

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
 Data File : VL037843.D
 Acq On : 12 Oct 2021 23:49
 Operator : SY/AP
 Sample : M4079-16DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0P05DL

Quant Time: Oct 14 01:07:19 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1267902	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3761196	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3227461	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2201340	9.75	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

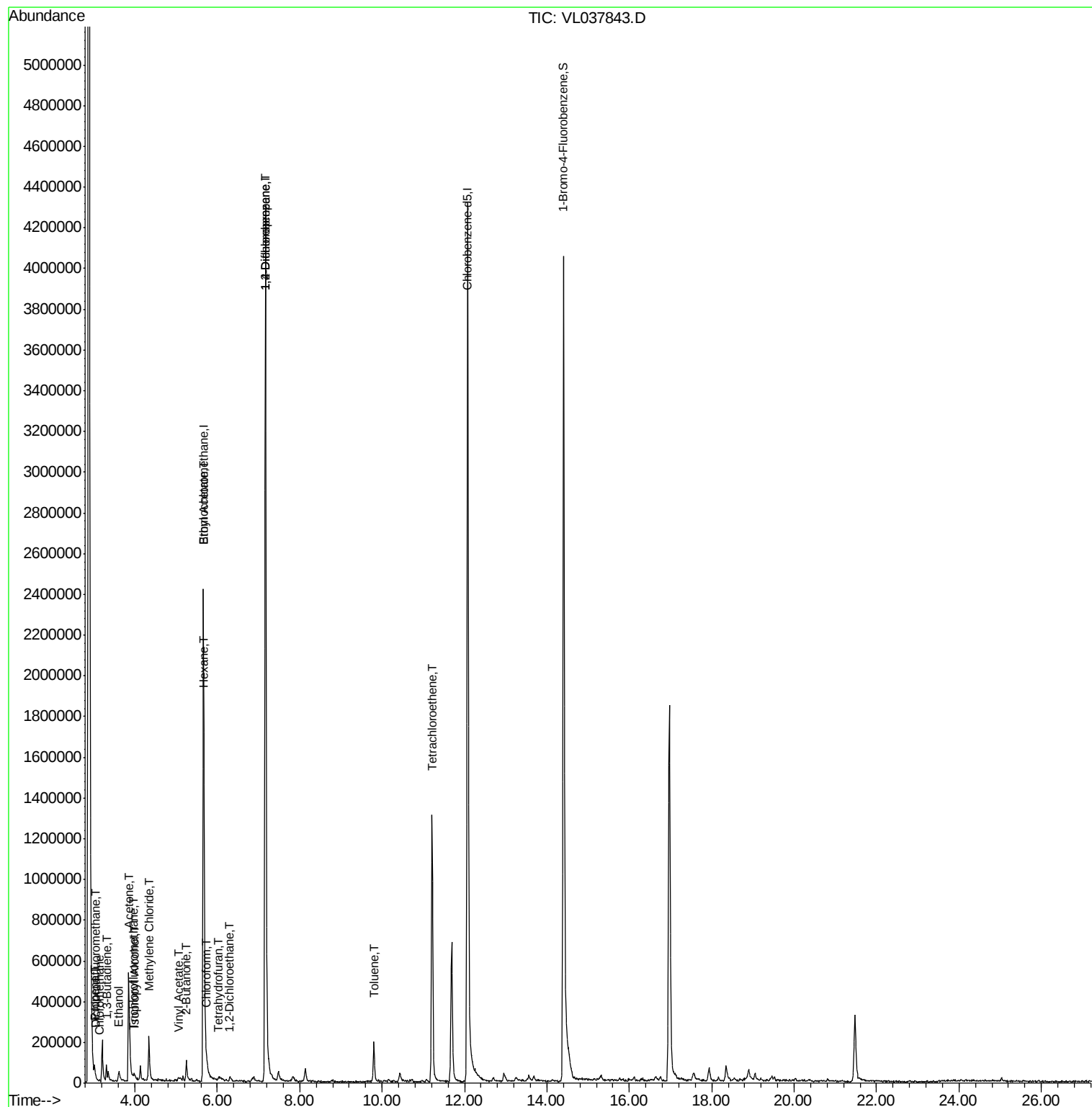
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	11608	0.057	ppbv	89
4) Chloromethane	3.14	50	1850	0.021	ppbv #	75
9) Propene	3.02	41	12321	0.137	ppbv #	49
11) Trichlorofluoromethane	3.95	101	4692	0.026	ppbv #	79
13) Ethanol	3.61	45	58586	7.992	ppbv	99
15) Acetone	3.84	43	739768	6.499	ppbv	98
16) 1,3-Butadiene	3.31	39	23728	0.287	ppbv #	23
19) Isopropyl Alcohol	3.98	45	37865	0.535	ppbv #	96
20) Methylene Chloride	4.34	84	76718	1.334	ppbv	88
23) Vinyl Acetate	5.06	43	5990	0.035	ppbv #	52
25) Ethyl Acetate	5.67	43	142597	0.446	ppbv #	87
26) Hexane	5.68	57	25326	0.161	ppbv #	1
29) Chloroform	5.74	83	6786	0.030	ppbv	92
34) 2-Butanone	5.25	43	143876	0.948	ppbv	93
37) 1,2-Dichloroethane	6.30	62	4543	0.030	ppbv #	78
39) 1,2-Dichloropropane	7.17	63	888706	7.355	ppbv #	27
41) Tetrahydrofuran	6.04	42	2597	0.035	ppbv #	58
52) Tetrachloroethene	11.22	164	367896	2.943	ppbv	96
53) Toluene	9.80	91	155446	0.437	ppbv	100

