

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022222\
 Data File : VL038390.D
 Acq On : 22 Feb 2022 15:41
 Operator : SY/AP
 Sample : N1606-03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 BG-TE

Quant Time: Feb 23 07:03:54 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Feb 22 19:45:51 2022
 QLast Update : Tue Feb 22 19:45:51 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	841847	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.17	114	2025769	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.08	117	1730255	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1374048	9.60	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.00%

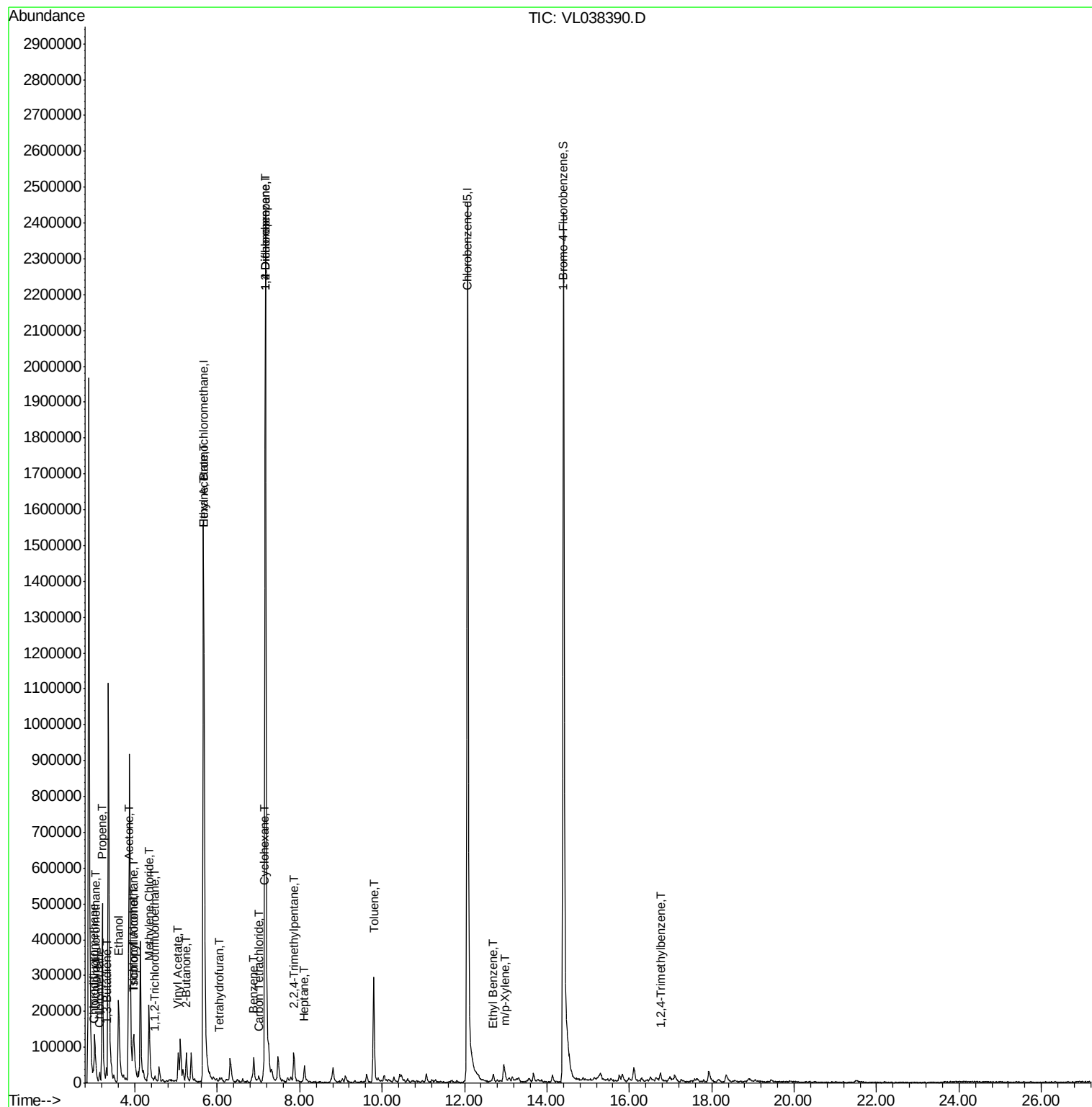
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	11278	0.08	ppbv	99
3) Chlorodifluoromethane	2.99	51	37119	0.25	ppbv	92
4) Chloromethane	3.14	50	17346	0.34	ppbv	91
9) Propene	3.20	41	155424	3.17	ppbv	94
10) Heptane	8.11	43	21320	0.18	ppbv	94
11) Trichlorofluoromethane	3.95	101	42842	0.34	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.48	101	3556	0.04	ppbv #	37
13) Ethanol	3.61	45	345316	70.50	ppbv	88
15) Acetone	3.85	43	364523	5.09	ppbv #	72
16) 1,3-Butadiene	3.32	39	2578	0.05	ppbv #	12
19) Isopropyl Alcohol	3.97	45	134738	3.25	ppbv #	86
20) Methylene Chloride	4.34	84	82603	2.33	ppbv	90
23) Vinyl Acetate	5.06	43	45818	0.48	ppbv #	26
25) Ethyl Acetate	5.68	43	155162	0.81	ppbv #	81
26) Hexane	5.68	57	208173	2.39	ppbv #	44
30) Cyclohexane	7.13	84	2219	0.03	ppbv #	1
34) 2-Butanone	5.25	43	95580	1.50	ppbv #	87
35) Carbon Tetrachloride	7.01	117	5129	0.04	ppbv	87
36) Benzene	6.89	78	52880	0.30	ppbv #	88
39) 1,2-Dichloropropane	7.17	63	531537	7.48	ppbv #	25
41) Tetrahydrofuran	6.05	42	2802	0.07	ppbv #	40
44) 2,2,4-Trimethylpentane	7.86	57	68653	0.22	ppbv #	85
53) Toluene	9.80	91	224920	1.16	ppbv	100
58) Ethyl Benzene	12.70	91	18259	0.08	ppbv	94
59) m/p-Xylene	12.99	91	6426	0.03	ppbv #	33
74) 1,2,4-Trimethylbenzene	16.75	105	8430	0.04	ppbv #	62

