

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL111921\
 Data File : VL038085.D
 Acq On : 19 Nov 2021 15:02
 Operator : SY/AP
 Sample : M4704-03DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 57-NEONEYDL2

Quant Time: Nov 22 06:35:55 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	828364	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	2293997	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.06	117	1942164	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1488527	10.63	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

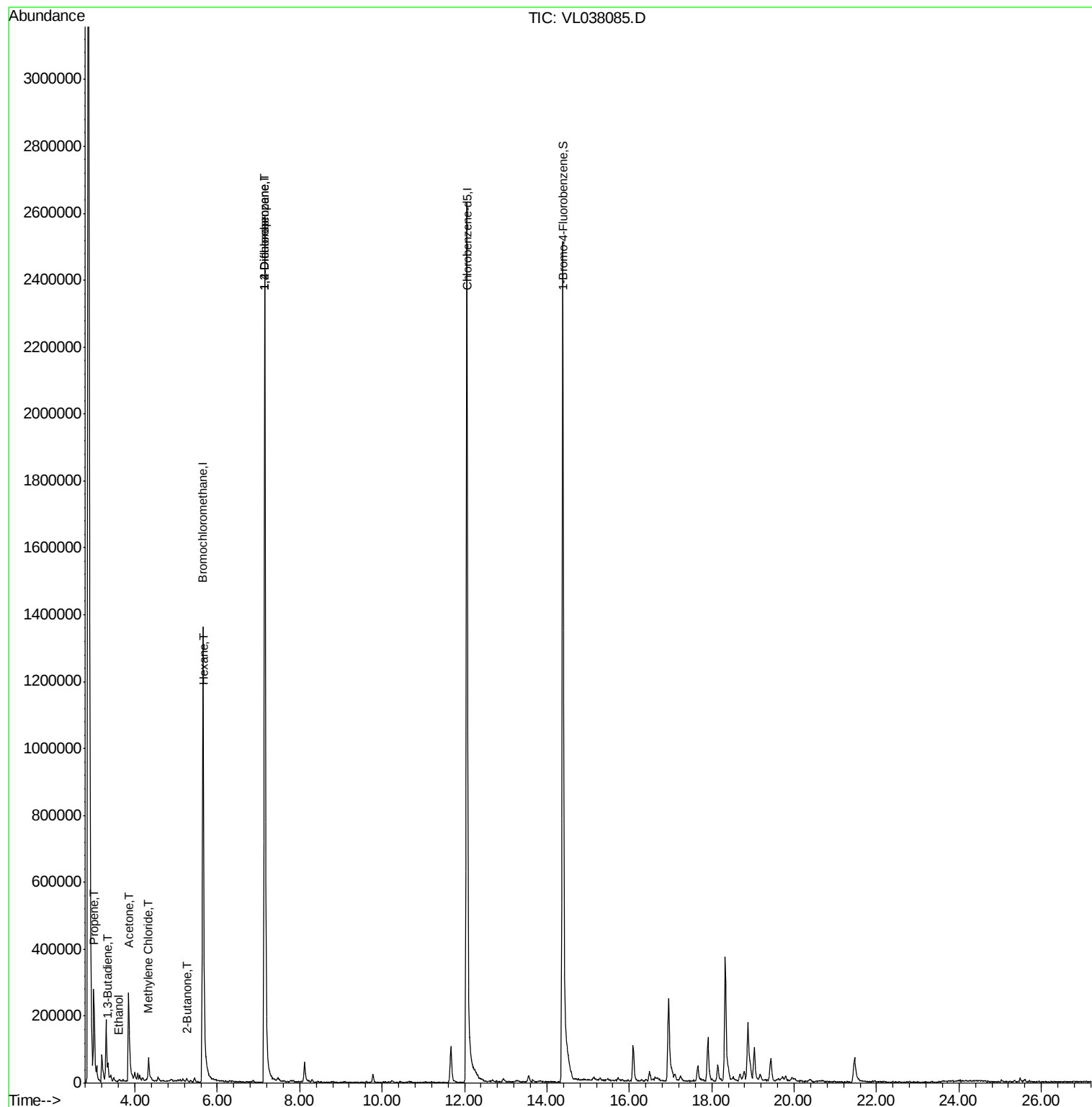
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	137630	2.148	ppbv	100
13) Ethanol	3.61	45	2189	0.354	ppbv	77
15) Acetone	3.84	43	404368	5.630	ppbv	100
16) 1,3-Butadiene	3.34	39	5447	0.097	ppbv #	22
20) Methylene Chloride	4.33	84	9782	0.243	ppbv	96
26) Hexane	5.67	57	10426	0.091	ppbv #	45
34) 2-Butanone	5.25	43	7560	0.082	ppbv #	52
39) 1,2-Dichloropropane	7.15	63	577796	6.582	ppbv #	26

