

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101221\
 Data File : VL037845.D
 Acq On : 13 Oct 2021 1:08
 Operator : SY/AP
 Sample : M4143-01DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 1ST-FLOORDL

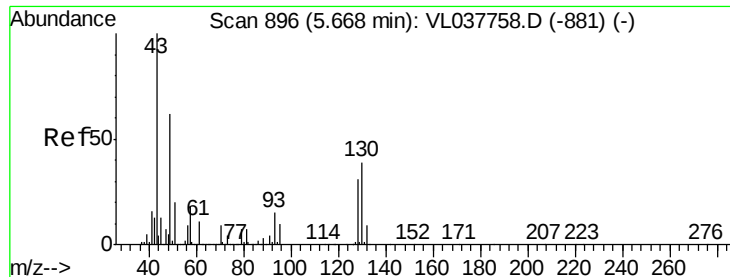
Quant Time: Oct 14 01:07:43 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL100421AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 04 17:43:54 2021
 QLast Update : Mon Oct 04 17:43:54 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1301871	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3782623	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3212116	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2201471	9.80	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	7816	0.038	ppbv #	81
3) Chlorodifluoromethane	2.99	51	12651	0.051	ppbv #	82
4) Chloromethane	3.13	50	2650	0.029	ppbv	93
9) Propene	3.01	41	6877	0.075	ppbv #	16
11) Trichlorofluoromethane	3.95	101	5118	0.028	ppbv	89
13) Ethanol	3.61	45	58278	7.742	ppbv	99
15) Acetone	3.85	43	667382	5.711	ppbv	97
16) 1,3-Butadiene	3.34	39	2307	0.027	ppbv #	11
19) Isopropyl Alcohol	3.98	45	32299	0.444	ppbv #	26
20) Methylene Chloride	4.34	84	74313	1.258	ppbv	97
25) Ethyl Acetate	5.67	43	144658	0.441	ppbv #	94
26) Hexane	5.69	57	20377	0.126	ppbv #	1
34) 2-Butanone	5.24	43	122305	0.801	ppbv #	87
37) 1,2-Dichloroethane	6.30	62	4548	0.030	ppbv #	86
39) 1,2-Dichloropropane	7.24	63	9127	0.075	ppbv #	41
52) Tetrachloroethene	11.22	164	338915	2.696	ppbv	95
53) Toluene	9.80	91	146152	0.408	ppbv	97
60) o-Xylene	13.68	91	8053	0.023	ppbv #	25

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



#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: 1ST-FLOORDL

Acq: 13 Oct 2021 1:08

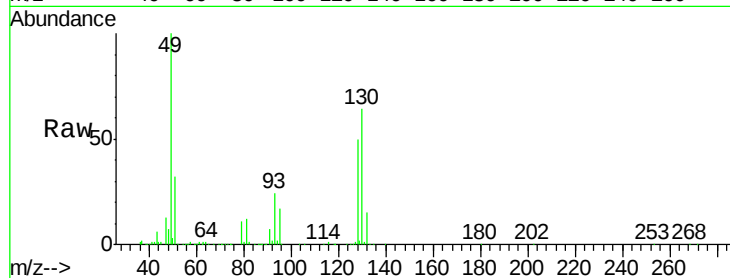
Tgt Ion: 49 Resp: 1301871

Ion Ratio Lower Upper

49 100

128 51.3 27.1 81.3

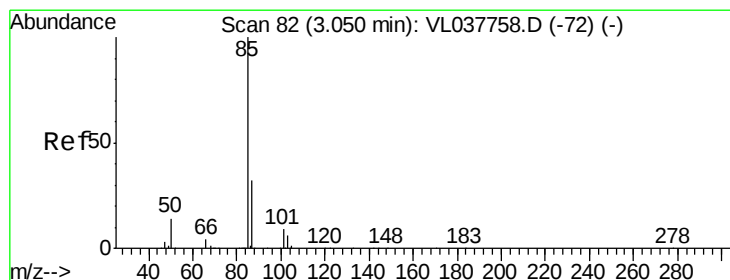
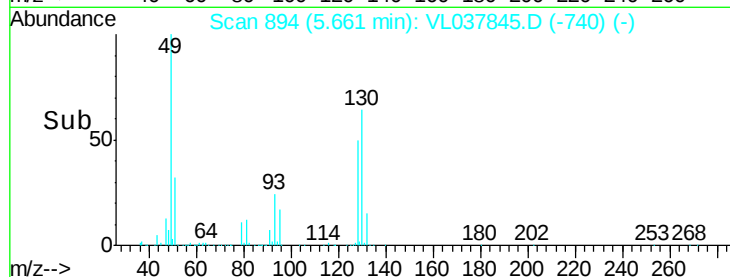
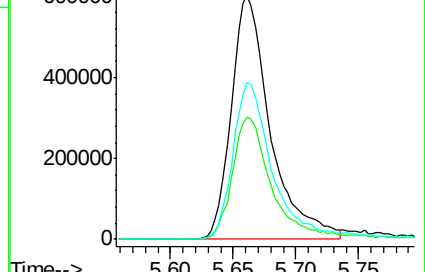
130 67.5 33.2 99.6