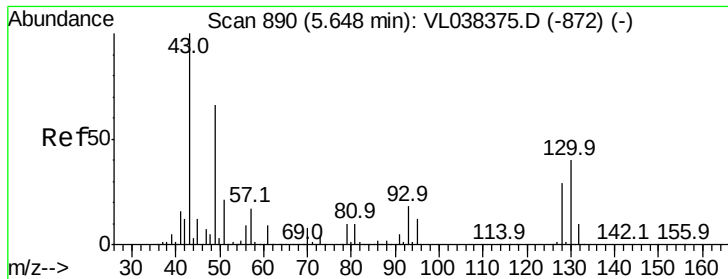
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: BG-TE

Acq: 22 Feb 2022 15:41

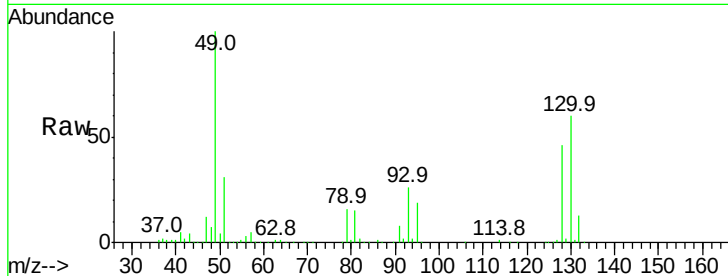
Tgt Ion: 49 Resp: 841847

Ion Ratio Lower Upper

49 100

128 47.5 24.3 72.9

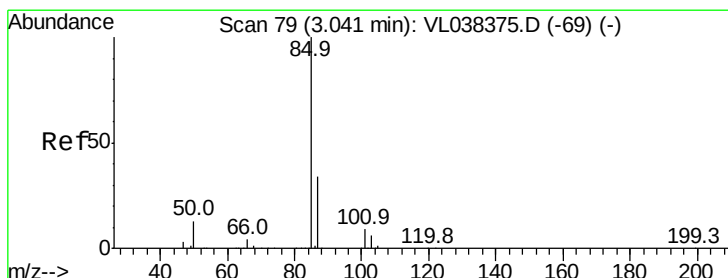
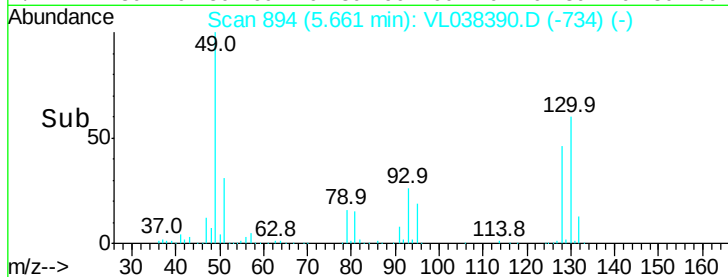
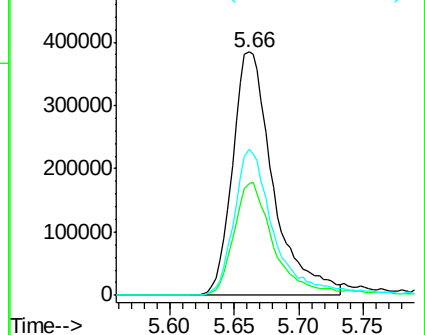
130 60.8 30.1 90.5



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



#2

Dichlorodifluoromethane

Concen: 0.08 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL038390.D

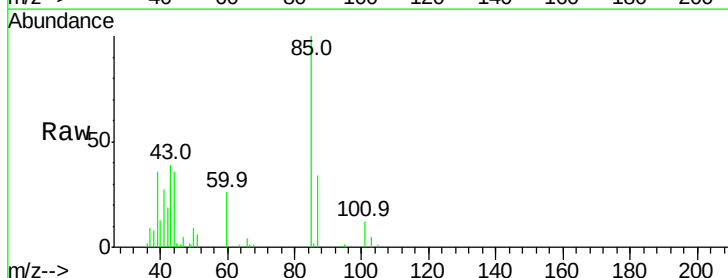
Acq: 22 Feb 2022 15:41

Tgt Ion: 85 Resp: 11278

Ion Ratio Lower Upper

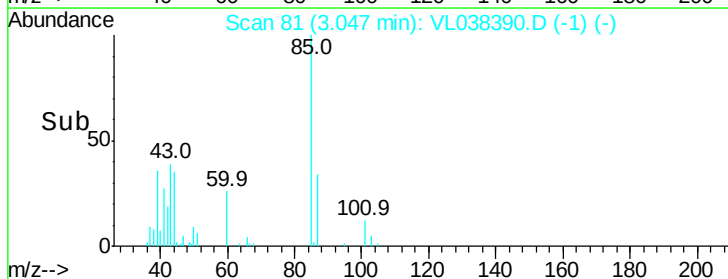
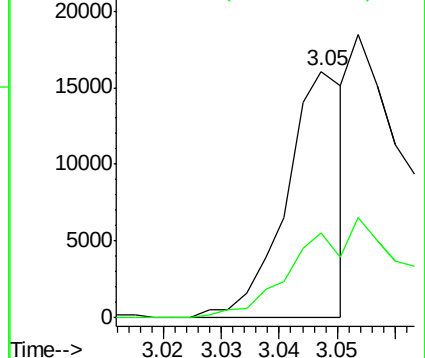
85 100

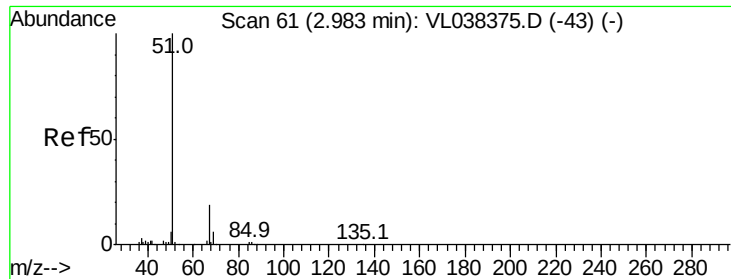
87 33.6 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.25 ppbv