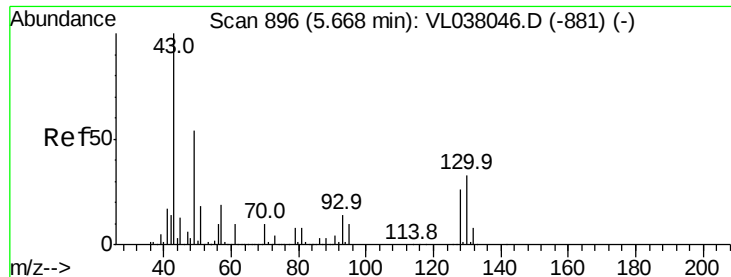
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 19 Nov 2021 15:02

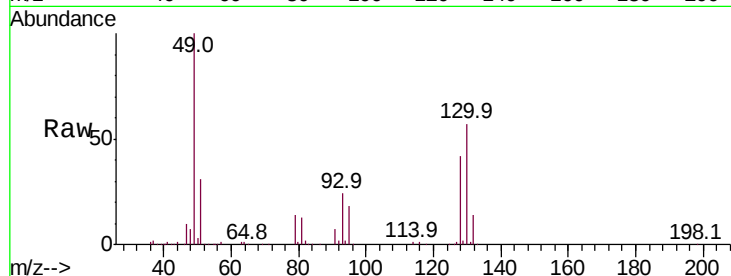
Tot Ion: 49 Resp: 828364

Ion Ratio Lower Upper

49 100

128 48.4 26.5 79.5

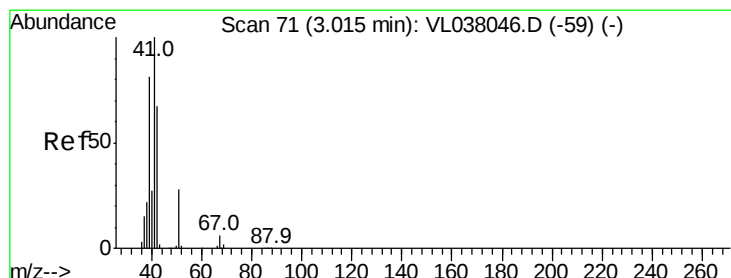
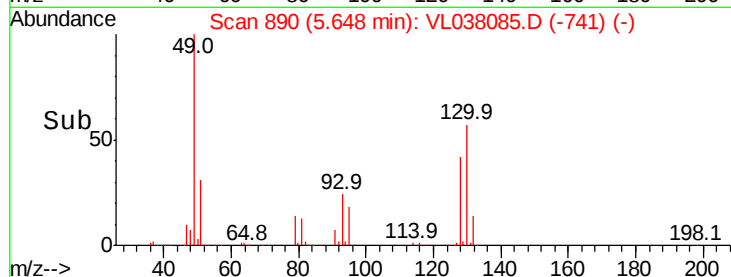
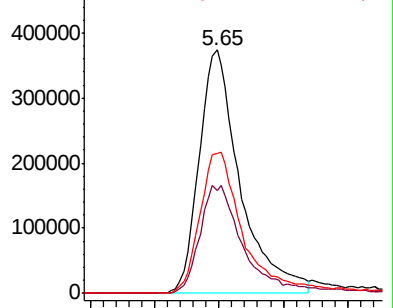
130 63.3 32.5 97.4



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 2.148 ppbv

RT: 3.01 min Scan# 68

Delta R.T. -0.01 min

Lab File: VL038085.D

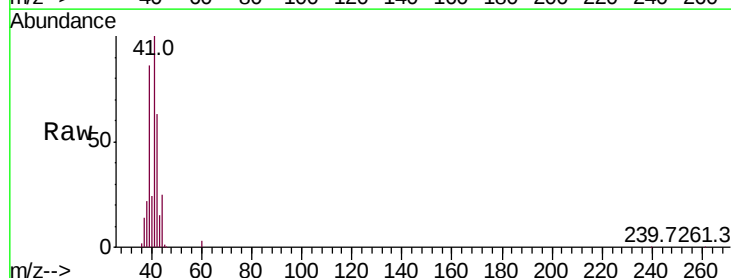
Acq: 19 Nov 2021 15:02

Tgt Ion: 41 Resp: 137630

Ion Ratio Lower Upper

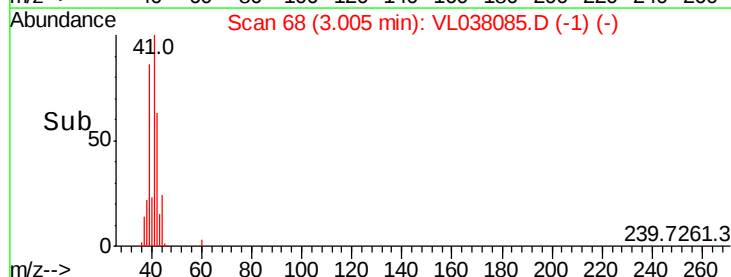
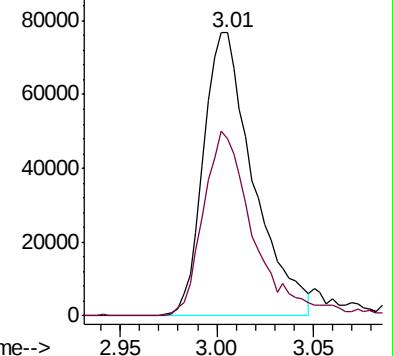
41 100