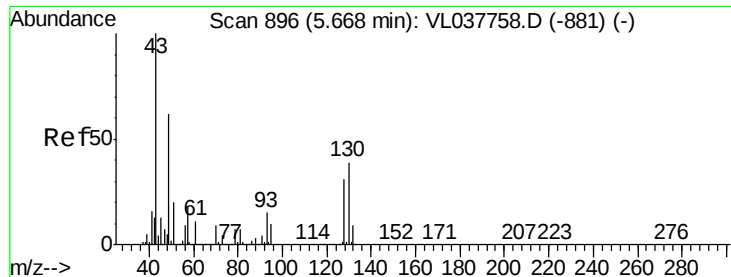
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 12 Oct 2021 23:49

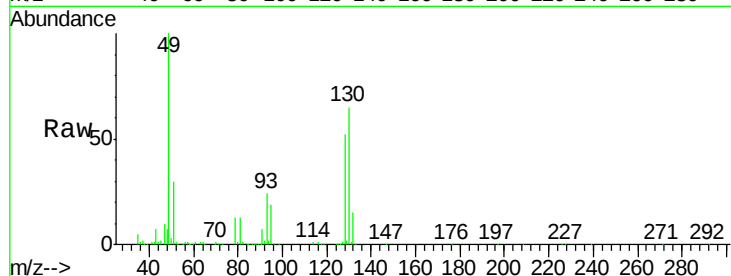
Tgt Ion: 49 Resp: 1267902

Ion Ratio Lower Upper

49 100

128 54.3 27.1 81.3

130 70.1 33.2 99.6



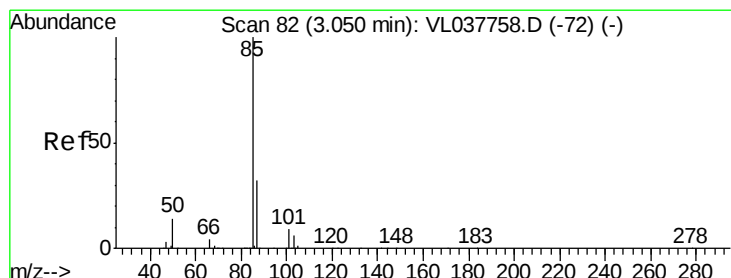
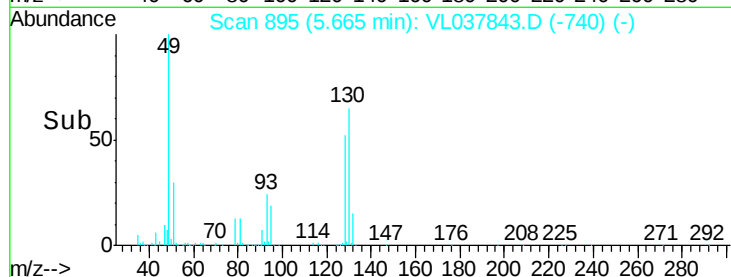
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.66