RT: 2.99 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

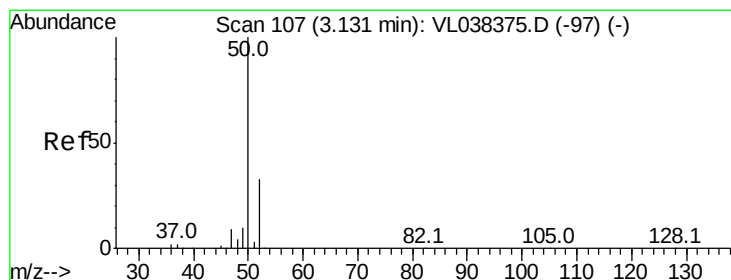
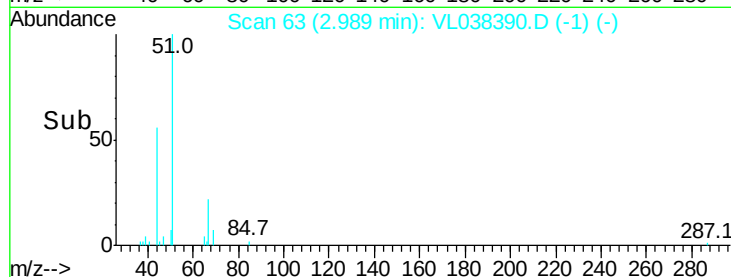
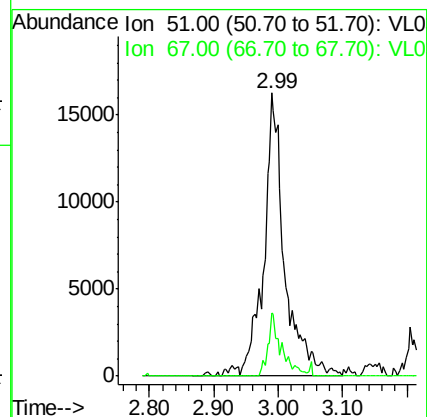
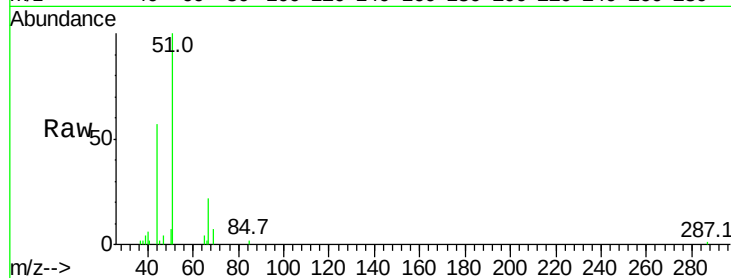
Acq: 22 Feb 2022 15:41 BG-TE

Tgt Ion: 51 Resp: 37119

Ion Ratio Lower Upper

51 100

67 14.9 14.7 22.1



#4

Chloromethane

Concen: 0.34 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL038390.D

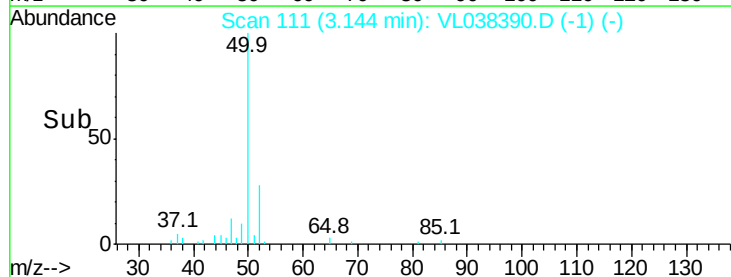
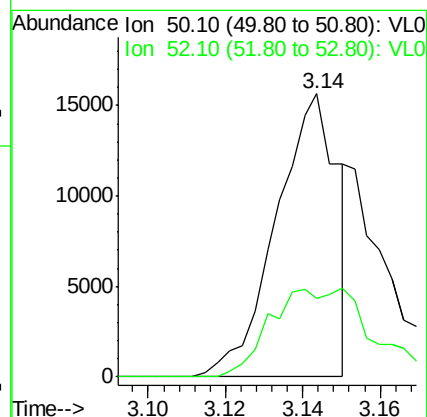
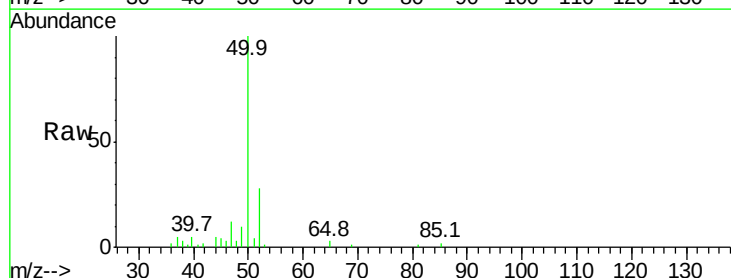
Acq: 22 Feb 2022 15:41

