

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL022322\
 Data File : VL038426.D
 Acq On : 24 Feb 2022 3:16
 Operator : SY/AP
 Sample : N1605-04DL 10X
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-5DL

Quant Time: Feb 24 07:33:29 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	5.64	49	874964	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.15	114	2065260	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.05	117	1774937	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.38	95	1388906	9.46	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	94.60%

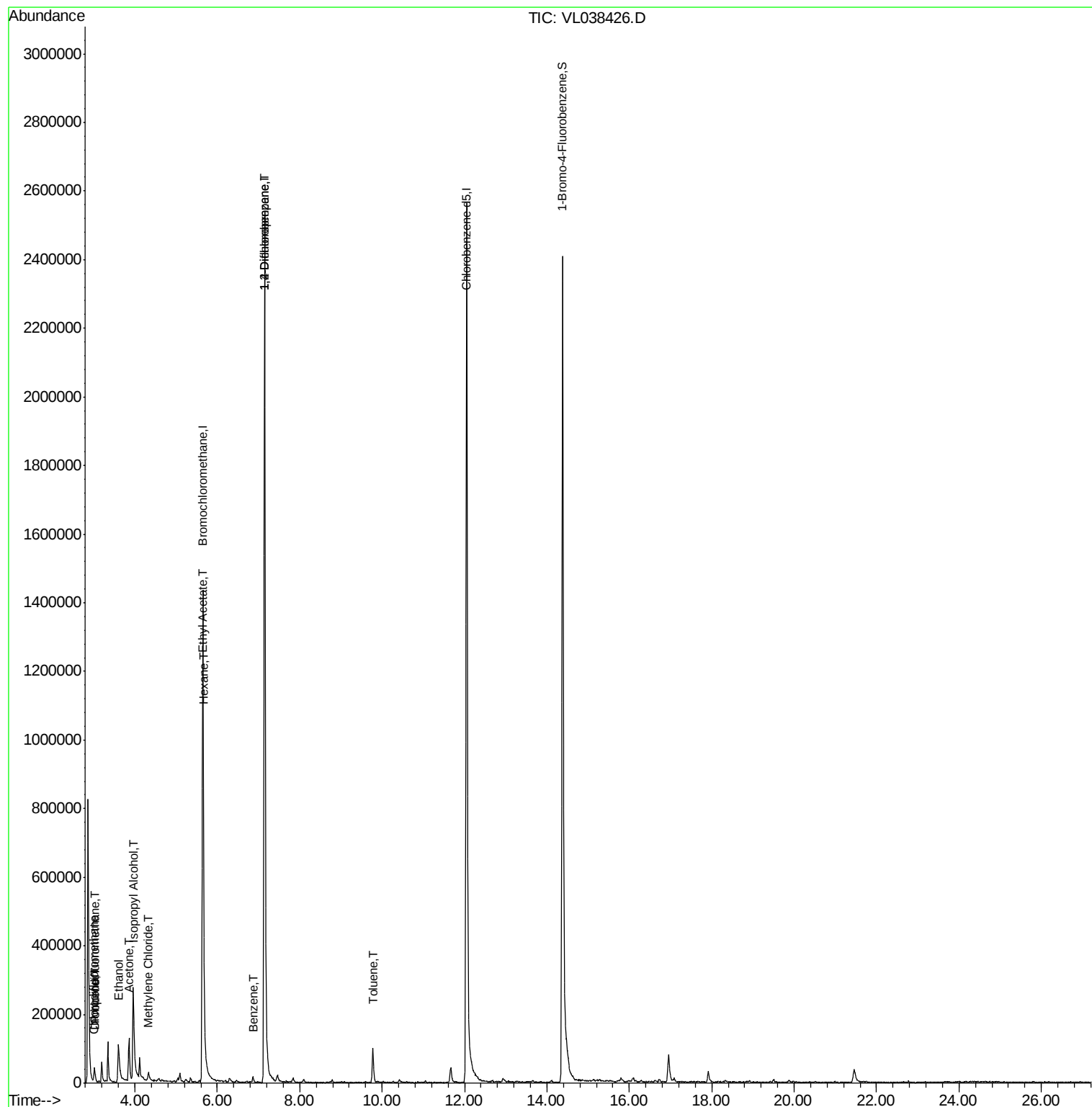
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.04	85	6137	0.04	ppbv	94
3) Chlorodifluoromethane	2.98	51	9056	0.06	ppbv #	79
9) Propene	3.01	41	2347	0.05	ppbv #	16
13) Ethanol	3.60	45	155161	30.48	ppbv	97
15) Acetone	3.85	43	102149	1.37	ppbv #	89
19) Isopropyl Alcohol	3.96	45	392529	9.11	ppbv #	98
20) Methylene Chloride	4.33	84	7434	0.20	ppbv #	65
25) Ethyl Acetate	5.66	43	38883	0.19	ppbv #	84
26) Hexane	5.67	57	51359	0.57	ppbv #	43
36) Benzene	6.86	78	11476	0.06	ppbv #	90
39) 1,2-Dichloropropane	7.15	63	564810	7.80	ppbv #	25
53) Toluene	9.77	91	79941	0.40	ppbv	100

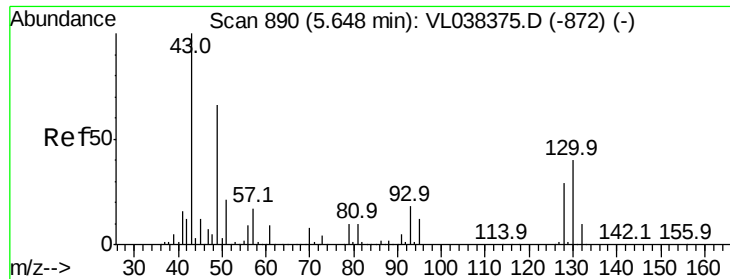
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Feb 24 07:33:29 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: 10.00 ppbv

