

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038083.D
 Acq On : 19 Nov 2021 13:47
 Operator : SY/AP
 Sample : M4704-01DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 15-JOHNDL2

Quant Time: Nov 22 06:35:44 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	846878	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2384376	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1954731	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1564626	11.10	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.00%

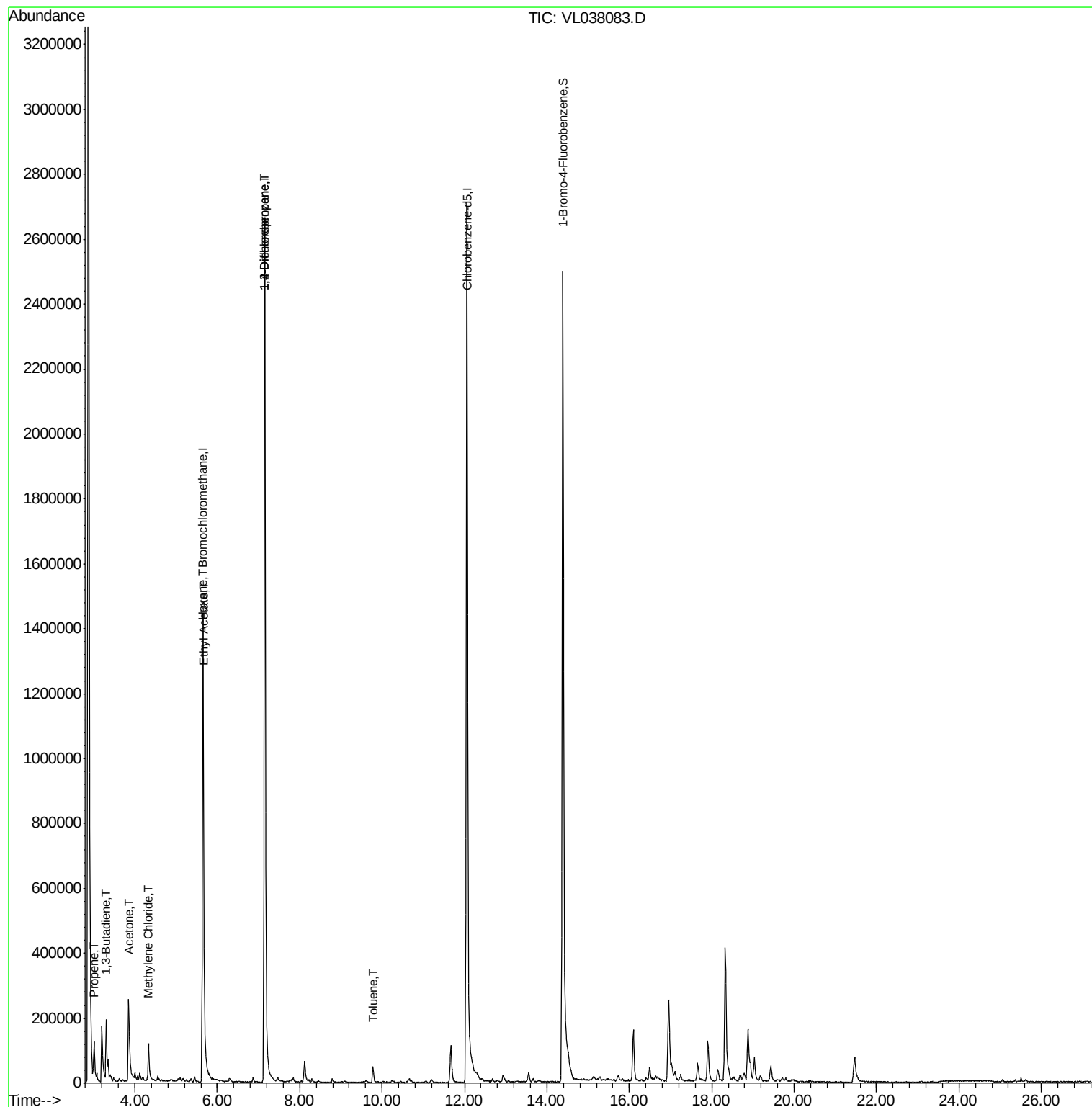
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	59819	0.913	ppbv	98
15) Acetone	3.84	43	402500	5.482	ppbv	99
16) 1,3-Butadiene	3.30	39	61656	1.076	ppbv #	22
20) Methylene Chloride	4.33	84	42676	1.038	ppbv	91
25) Ethyl Acetate	5.67	43	24903	0.102	ppbv #	77
26) Hexane	5.66	57	16810	0.143	ppbv #	1
39) 1,2-Dichloropropane	7.15	63	589935	6.466	ppbv #	26
53) Toluene	9.78	91	19940	0.073	ppbv #	19

