

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL030322\
 Data File : VL038519.D
 Acq On : 3 Mar 2022 18:32
 Operator : SY/AP
 Sample : N1791-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 04 04:34:17 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL022222AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.65	49	782001	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	1749881	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	1524882	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1281989	10.16	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.60%

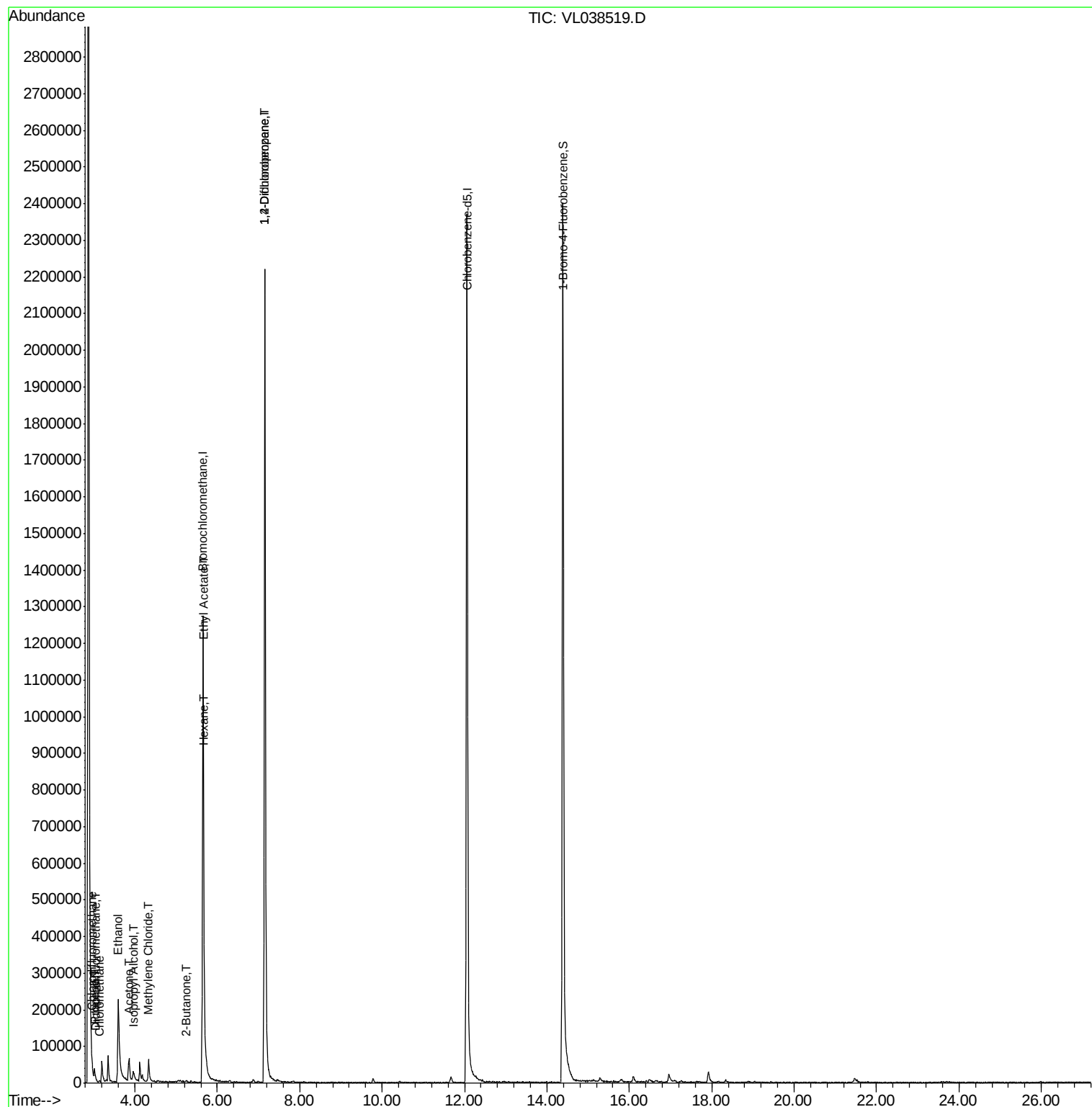
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9251	0.075	ppbv #	82
3) Chlorodifluoromethane	2.96	51	23851	0.173	ppbv #	66
4) Chloromethane	3.13	50	1712	0.036	ppbv	98
9) Propene	3.01	41	2759	0.061	ppbv #	16
13) Ethanol	3.59	45	362108	79.582	ppbv	89
15) Acetone	3.85	43	34654	0.521	ppbv #	54
19) Isopropyl Alcohol	3.96	45	17015	0.442	ppbv #	48
20) Methylene Chloride	4.33	84	21286	0.646	ppbv	90
25) Ethyl Acetate	5.67	43	8824	0.049	ppbv #	78
26) Hexane	5.67	57	12583	0.156	ppbv #	41
34) 2-Butanone	5.23	43	2437	0.044	ppbv #	48
39) 1,2-Dichloropropane	7.15	63	483801	7.885	ppbv #	26

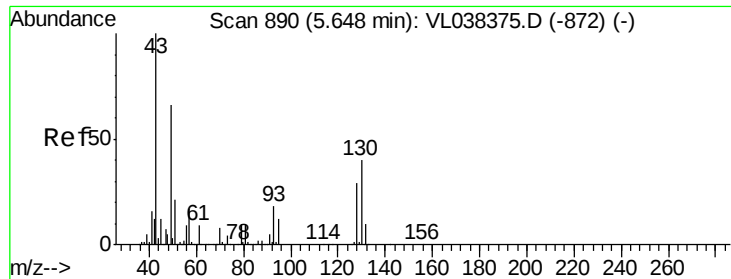
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 04 04:34:17 2022
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 3 Mar 2022 18:32