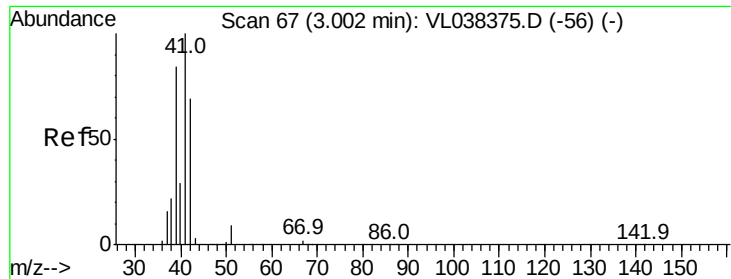
Tgt Ion: 50 Resp: 17346

Ion Ratio Lower Upper

50 100

52 27.9 26.5 39.7





#9

Propene

Concen: 3.17 ppbv

RT: 3.20 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

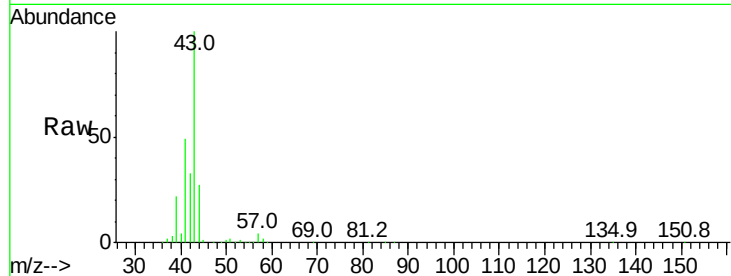
Acq: 22 Feb 2022 15:41 BG-TE

Tgt Ion: 41 Resp: 155424

Ion Ratio Lower Upper

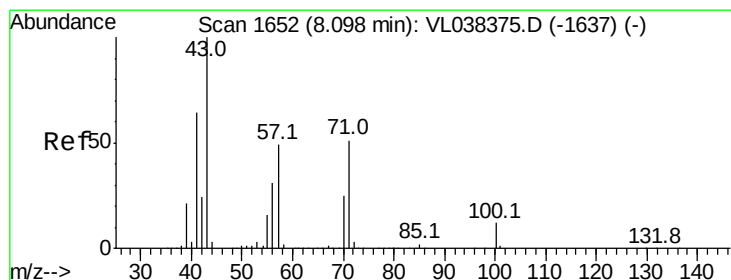
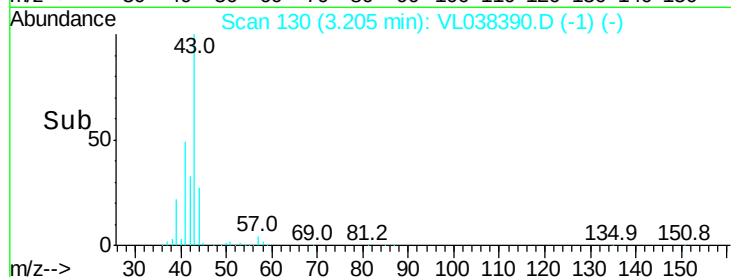
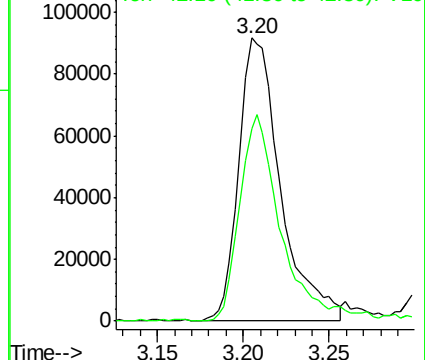
41 100

42 73.0 54.6 82.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.18 ppbv

RT: 8.11 min Scan# 1657

Delta R.T. 0.02 min

Lab File: VL038390.D

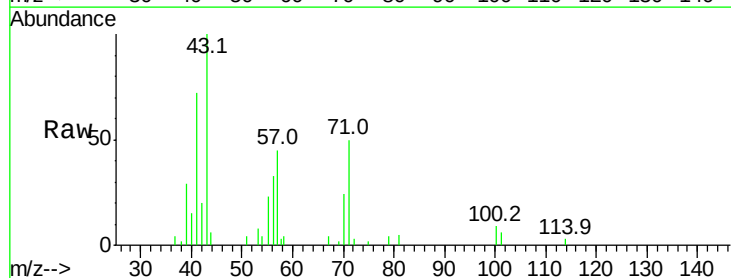
Acq: 22 Feb 2022 15:41

Tgt Ion: 43 Resp: 21320

Ion Ratio Lower Upper

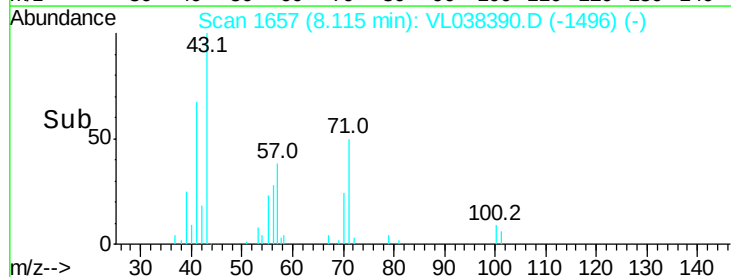
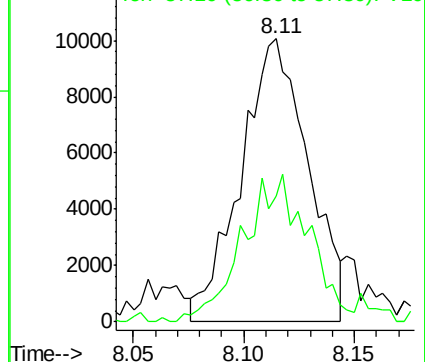
43 100

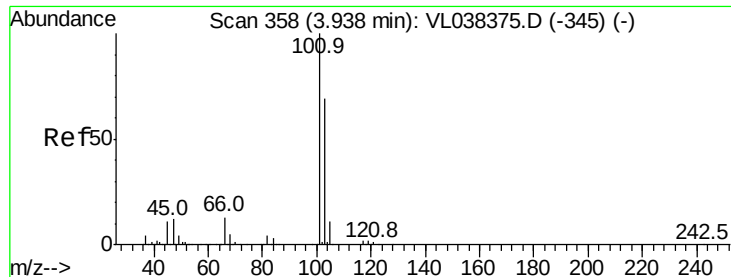
57 54.2 39.8 59.8



Abundance Ion 43.10 (42.80 to 43.80): VL0

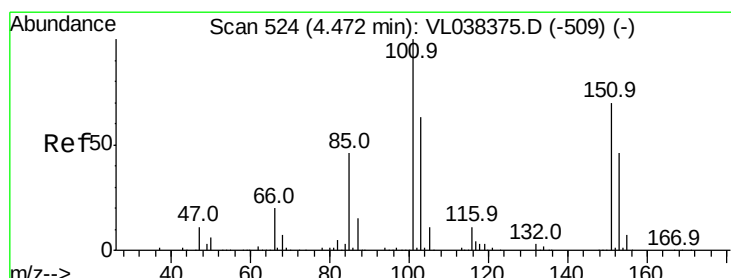
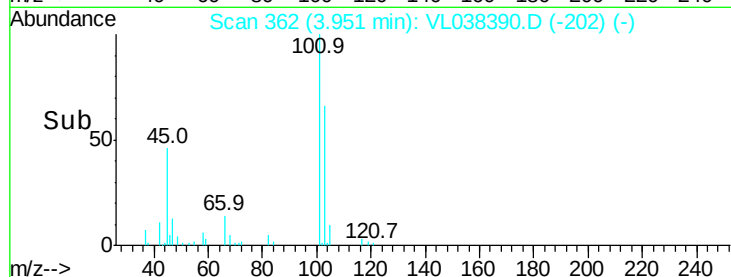
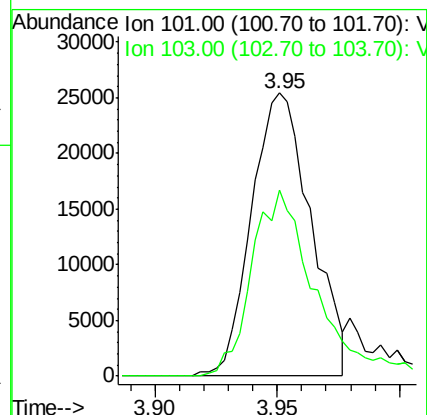
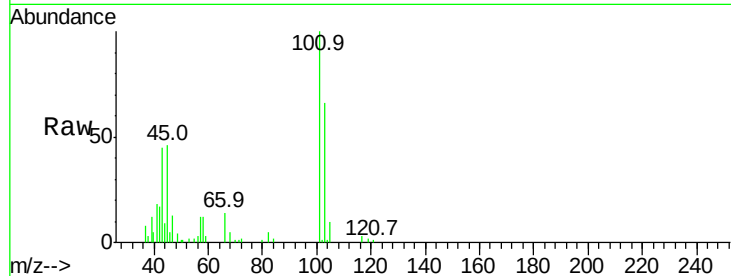
Ion 57.10 (56.80 to 57.80): VL0