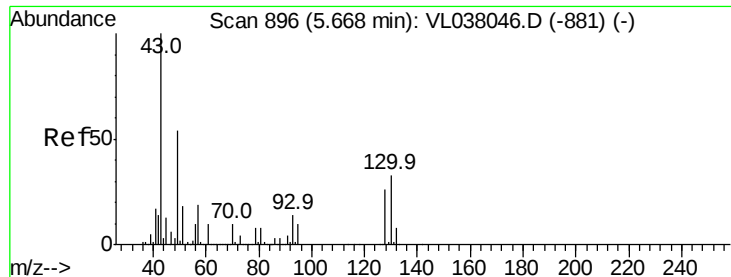
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. -0.01 min

Lab File: ClientSampleId: 15-JOHNDL2

Acq: 19 Nov 2021 13:47

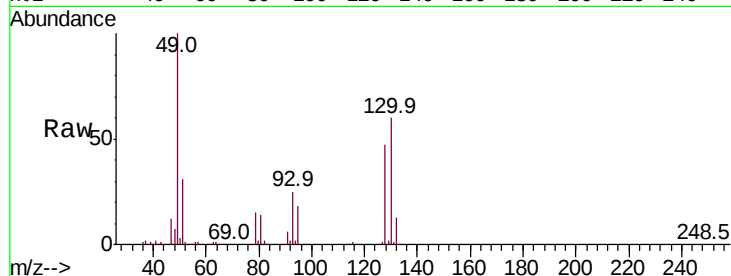
Tot Ion: 49 Resp: 846878

Ion Ratio Lower Upper

49 100

128 49.0 26.5 79.5

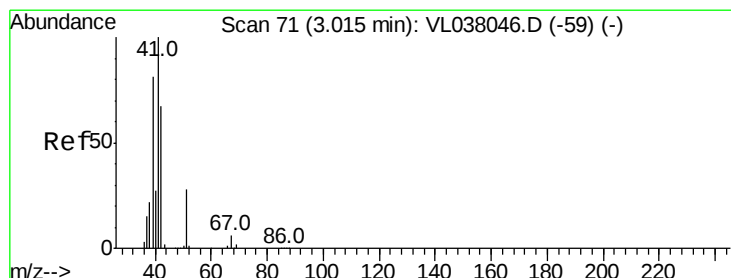
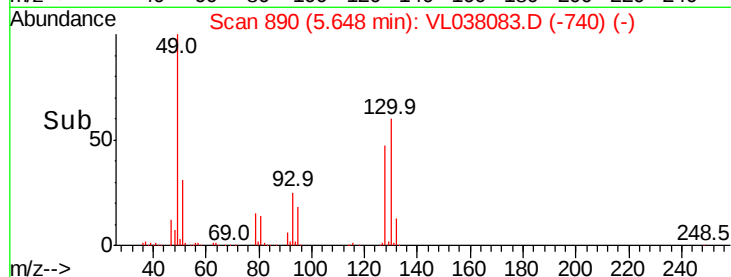
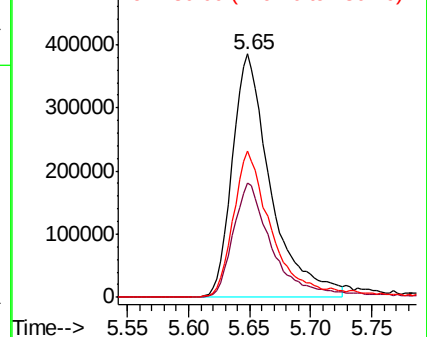
130 62.2 32.5 97.4



