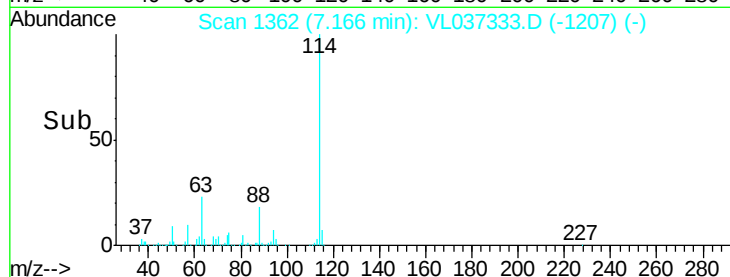
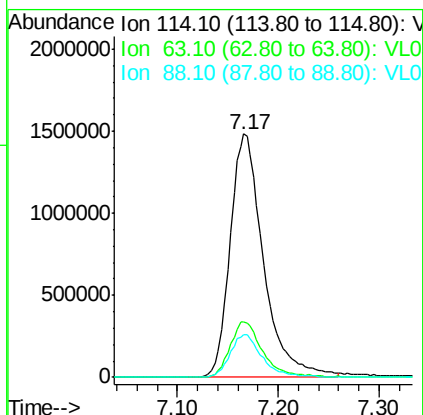
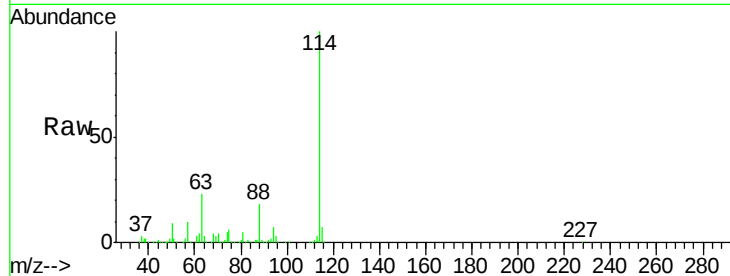




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.00 min
 Lab File: VL037333.D
 Acq: 5 Aug 2021 7:57

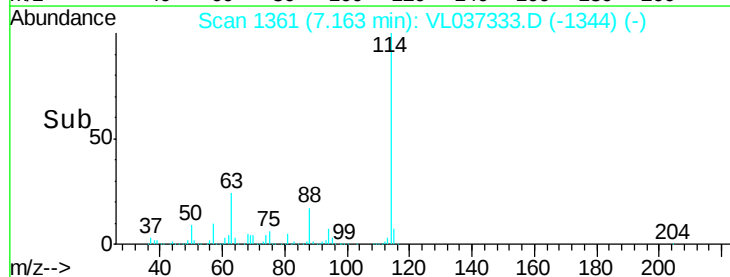
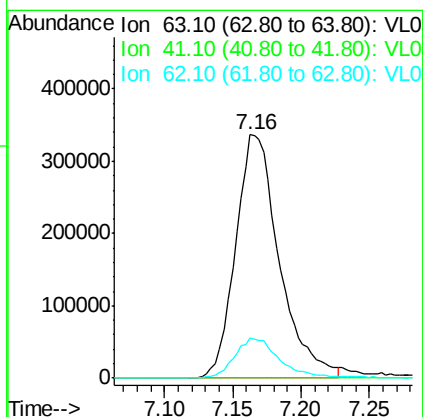
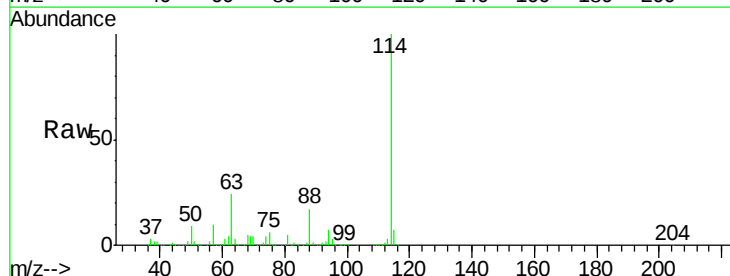
Instrument :
 MSVOA_L
 ClientSampleId :
 SVP-5DL