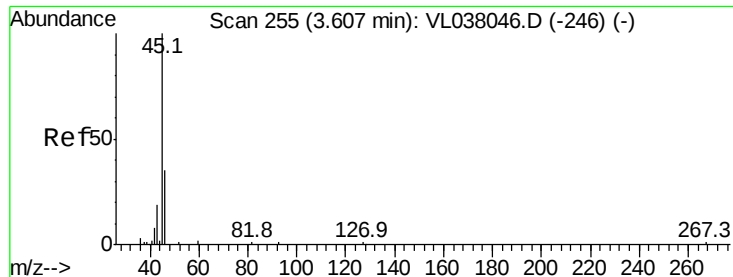
42 67.2 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

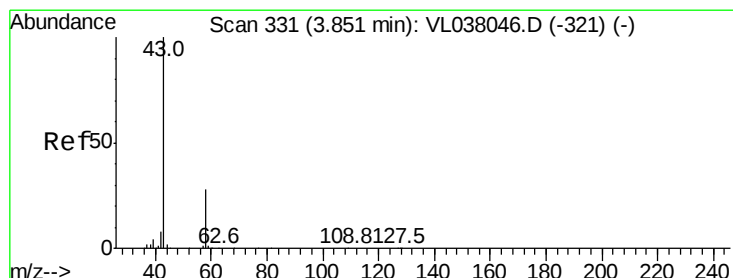
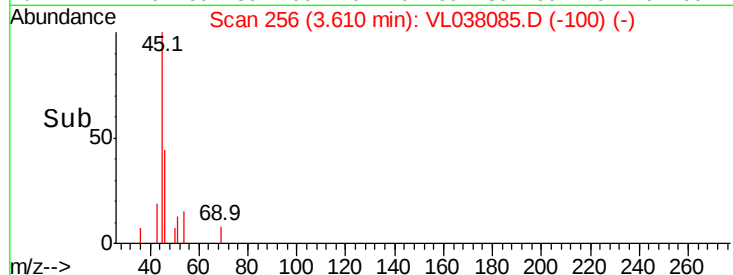
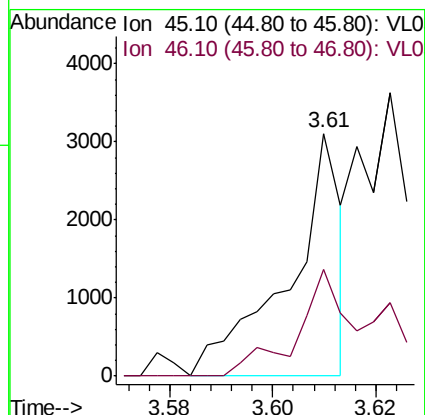
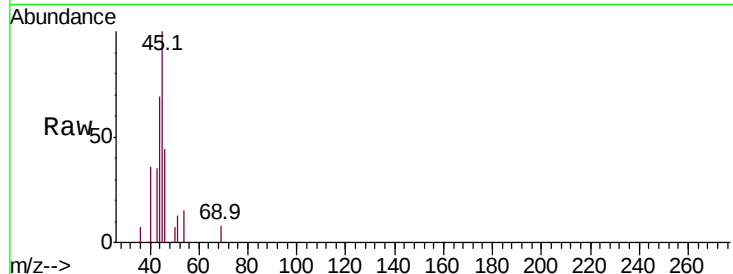
Ion 42.10 (41.80 to 42.80): VL0