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



#9

Propene

Concen: 0.913 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL038083.D

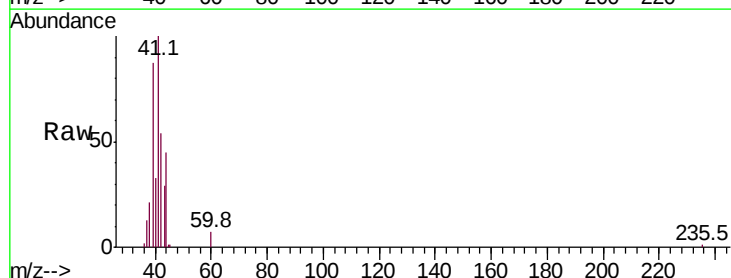
Acq: 19 Nov 2021 13:47

Tgt Ion: 41 Resp: 59819

Ion Ratio Lower Upper

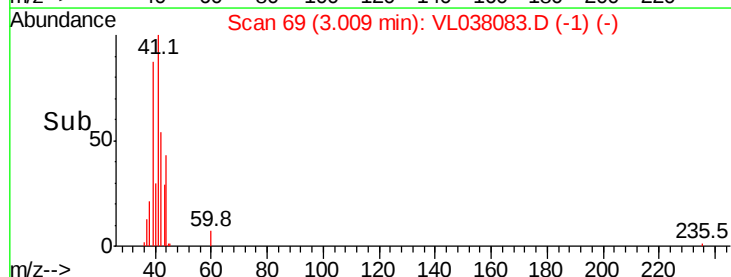
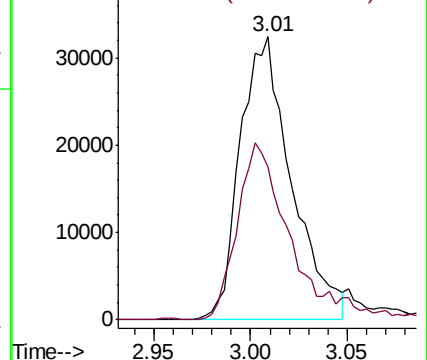
41 100

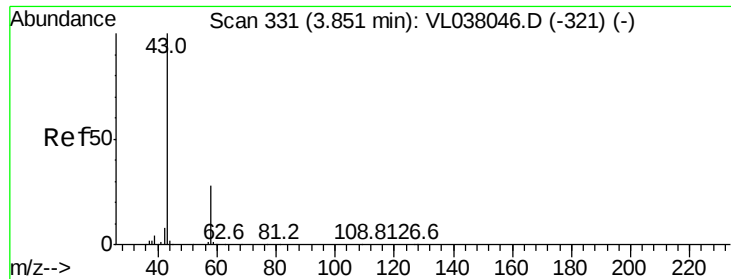
42 65.7 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

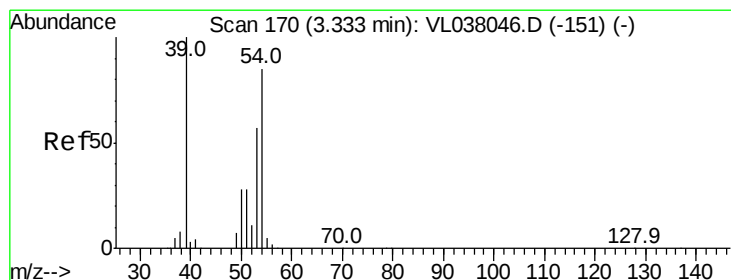
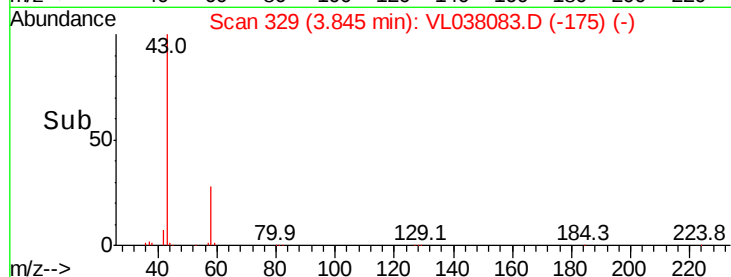
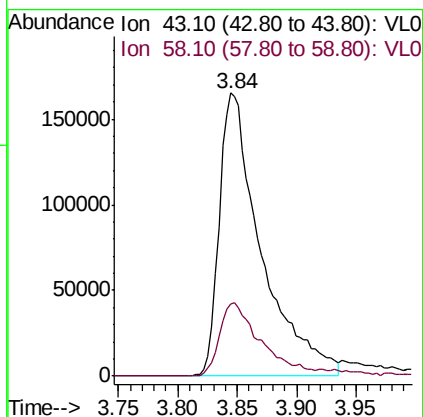
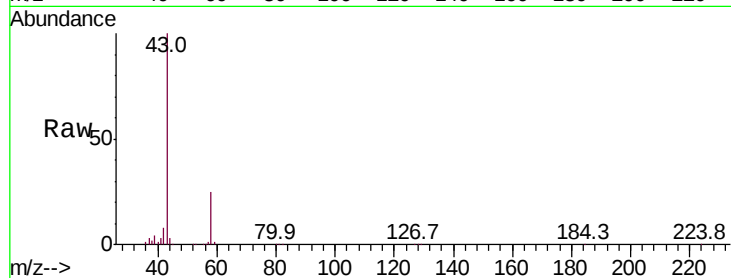
Ion 42.10 (41.80 to 42.80): VL0