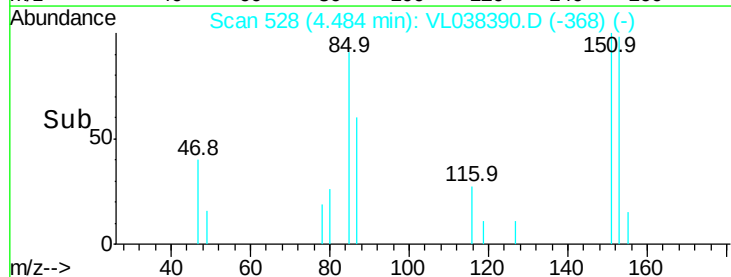
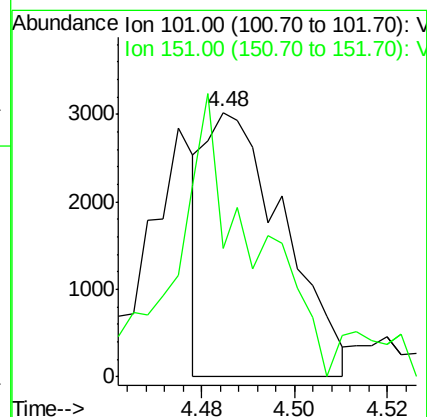
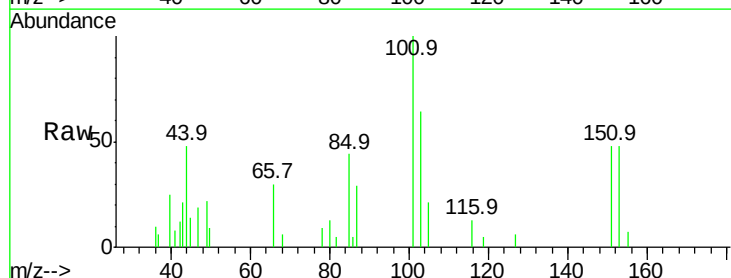
#11
 Trichlorofluoromethane
 Concen: 0.34 ppbv
 RT: 3.95
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 22 Feb 2022 15:41

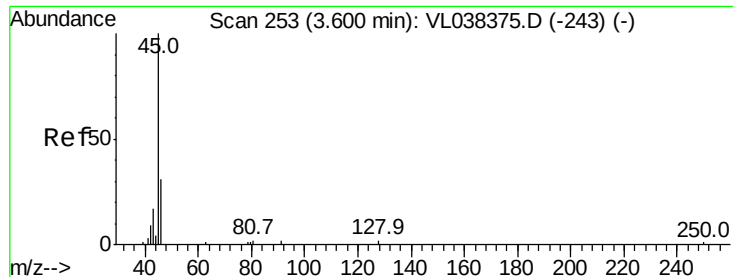
Tgt Ion:101 Resp: 42842
 Ion Ratio Lower Upper
 101 100
 103 65.7 55.0 82.4



#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.04 ppbv
 RT: 4.48 min Scan# 528
 Delta R.T. 0.01 min
 Lab File: VL038390.D
 Acq: 22 Feb 2022 15:41

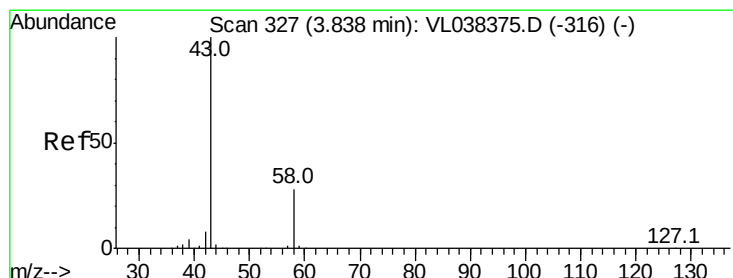
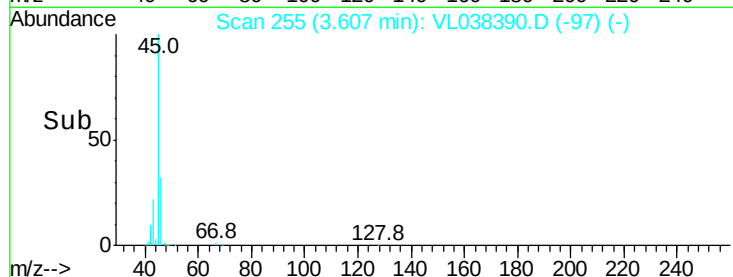
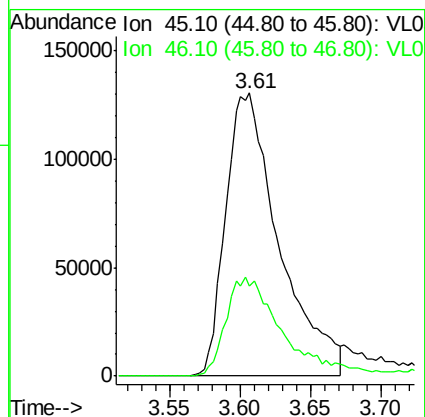
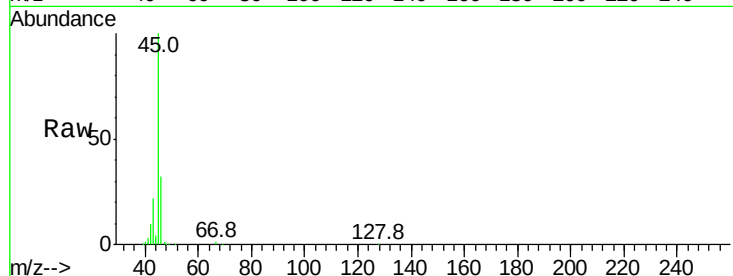
Tgt Ion:101 Resp: 3556
 Ion Ratio Lower Upper
 101 100
 151 121.5 55.9 83.9#