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



#2

Dichlorodifluoromethane

Concen: 0.038 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL037845.D

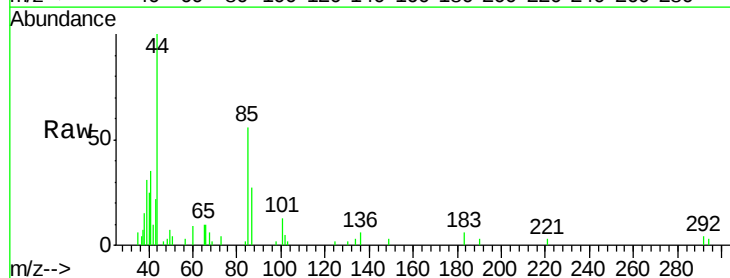
Acq: 13 Oct 2021 1:08

Tgt Ion: 85 Resp: 7816

Ion Ratio Lower Upper

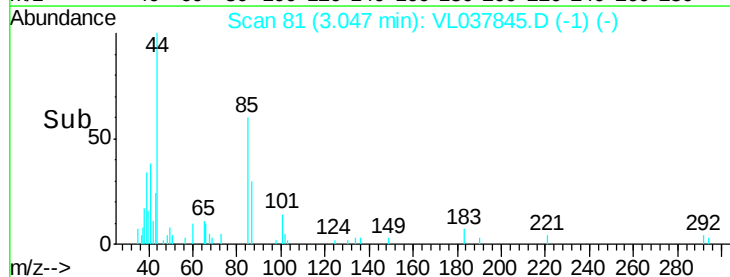
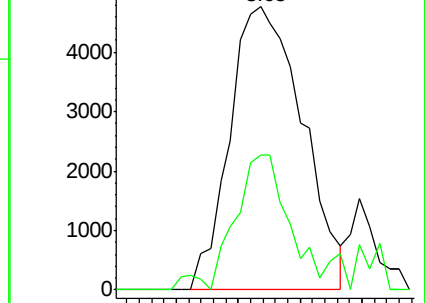
85 100

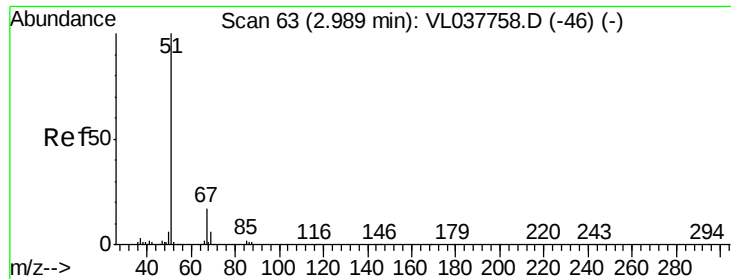
87 42.5 25.7 38.5#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.051 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA.L

Lab File: ClientSampleId:

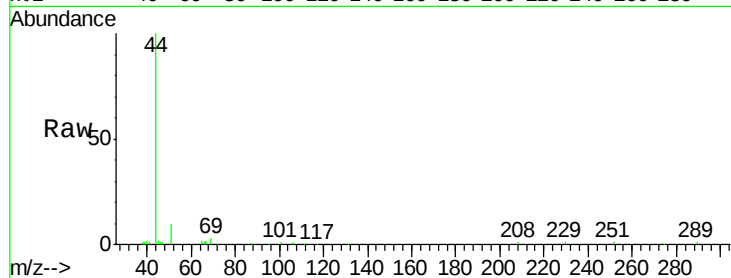
Acq: 13 Oct 2021 1:08

Tgt Ion: 51 Resp: 12651

Ion Ratio Lower Upper

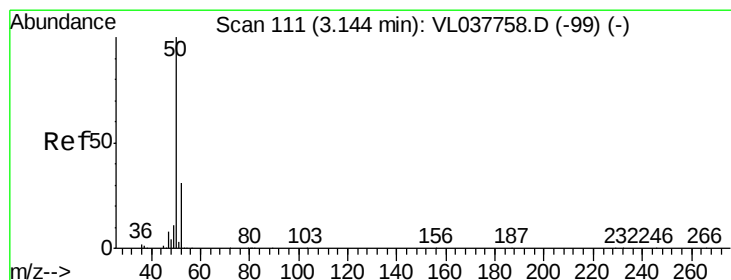
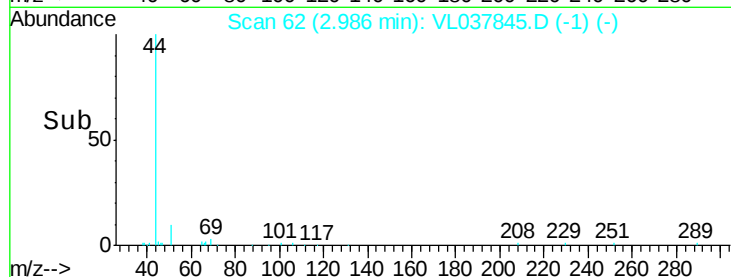
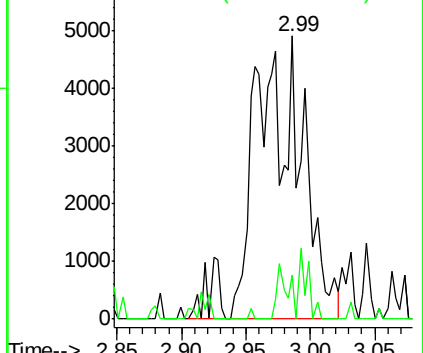
51 100

67 9.2 13.5 20.3#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.029 ppbv

RT: 3.13 min Scan# 108

Delta R.T. -0.01 min

Lab File: VL037845.D

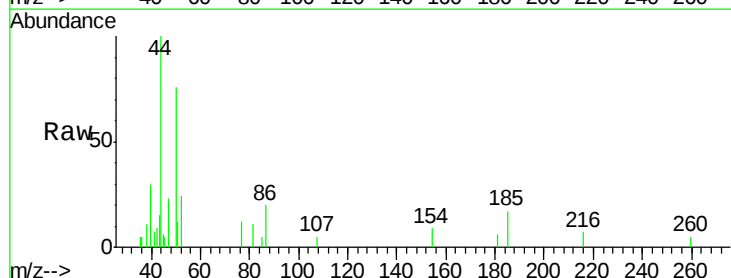
Acq: 13 Oct 2021 1:08

Tgt Ion: 50 Resp: 2650

Ion Ratio Lower Upper

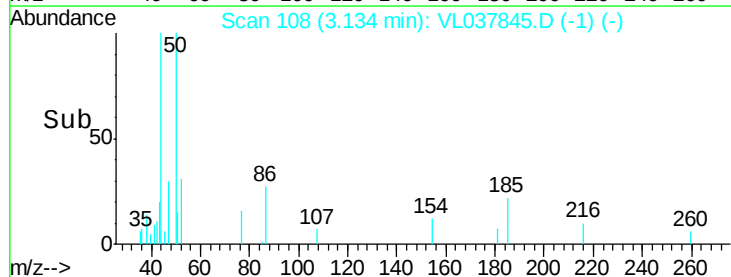
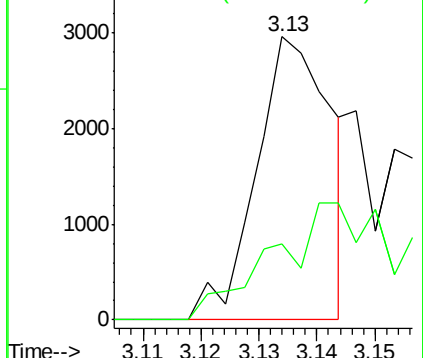
50 100

