

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL030922\
 Data File : VL038581.D
 Acq On : 9 Mar 2022 18:24
 Operator : SY/AP
 Sample : N1702-05
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 AA-1

Quant Time: Mar 10 00:34:12 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL030822AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Tue Mar 08 21:18:44 2022
 QLast Update : Tue Mar 08 21:18:44 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	826130	10.00	ppbv	0.01
33) 1,4-Difluorobenzene	7.18	114	2080761	10.00	ppbv	0.01
55) Chlorobenzene-d5	12.09	117	1804333	10.00	ppbv	0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	1338338	9.76	ppbv	0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

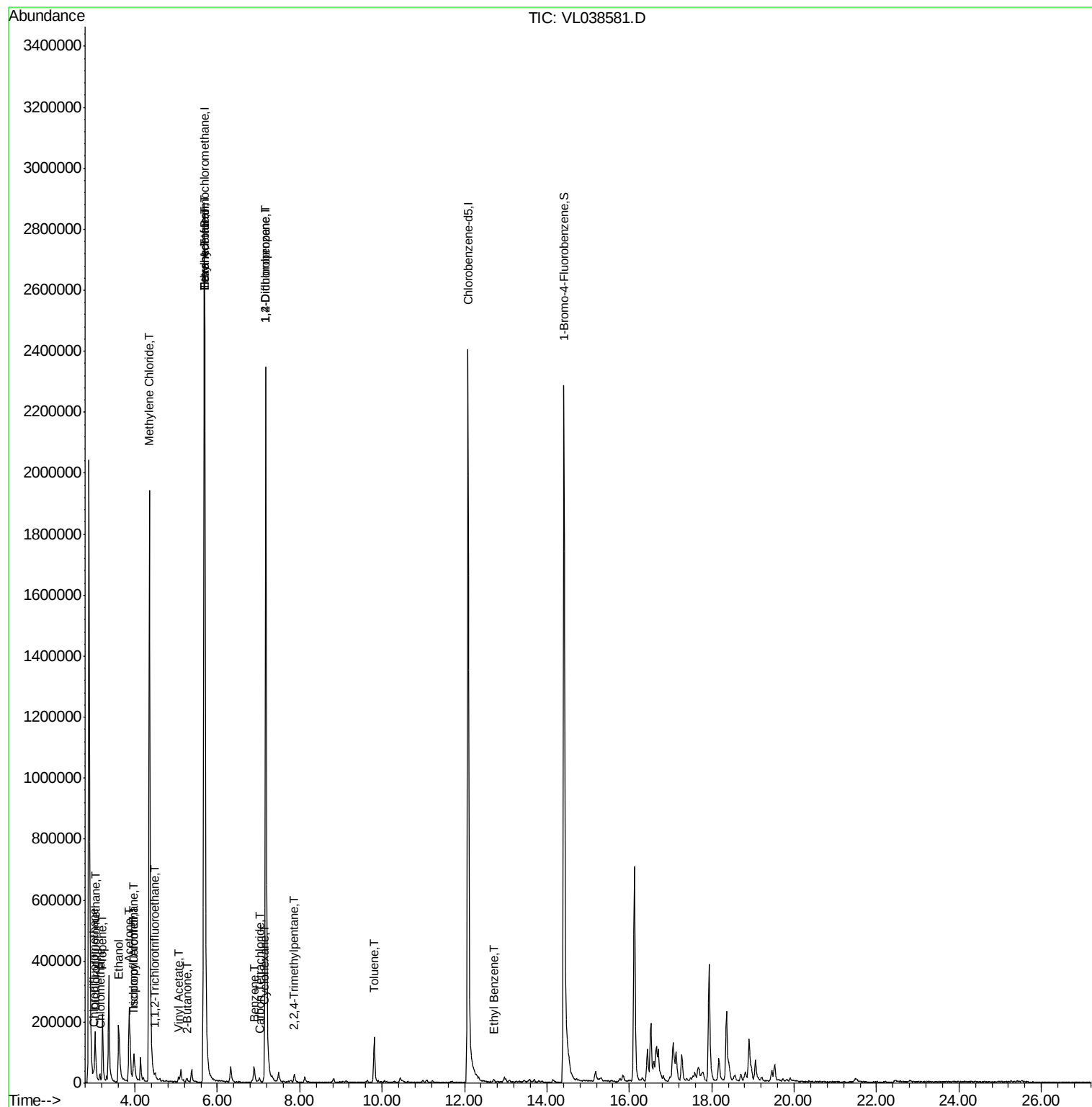
Target Compounds						Qvalue
2) Dichlorodifluoromethane	3.05	85	27530	0.22	ppbv	98
3) Chlorodifluoromethane	3.00	51	39572	0.27	ppbv #	90
4) Chloromethane	3.15	50	25628	0.47	ppbv	94
9) Propene	3.21	41	66783	1.30	ppbv	90
11) Trichlorofluoromethane	3.96	101	22463	0.21	ppbv	95
12) 1,1,2-Trichlorotrifluoroet	4.49	101	5017	0.06	ppbv	94
13) Ethanol	3.61	45	265742	45.01	ppbv	98
15) Acetone	3.85	43	336198	5.77	ppbv	99
19) Isopropyl Alcohol	3.98	45	99253	2.55	ppbv #	87
20) Methylene Chloride	4.35	84	906965	25.86	ppbv	96
23) Vinyl Acetate	5.07	43	7275	0.09	ppbv #	22
25) Ethyl Acetate	5.69	43	799891	4.08	ppbv #	77
26) Hexane	5.69	57	1119781	12.15	ppbv #	44
30) Cyclohexane	7.14	84	2997	0.04	ppbv #	1
34) 2-Butanone	5.26	43	8549	0.16	ppbv #	30
35) Carbon Tetrachloride	7.02	117	7773	0.05	ppbv #	91
36) Benzene	6.90	78	45976	0.24	ppbv #	95
39) 1,2-Dichloropropane	7.18	63	490827	6.80	ppbv #	26
41) Tetrahydrofuran	5.69	42	429338	9.73	ppbv #	50
44) 2,2,4-Trimethylpentane	7.87	57	20186	0.06	ppbv #	75
53) Toluene	9.81	91	119580	0.60	ppbv	97
58) Ethyl Benzene	12.71	91	7401	0.03	ppbv	93

