

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038087.D
 Acq On : 19 Nov 2021 16:17
 Operator : SY/AP
 Sample : M4704-04DUPDL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 TRANS-SHOPDL2DUP

Quant Time: Nov 22 06:36:05 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	844678	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2292911	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	1954042	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1453064	10.31	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.10%

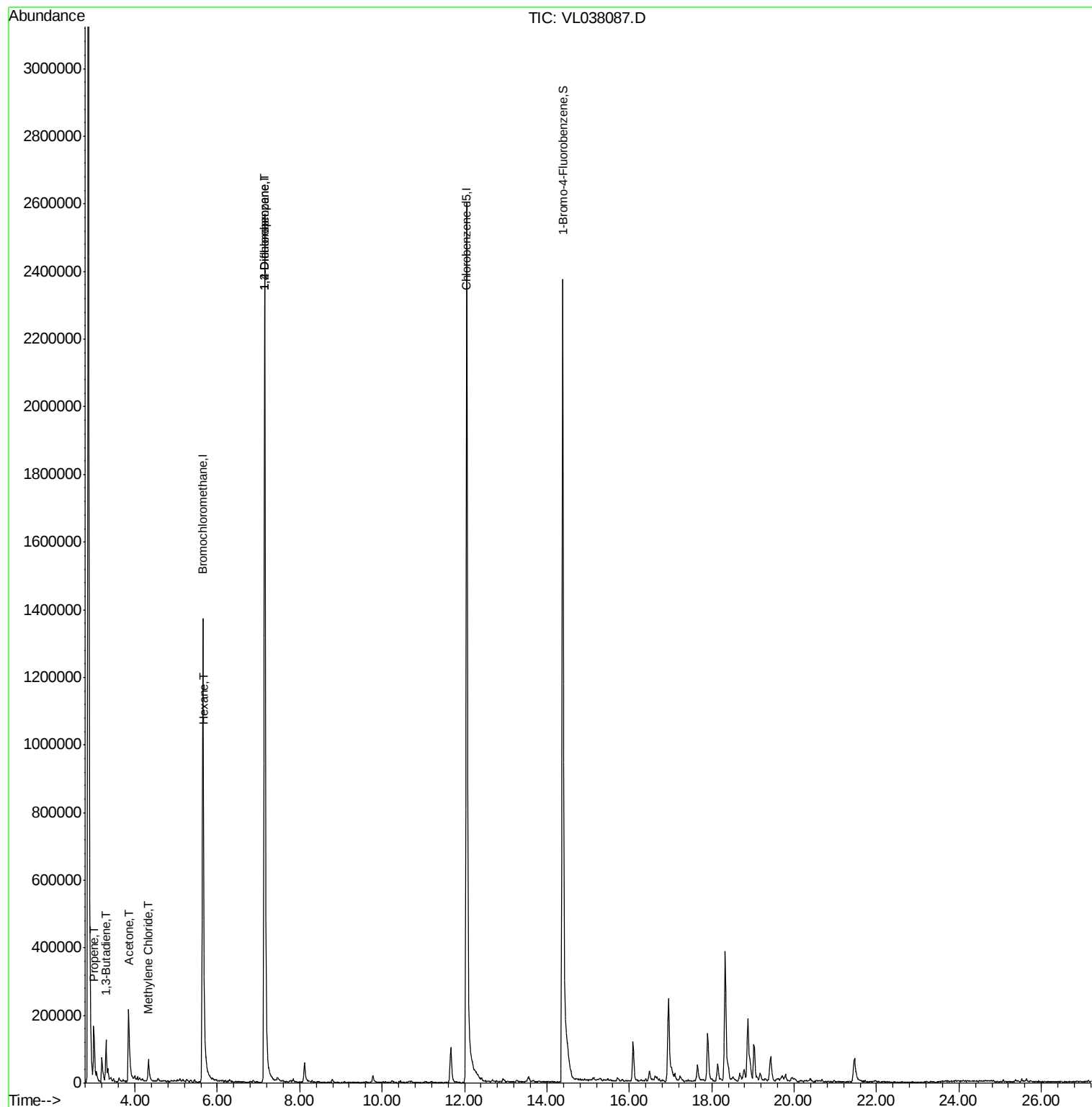
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	81007	1.240	ppbv	99
15) Acetone	3.84	43	333442	4.553	ppbv	99
16) 1,3-Butadiene	3.29	39	39169	0.686	ppbv #	23
20) Methylene Chloride	4.33	84	12059	0.294	ppbv	92
26) Hexane	5.67	57	18587	0.158	ppbv #	42
39) 1,2-Dichloropropane	7.15	63	570903	6.507	ppbv #	26