RT: 5.64 Instrument: MSVOA_L

Delta R.T. ClientSampleId:

Lab File: IA-5DL

Acq: 24 Feb 2022 3:16

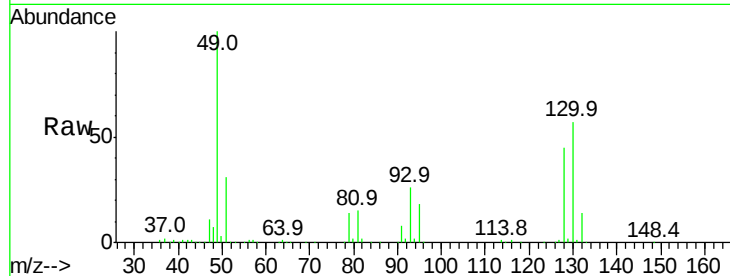
Tgt Ion: 49 Resp: 874964

Ion Ratio Lower Upper

49 100

128 46.2 24.3 72.9

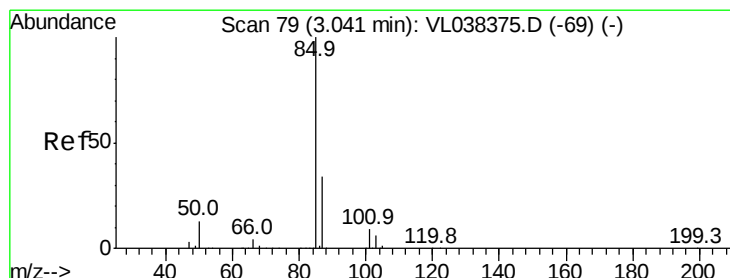
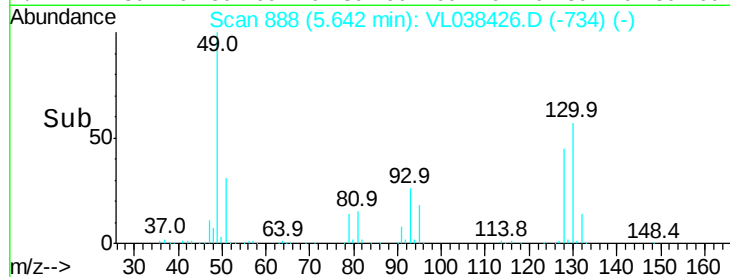
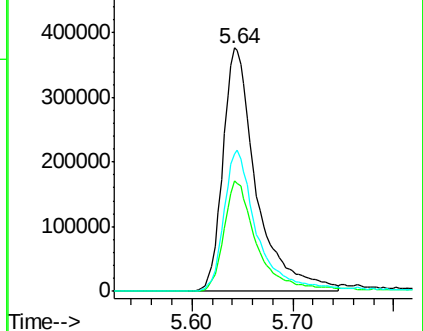
130 59.7 30.1 90.5



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: 0.04 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.00 min

Lab File: VL038426.D

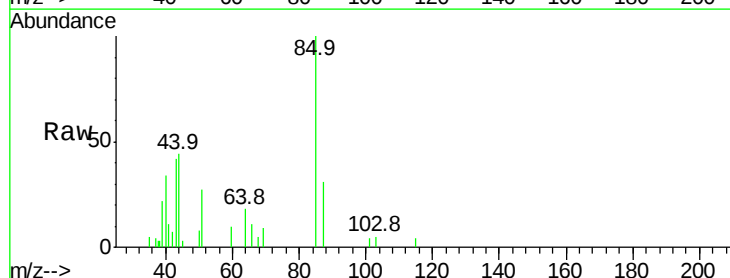
Acq: 24 Feb 2022 3:16

Tgt Ion: 85 Resp: 6137

Ion Ratio Lower Upper

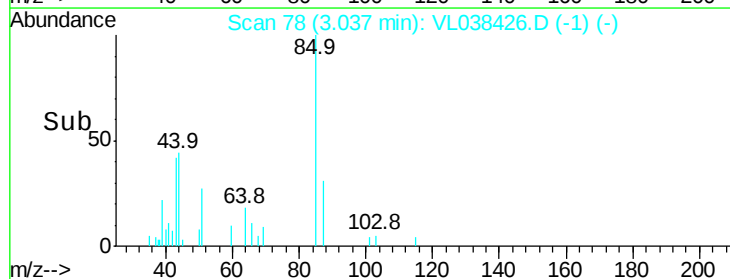
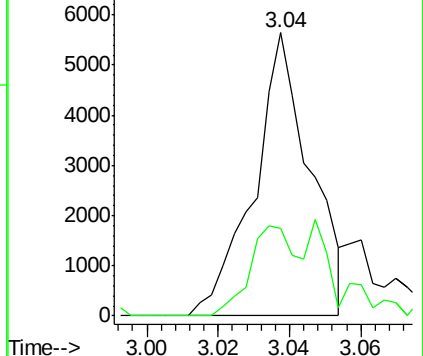
85 100

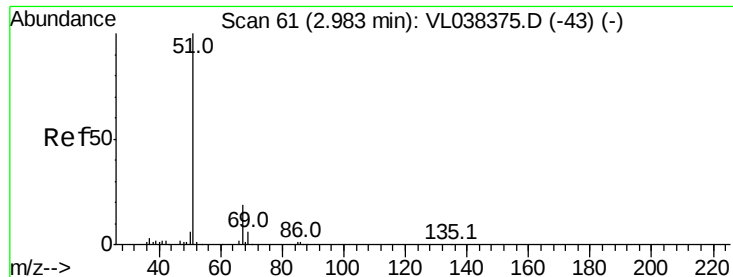
87 30.8 27.4 41.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.06 ppbv