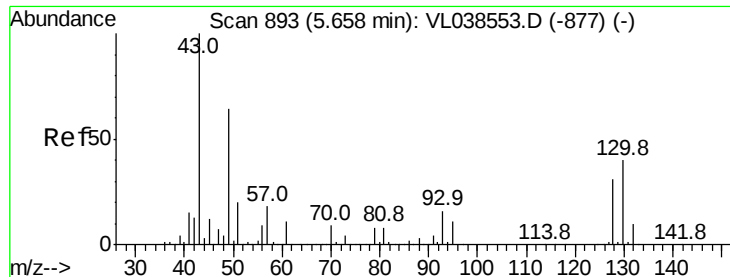
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 9 Mar 2022 18:24

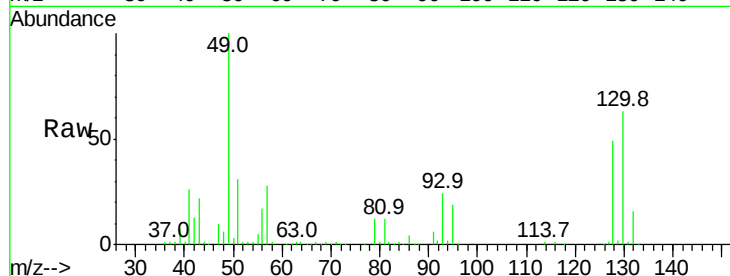
Tgt Ion: 49 Resp: 826130

Ion Ratio Lower Upper

49 100

128 51.6 26.4 79.2

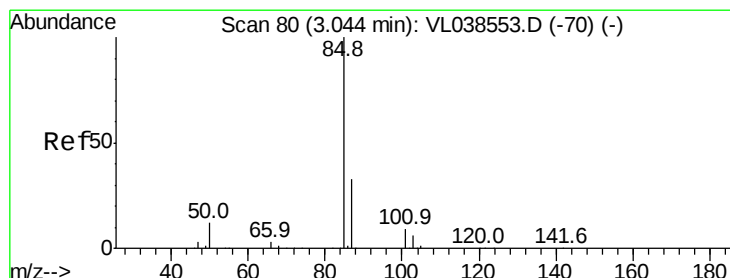
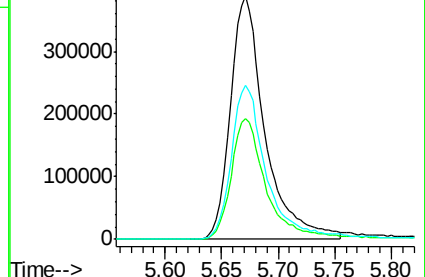
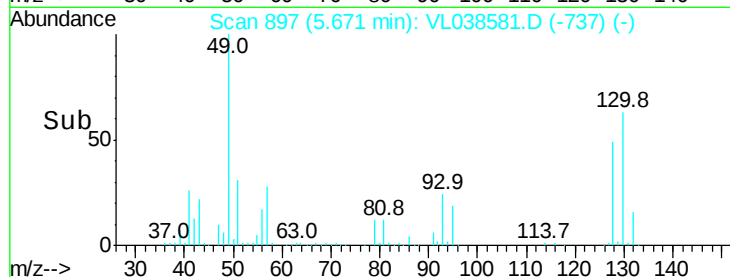
130 66.0 33.0 98.9



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: 0.22 ppbv

RT: 3.05 min Scan# 83

Delta R.T. 0.01 min

Lab File: VL038581.D

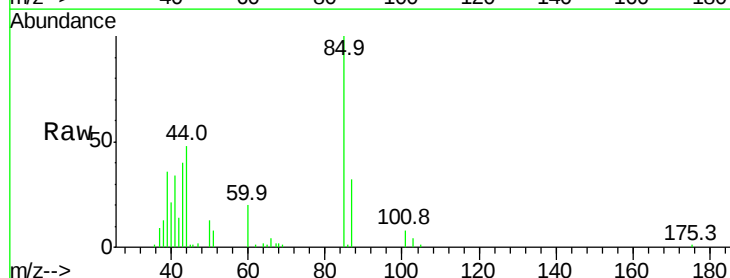
Acq: 9 Mar 2022 18:24

Tgt Ion: 85 Resp: 27530

Ion Ratio Lower Upper

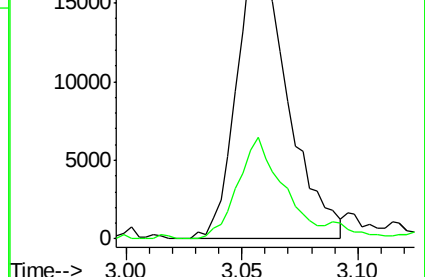
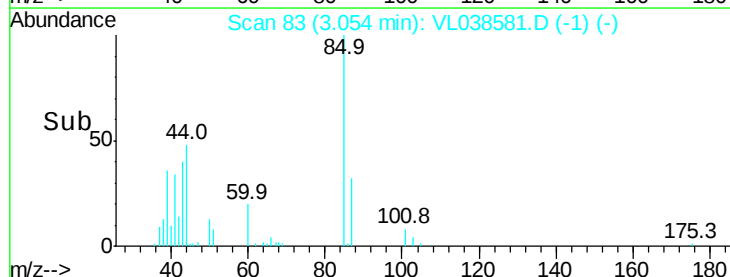
85 100