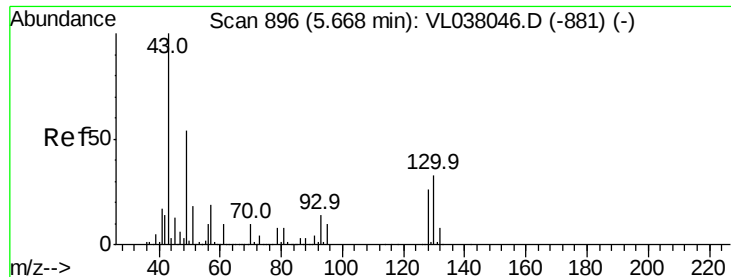
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: TRANS-SHOPDL2DUP

Acq: 19 Nov 2021 16:17

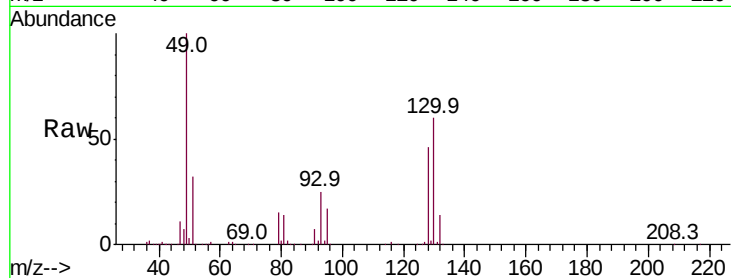
Tot Ion: 49 Resp: 844678

Ion Ratio Lower Upper

49 100

128 47.3 26.5 79.5

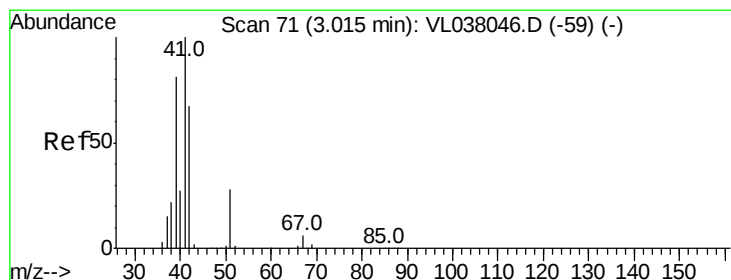
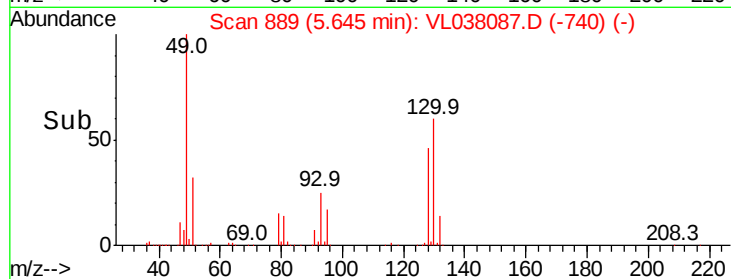
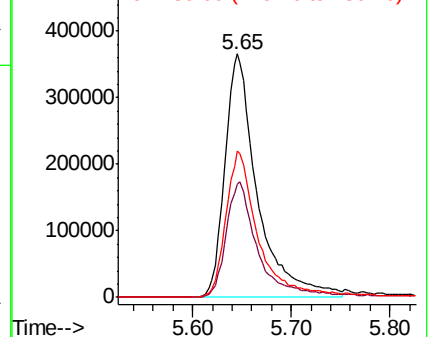
130 61.5 32.5 97.4