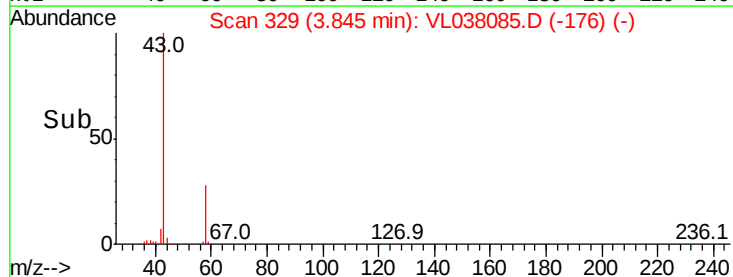
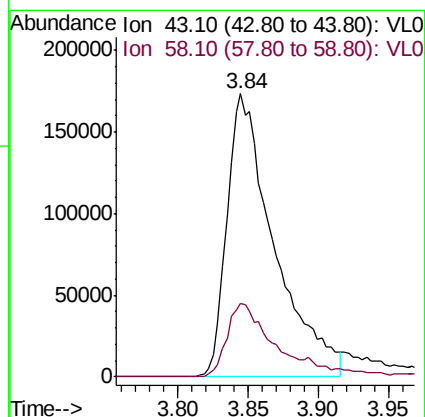
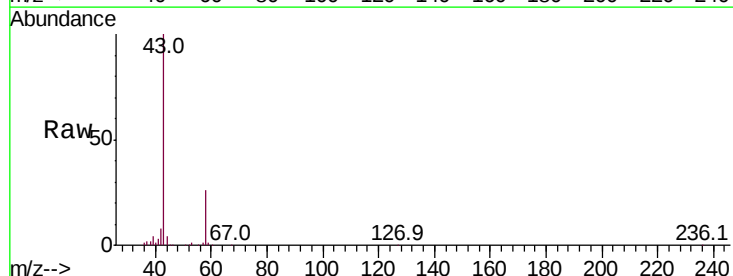
#13
Ethanol
Concen: 0.354 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 19 Nov 2021 15:02

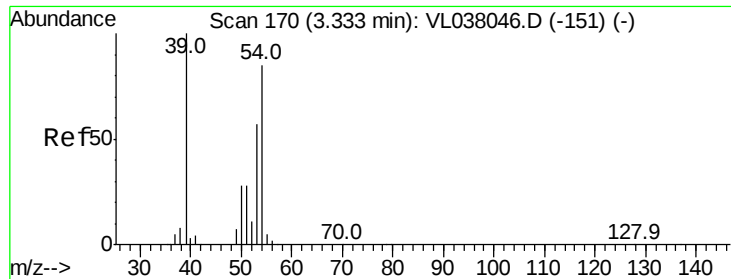
Tot Ion: 45 Resp: 2189
Ion Ratio Lower Upper
45 100
46 59.0 17.6 70.2



#15
Acetone
Concen: 5.630 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL038085.D
Acq: 19 Nov 2021 15:02

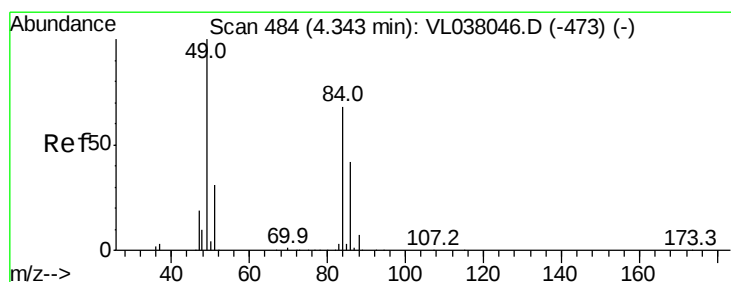
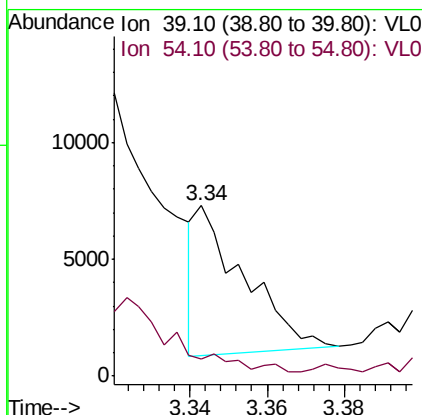
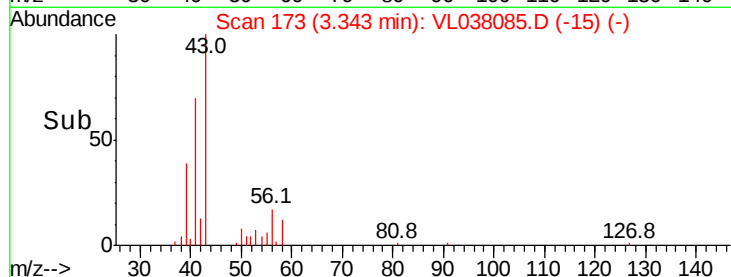
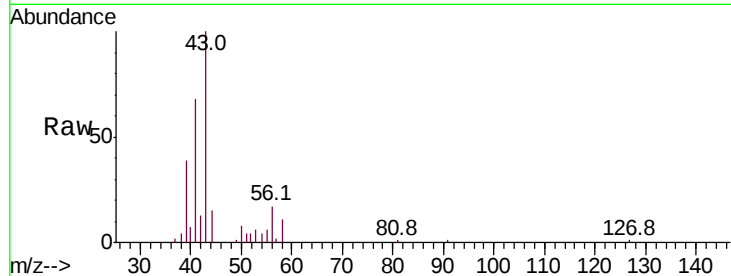
Tgt Ion: 43 Resp: 404368
Ion Ratio Lower Upper
43 100
58 28.2 22.4 33.6