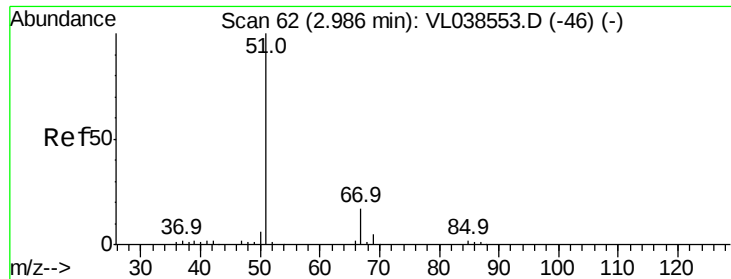
87 31.6 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.27 ppbv

RT: 3.00 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: AA-1

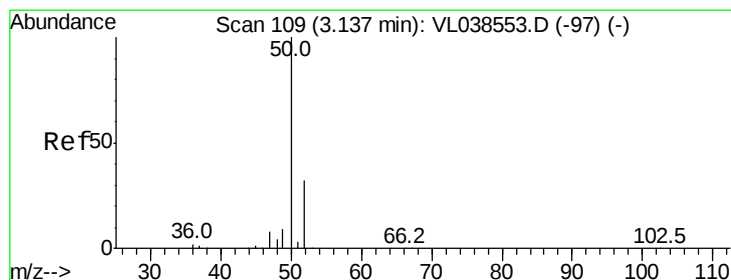
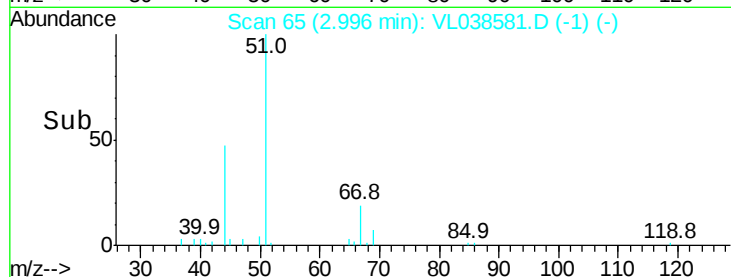
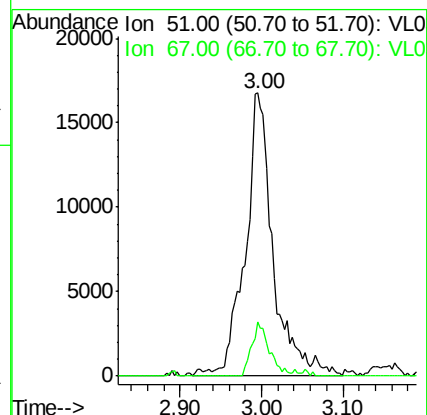
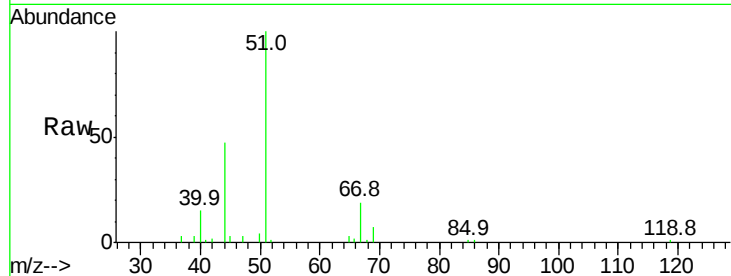
Acq: 9 Mar 2022 18:24

Tgt Ion: 51 Resp: 39572

Ion Ratio Lower Upper

51 100

67 12.8 13.6 20.4#



#4

Chloromethane

Concen: 0.47 ppbv

RT: 3.15 min Scan# 114

Delta R.T. 0.02 min

Lab File: VL038581.D

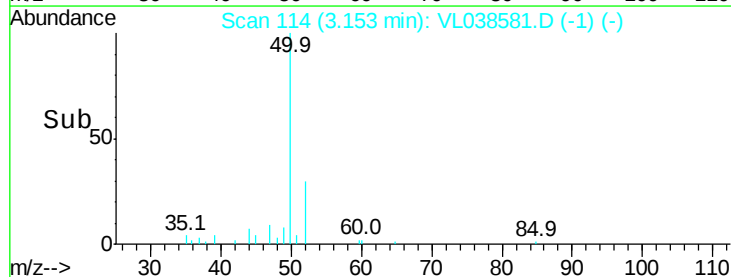
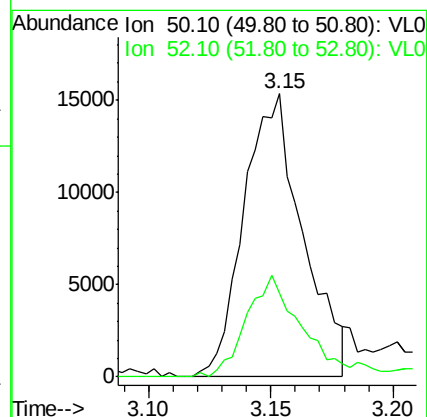
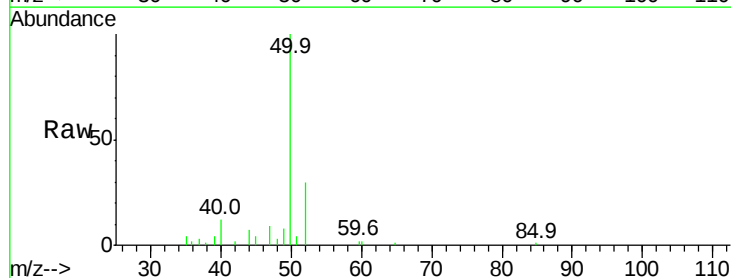
Acq: 9 Mar 2022 18:24