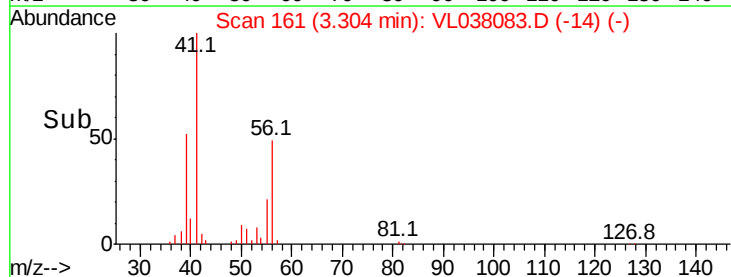
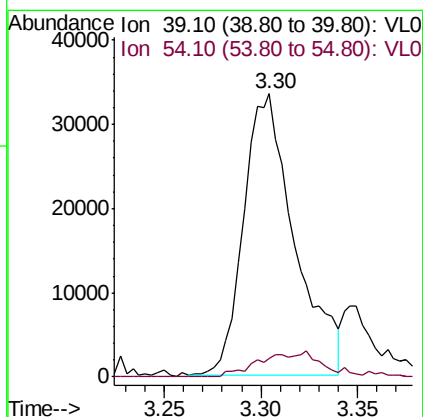
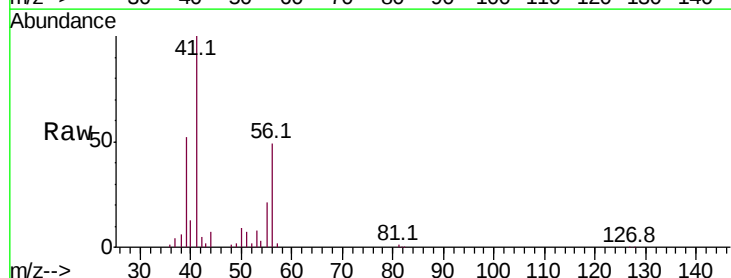
#15
Acetone
Concen: 5.482 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 13:47

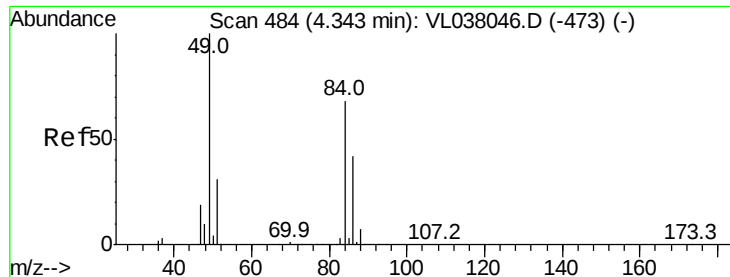
Tot Ion: 43 Resp: 402500
Ion Ratio Lower Upper
43 100
58 28.7 22.4 33.6



#16
1,3-Butadiene
Concen: 1.076 ppbv
RT: 3.30 min Scan# 161
Delta R.T. -0.03 min
Lab File: VL038083.D
Acq: 19 Nov 2021 13:47

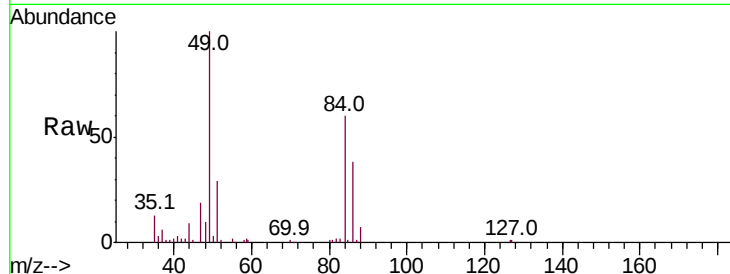
Tgt Ion: 39 Resp: 61656
Ion Ratio Lower Upper
39 100
54 11.7 64.4 96.6#



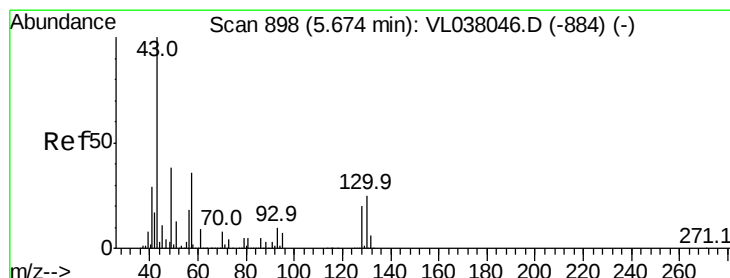
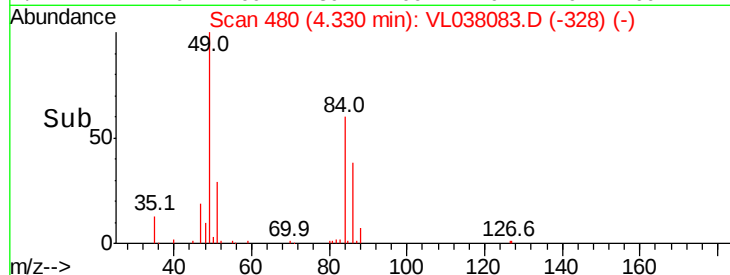
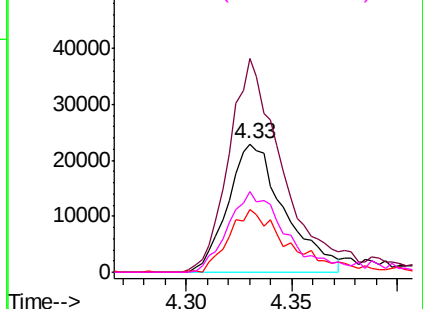