Time-->



#2

Dichlorodifluoromethane

Concen: 0.057 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037843.D

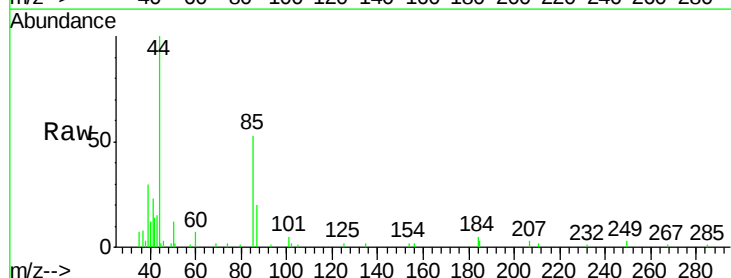
Acq: 12 Oct 2021 23:49

Tgt Ion: 85 Resp: 11608

Ion Ratio Lower Upper

85 100

87 38.2 25.7 38.5

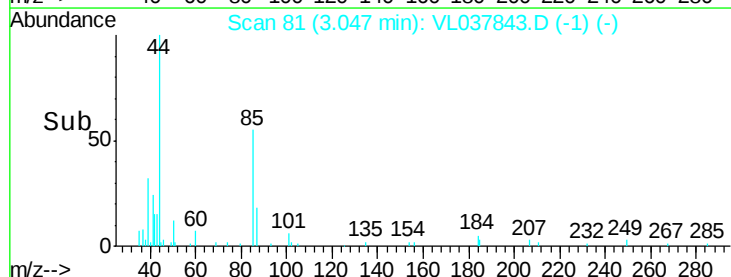


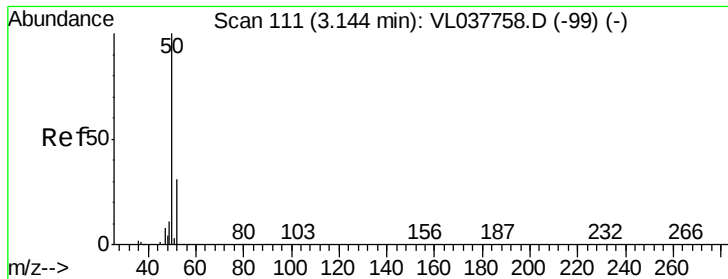
Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

3.05

Time-->





#4

Chloromethane

Concen: 0.021 ppbv

RT: 3.14 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

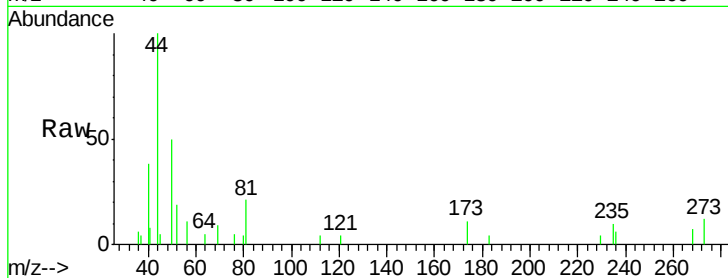
Acq: 12 Oct 2021 23:49

Tgt Ion: 50 Resp: 1850

Ion Ratio Lower Upper

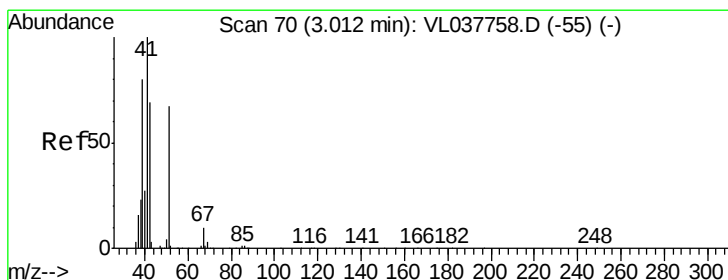
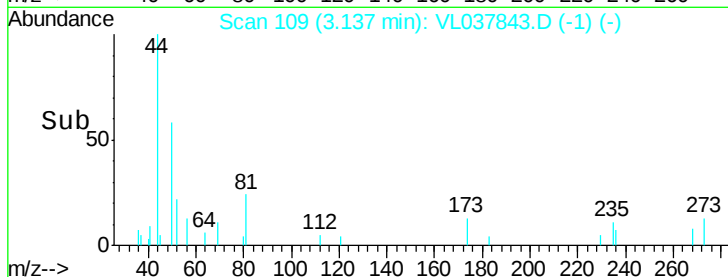
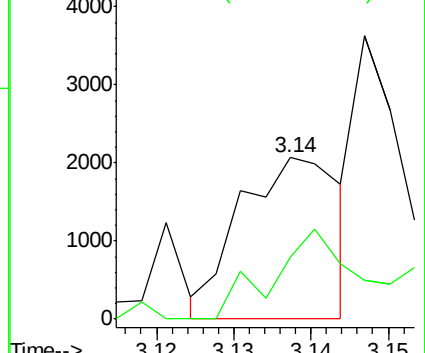
50 100

52 44.1 24.4 36.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.137 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.01 min