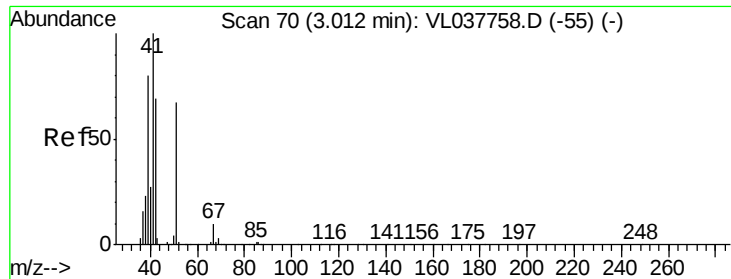
52 26.8 24.4 36.6



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.075 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

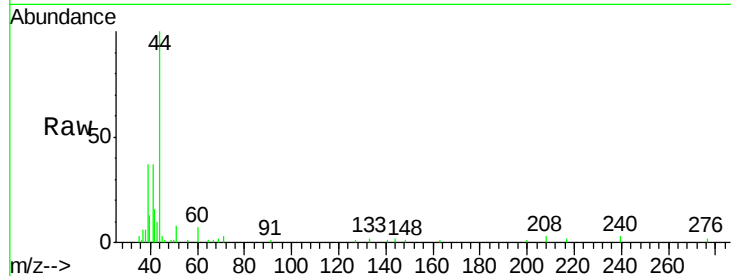
Acq: 13 Oct 2021 1:08

Tgt Ion: 41 Resp: 6877

Ion Ratio Lower Upper

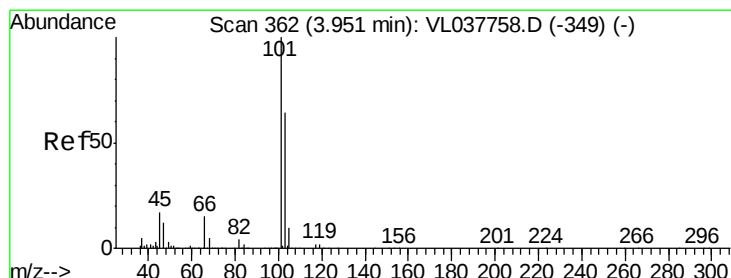
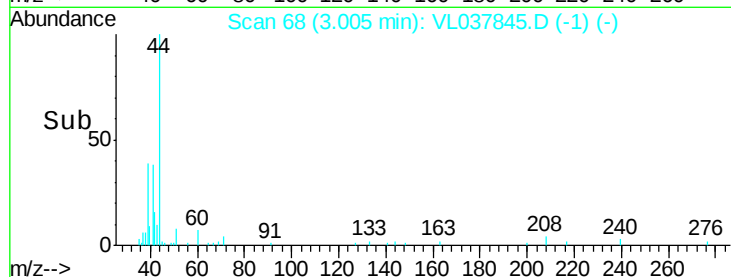
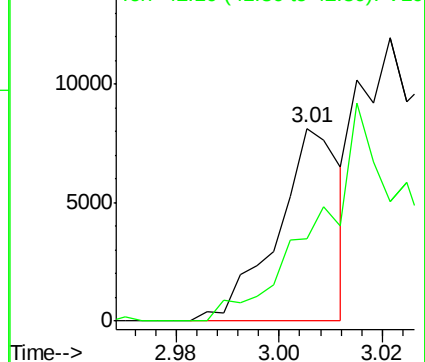
41 100