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: 1.240 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL038087.D

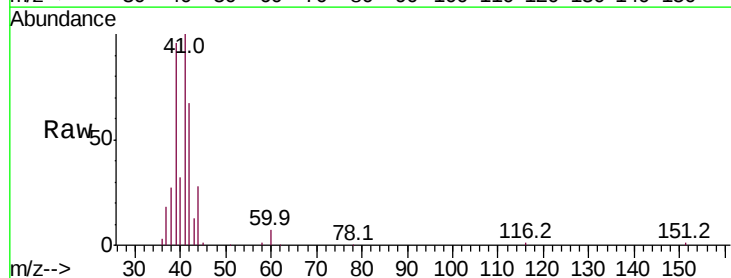
Acq: 19 Nov 2021 16:17

Tgt Ion: 41 Resp: 81007

Ion Ratio Lower Upper

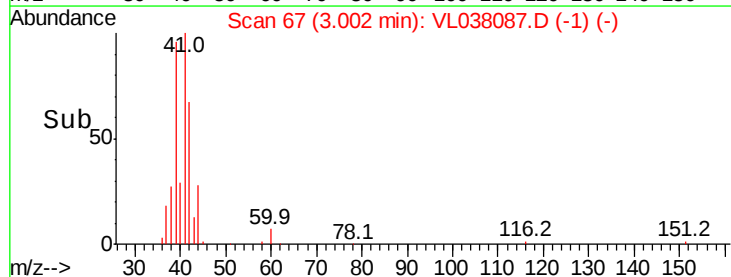
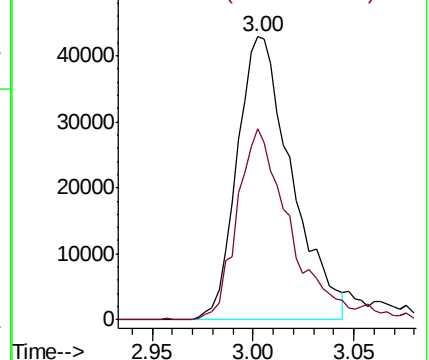
41 100

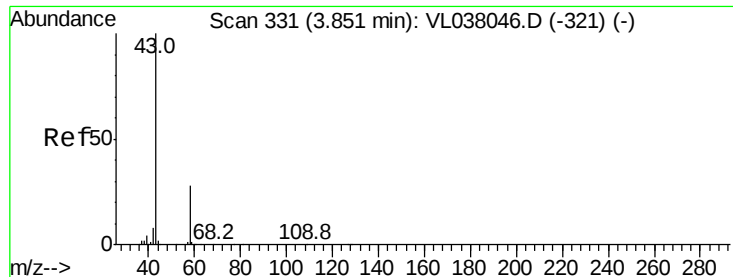
42 68.1 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#15