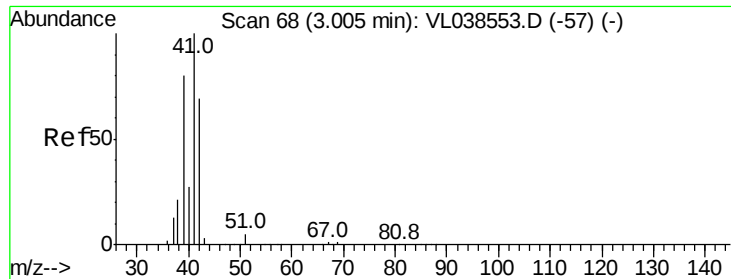
Tgt Ion: 50 Resp: 25628

Ion Ratio Lower Upper

50 100

52 28.5 25.6 38.4





#9

Propene

Concen: 1.30 ppbv

RT: 3.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

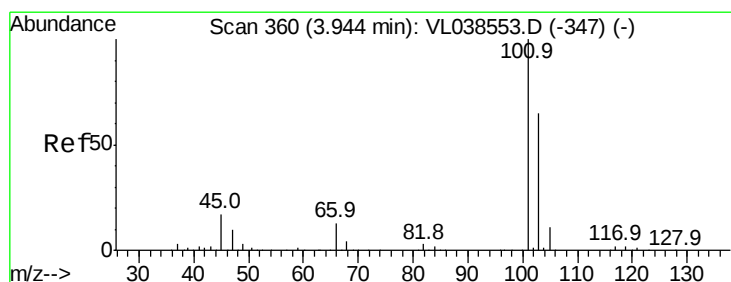
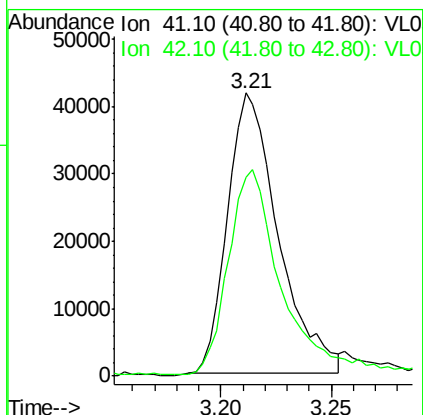
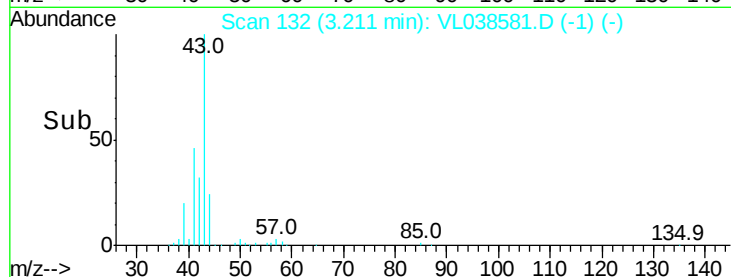
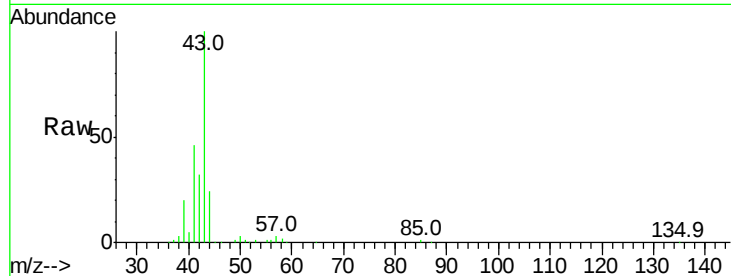
Acq: 9 Mar 2022 18:24

Tgt Ion: 41 Resp: 66783

Ion Ratio Lower Upper

41 100

42 78.1 55.7 83.5



#11

Trichlorofluoromethane

Concen: 0.21 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL038581.D

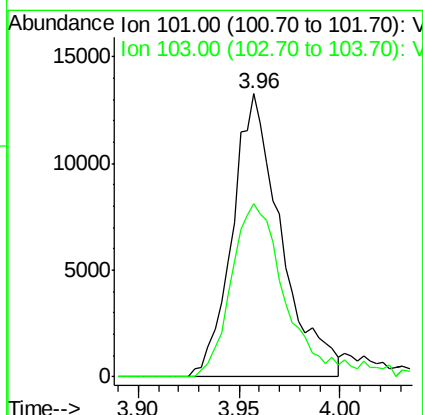
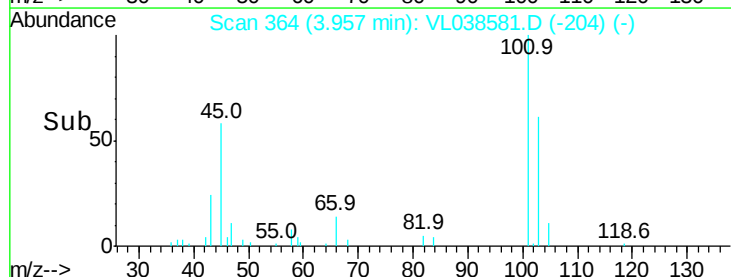
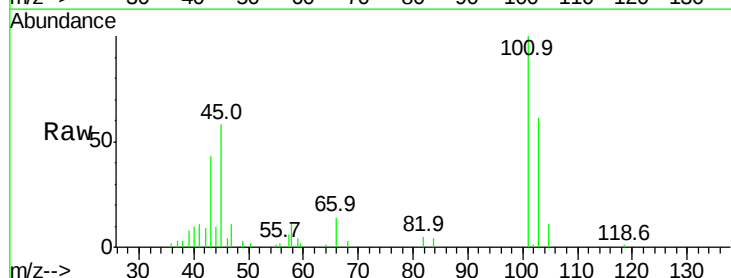
Acq: 9 Mar 2022 18:24