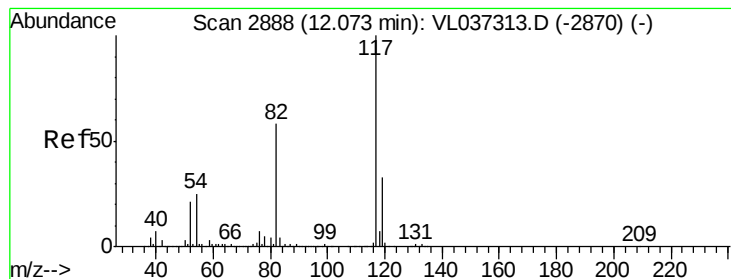
Tgt Ion: 114 Resp: 3421724
 Ion Ratio Lower Upper
 114 100
 63 22.8 18.1 27.1
 88 17.3 13.8 20.8



#39
 1,2-Dichloropropane
 Concen: 6.522 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.44 min
 Lab File: VL037333.D
 Acq: 5 Aug 2021 7:57

Tgt Ion: 63 Resp: 747900
 Ion Ratio Lower Upper
 63 100
 41 0.1 49.2 73.8#
 62 16.7 54.2 81.4#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.08 min Scan# 2889

Delta R.T. 0.00 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Instrument :

MSVOA_L

ClientSampleId :

SVP-5DL

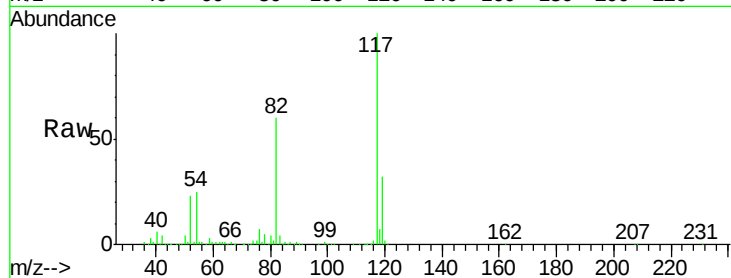
Tgt Ion:117 Resp: 2807706

Ion Ratio Lower Upper

117 100

82 67.7 50.3 75.5

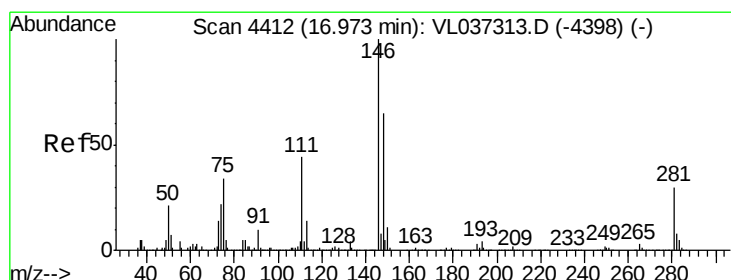
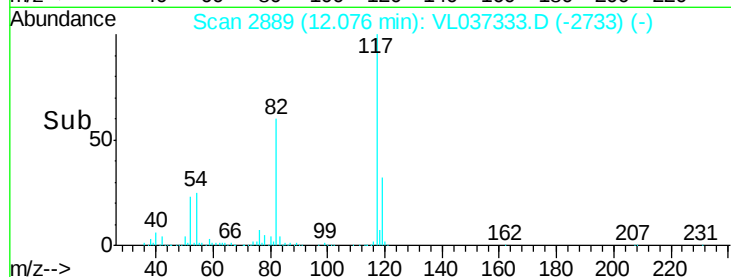
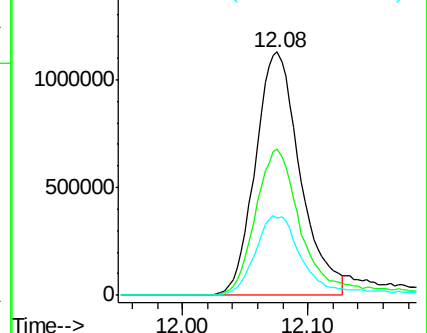
119 37.1 48.2 72.2#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V