Acetone

Concen: 4.553 ppbv

RT: 3.84

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

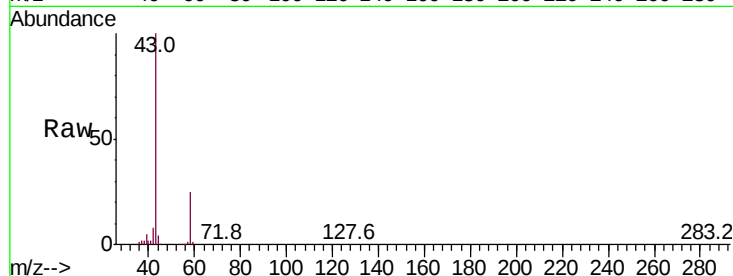
Acq: 19 Nov 2021 16:17

Tot Ion: 43 Resp: 333442

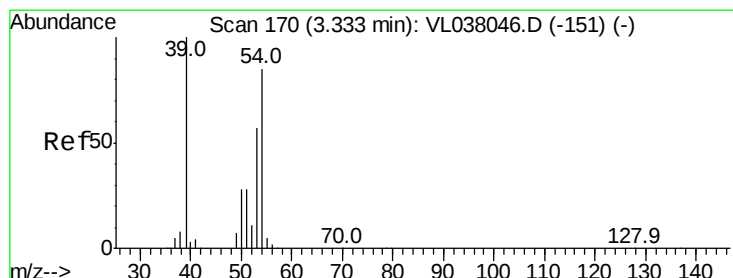
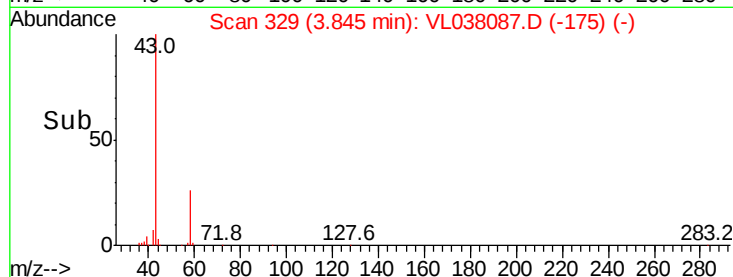
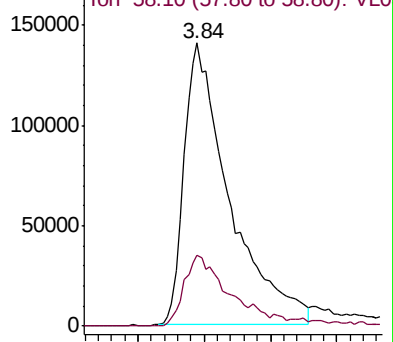
Ion Ratio Lower Upper

43 100

58 27.5 22.4 33.6



Abundance Ion 43.10 (42.80 to 43.80): VL0



#16

1,3-Butadiene

Concen: 0.686 ppbv

RT: 3.29 min Scan# 158

Delta R.T. -0.04 min

Lab File: VL038087.D

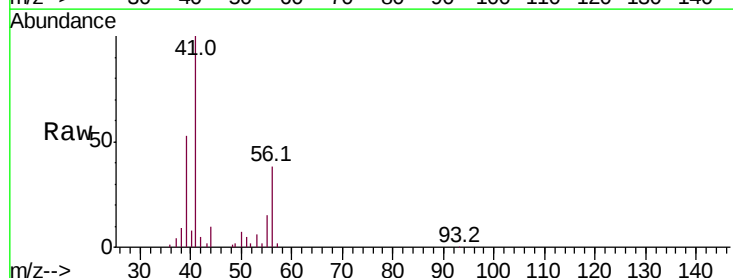
Acq: 19 Nov 2021 16:17

Tgt Ion: 39 Resp: 39169

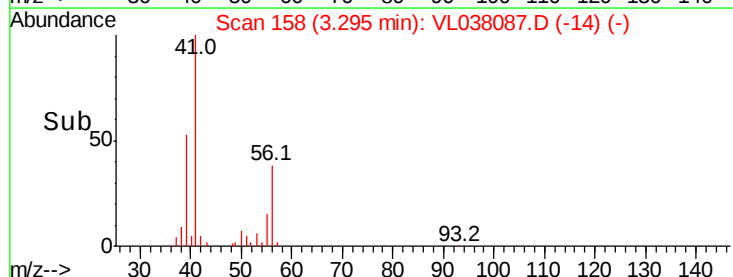
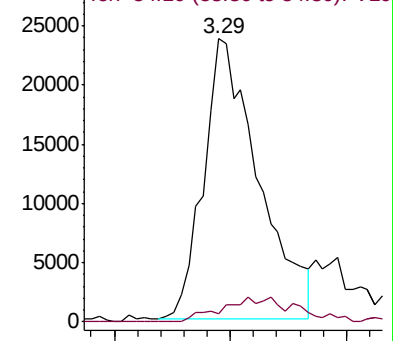
Ion Ratio Lower Upper