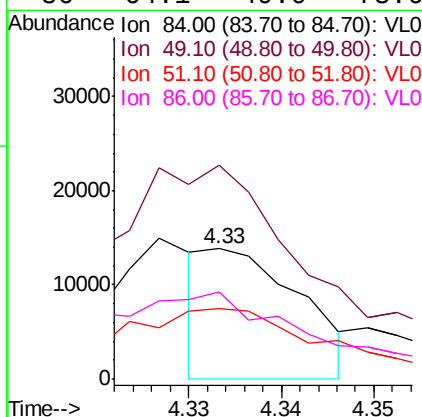
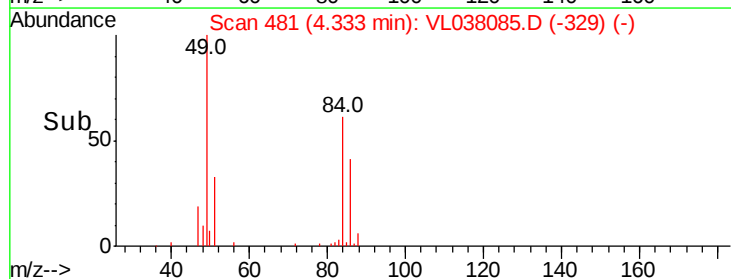
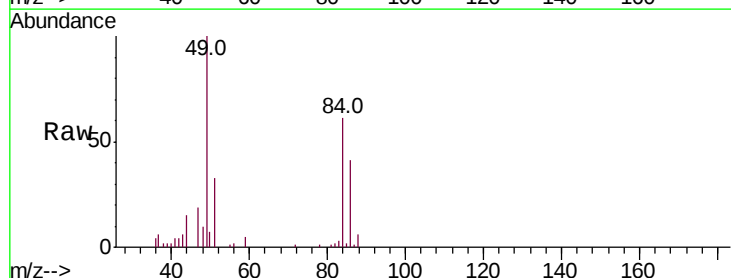
#16
 1,3-Butadiene
 Concen: 0.097 ppbv
 RT: 3.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 57-NEONEYDL2
 Acq: 19 Nov 2021 15:02

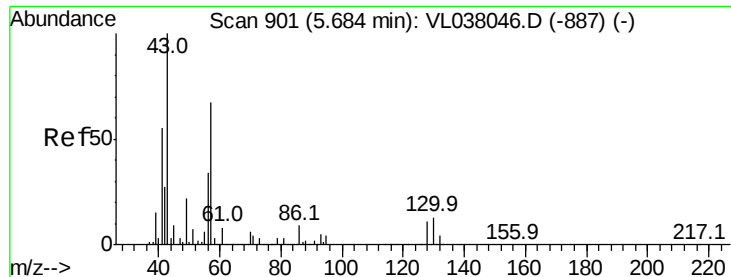
Tot Ion: 39 Resp: 5447
 Ion Ratio Lower Upper
 39 100
 54 149.2 64.4 96.6#



#20
 Methylene Chloride
 Concen: 0.243 ppbv
 RT: 4.33 min Scan# 481
 Delta R.T. -0.01 min
 Lab File: VL038085.D
 Acq: 19 Nov 2021 15:02