#66

Benzyl Chloride

Concen: 0.035 ppbv

RT: 16.98 min Scan# 4413

Delta R.T. 0.00 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

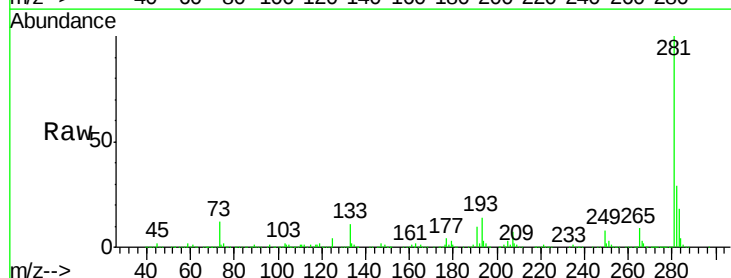
Tgt Ion: 91 Resp: 572

Ion Ratio Lower Upper

91 100

126 0.0 17.8 26.6#

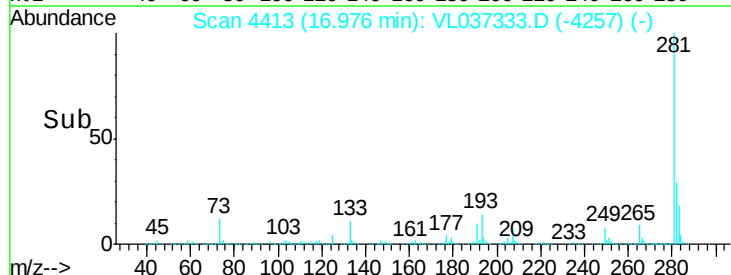
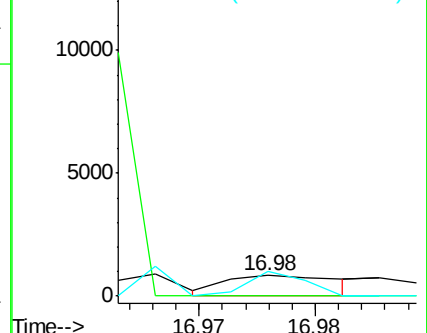
128 0.0 5.8 8.6#

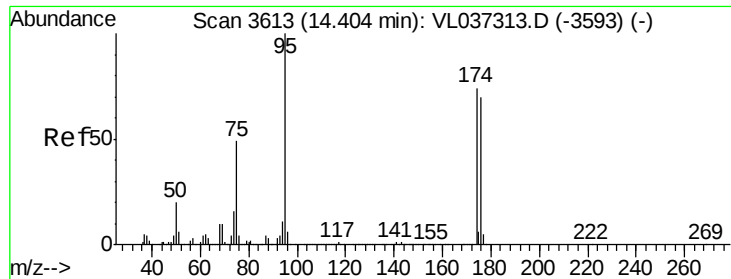


Abundance Ion 91.10 (90.80 to 91.80): V

Ion 126.10 (125.80 to 126.80): V

Ion 128.10 (127.80 to 128.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 11.078 ppbv

RT: 14.40 min Scan# 3612

Delta R.T. -0.00 min

Lab File: VL037333.D

Acq: 5 Aug 2021 7:57

Instrument :

MSVOA_L

ClientSampleId :

SVP-5DL

Tgt Ion: 95 Resp: 2124627

Ion Ratio Lower Upper

95 100

174 78.7 66.9 100.3

175 5.4 5.1 7.7