RT: 2.98 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: IA-5DL

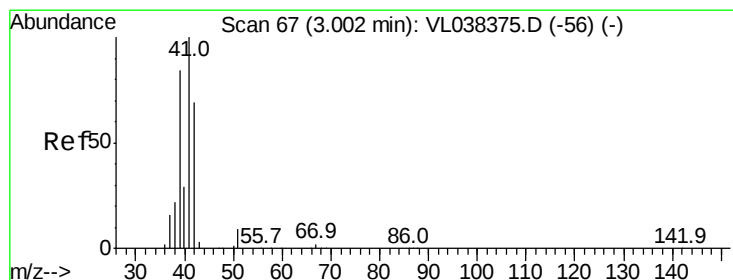
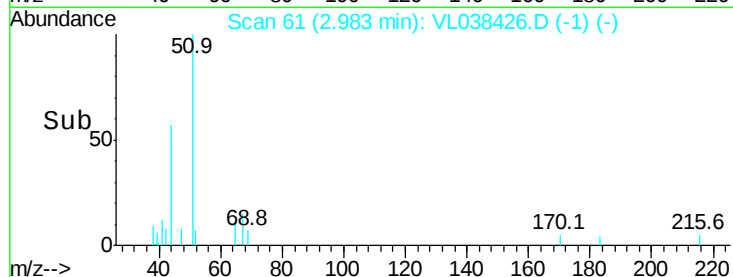
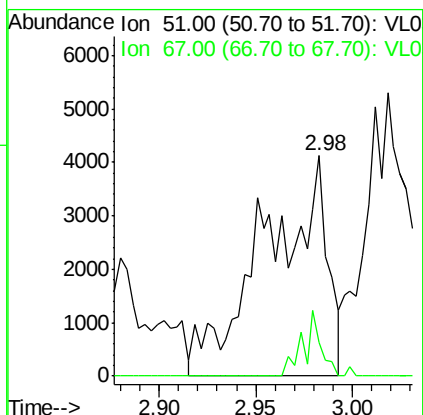
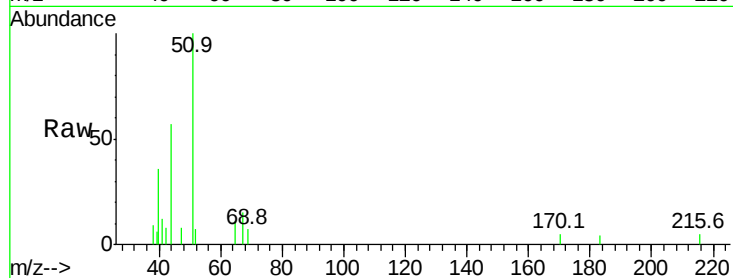
Acq: 24 Feb 2022 3:16

Tgt Ion: 51 Resp: 9056

Ion Ratio Lower Upper

51 100

67 9.0 14.7 22.1#



#9

Propene

Concen: 0.05 ppbv

RT: 3.01 min Scan# 69

Delta R.T. 0.01 min

Lab File: VL038426.D

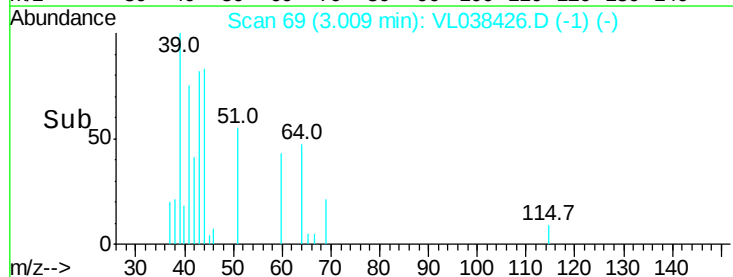
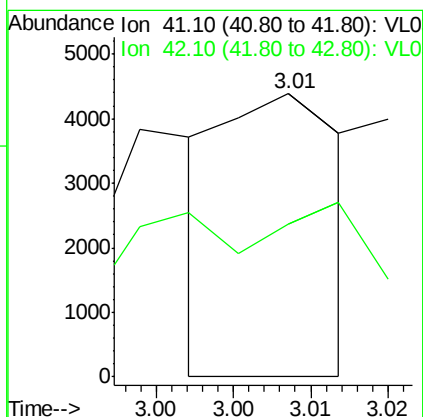
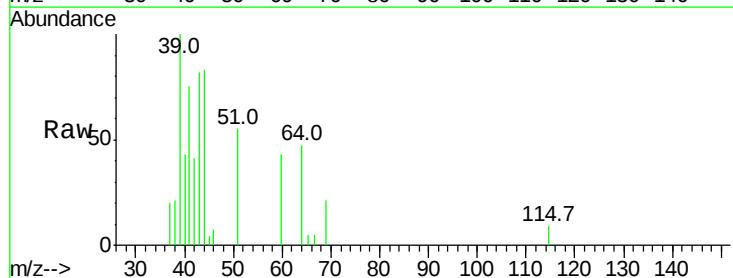
Acq: 24 Feb 2022 3:16