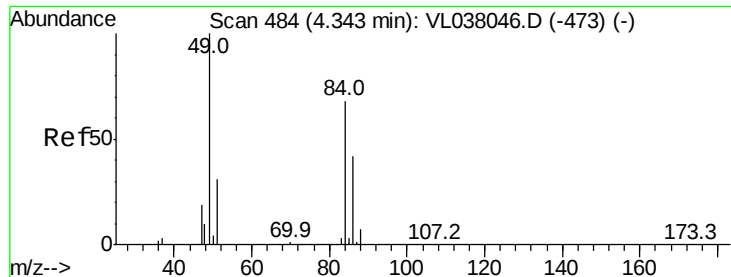
39 100

54 12.6 64.4 96.6#



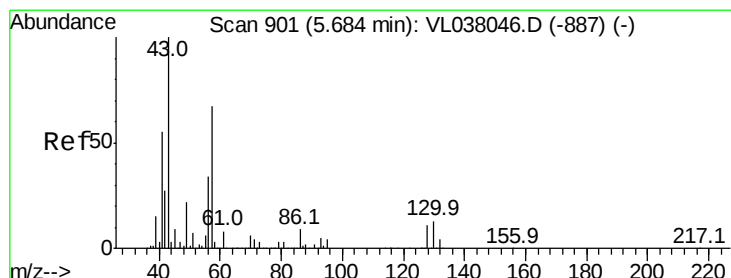
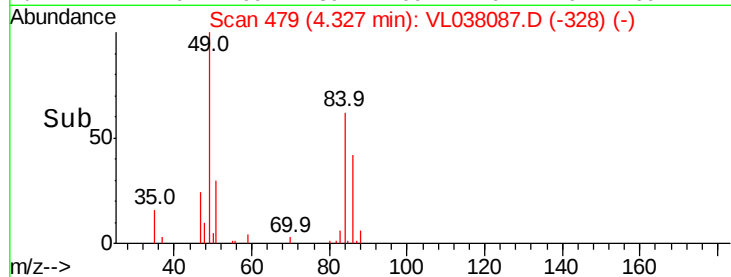
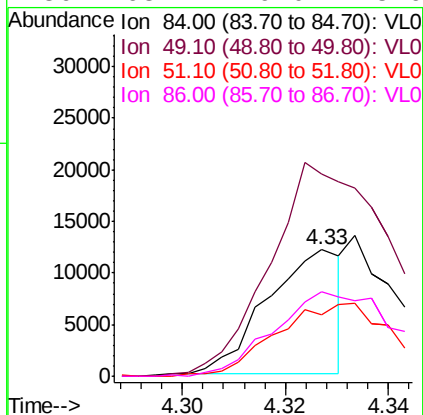
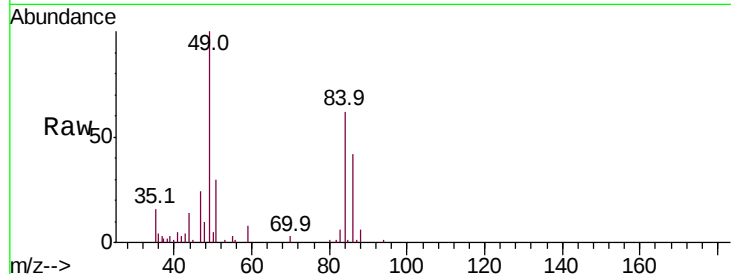
Abundance Ion 39.10 (38.80 to 39.80): VL0