Lab File: VL037843.D

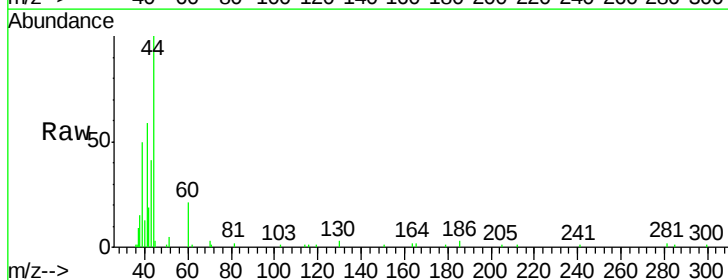
Acq: 12 Oct 2021 23:49

Tgt Ion: 41 Resp: 12321

Ion Ratio Lower Upper

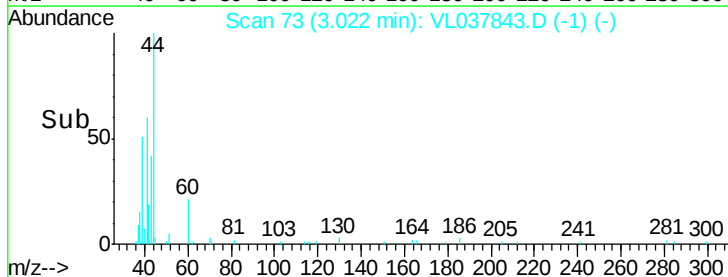
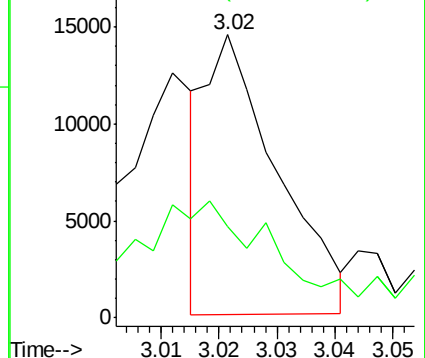
41 100

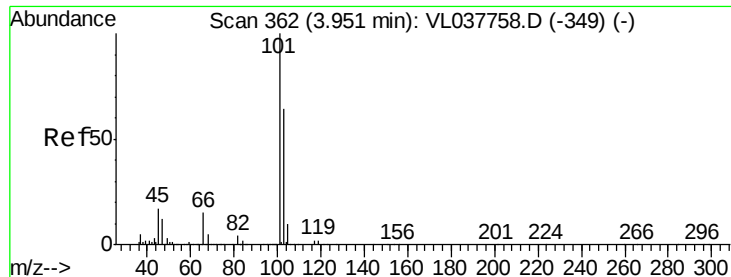
42 109.1 54.2 81.2#



Abundance Ion 41.10 (40.80 to 41.80): VL0

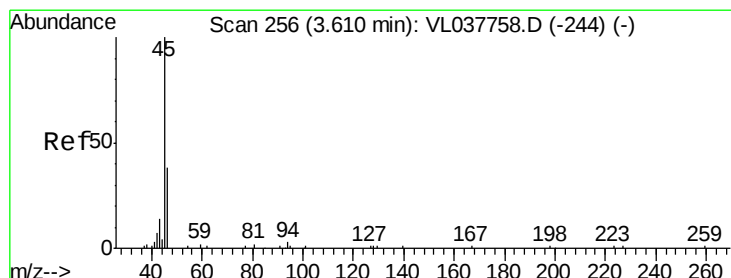
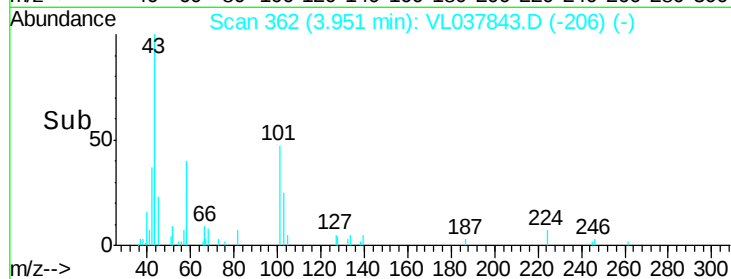
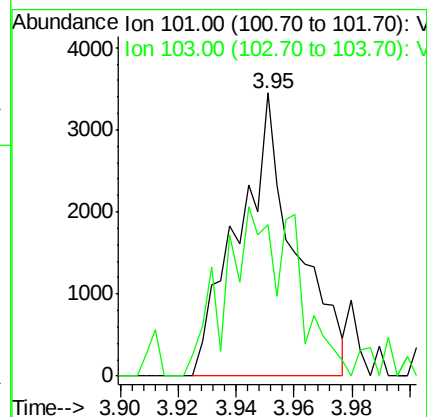
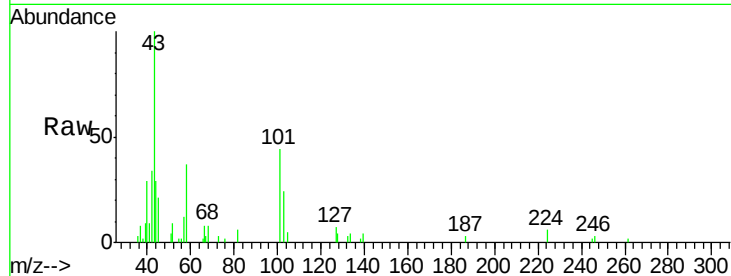
Ion 42.10 (41.80 to 42.80): VL0