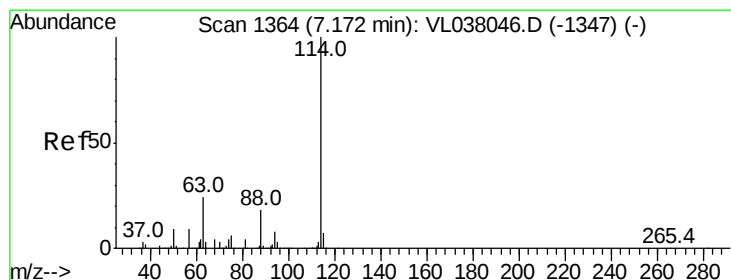
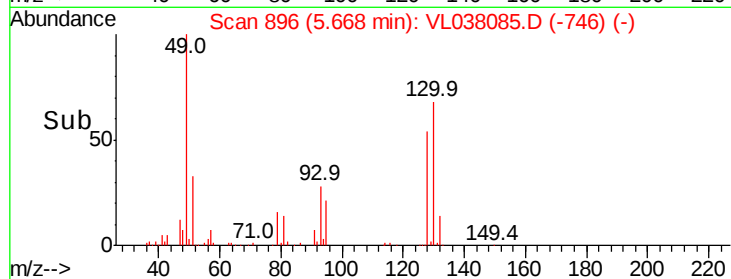
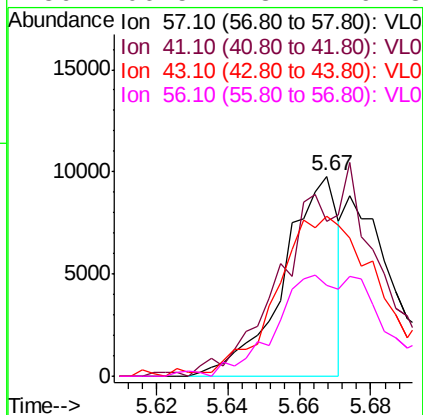
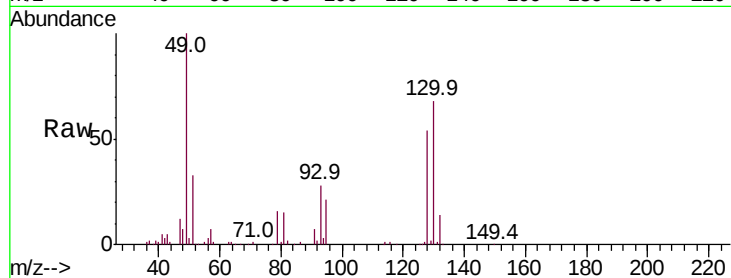
Tgt Ion: 84 Resp: 9782
 Ion Ratio Lower Upper
 84 100
 49 146.4 118.2 177.2
 51 37.8 36.8 55.2
 86 64.1 49.0 73.6





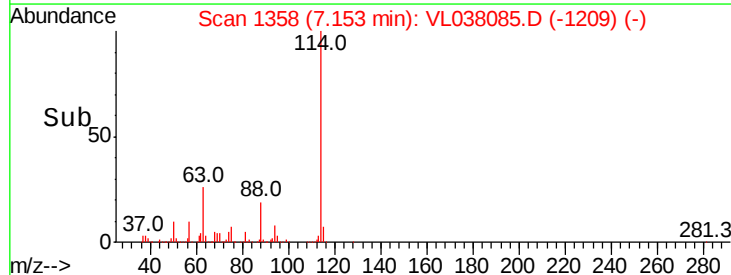
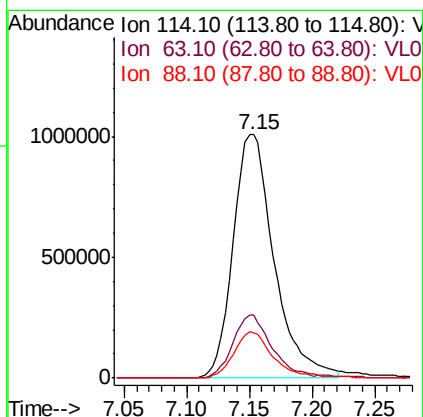
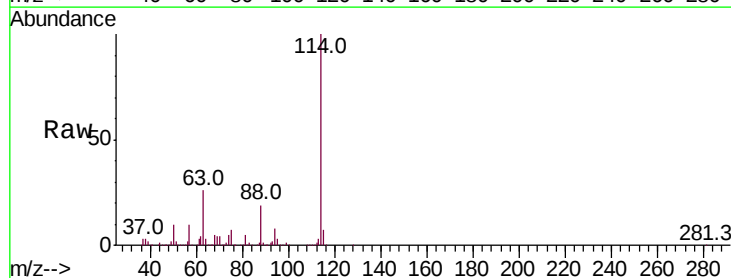
#26
Hexane
Concen: 0.091 ppbv
RT: 5.67
Delta R.T. MSVOA_1
Lab File: ClientSampleId:
57-NEONEYDL2
Acq: 19 Nov 2021 15:02

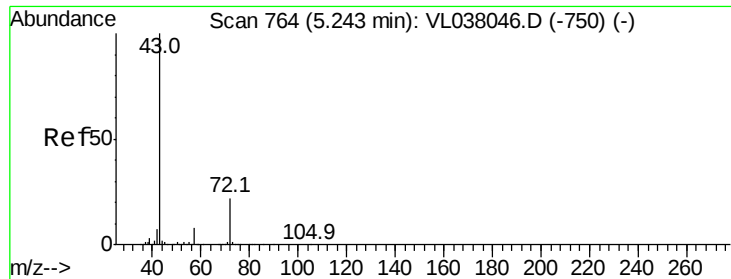
Tot Ion: 57 Resp: 10426
Ion Ratio Lower Upper
57 100
41 0.0 71.4 107.2#
43 164.8 174.6 261.8#
56 106.5 43.2 64.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.02 min
Lab File: VL038085.D
Acq: 19 Nov 2021 15:02