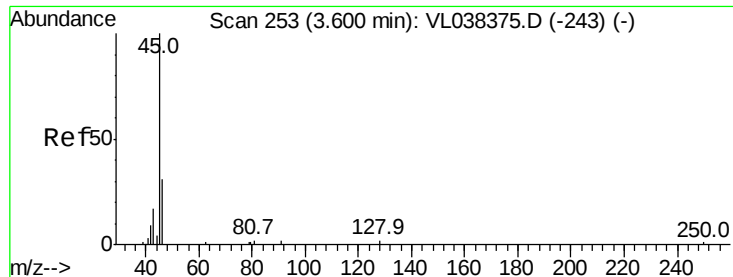
Tgt Ion: 41 Resp: 2347

Ion Ratio Lower Upper

41 100

42 0.0 54.6 82.0#





#13

Ethanol

Concen: 30.48 ppbv

RT: 3.60

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

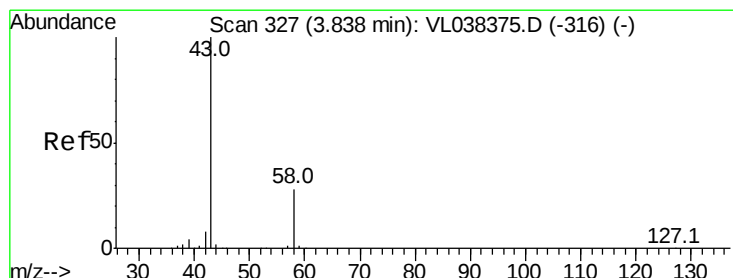
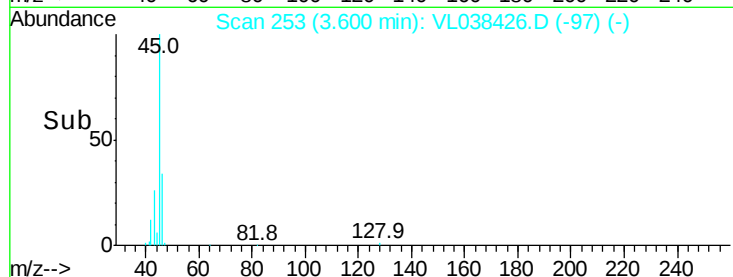
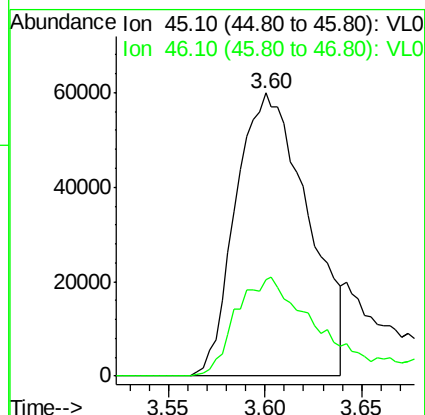
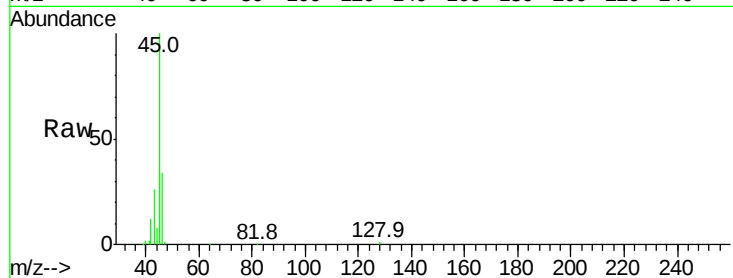
Acq: 24 Feb 2022 3:16

Tgt Ion: 45 Resp: 155161

Ion Ratio Lower Upper

45 100

46 47.5 18.2 72.8



#15

Acetone

Concen: 1.37 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.02 min

Lab File: VL038426.D

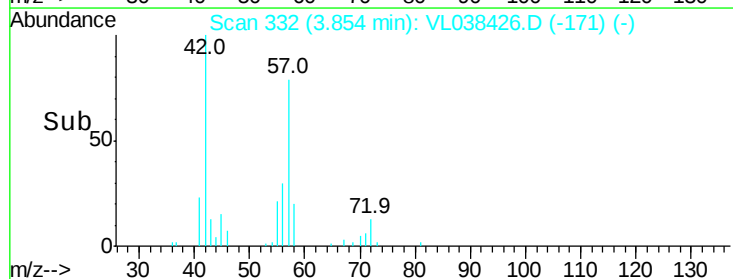
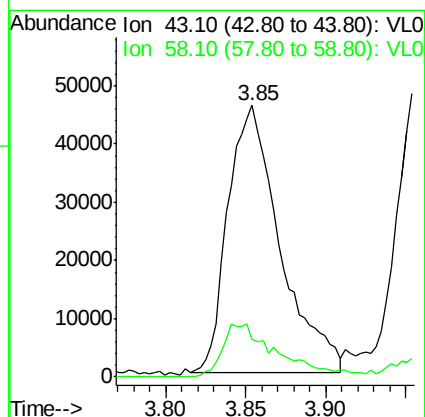
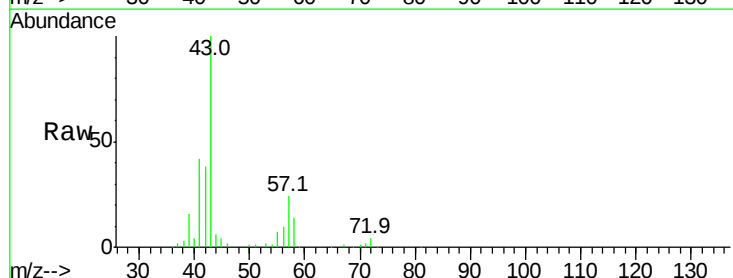
Acq: 24 Feb 2022 3:16