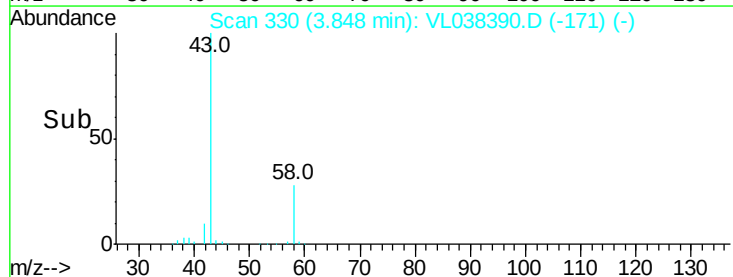
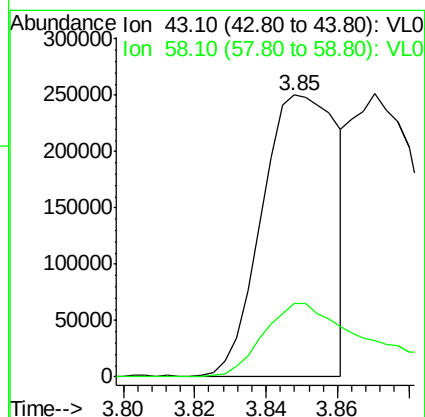
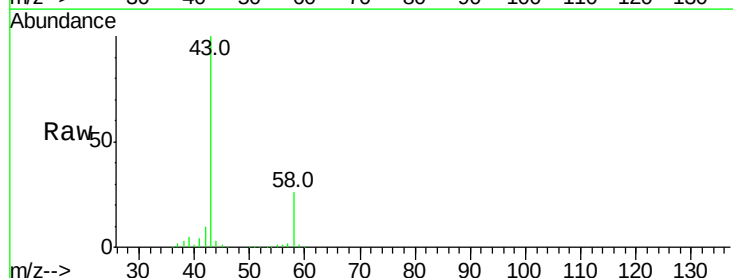
#13
Ethanol
Concen: 70.50 ppbv
RT: 3.61
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 22 Feb 2022 15:41

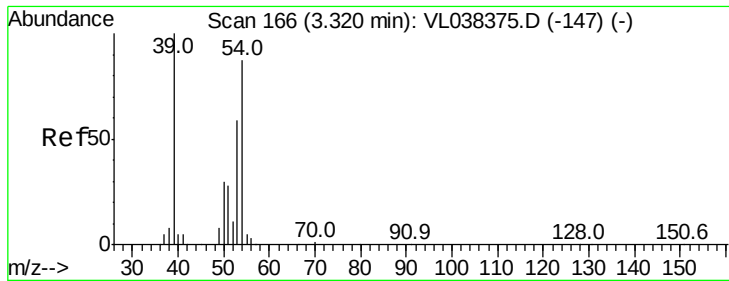
Tgt Ion: 45 Resp: 345316
Ion Ratio Lower Upper
45 100
46 37.6 18.2 72.8



#15
Acetone
Concen: 5.09 ppbv
RT: 3.85 min Scan# 330
Delta R.T. 0.01 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

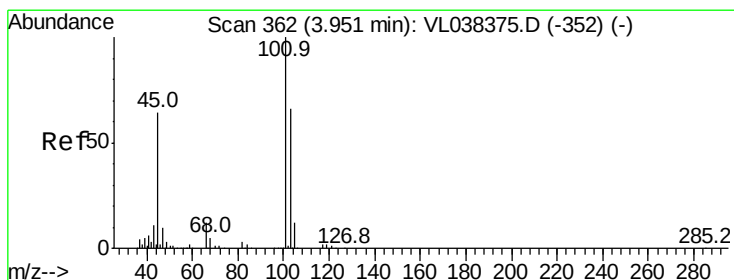
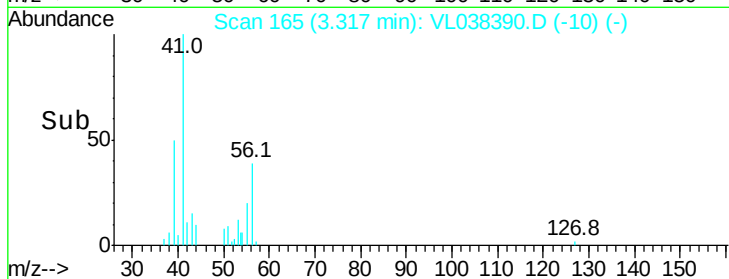
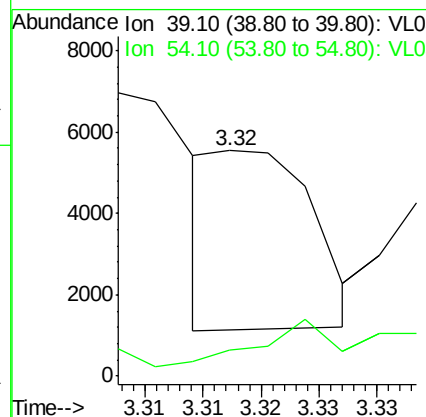
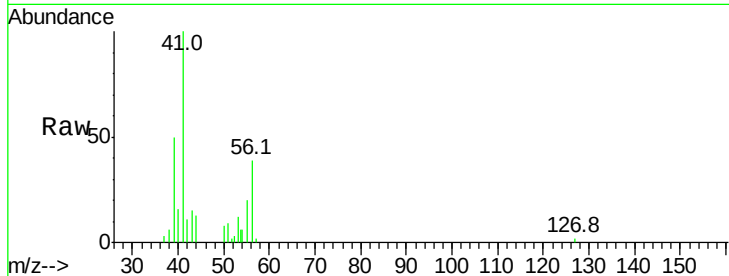
Tgt Ion: 43 Resp: 364523
Ion Ratio Lower Upper
43 100
58 41.4 21.7 32.5#