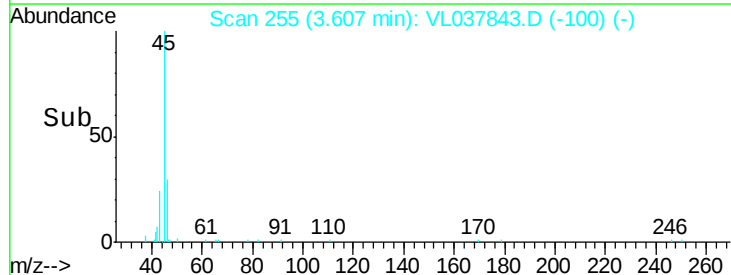
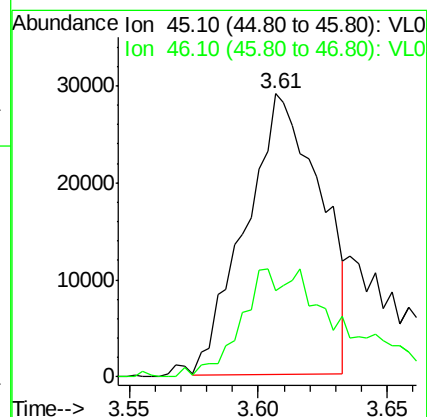
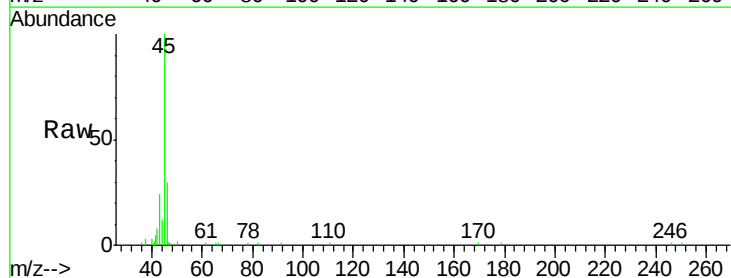
#11
 Trichlorofluoromethane
 Concen: 0.026 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0P05DL
 Acq: 12 Oct 2021 23:49

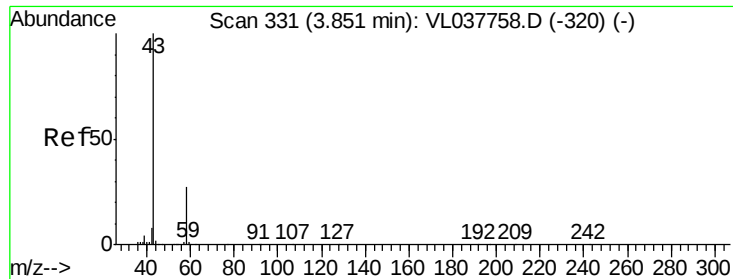
Tgt Ion: 101 Resp: 4692
 Ion Ratio Lower Upper
 101 100
 103 48.2 51.5 77.3#



#13
 Ethanol
 Concen: 7.992 ppbv
 RT: 3.61 min Scan# 255
 Delta R.T. -0.00 min
 Lab File: VL037843.D
 Acq: 12 Oct 2021 23:49