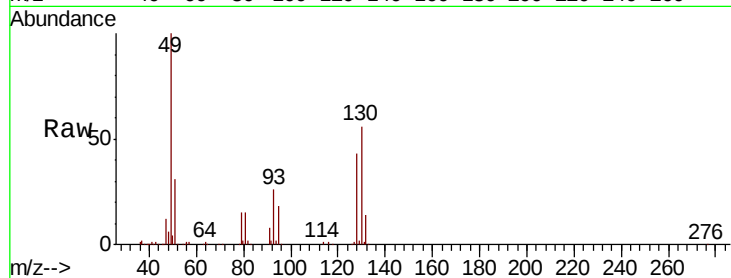
Tot Ion: 49 Resp: 782001

Ion Ratio Lower Upper

49 100

128 44.9 24.3 72.9

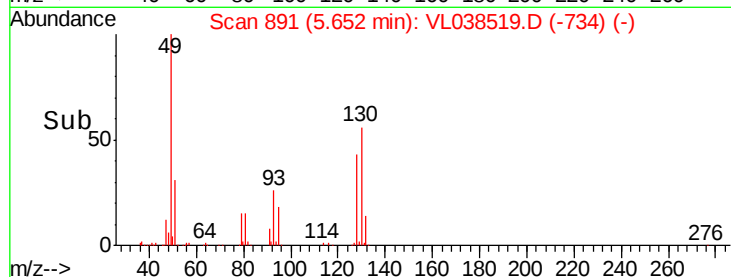
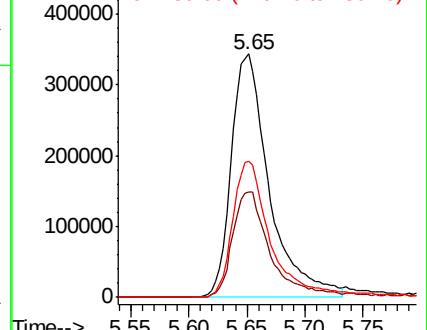
130 57.8 30.1 90.5



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: 0.075 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL038519.D

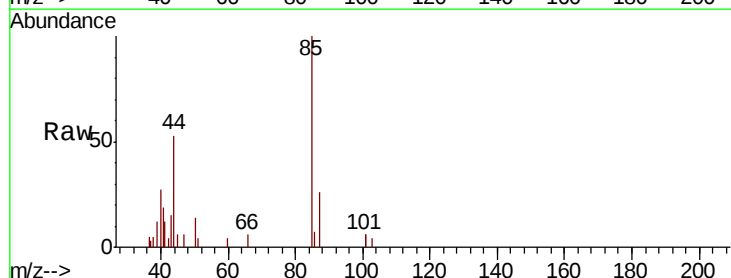
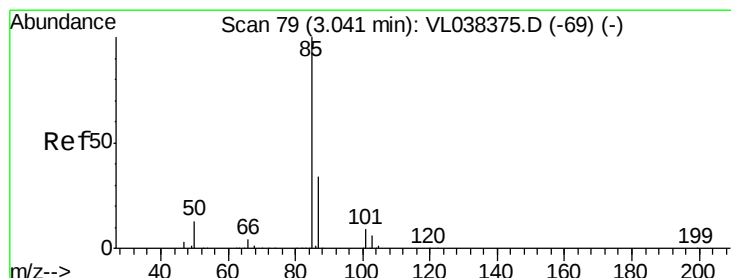
Acq: 3 Mar 2022 18:32

Tgt Ion: 85 Resp: 9251

Ion Ratio Lower Upper

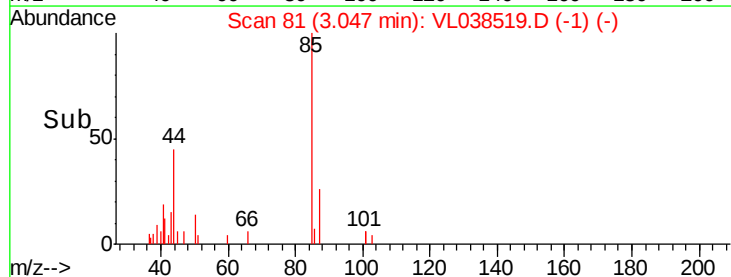
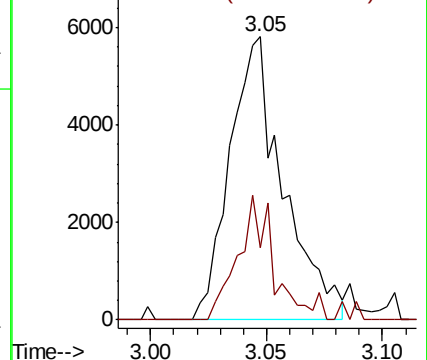
85 100

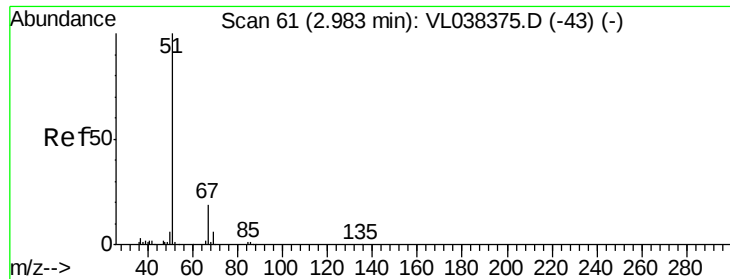
87 23.9 27.4 41.0#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.173 ppbv