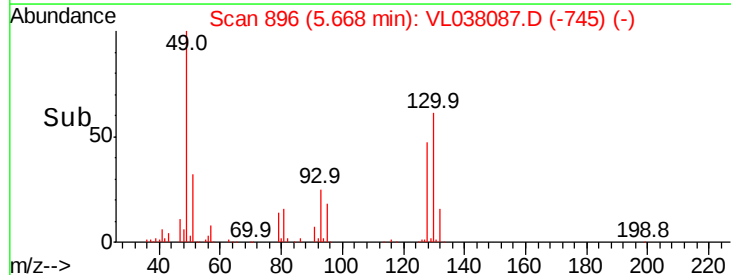
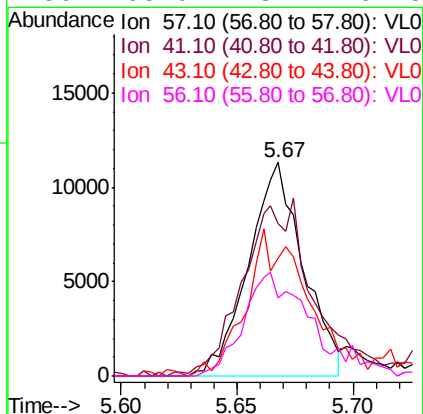
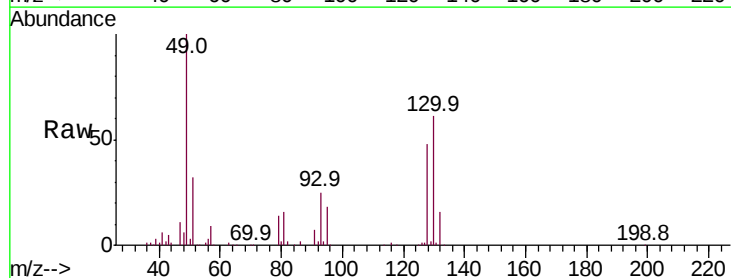
#20
Methylene Chloride
Concen: 0.294 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 16:17
TRANS-SHOPDL2DUP

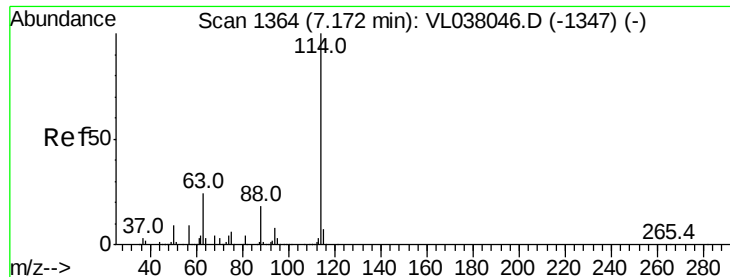
Tot Ion: 84 Resp: 12059
Ion Ratio Lower Upper
84 100
49 159.6 118.2 177.2
51 47.6 36.8 55.2
86 68.2 49.0 73.6



#26
Hexane
Concen: 0.158 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.02 min
Lab File: VL038087.D
Acq: 19 Nov 2021 16:17

Tgt Ion: 57 Resp: 18587
Ion Ratio Lower Upper
57 100
41 113.6 71.4 107.2#
43 87.1 174.6 261.8#
56 63.0 43.2 64.8





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 19 Nov 2021 16:17 TRANS-SHOPDL2DUP