#20
Methvlene Chloride
Concen: 1.038 ppbv
RT: 4.33
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 19 Nov 2021 13:47

Tot Ion:	84	Resp:	42676
Ion	Ratio	Lower	Upper
84	100		
49	164.2	118.2	177.2
51	47.6	36.8	55.2
86	63.2	49.0	73.6

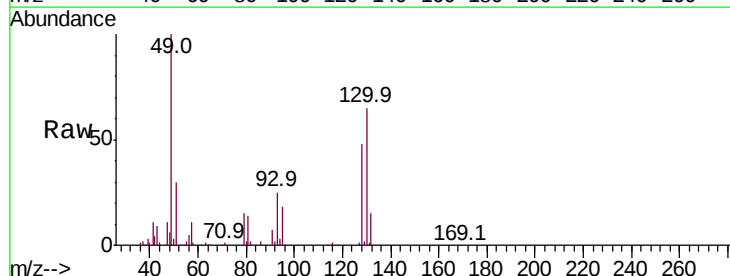


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

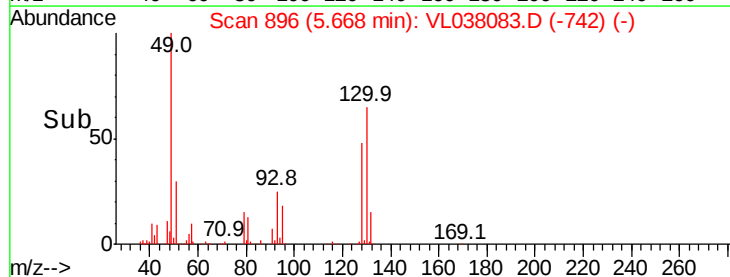
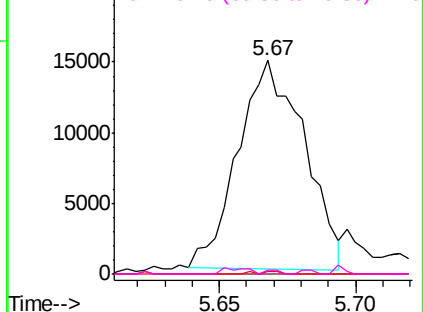


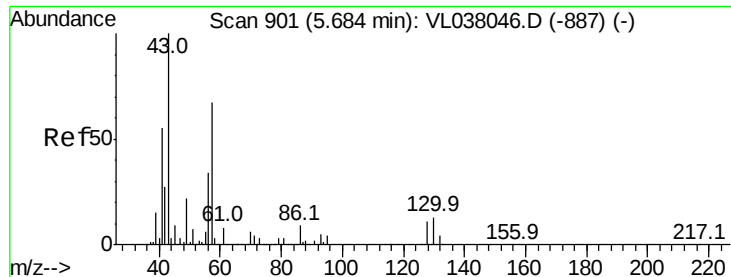
#25
Ethyl Acetate
Concen: 0.102 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.01 min
Lab File: VL038083.D
Acq: 19 Nov 2021 13:47

Tgt Ion:	43	Resp:	24903
Ion	Ratio	Lower	Upper
43	100		
45	0.6	7.9	11.9#
61	0.4	7.8	11.6#
70	2.0	5.8	8.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0





#26

Hexane

Concen: 0.143 ppbv

RT: 5.66

Delta R.T.