RT: 2.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

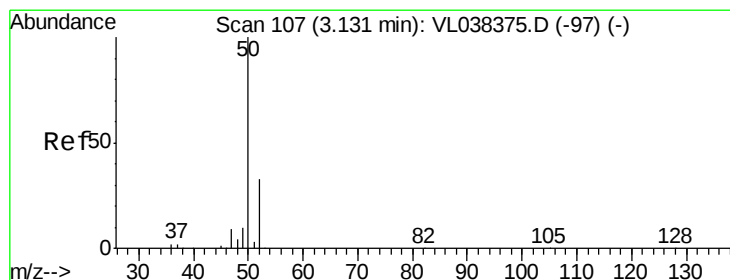
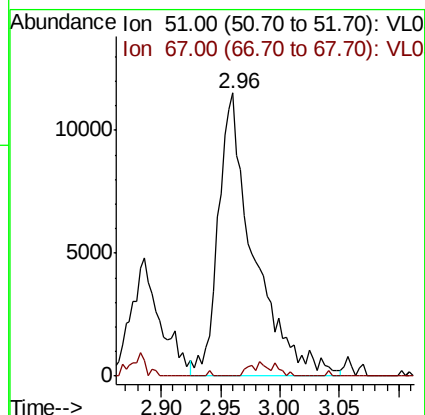
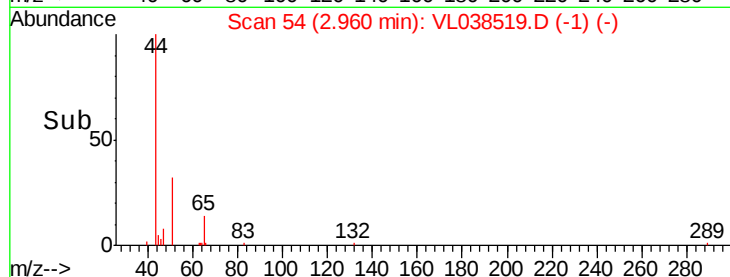
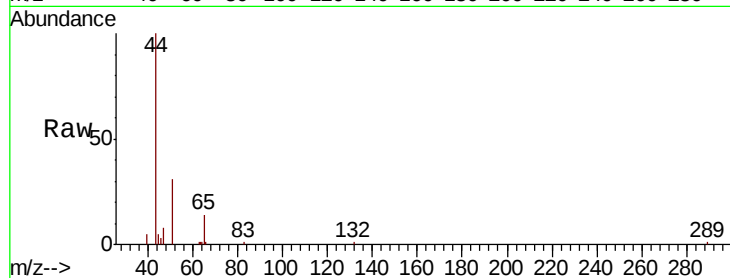
Acq: 3 Mar 2022 18:32

Tot Ion: 51 Resp: 23851

Ion Ratio Lower Upper

51 100

67 3.3 14.7 22.1#



#4

Chloromethane

Concen: 0.036 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL038519.D

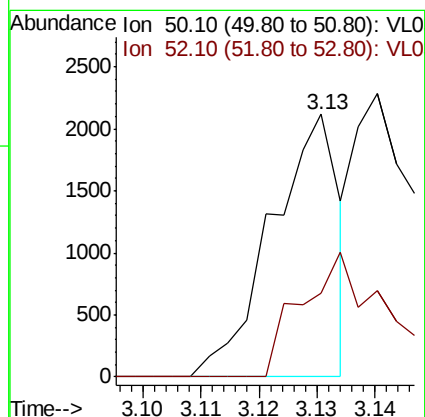
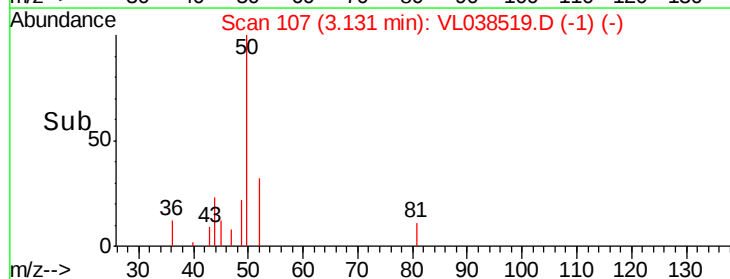
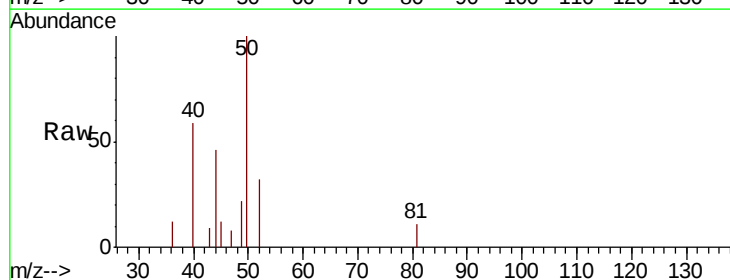
Acq: 3 Mar 2022 18:32

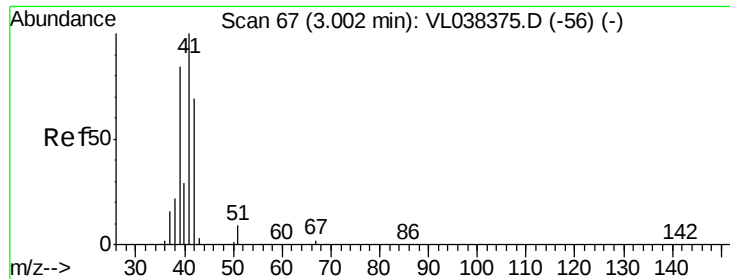
Tgt Ion: 50 Resp: 1712

Ion Ratio Lower Upper

50 100

52 31.8 26.5 39.7





#9

Propene

Concen: 0.061 ppbv

RT: 3.01 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

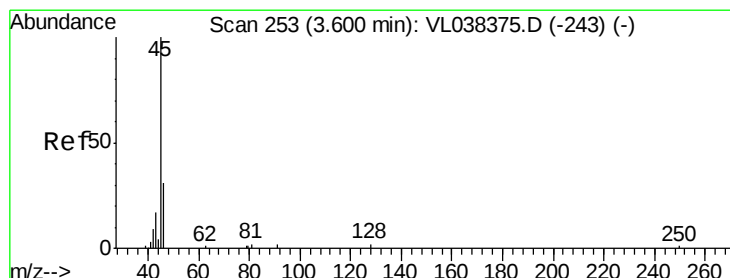
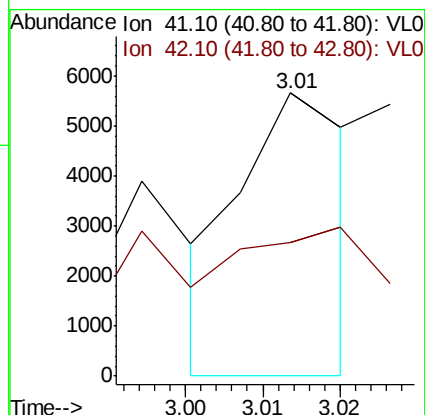
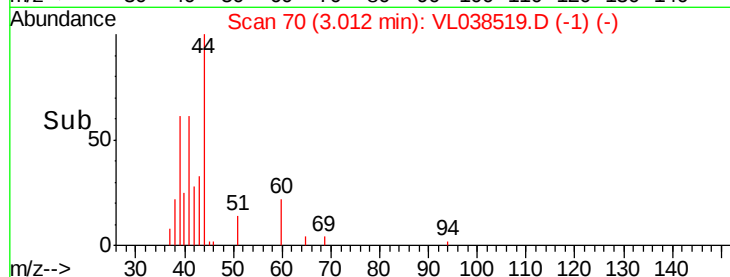
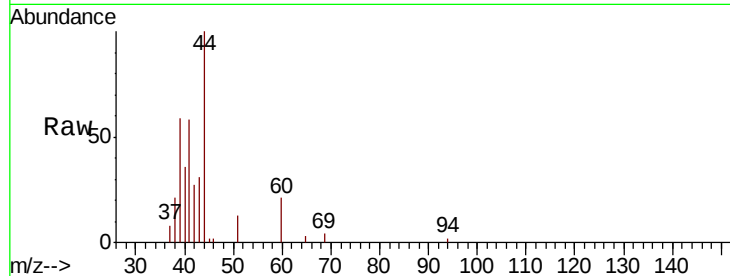
Acq: 3 Mar 2022 18:32