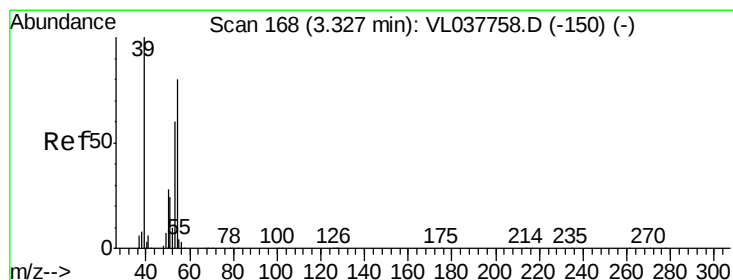
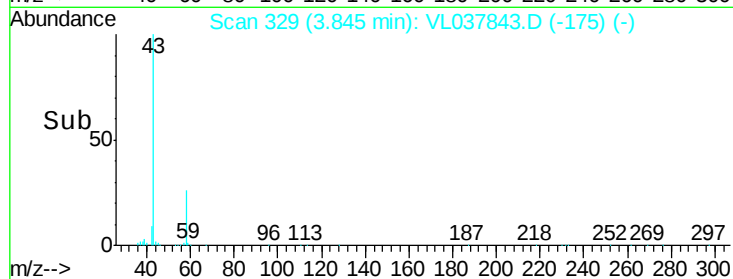
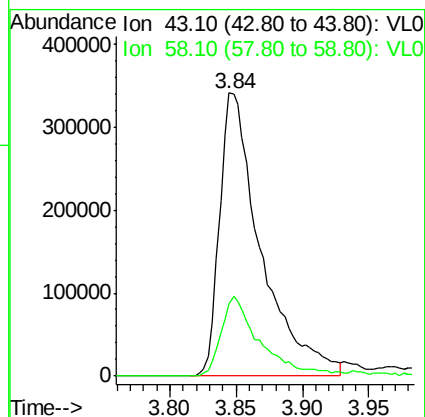
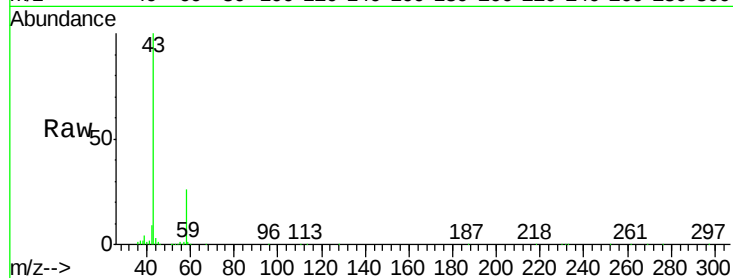
Tgt Ion: 45 Resp: 58586
 Ion Ratio Lower Upper
 45 100
 46 51.0 20.2 81.0





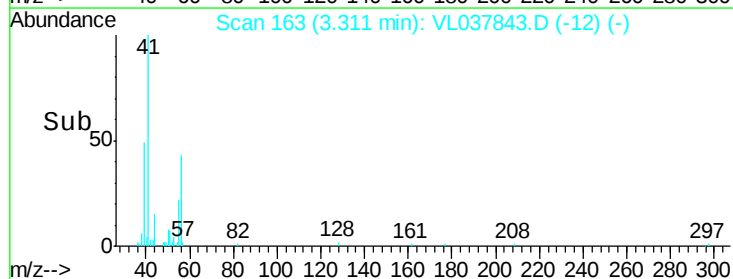
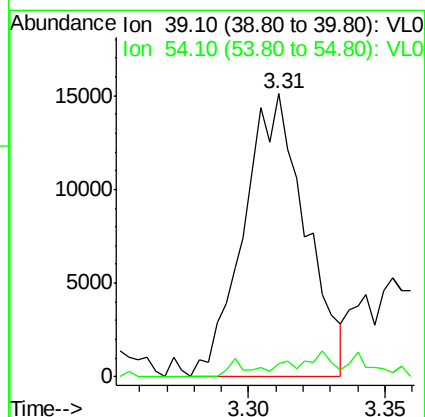
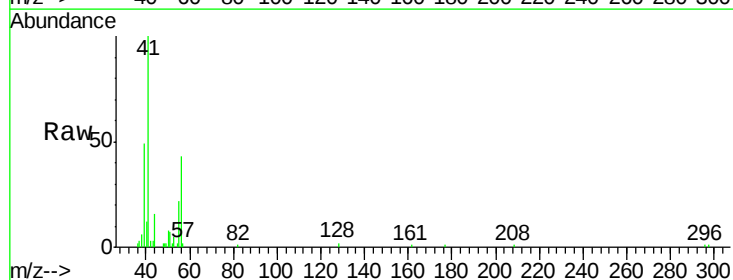
#15
Acetone
Concen: 6.499 ppbv
RT: 3.84
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 12 Oct 2021 23:49

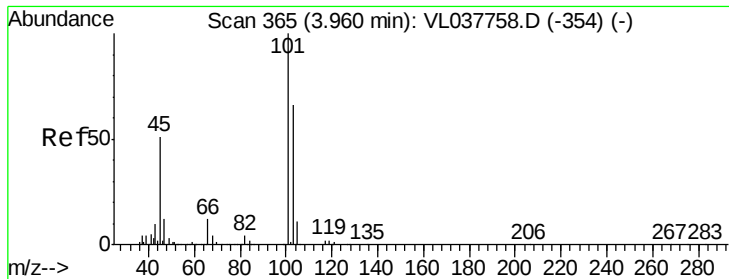
Tgt Ion: 43 Resp: 739768
Ion Ratio Lower Upper
43 100
58 27.7 23.0 34.6



#16
1,3-Butadiene
Concen: 0.287 ppbv
RT: 3.31 min Scan# 163
Delta R.T. -0.02 min
Lab File: VL037843.D
Acq: 12 Oct 2021 23:49