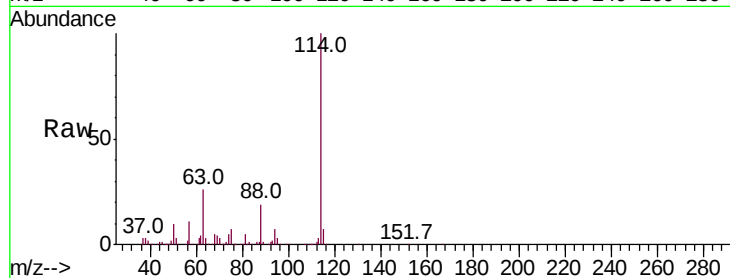
Tot Ion:114 Resp: 2292911

Ion Ratio Lower Upper

114 100

63 25.9 19.7 29.5

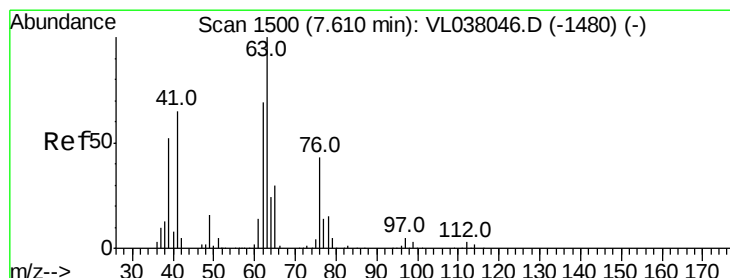
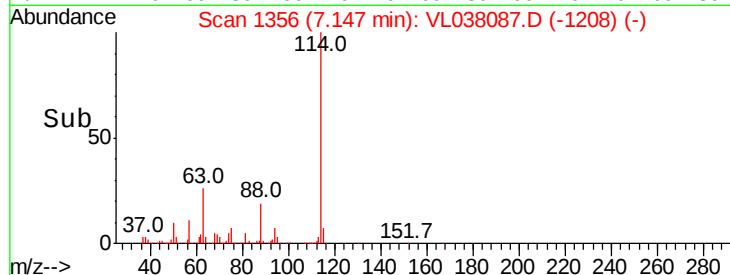
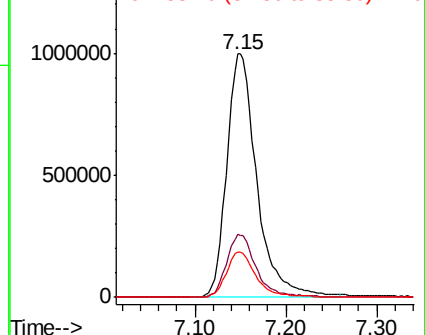
88 18.7 14.4 21.6



Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#39

1,2-Dichloropropane

Concen: 6.507 ppbv

RT: 7.15 min Scan# 1356

Delta R.T. -0.46 min

Lab File: VL038087.D

Acq: 19 Nov 2021 16:17

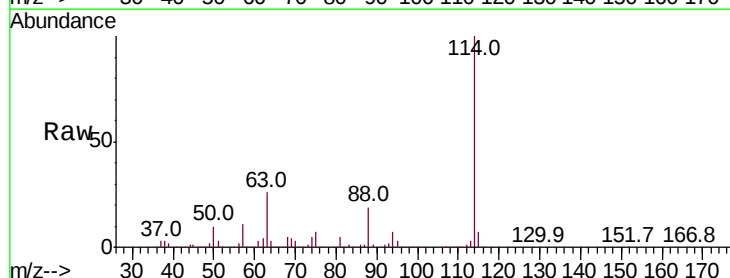
Tgt Ion: 63 Resp: 570903

Ion Ratio Lower Upper

63 100

41 0.1 52.3 78.5#

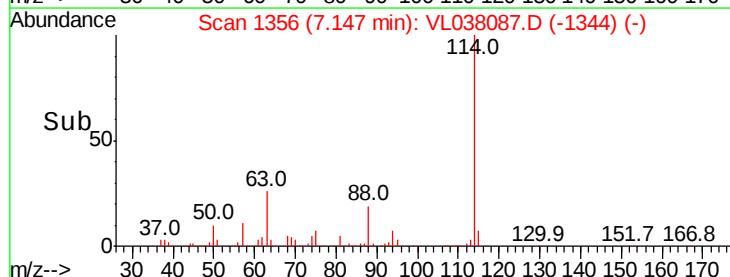
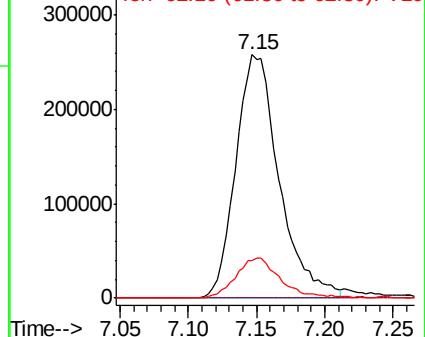
62 15.5 55.1 82.7#