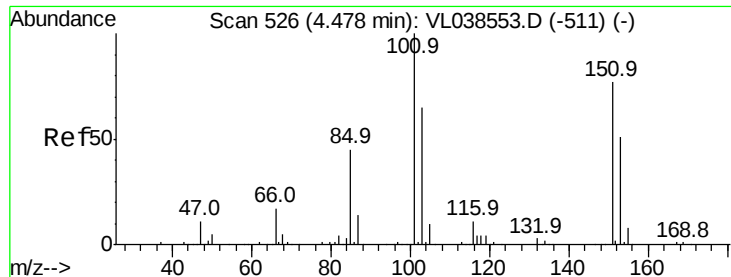
Tgt Ion: 101 Resp: 22463

Ion Ratio Lower Upper

101 100

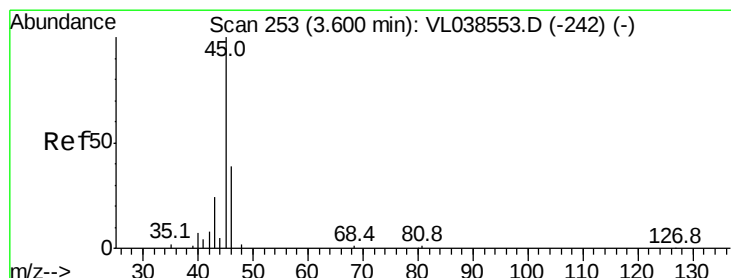
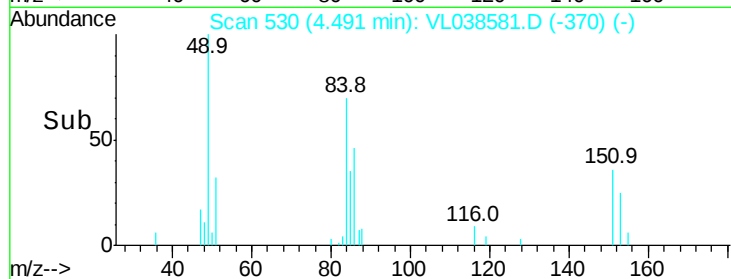
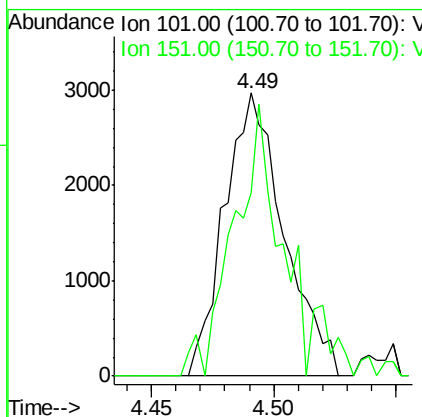
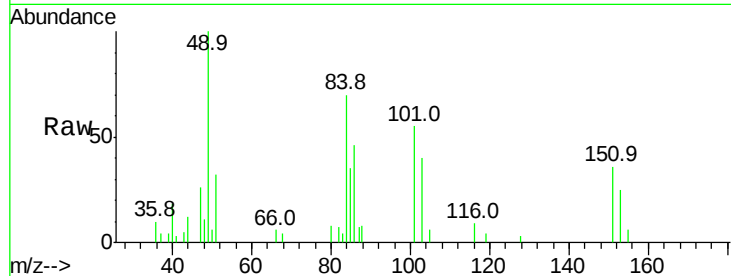
103 61.0 52.0 78.0





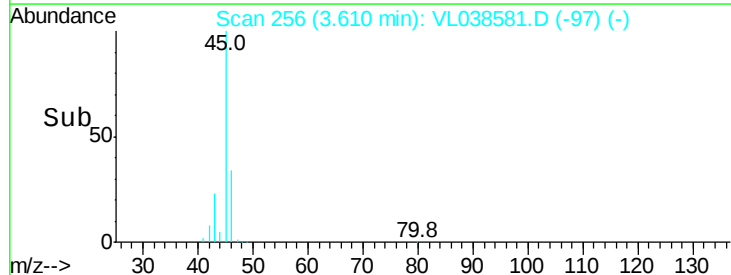
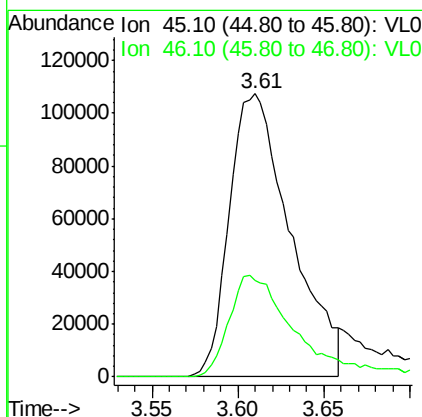
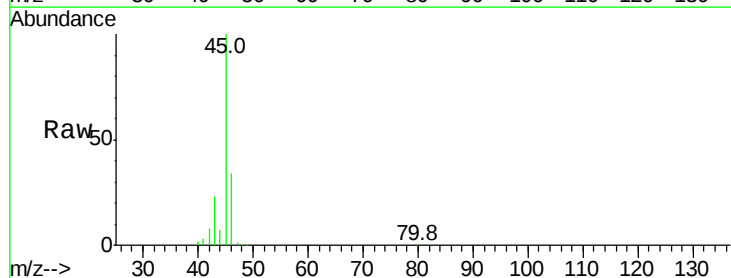
#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.06 ppbv
 RT: 4.49 Instrument : MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId : AA-1
 Acq: 9 Mar 2022 18:24