Tgt Ion: 39 Resp: 23728
Ion Ratio Lower Upper
39 100
54 10.9 61.7 92.5#





#19

Isopropyl Alcohol

Concen: 0.535 ppbv

RT: 3.98 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

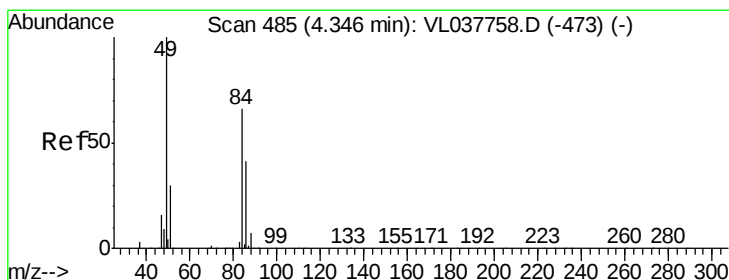
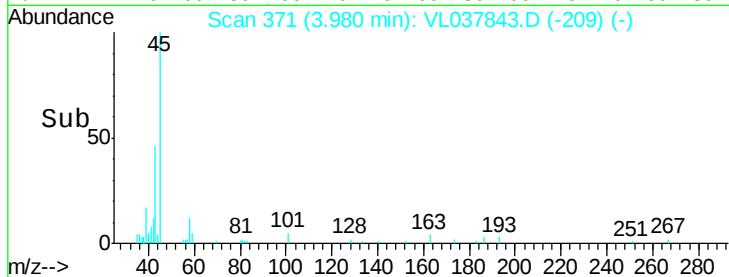
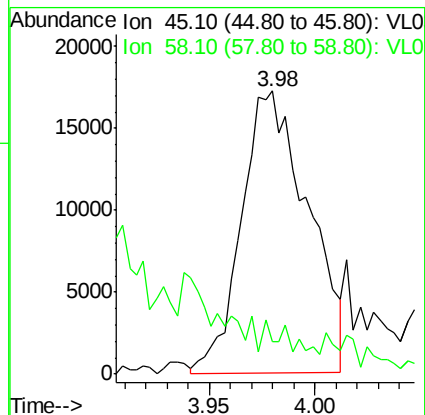
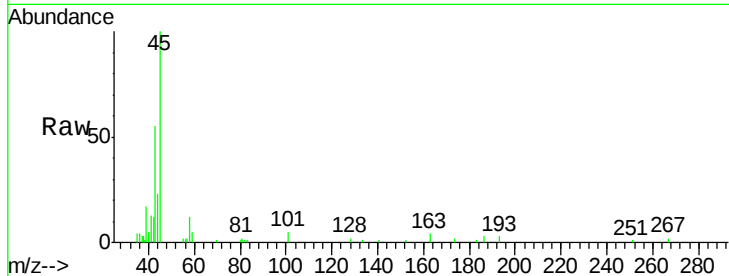
Acq: 12 Oct 2021 23:49 COP05DL

Tgt Ion: 45 Resp: 37865

Ion Ratio Lower Upper

45 100

58 0.0 1.1 1.7#



#20

Methylene Chloride

Concen: 1.334 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.01 min

Lab File: VL037843.D

Acq: 12 Oct 2021 23:49

Tgt Ion: 84 Resp: 76718

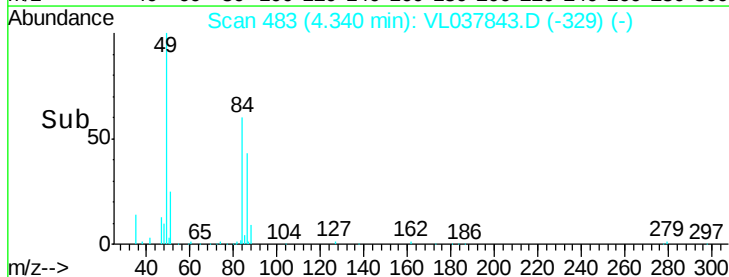
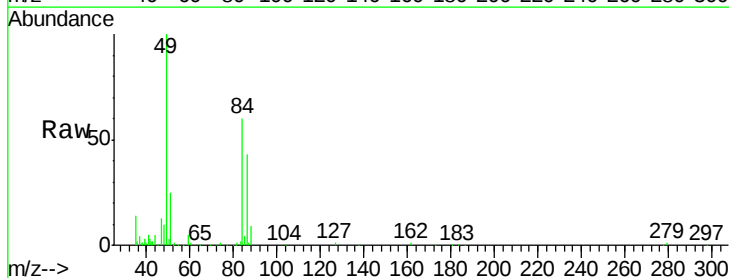
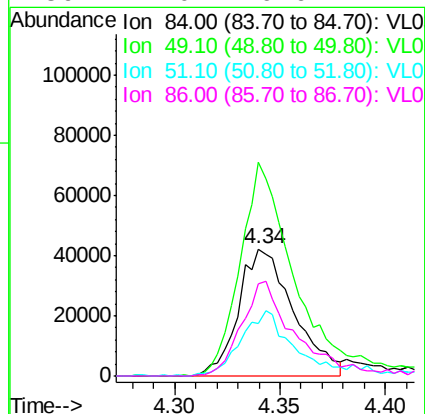
Ion Ratio Lower Upper