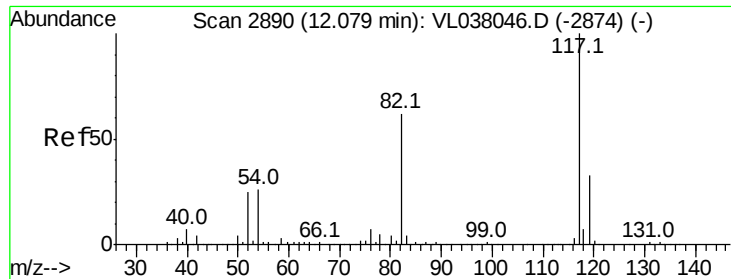


Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

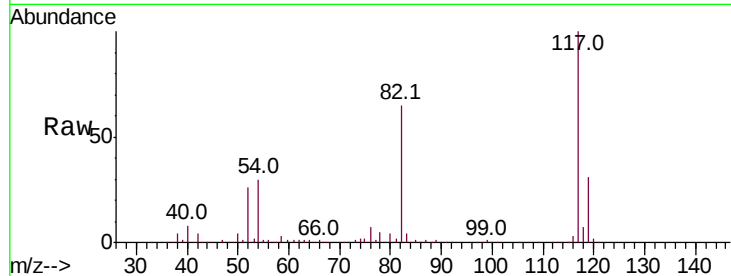
Ion 62.10 (61.80 to 62.80): VL0



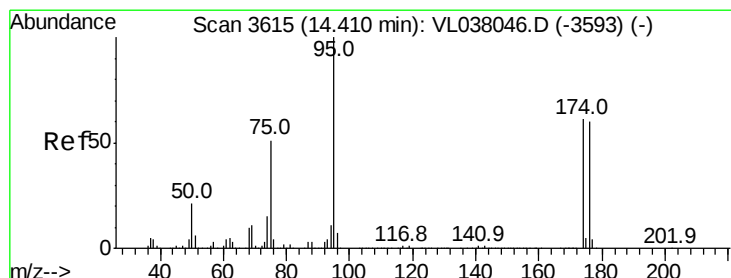
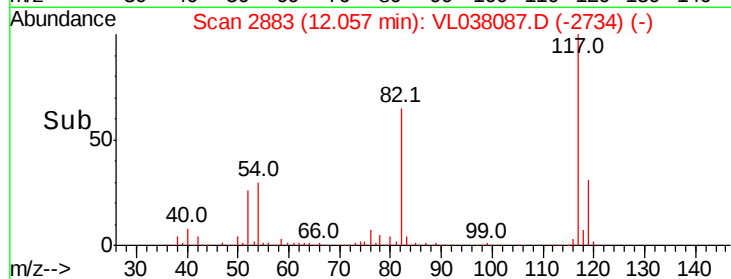
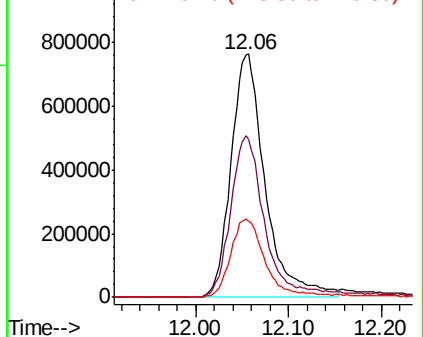


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06
 Instrument: MSVOA_1
 Delta R.T.:
 ClientSampleId:
 Lab File: TRANS-SHOPDL2DUP
 Acq: 19 Nov 2021 16:17

Tot Ion:117 Resp: 1954042
 Ion Ratio Lower Upper
 117 100
 82 71.0 52.8 79.2
 119 33.6 26.8 40.2

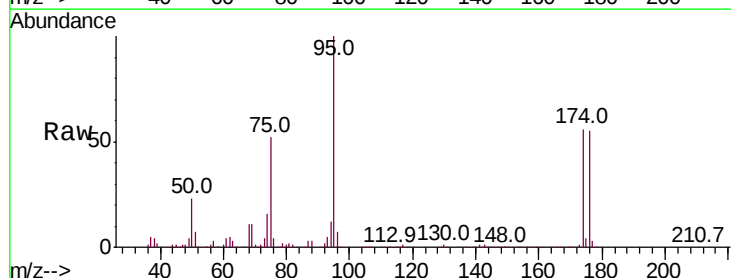


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.309 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T. -0.03 min
 Lab File: VL038087.D
 Acq: 19 Nov 2021 16:17

Tgt Ion: 95 Resp: 1453064
 Ion Ratio Lower Upper
 95 100
 174 63.6 53.1 79.7
 175 4.4 4.0 6.0



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