42 0.0 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: 0.028 ppbv

RT: 3.95 min Scan# 362

Delta R.T. 0.00 min

Lab File: VL037845.D

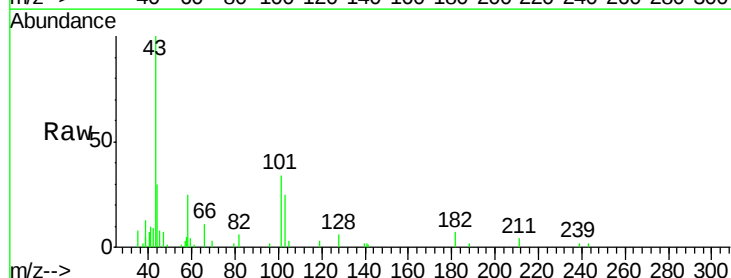
Acq: 13 Oct 2021 1:08

Tgt Ion: 101 Resp: 5118

Ion Ratio Lower Upper

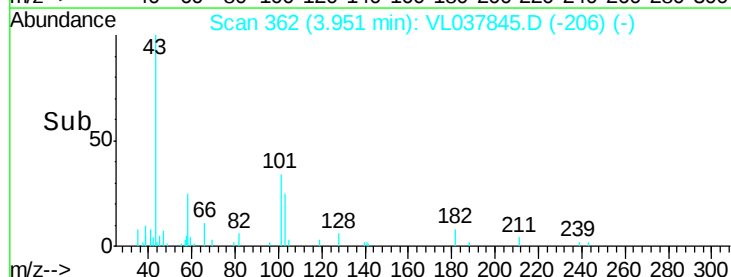
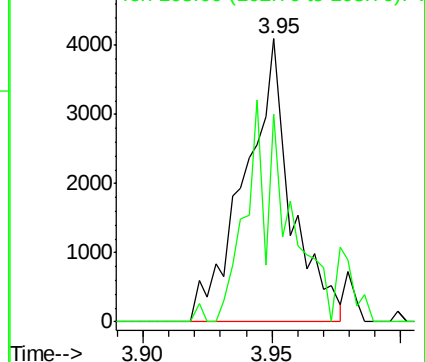
101 100

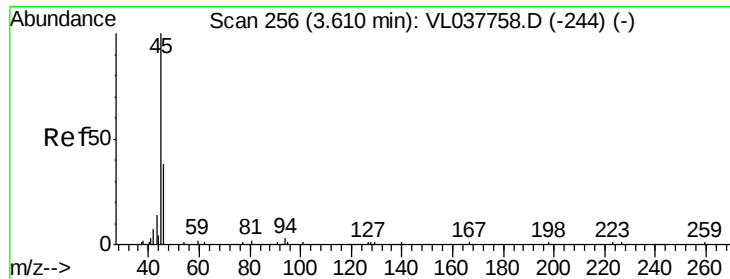
103 73.3 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): V

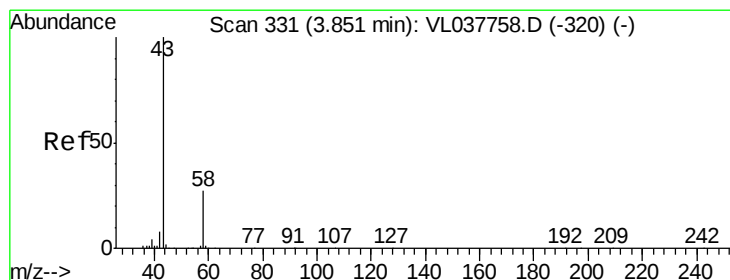
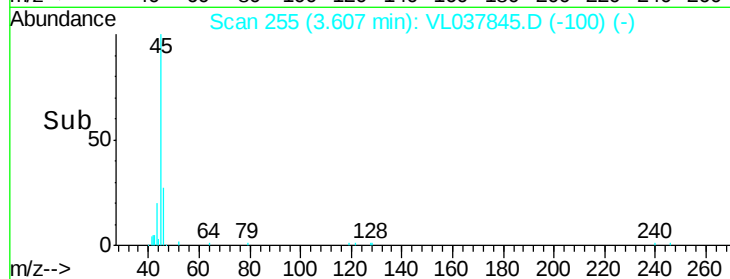
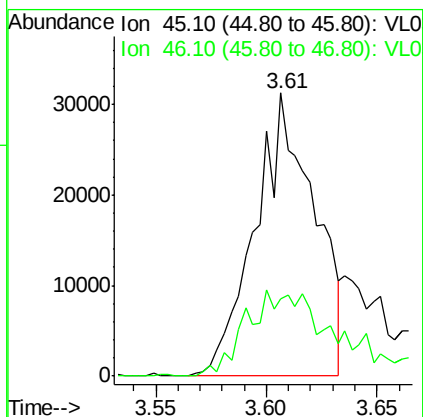
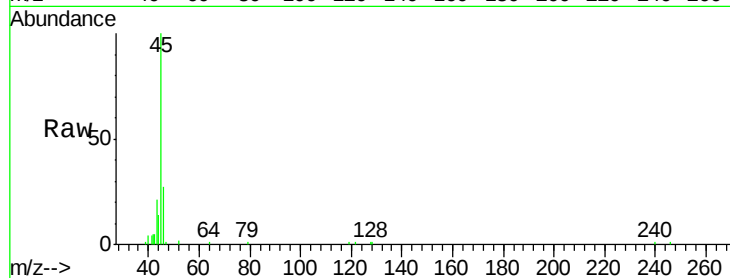
Ion 103.00 (102.70 to 103.70): V