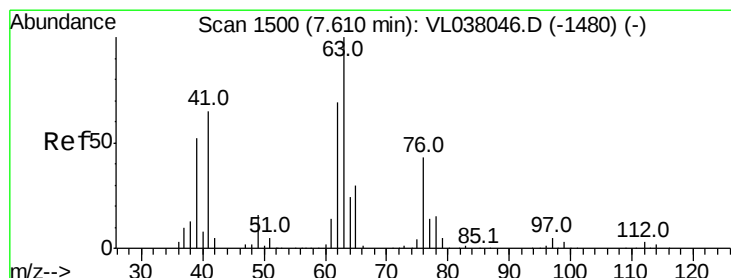
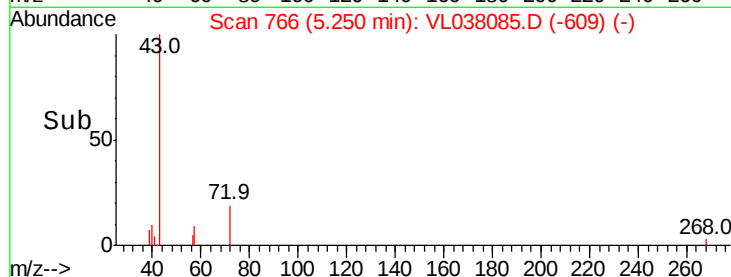
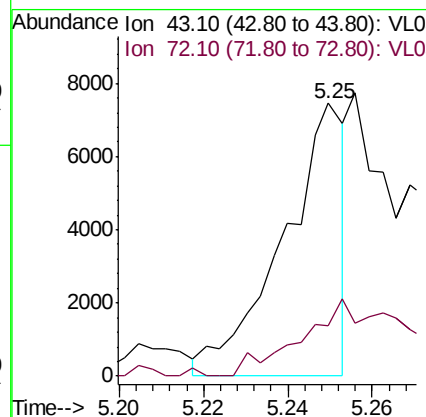
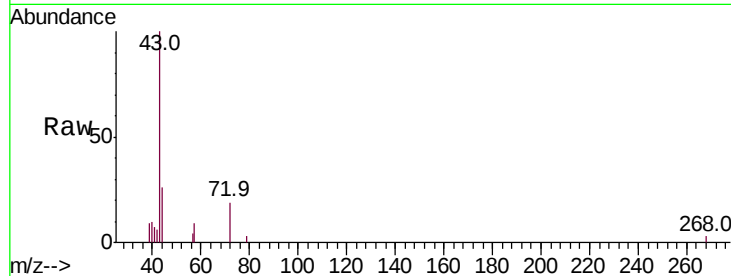
Tgt Ion: 114 Resp: 2293997
Ion Ratio Lower Upper
114 100
63 26.0 19.7 29.5
88 18.5 14.4 21.6





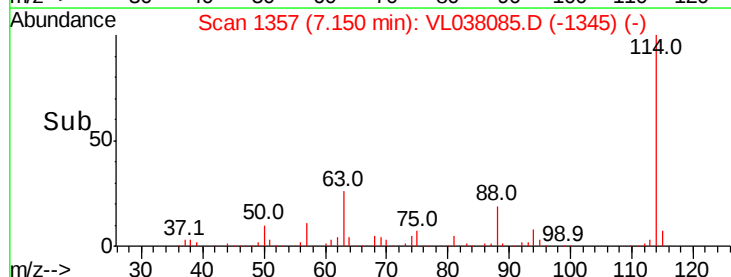
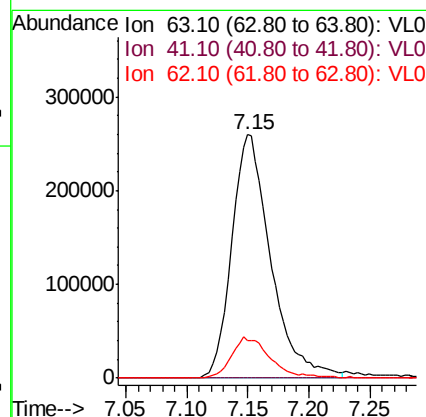
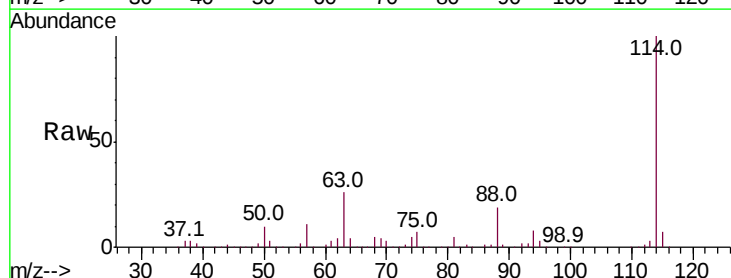
#34
2-Butanone
Concen: 0.082 ppbv
RT: 5.25
Delta R.T. MSVOA_1
Lab File: ClientSampleId :
Acq: 19 Nov 2021 15:02