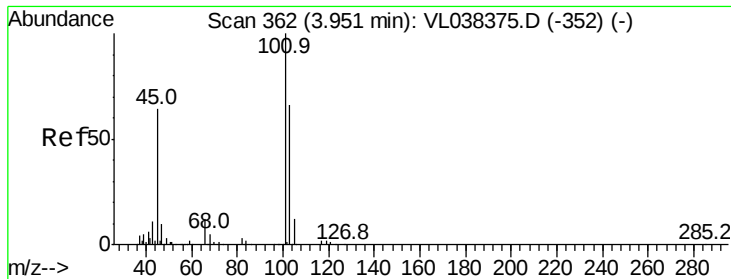
Tgt Ion: 43 Resp: 102149

Ion Ratio Lower Upper

43 100

58 21.5 21.7 32.5#





#19

Isopropyl Alcohol

Concen: 9.11 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

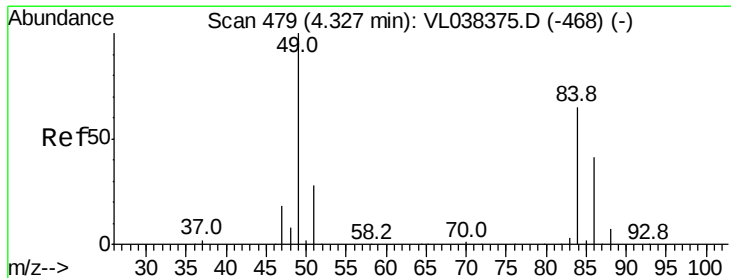
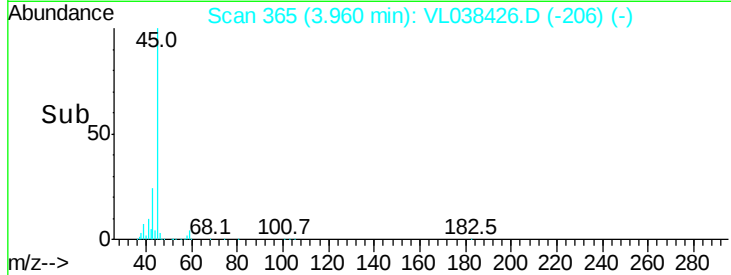
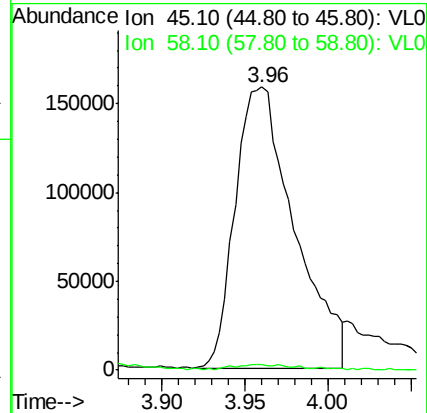
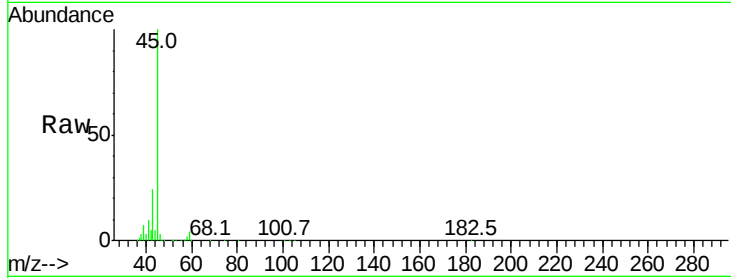
Acq: 24 Feb 2022 3:16

Tgt Ion: 45 Resp: 392529

Ion Ratio Lower Upper

45 100

58 3.0 1.8 2.8#



#20

Methylene Chloride

Concen: 0.20 ppbv

RT: 4.33 min Scan# 480

Delta R.T. 0.00 min

Lab File: VL038426.D

Acq: 24 Feb 2022 3:16

Tgt Ion: 84 Resp: 7434

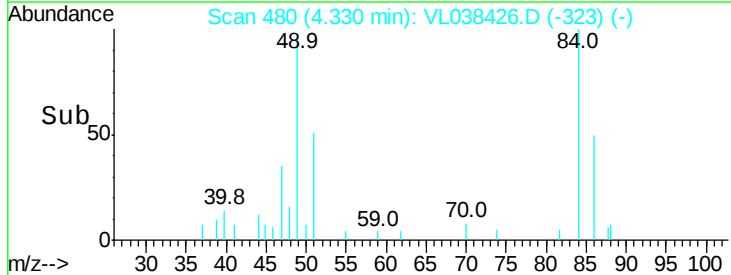
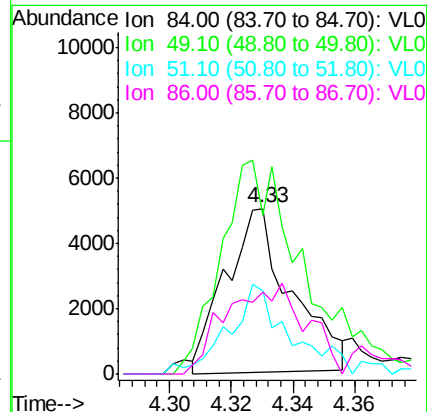
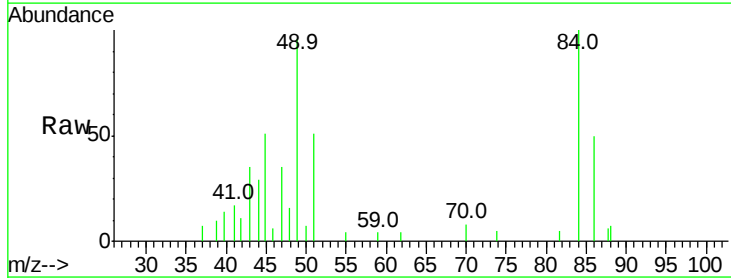
Ion Ratio Lower Upper