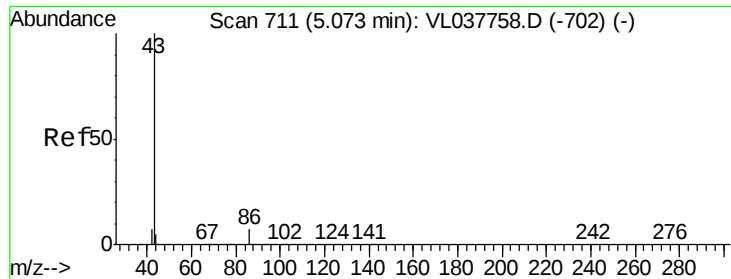
84 100

49 167.4 120.7 181.1

51 41.3 36.2 54.4

86 72.0 49.6 74.4





#23

Vinyl Acetate

Concen: 0.035 ppbv

RT: 5.06 Instrument: MSVOA_1

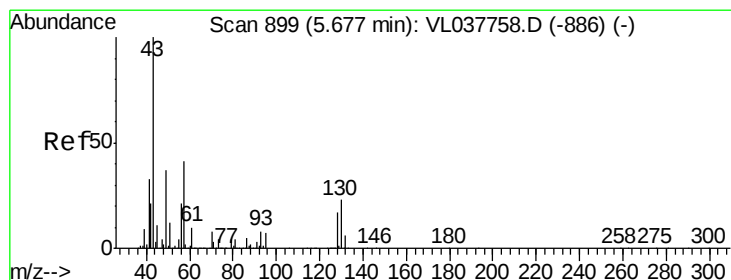
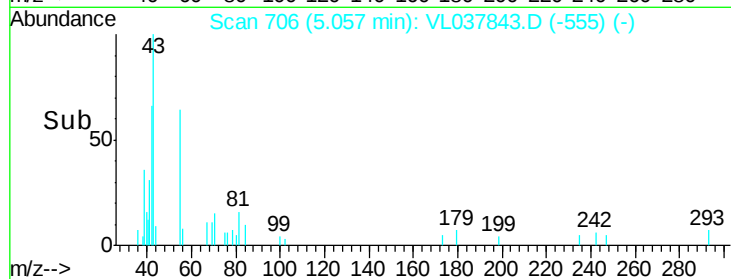
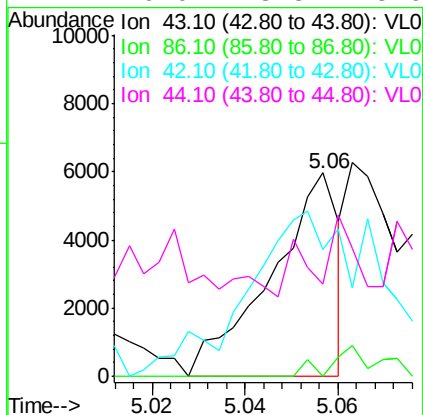
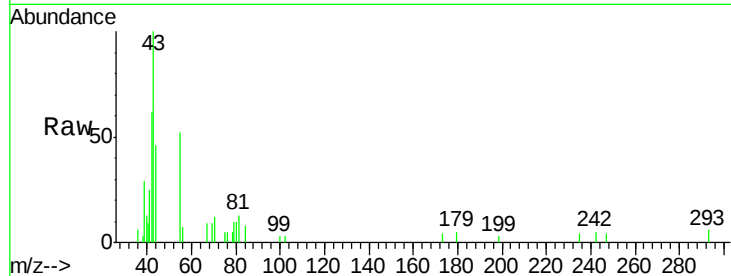
Delta R.T.

Lab File: ClientSampleId:

Acq: 12 Oct 2021 23:49

Tgt Ion: 43 Resp: 5990

Ion	Ratio	Lower	Upper
43	100		
86	0.0	5.0	7.4#
42	40.4	7.4	11.0#
44	0.0	3.8	5.6#



#25

Ethyl Acetate

Concen: 0.446 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL037843.D

Acq: 12 Oct 2021 23:49

Tgt Ion: 43 Resp: 142597

Ion	Ratio	Lower	Upper
43	100		
45	17.1	8.1	12.1#
61	12.2	7.5	11.3#
70	11.5	5.9	8.9#