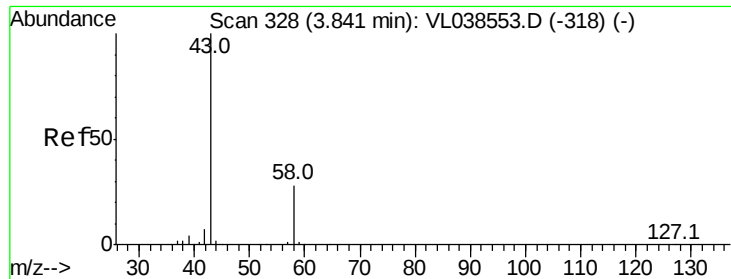
Tgt Ion: 101 Resp: 5017
 Ion Ratio Lower Upper
 101 100
 151 84.6 63.4 95.0



#13
 Ethanol
 Concen: 45.01 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL038581.D
 Acq: 9 Mar 2022 18:24

Tgt Ion: 45 Resp: 265742
 Ion Ratio Lower Upper
 45 100
 46 40.9 16.8 67.0





#15

Acetone

Concen: 5.77 ppbv

RT: 3.85 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: AA-1

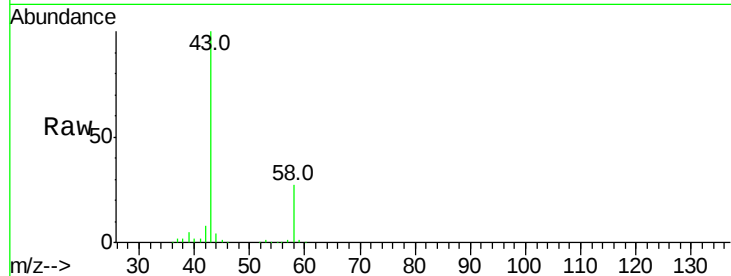
Acq: 9 Mar 2022 18:24

Tgt Ion: 43 Resp: 336198

Ion Ratio Lower Upper

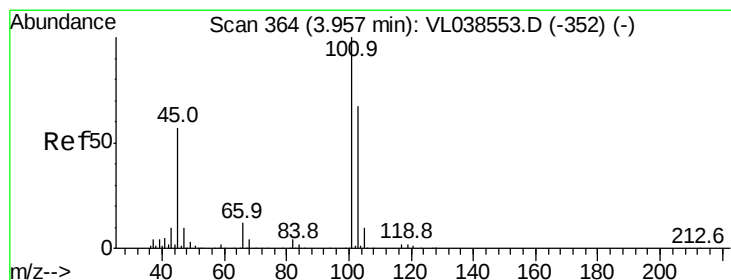
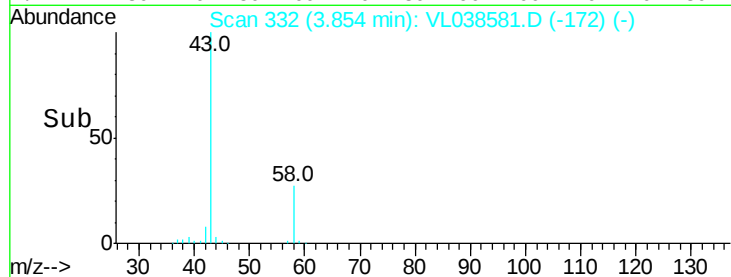
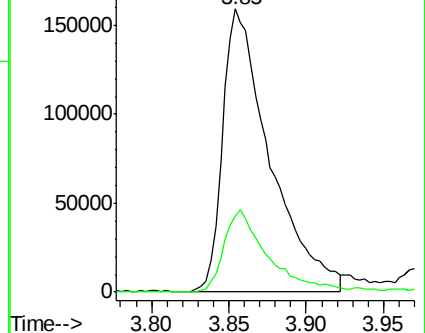
43 100