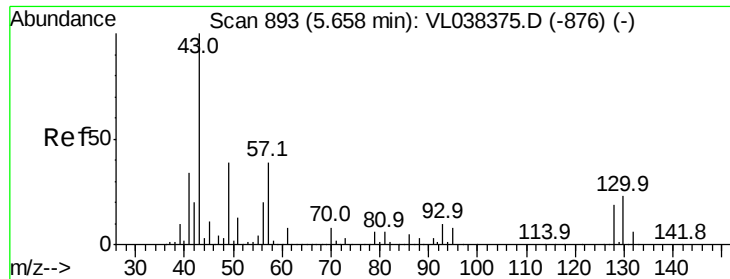
84 100

49 87.5 122.4 183.6#

51 48.8 33.3 49.9

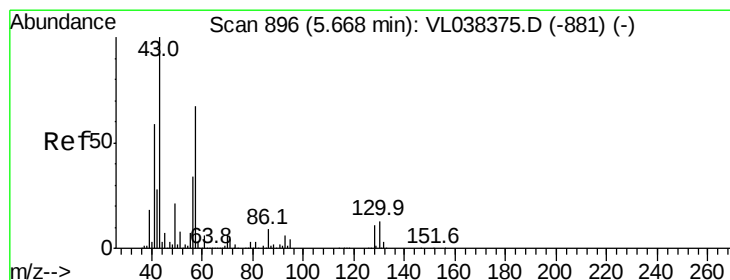
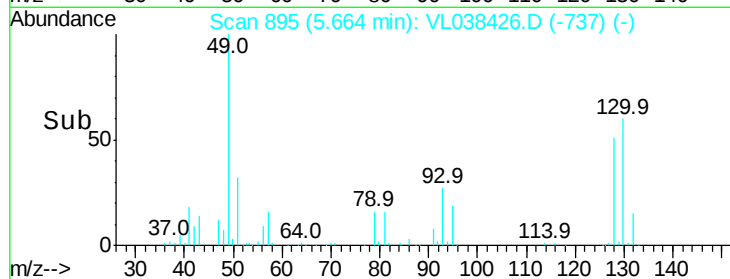
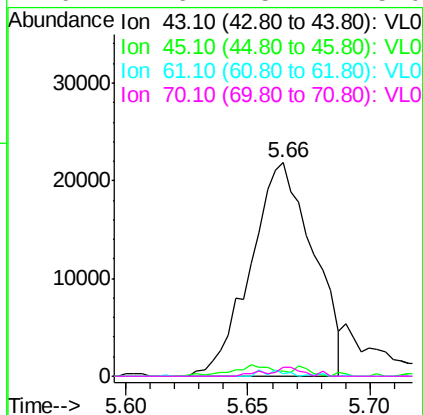
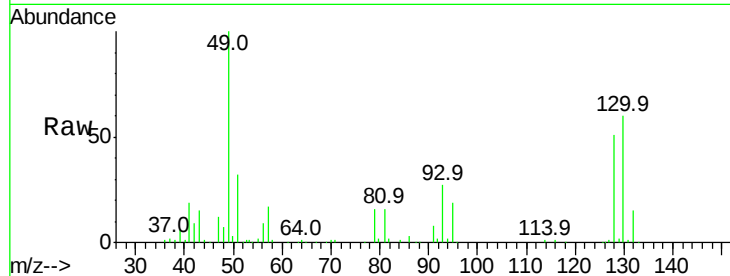
86 54.0 50.7 76.1





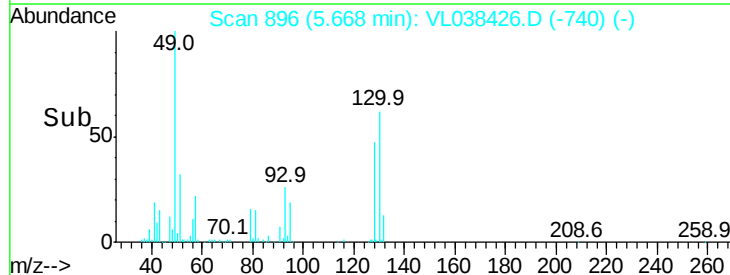
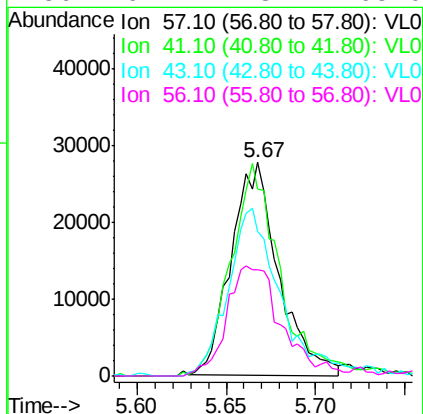
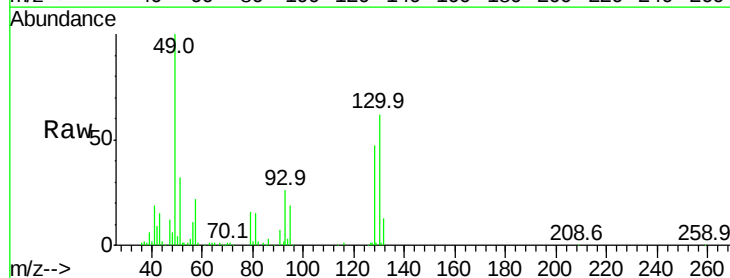
#25
Ethyl Acetate
Concen: 0.19 ppbv
RT: 5.66
Instrument: MSVOA_L
Delta R.T.:
Lab File: ClientSampleId :
Acq: 24 Feb 2022 3:10

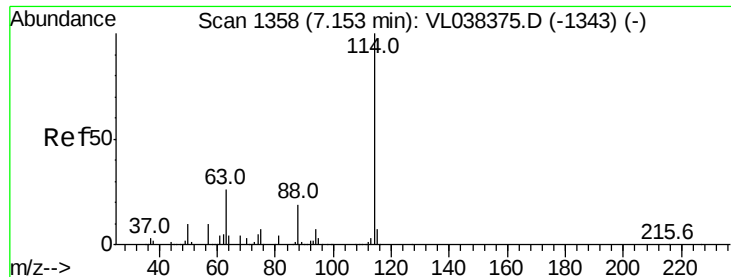
Tgt Ion:	43	Resp:	38883
Ion	Ratio	Lower	Upper
43	100		
45	5.1	7.8	11.6#
61	1.4	7.5	11.3#
70	2.6	5.4	8.0#