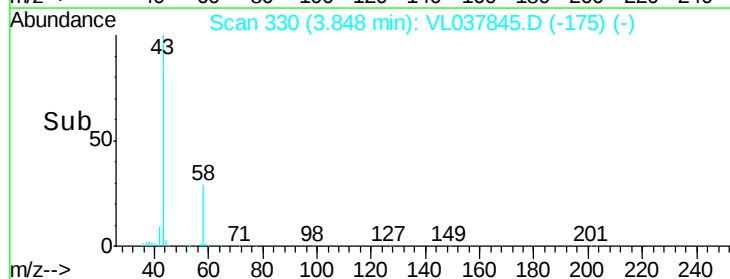
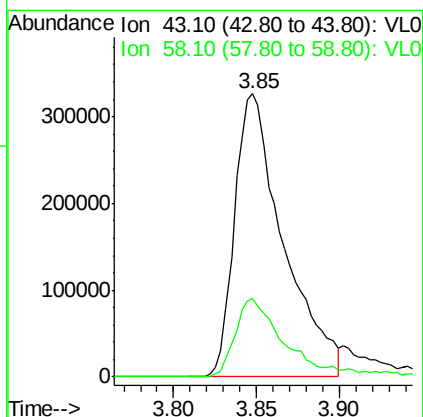
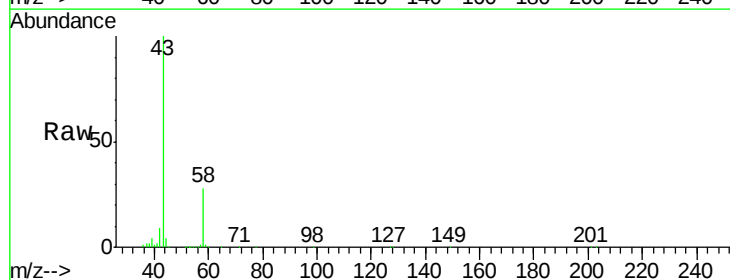
#13
Ethanol
Concen: 7.742 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId:
Acq: 13 Oct 2021 1:08

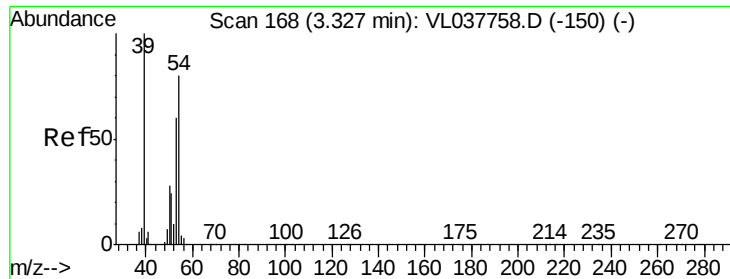
Tgt Ion: 45 Resp: 58278
Ion Ratio Lower Upper
45 100
46 51.5 20.2 81.0



#15
Acetone
Concen: 5.711 ppbv
RT: 3.85 min Scan# 330
Delta R.T. -0.00 min
Lab File: VL037845.D
Acq: 13 Oct 2021 1:08