58 27.8 22.7 34.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#19

Isopropyl Alcohol

Concen: 2.55 ppbv

RT: 3.98 min Scan# 370

Delta R.T. 0.02 min

Lab File: VL038581.D

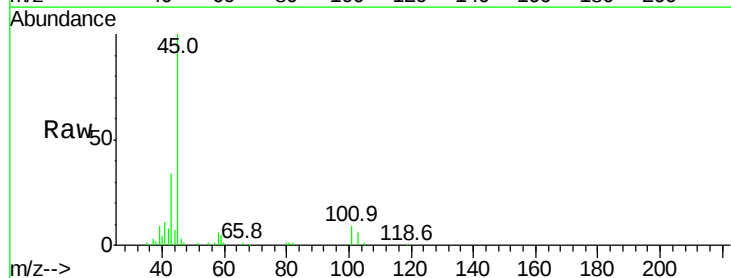
Acq: 9 Mar 2022 18:24

Tgt Ion: 45 Resp: 99253

Ion Ratio Lower Upper

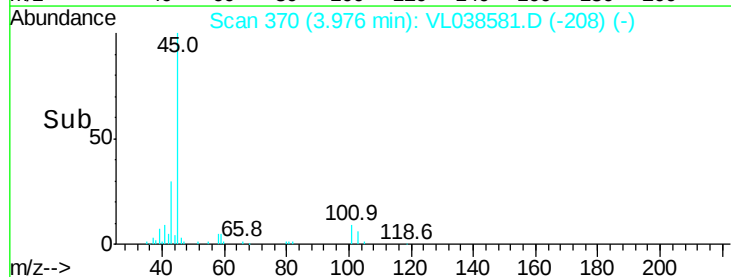
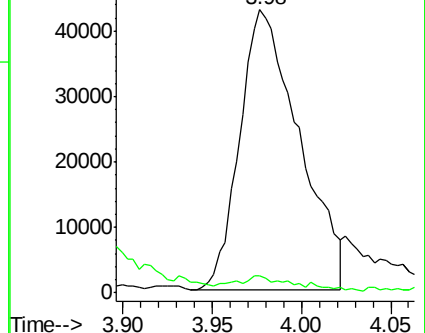
45 100

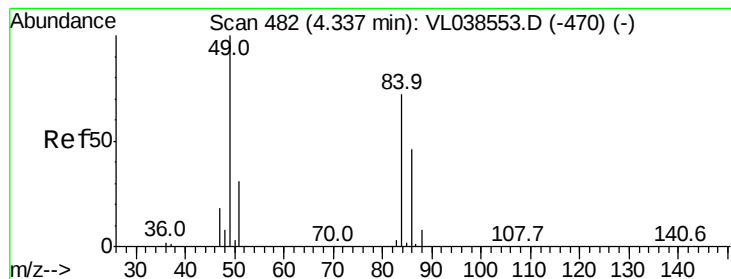
58 7.1 2.2 3.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#20

Methylene Chloride

Concen: 25.86 ppbv

RT: 4.35 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 9 Mar 2022 18:24

Tgt Ion: 84 Resp: 906965

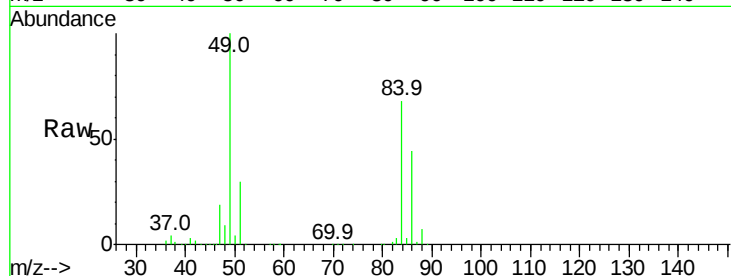
Ion Ratio Lower Upper

84 100

49 146.2 111.1 166.7

51 44.1 34.0 51.0

86 63.7 50.9 76.3

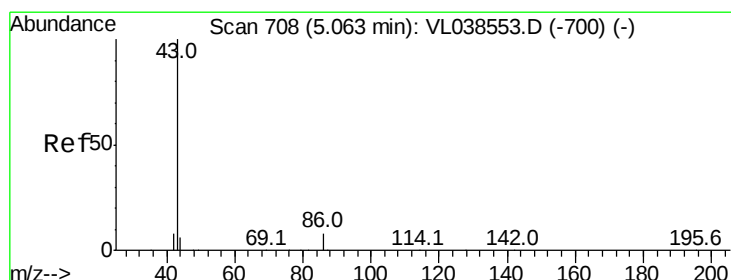
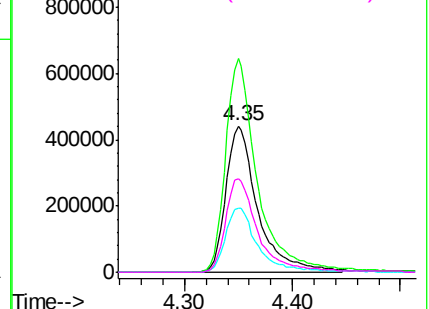
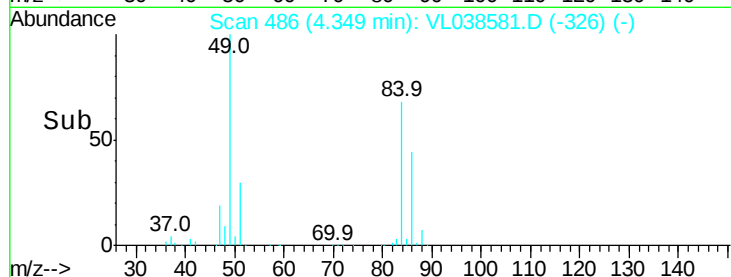