Tot Ion: 41 Resp: 2759

Ion Ratio Lower Upper

41 100

42 0.0 54.6 82.0#



#13

Ethanol

Concen: 79.582 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.01 min

Lab File: VL038519.D

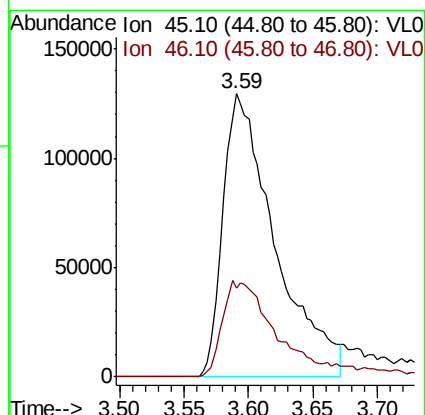
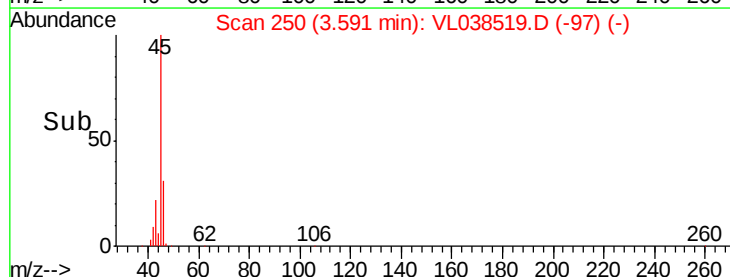
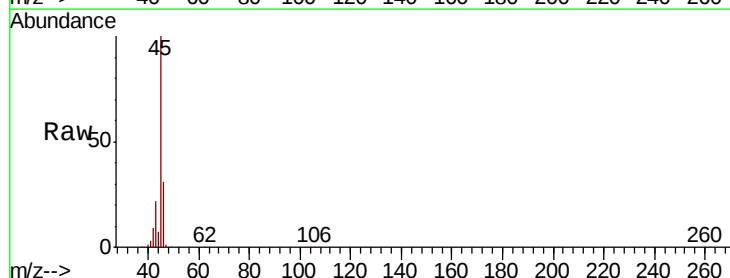
Acq: 3 Mar 2022 18:32

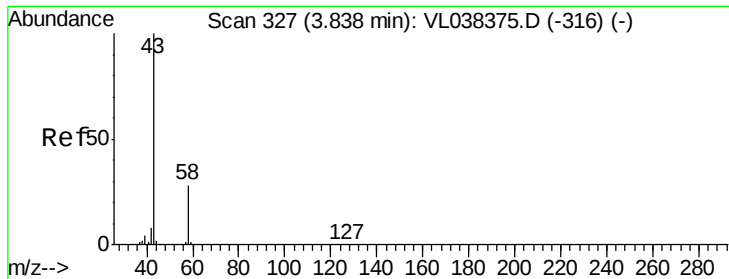
Tgt Ion: 45 Resp: 362108

Ion Ratio Lower Upper

45 100

46 38.0 18.2 72.8





#15

Acetone

Concen: 0.521 ppbv

RT: 3.85 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

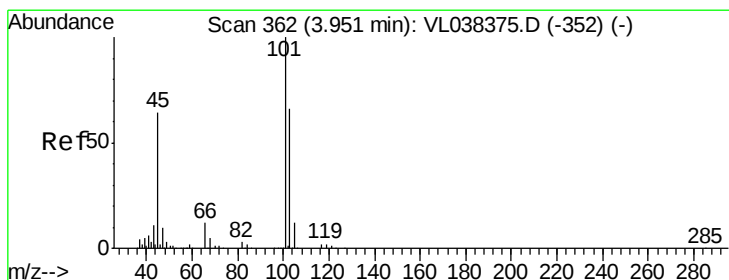
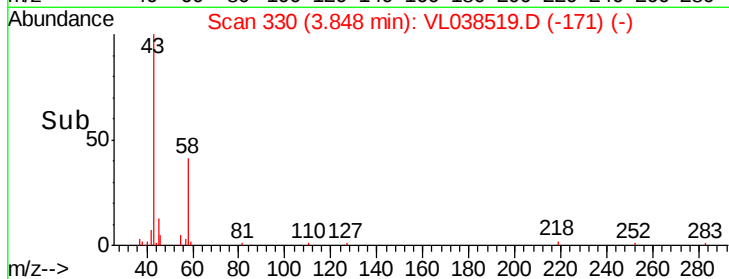
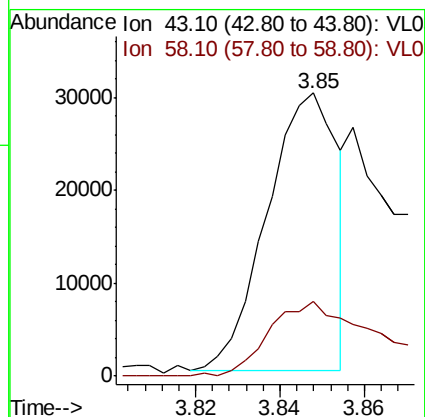
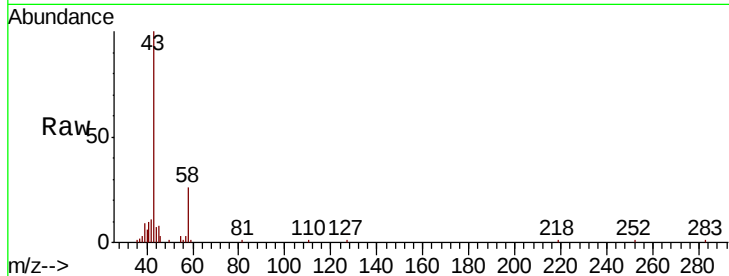
Acq: 3 Mar 2022 18:32