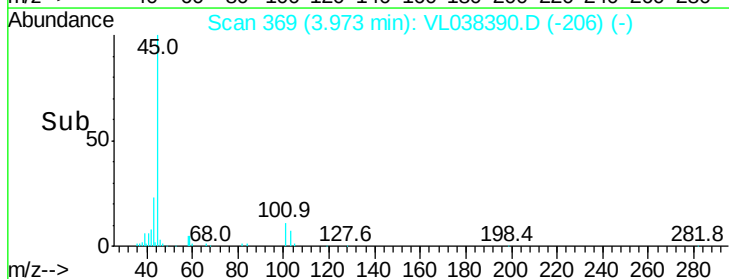
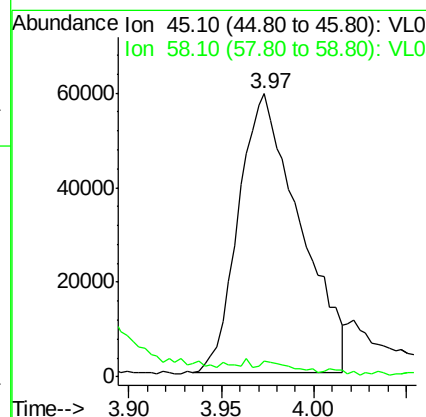
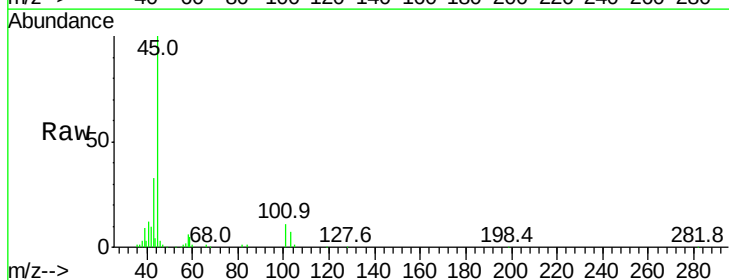
#16
 1,3-Butadiene
 Concen: 0.05 ppbv
 RT: 3.32
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 BG-TE
 Acq: 22 Feb 2022 15:41

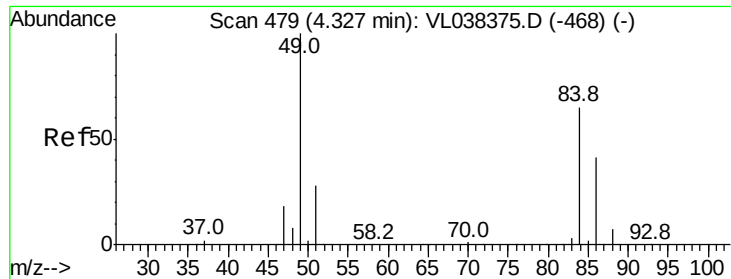
Tgt Ion: 39 Resp: 2578
 Ion Ratio Lower Upper
 39 100
 54 0.0 60.3 90.5#



#19
 Isopropyl Alcohol
 Concen: 3.25 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.02 min
 Lab File: VL038390.D
 Acq: 22 Feb 2022 15:41

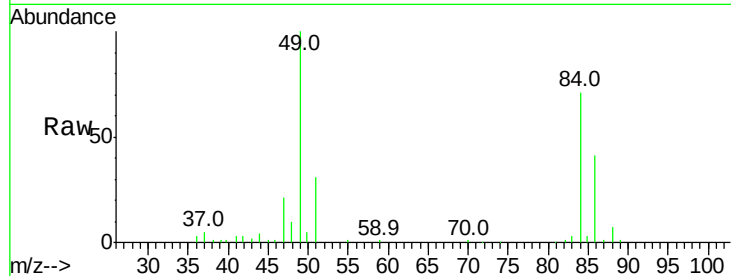
Tgt Ion: 45 Resp: 134738
 Ion Ratio Lower Upper
 45 100
 58 7.2 1.8 2.8#





#20
Methylene Chloride
Concen: 2.33 ppbv
RT: 4.34
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 22 Feb 2022 15:41

Tgt Ion:	84	Resp:	82603
Ion	Ratio	Lower	Upper
84	100		
49	137.3	122.4	183.6
51	42.5	33.3	49.9
86	55.9	50.7	76.1



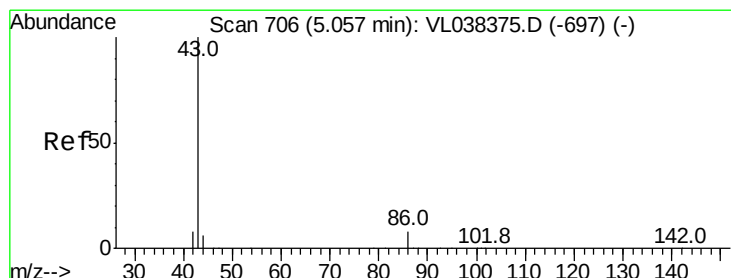
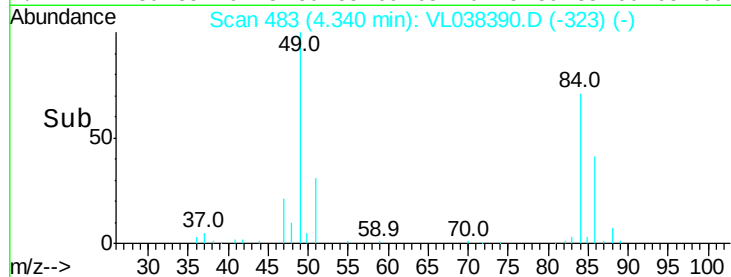
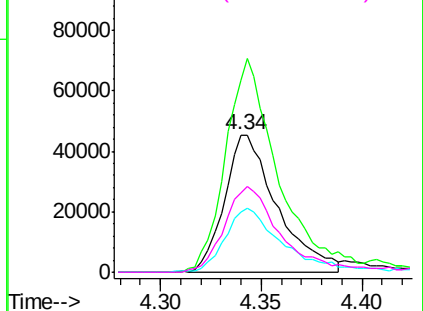
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