#26
Hexane
Concen: 0.57 ppbv
RT: 5.67 min Scan# 896
Delta R.T. -0.00 min
Lab File: VL038426.D
Acq: 24 Feb 2022 3:16

Tgt Ion:	57	Resp:	51359
Ion	Ratio	Lower	Upper
57	100		
41	105.7	73.1	109.7
43	88.5	181.0	271.4#
56	62.2	43.4	65.0

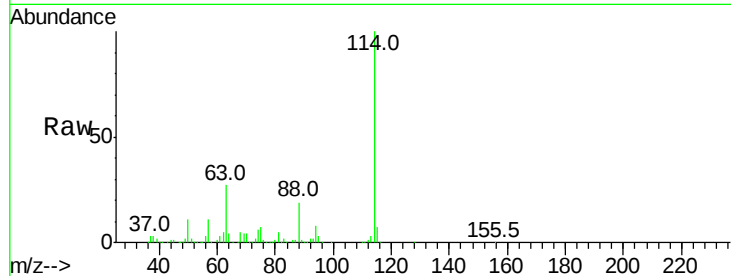




#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Feb 2022 3:16

Tgt Ion: 114 Resp: 2065260

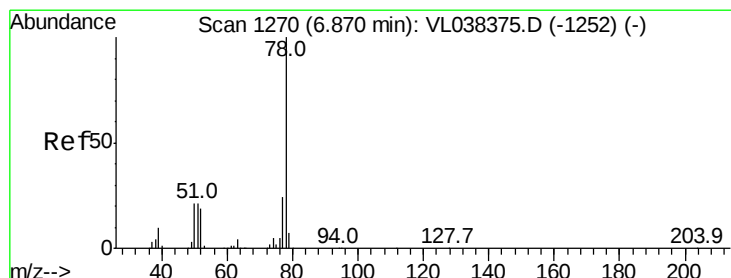
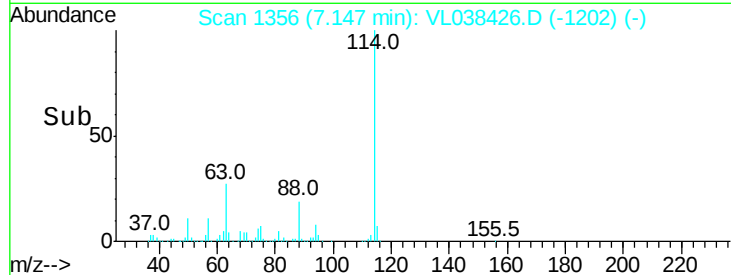
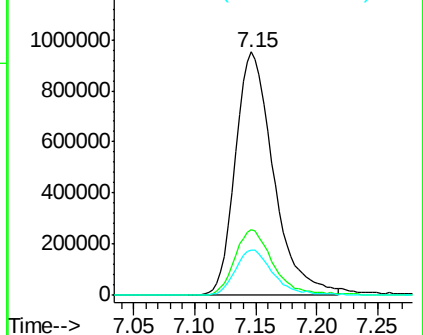
Ion	Ratio	Lower	Upper
114	100		
63	27.8	22.2	33.2
88	19.0	15.2	22.8



Abundance Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

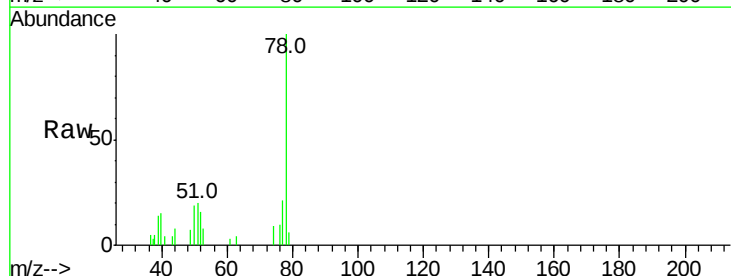
Ion 88.10 (87.80 to 88.80): VL0



#36
 Benzene
 Concen: 0.06 ppbv
 RT: 6.86 min Scan# 1268
 Delta R.T. -0.01 min
 Lab File: VL038426.D
 Acq: 24 Feb 2022 3:16

Tgt Ion: 78 Resp: 11476

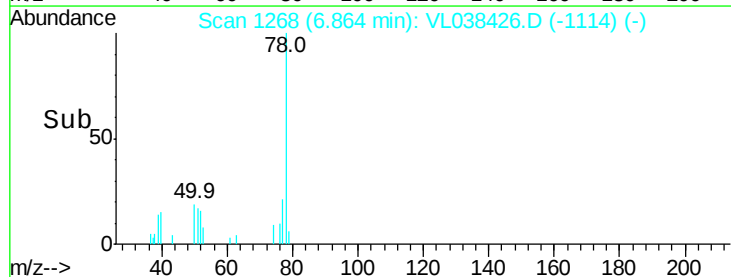
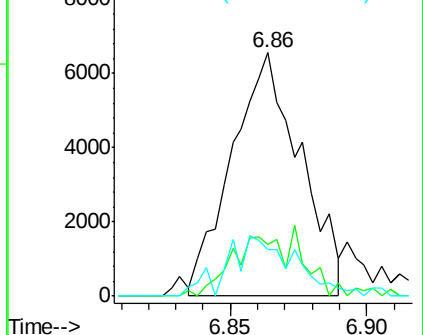
Ion	Ratio	Lower	Upper
78	100		
77	19.3	19.0	28.6
50	16.1	16.6	24.8#