Tot Ion: 43 Resp: 34654

Ion Ratio Lower Upper

43 100

58 50.9 21.7 32.5#



#19

Isopropyl Alcohol

Concen: 0.442 ppbv

RT: 3.96 min Scan# 365

Delta R.T. 0.01 min

Lab File: VL038519.D

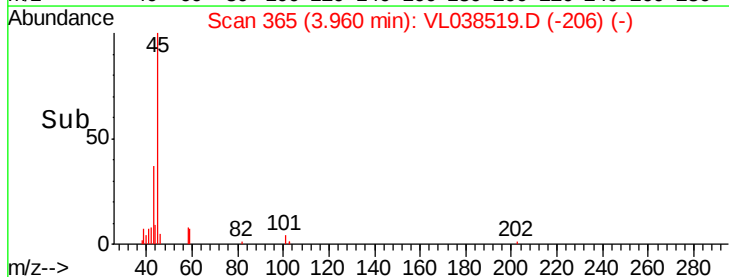
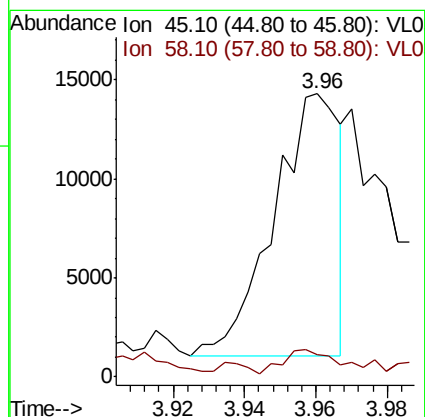
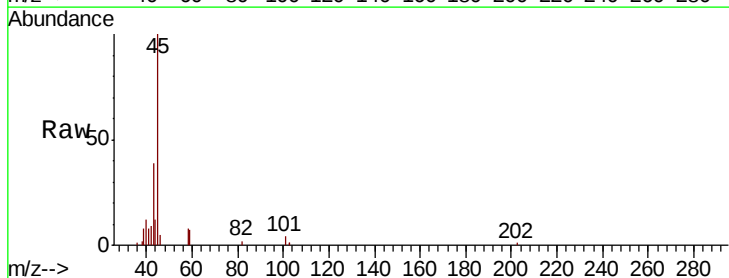
Acq: 3 Mar 2022 18:32

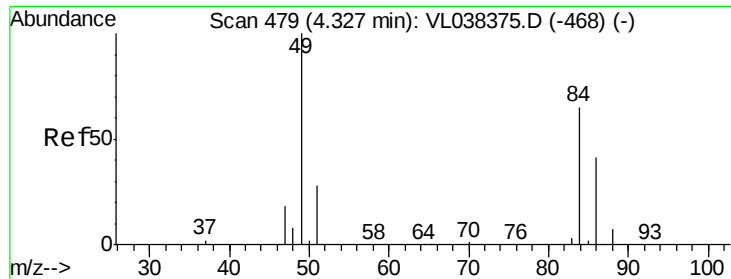
Tgt Ion: 45 Resp: 17015

Ion Ratio Lower Upper

45 100

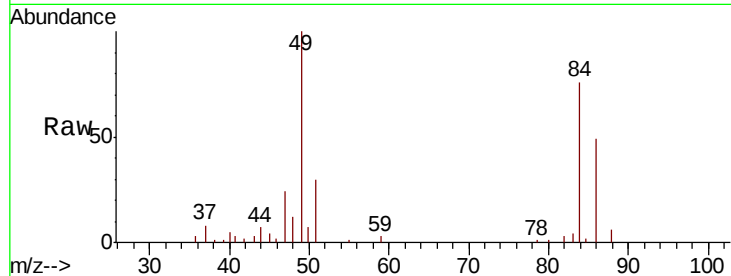
58 20.0 1.8 2.8#





#20
Methvlene Chloride
Concen: 0.646 ppbv
RT: 4.33
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId :
Acq: 3 Mar 2022 18:32

Tot Ion:	84	Resp:	21286
Ion	Ratio	Lower	Upper
84	100		
49	134.7	122.4	183.6
51	36.3	33.3	49.9
86	63.3	50.7	76.1



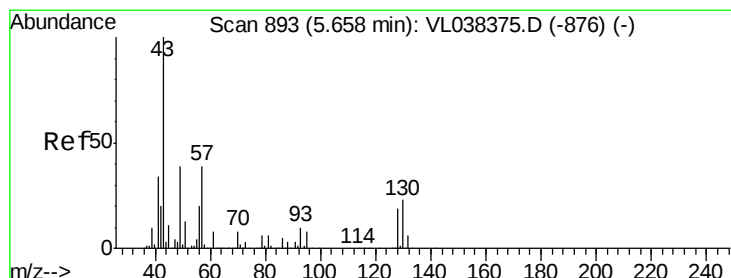
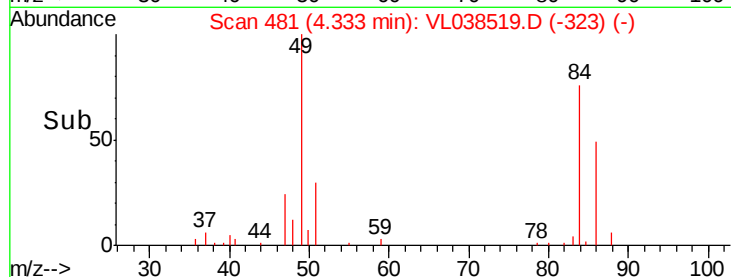
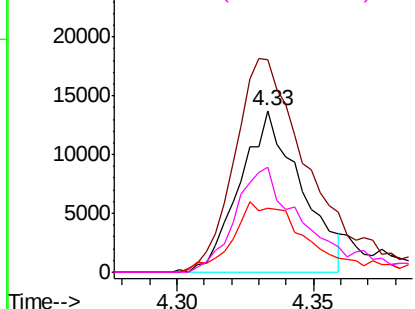
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