Lab File:

Acq: 19 Nov 2021 13:47

Instrument:

MSVOA_1

ClientSampleId:

15-JOHNDL2

Tot Ion: 57 Resp: 16810

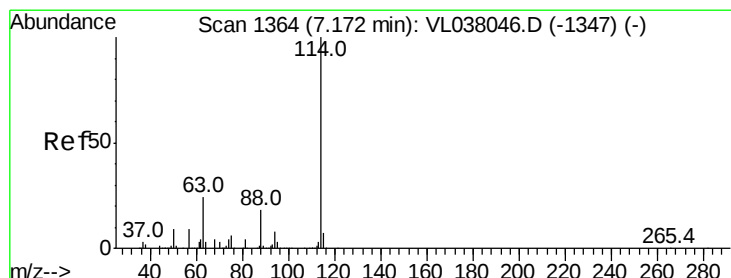
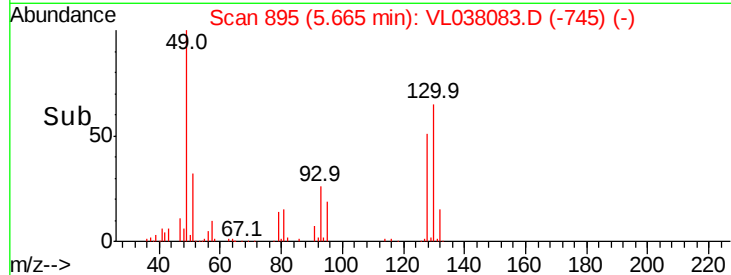
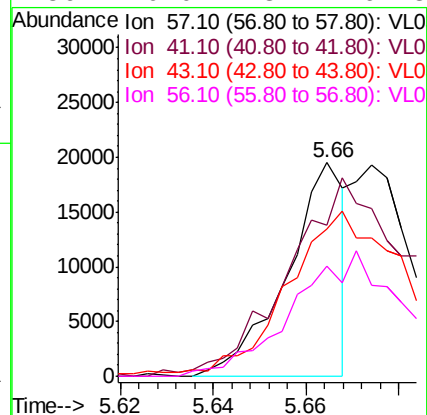
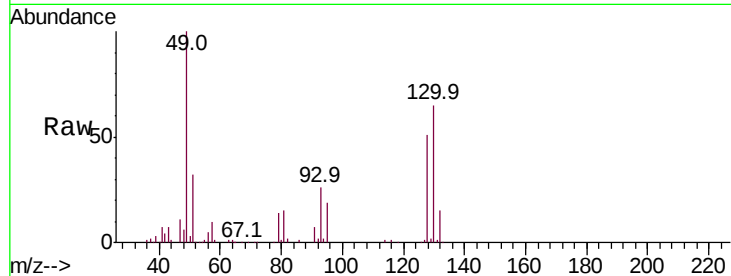
Ion Ratio Lower Upper

57 100

41 0.0 71.4 107.2#

43 0.0 174.6 261.8#

56 0.0 43.2 64.8#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.02 min

Lab File: VL038083.D

Acq: 19 Nov 2021 13:47

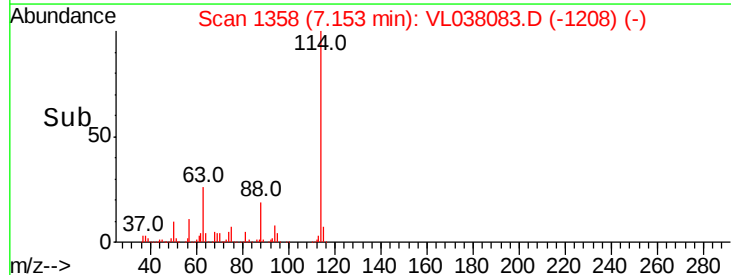
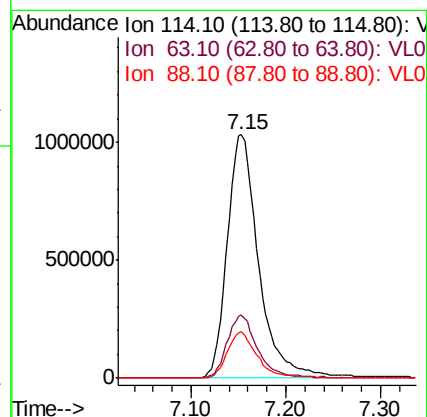
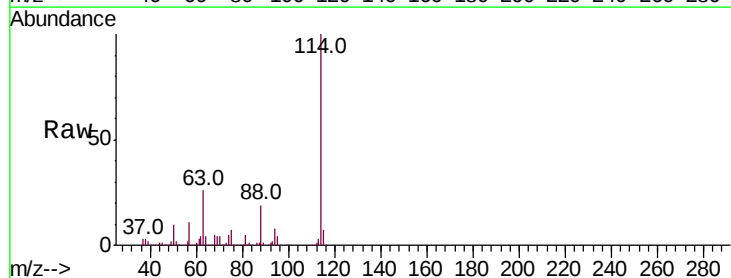
Tgt Ion:114 Resp: 2384376