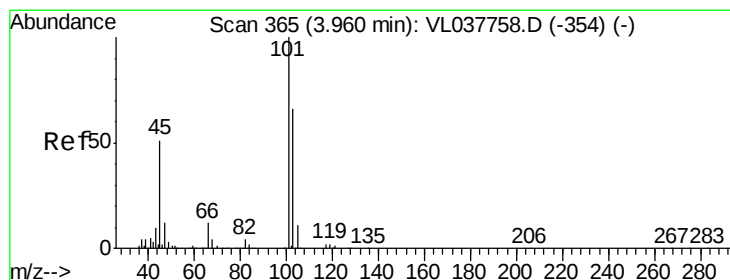
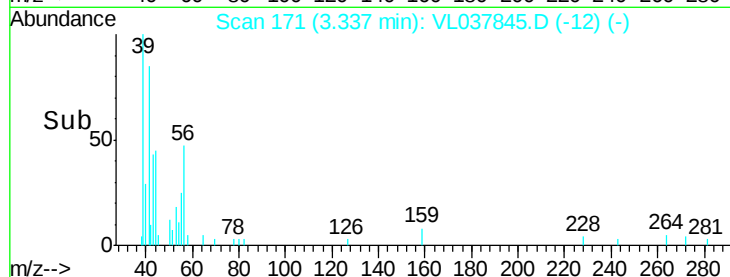
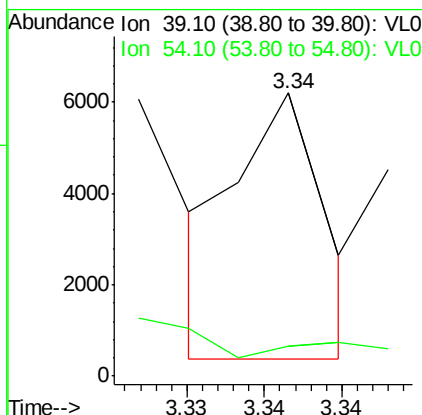
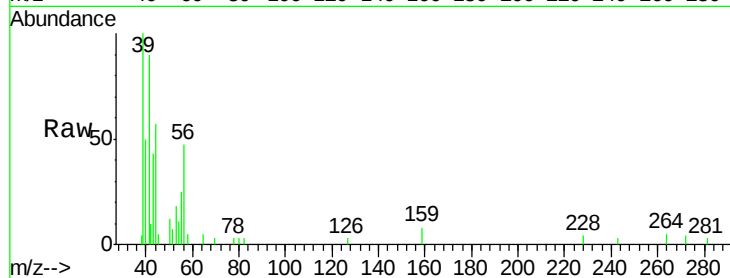
Tgt Ion: 43 Resp: 667382
Ion Ratio Lower Upper
43 100
58 30.2 23.0 34.6





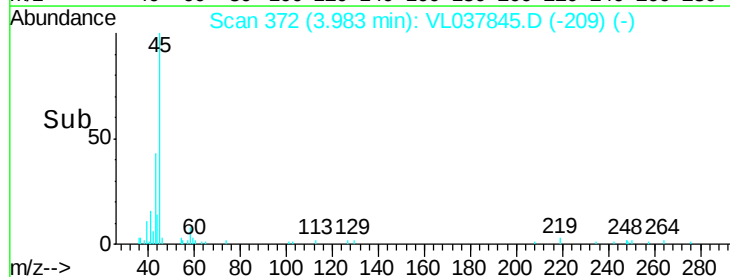
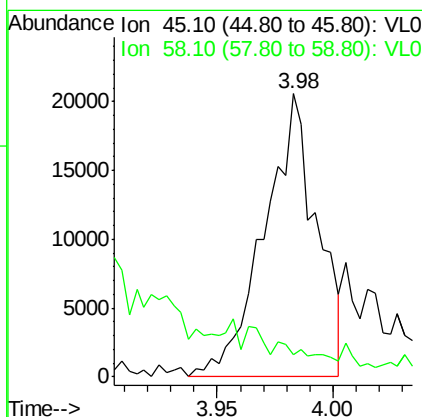
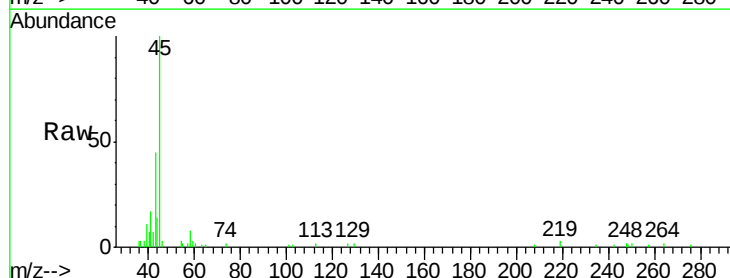
#16
 1,3-Butadiene
 Concen: 0.027 ppbv
 RT: 3.34
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 13 Oct 2021 1:08