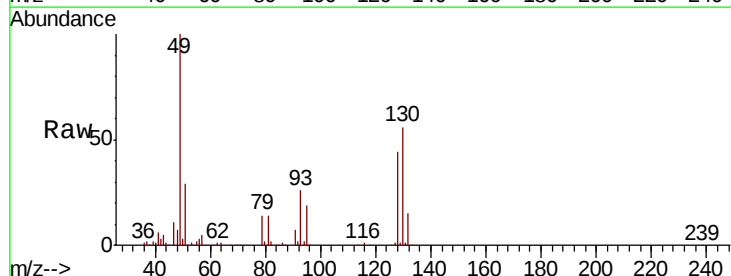
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#25
Ethyl Acetate
Concen: 0.049 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL038519.D
Acq: 3 Mar 2022 18:32

Tgt Ion:	43	Resp:	8824
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.8	11.6#
61	2.3	7.5	11.3#
70	0.0	5.4	8.0#



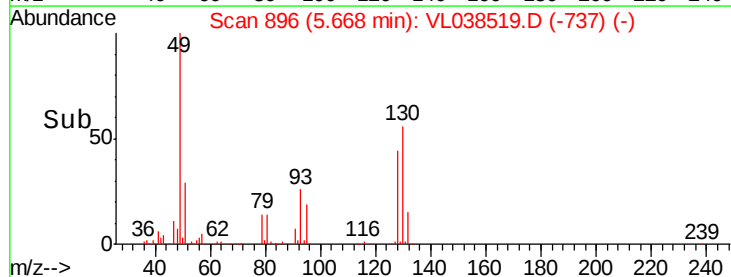
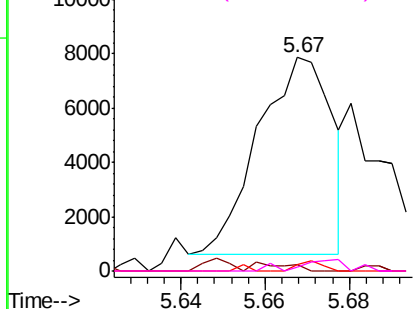
Abundance

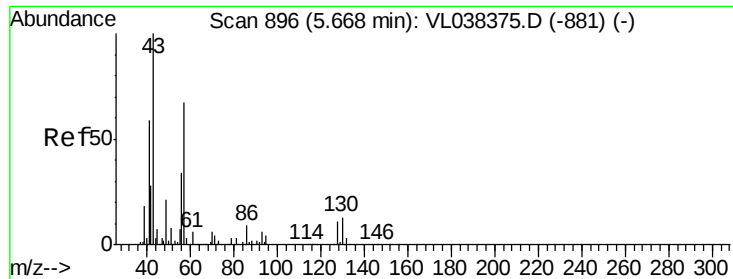
Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

Ion 61.10 (60.80 to 61.80): VL0

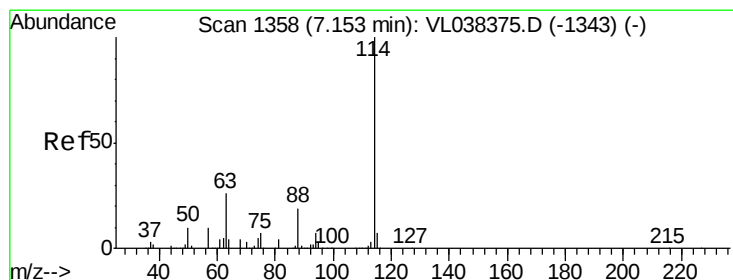
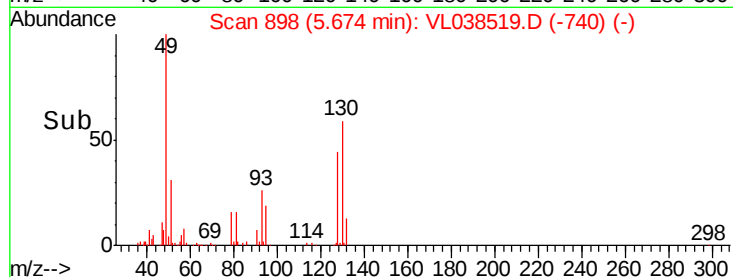
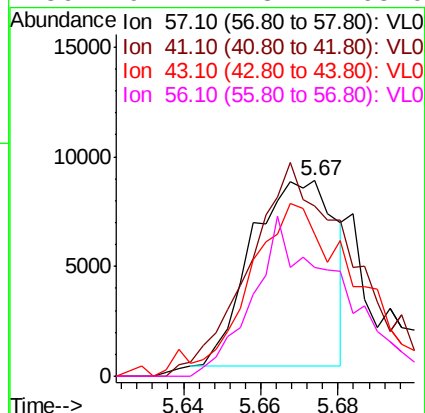
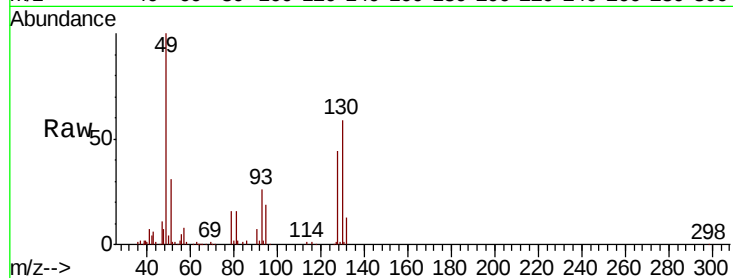
Ion 70.10 (69.80 to 70.80): VL0