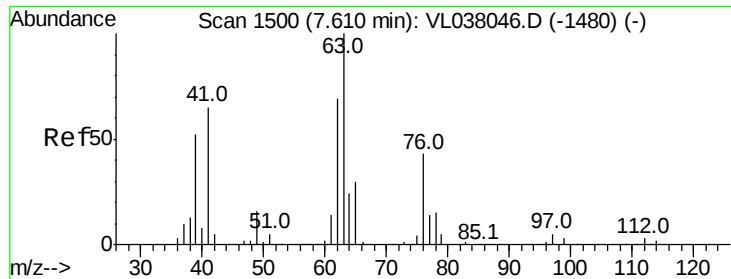
Ion Ratio Lower Upper

114 100

63 25.6 19.7 29.5

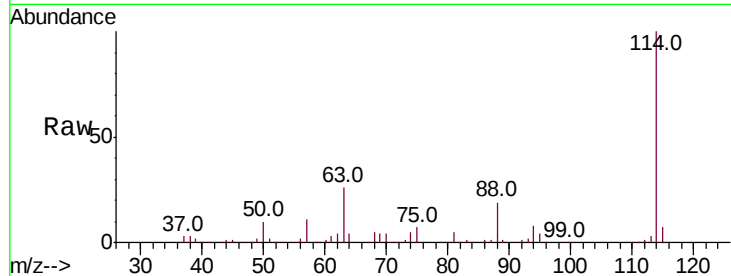
88 18.4 14.4 21.6



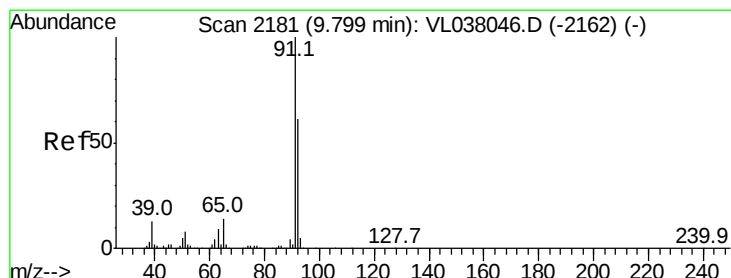
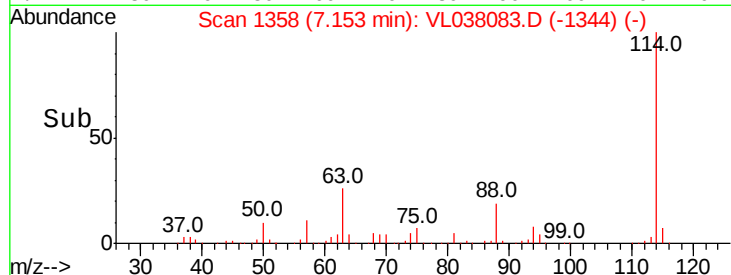
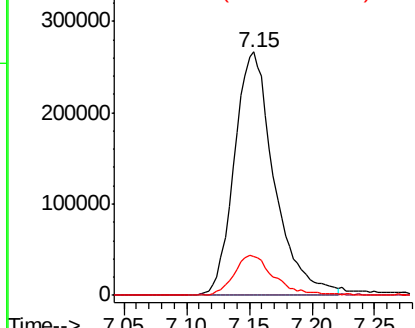


#39
 1,2-Dichloropropane
 Concen: 6.466 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 15-JOHNDL2
 Acq: 19 Nov 2021 13:47

Tot Ion: 63 Resp: 589935
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 16.0 55.1 82.7#

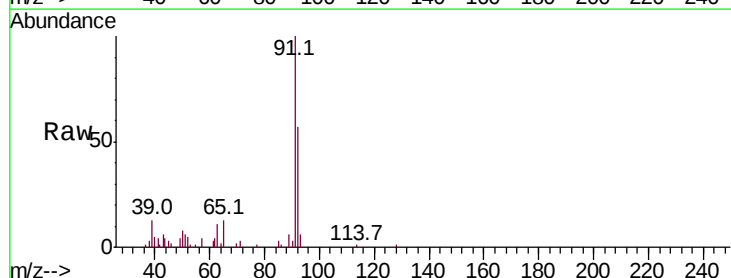


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

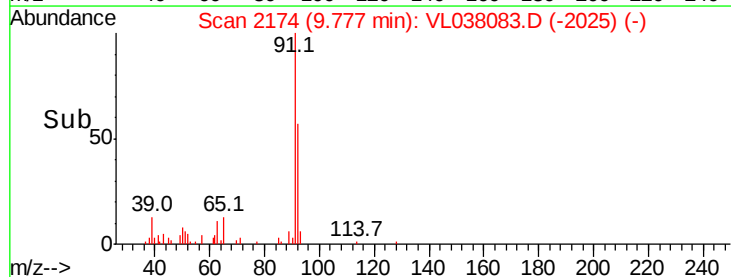
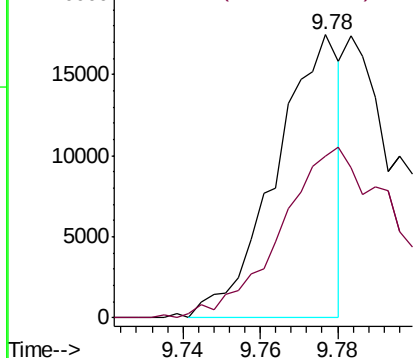