Abundance Ion 84.00 (83.70 to 84.70): VL0

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: 0.09 ppbv

RT: 5.07 min Scan# 710

Delta R.T. 0.01 min

Lab File: VL038581.D

Acq: 9 Mar 2022 18:24

Tgt Ion: 43 Resp: 7275

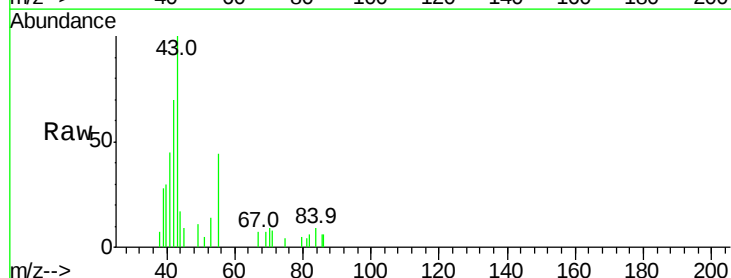
Ion Ratio Lower Upper

43 100

86 6.2 5.6 8.4

42 72.4 7.1 10.7#

44 1.2 4.1 6.1#

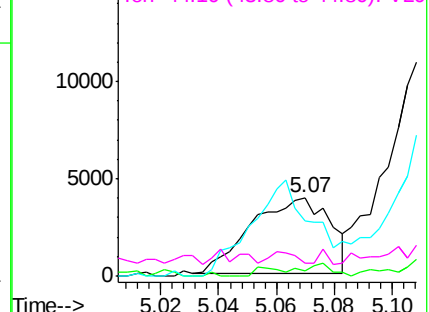
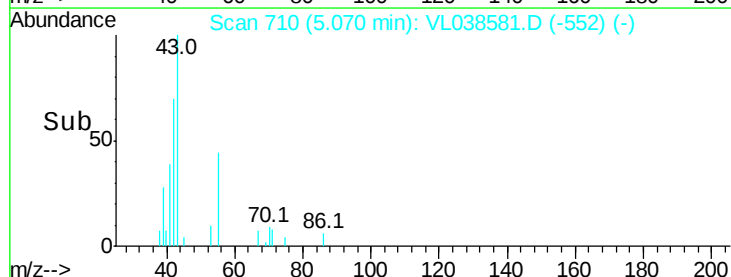


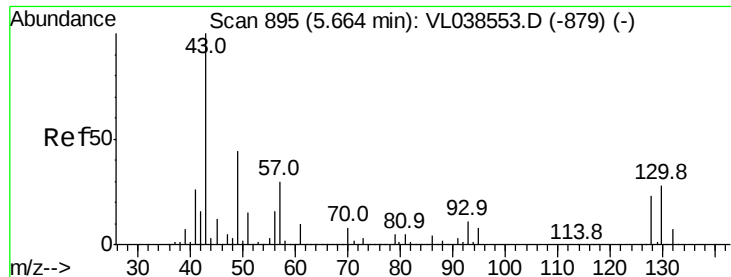
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

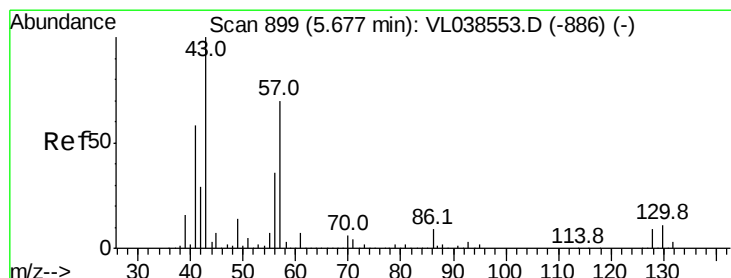
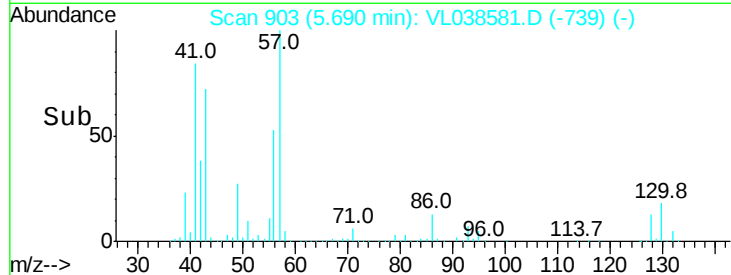
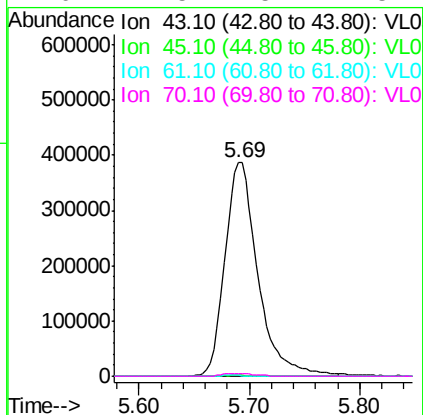
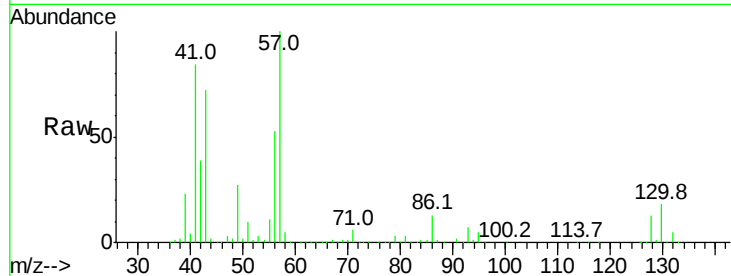
Ion 44.10 (43.80 to 44.80): VL0





#25
Ethyl Acetate
Concen: 4.08 ppbv
RT: 5.69
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 9 Mar 2022 18:24

Tgt Ion:	43	Resp:	799891
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.0	12.0#
61	0.4	8.2	12.4#
70	1.5	5.4	8.2#



#26
Hexane
Concen: 12.15 ppbv
RT: 5.69 min Scan# 904
Delta R.T.: 0.02 min
Lab File: VL038581.D
Acq: 9 Mar 2022 18:24

Tgt Ion:	57	Resp:	1119781
Ion	Ratio	Lower	Upper
57	100		
41	83.9	67.8	101.6
43	72.4	173.6	260.4#
56	54.2	42.2	63.2