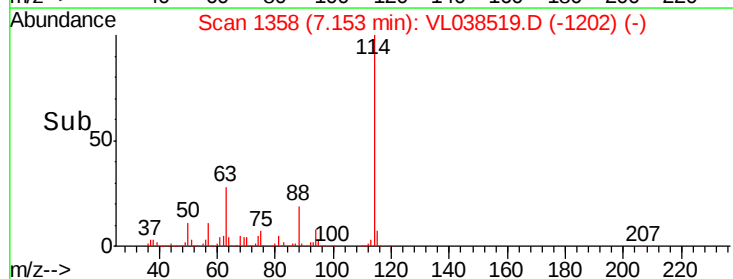
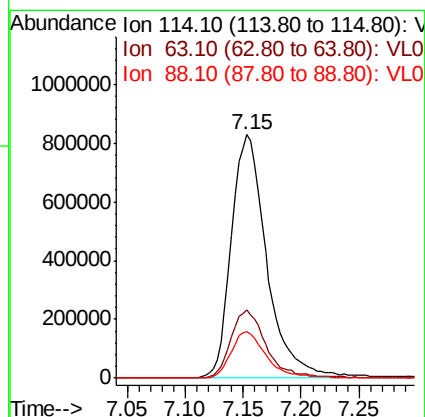
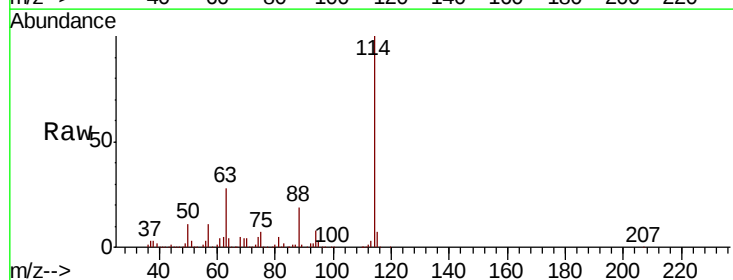
#26
Hexane
Concen: 0.156 ppbv
RT: 5.67
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 3 Mar 2022 18:32

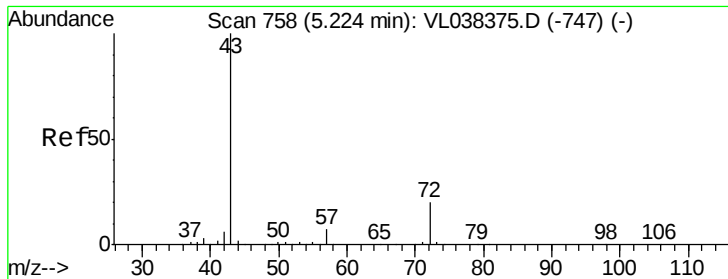
Tot Ion:	57	Resp:	12583
Ion	Ratio	Lower	Upper
57	100		
41	155.8	73.1	109.7#
43	136.3	181.0	271.4#
56	97.1	43.4	65.0#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1358
Delta R.T.: 0.00 min
Lab File: VL038519.D
Acq: 3 Mar 2022 18:32

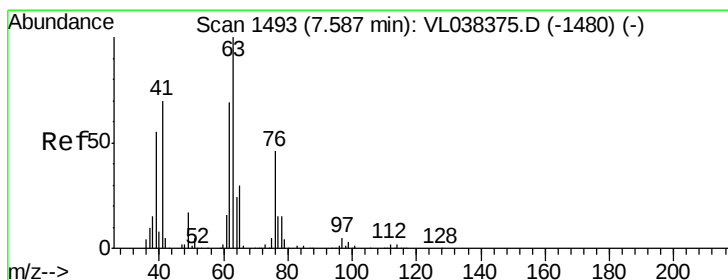
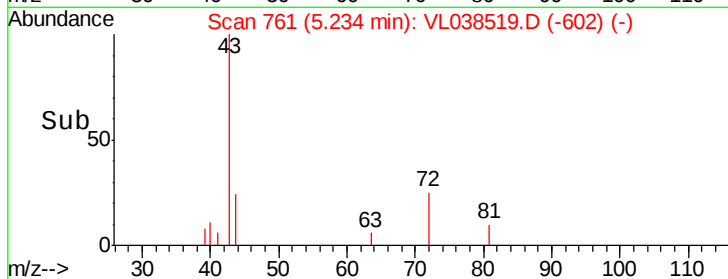
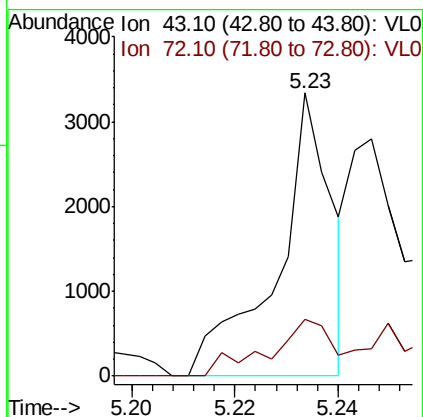
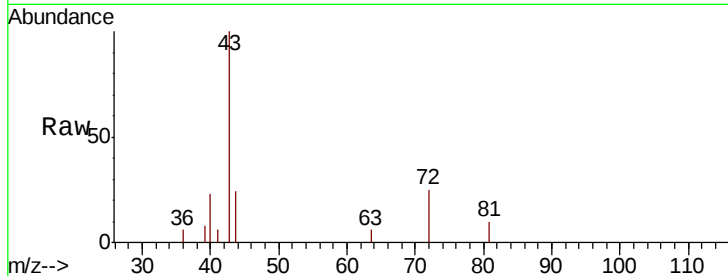
Tgt Ion:	114	Resp:	1749881
Ion	Ratio	Lower	Upper
114	100		
63	28.3	22.2	33.2
88	19.4	15.2	22.8