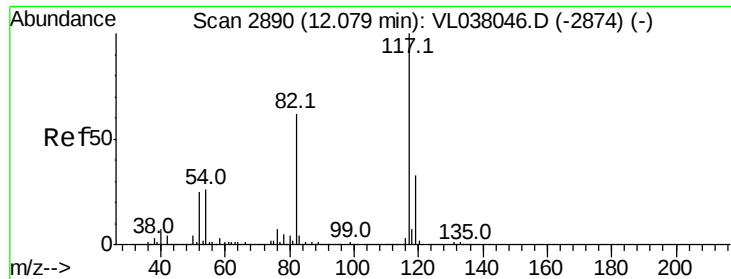
#53
 Toluene
 Concen: 0.073 ppbv
 RT: 9.78 min Scan# 2174
 Delta R.T. -0.02 min
 Lab File: VL038083.D
 Acq: 19 Nov 2021 13:47

Tgt Ion: 91 Resp: 19940
 Ion Ratio Lower Upper
 91 100
 92 0.0 49.7 74.5#



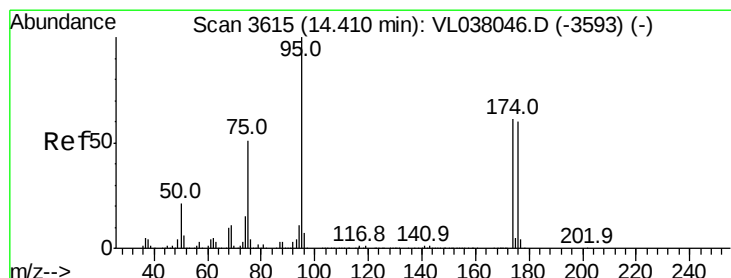
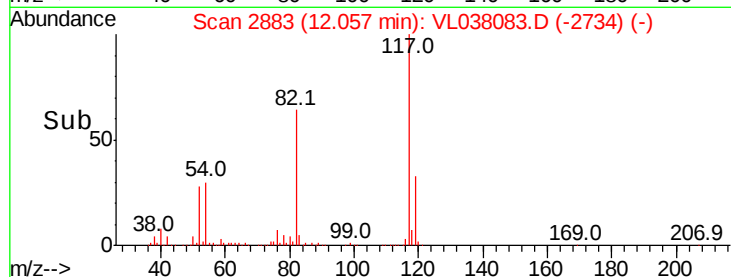
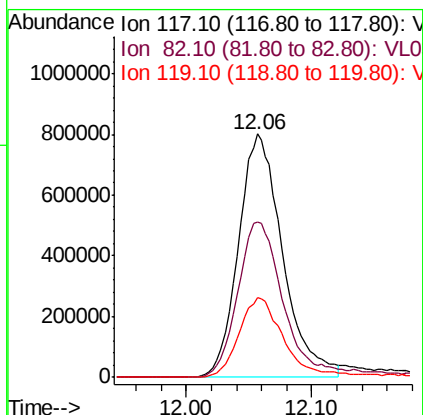
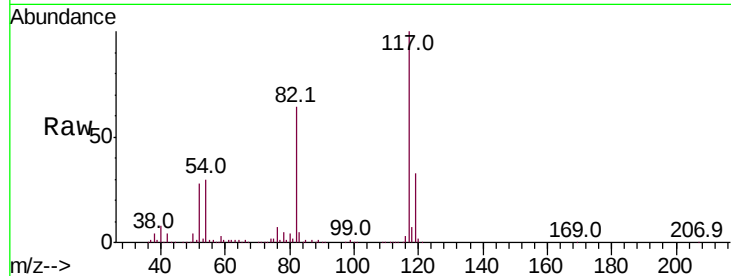
Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 15-JOHNDL2
 Acq: 19 Nov 2021 13:47

Tot Ion:117 Resp: 1954731
 Ion Ratio Lower Upper
 117 100
 82 72.2 52.8 79.2
 119 35.8 26.8 40.2



#68
 1-Bromo-4-Fluorobenzene
 Concen: 11.097 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T.: -0.02 min
 Lab File: VL038083.D
 Acq: 19 Nov 2021 13:47

Tgt Ion: 95 Resp: 1564626
 Ion Ratio Lower Upper
 95 100
 174 61.6 53.1 79.7
 175 4.0 4.0 6.0