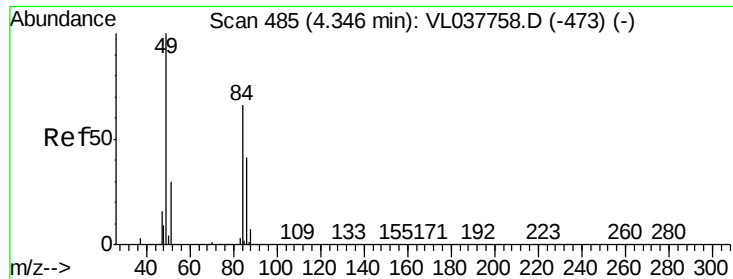
Tgt Ion: 39 Resp: 2307
 Ion Ratio Lower Upper
 39 100
 54 0.0 61.7 92.5#



#19
 Isopropyl Alcohol
 Concen: 0.444 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.02 min
 Lab File: VL037845.D
 Acq: 13 Oct 2021 1:08

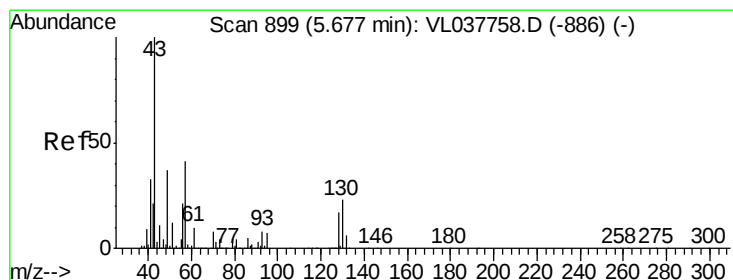
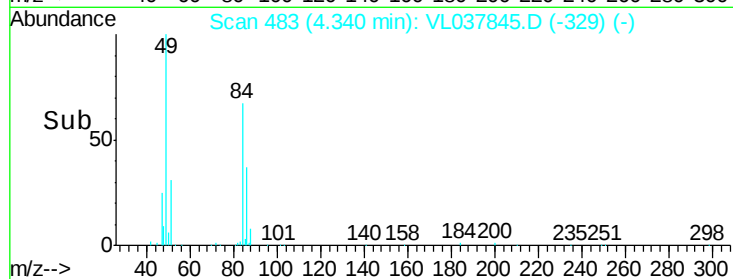
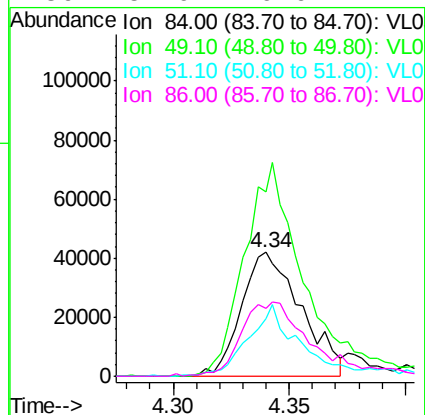
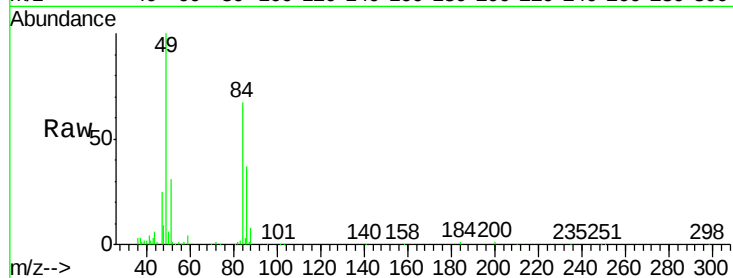
Tgt Ion: 45 Resp: 32299
 Ion Ratio Lower Upper
 45 100
 58 30.1 1.1 1.7#





#20
Methylene Chloride
Concen: 1.258 ppbv
RT: 4.34
Delta R.T.:
Lab File: ClientSampleId :
Acq: 13 Oct 2021 1:08

Tgt Ion:	84	Resp:	74313
Ion	Ratio	Lower	Upper
84	100		
49	149.1	120.7	181.1
51	45.9	36.2	54.4
86	54.9	49.6	74.4



#25
Ethyl Acetate
Concen: 0.441 ppbv
RT: 5.67 min Scan# 898
Delta R.T.: -0.00 min
Lab File: VL037845.D
Acq: 13 Oct 2021 1:08

Tgt Ion:	43	Resp:	144658
Ion	Ratio	Lower	Upper
43	100		
45	13.2	8.1	12.1#
61	11.9	7.5	11.3#
70	8.2	5.9	8.9