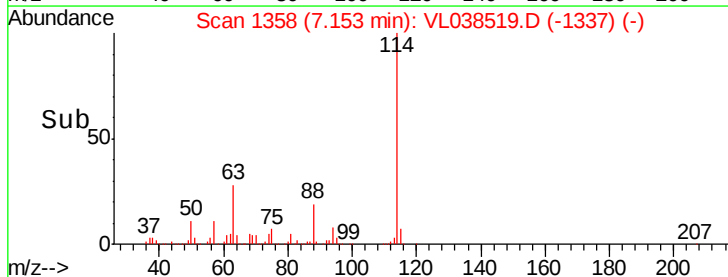
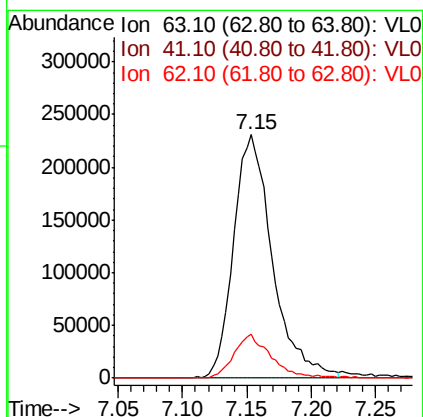
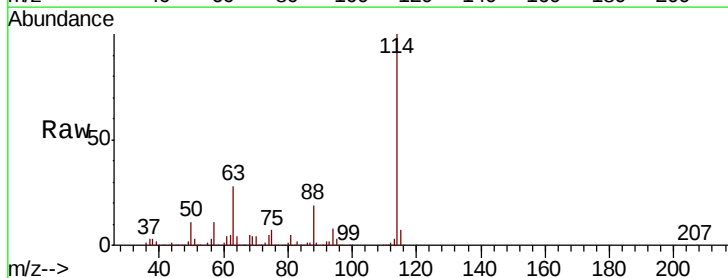
#34
 2-Butanone
 Concen: 0.044 ppbv
 RT: 5.23 Instrument :
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 18:32

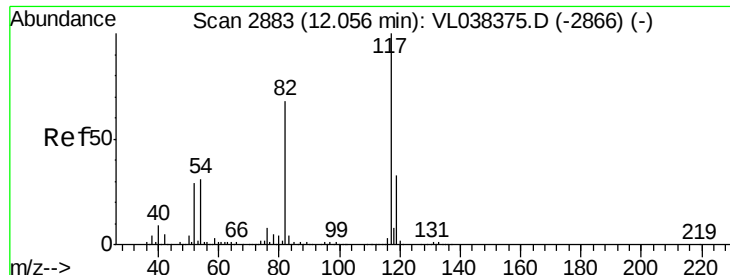
Tot Ion: 43 Resp: 2437
 Ion Ratio Lower Upper
 43 100
 72 46.7 17.4 26.2#



#39
 1,2-Dichloropropane
 Concen: 7.885 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.43 min
 Lab File: VL038519.D
 Acq: 3 Mar 2022 18:32

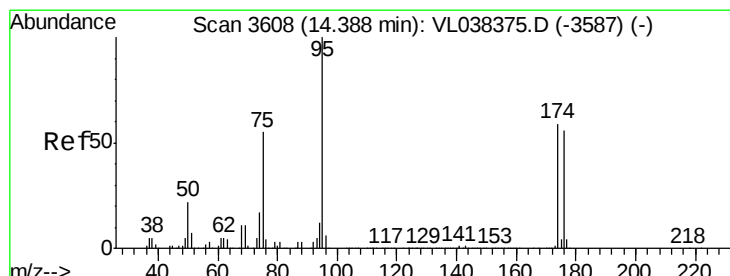
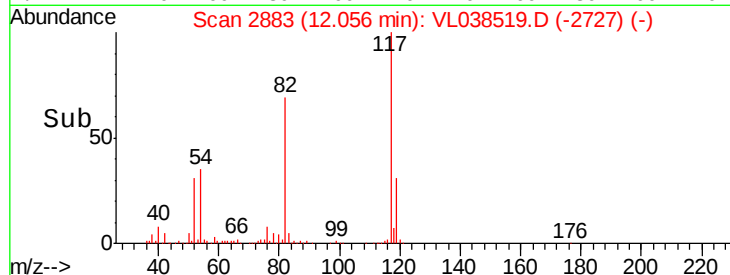
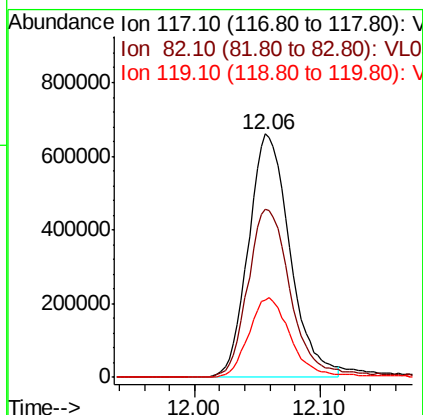
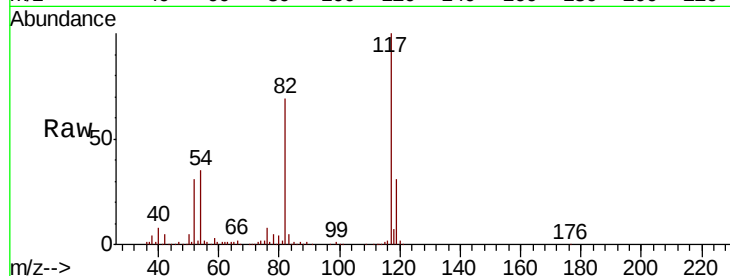
Tgt Ion: 63 Resp: 483801
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.1 84.1#
 62 17.9 55.5 83.3#





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.06 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 3 Mar 2022 18:32

Tot Ion: 117 Resp: 1524882
 Ion Ratio Lower Upper
 117 100
 82 73.4 54.9 82.3
 119 33.7 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.161 ppbv
 RT: 14.39 min Scan# 3608
 Delta R.T. 0.00 min
 Lab File: VL038519.D
 Acq: 3 Mar 2022 18:32

Tgt Ion: 95 Resp: 1281989
 Ion Ratio Lower Upper
 95 100
 174 59.5 49.0 73.4
 175 4.3 3.6 5.4