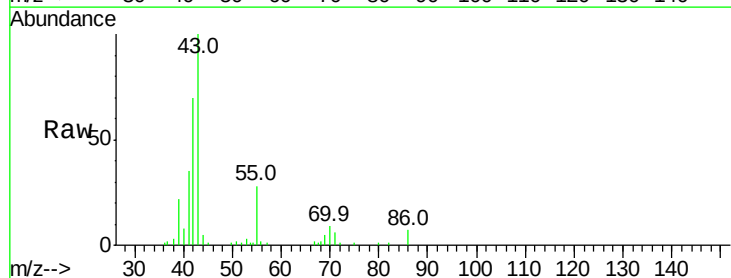
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23
Vinyl Acetate
Concen: 0.48 ppbv
RT: 5.06 min Scan# 707
Delta R.T.: 0.00 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

Tgt Ion:	43	Resp:	45818
Ion	Ratio	Lower	Upper
43	100		
86	6.8	5.8	8.6
42	68.8	7.4	11.0#
44	0.2	4.2	6.2#



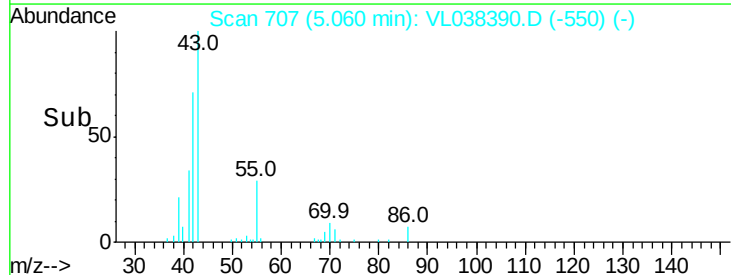
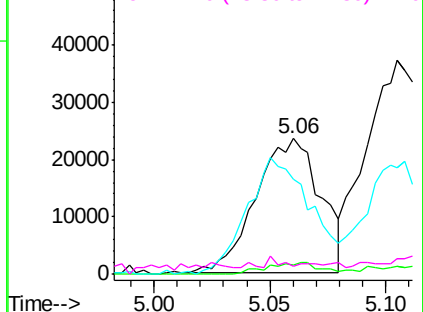
Abundance

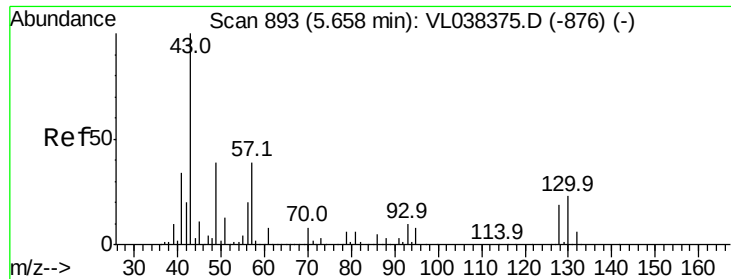
Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

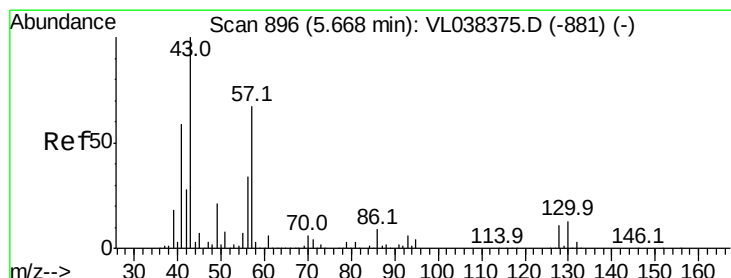
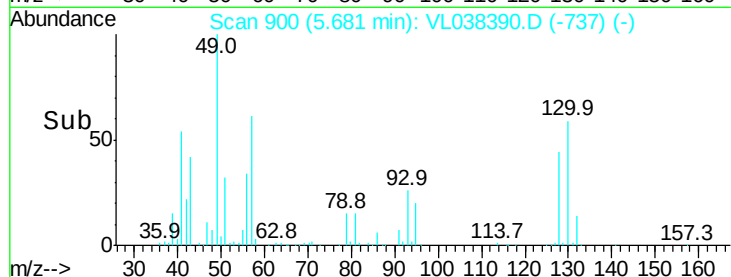
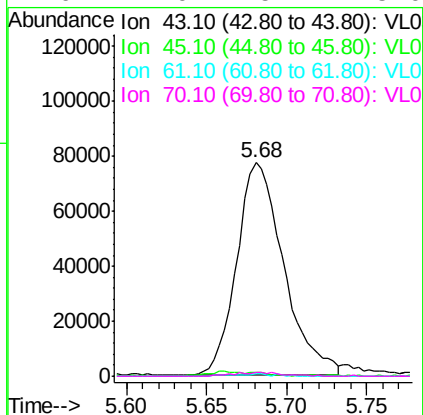
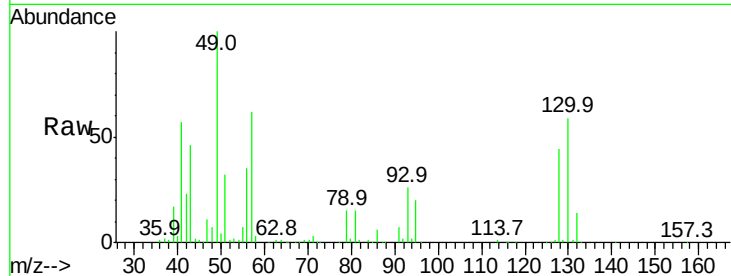
Ion 44.10 (43.80 to 44.80): VL0





#25
Ethyl Acetate
Concen: 0.81 ppbv
RT: 5.68
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 22 Feb 2022 15:41

Tgt Ion:	43	Resp:	155162
Ion	Ratio	Lower	Upper
43	100		
45	2.8	7.8	11.6#
61	1.0	7.5	11.3#
70	2.0	5.4	8.0#



#26
Hexane
Concen: 2.39 ppbv
RT: 5.68 min Scan# 900
Delta R.T.: 0.01 min
Lab File: VL038390.D
Acq: 22 Feb 2022 15:41

Tgt Ion:	57	Resp:	208173
Ion	Ratio	Lower	Upper
57	100		
41	96.4	73.1	109.7
43	79.0	181.0	271.4#
56	56.4	43.4	65.0