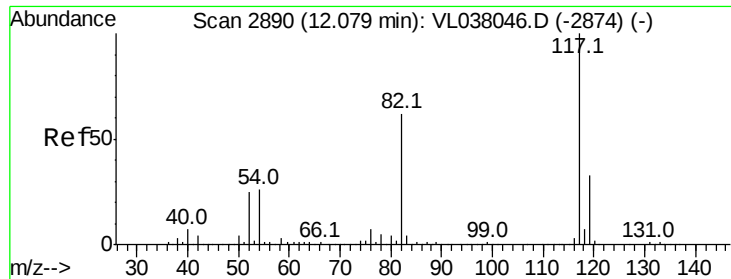
Tot Ion: 43 Resp: 7560
Ion Ratio Lower Upper
43 100
72 0.0 18.8 28.2#



#39
1,2-Dichloropropane
Concen: 6.582 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.46 min
Lab File: VL038085.D
Acq: 19 Nov 2021 15:02

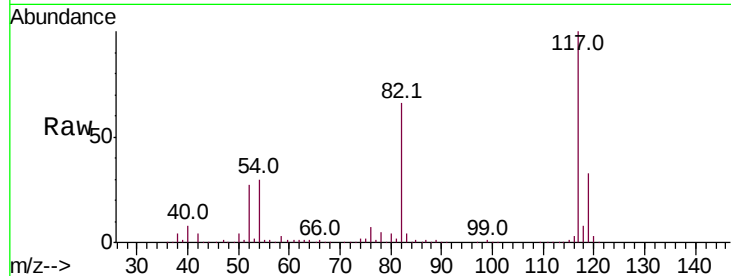
Tgt Ion: 63 Resp: 577796
Ion Ratio Lower Upper
63 100
41 0.0 52.3 78.5#
62 15.5 55.1 82.7#



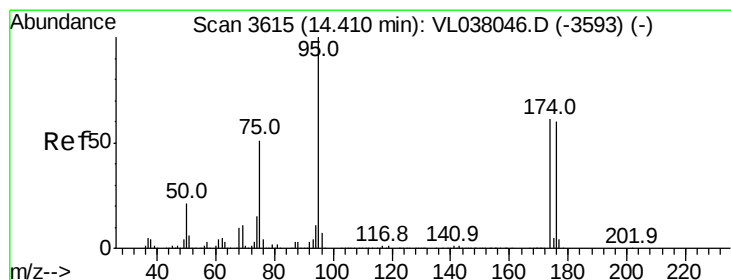
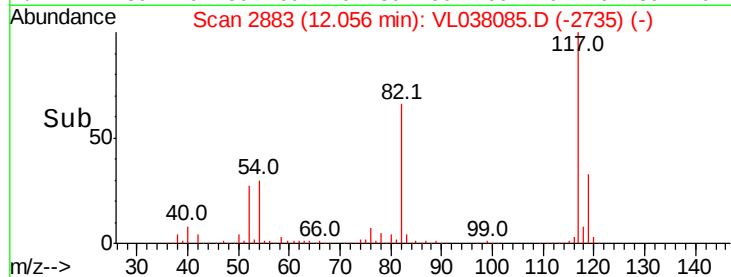
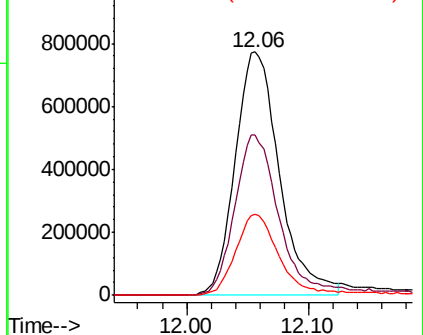


#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 57-NEONEYDL2
 Acq: 19 Nov 2021 15:02

Tot Ion:117 Resp: 1942164
 Ion Ratio Lower Upper
 117 100
 82 71.4 52.8 79.2
 119 34.6 26.8 40.2

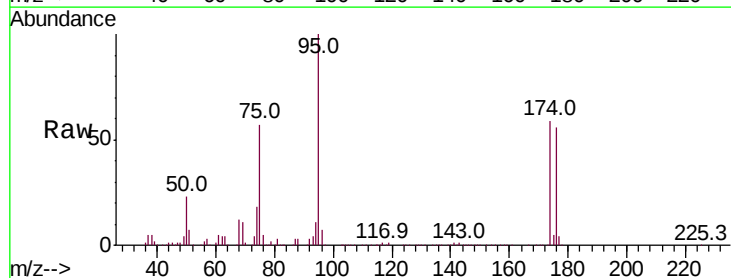


Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.625 ppbv
 RT: 14.38 min Scan# 3607
 Delta R.T. -0.03 min
 Lab File: VL038085.D
 Acq: 19 Nov 2021 15:02

Tgt Ion: 95 Resp: 1488527
 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