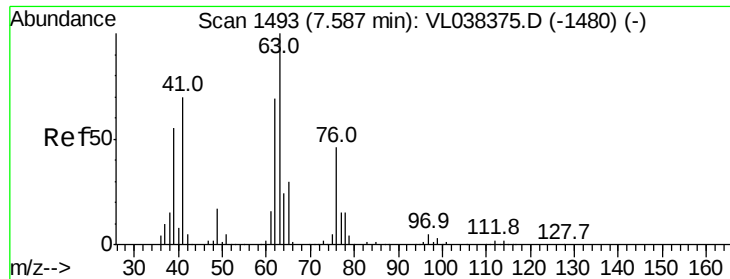


Abundance Ion 78.10 (77.80 to 78.80): VL0

Ion 77.10 (76.80 to 77.80): VL0

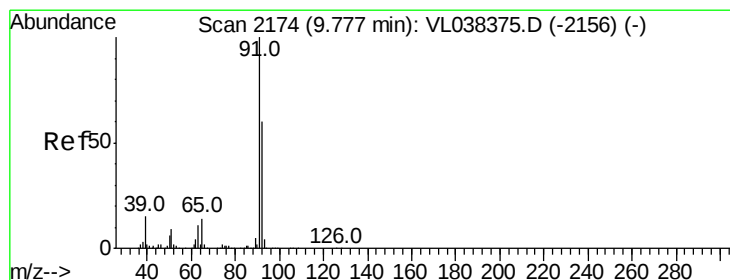
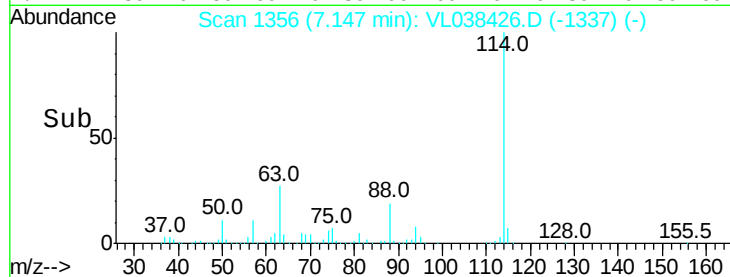
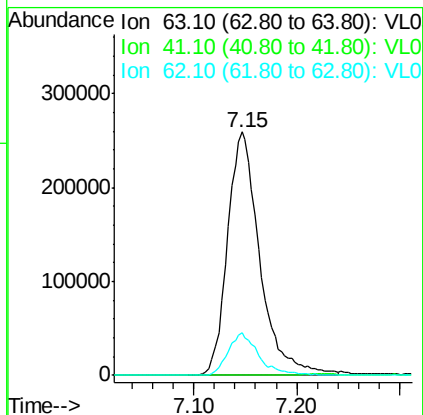
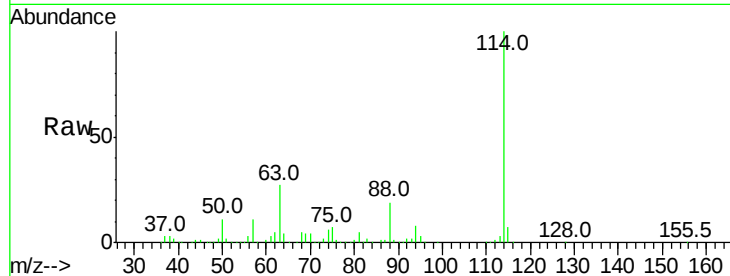
Ion 50.10 (49.80 to 50.80): VL0





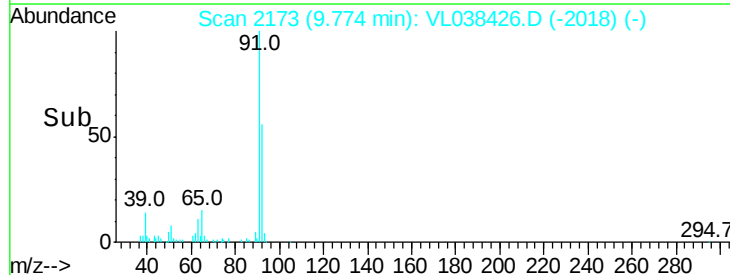
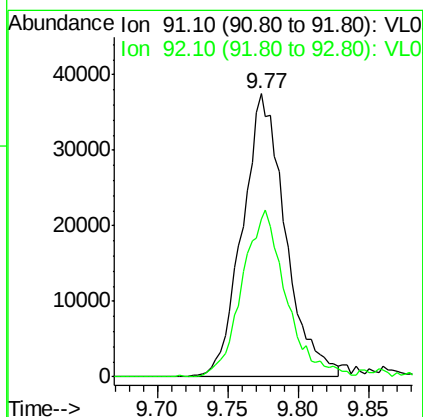
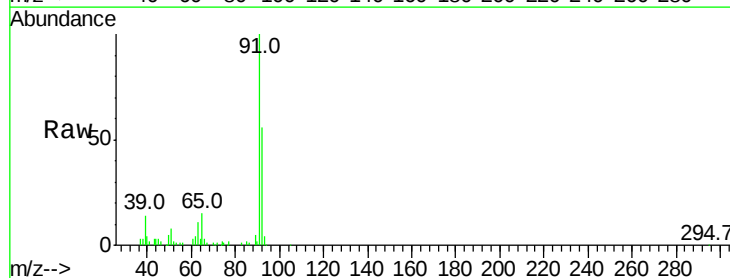
#39
 1,2-Dichloropropane
 Concen: 7.80 ppbv
 RT: 7.15
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 24 Feb 2022 3:16

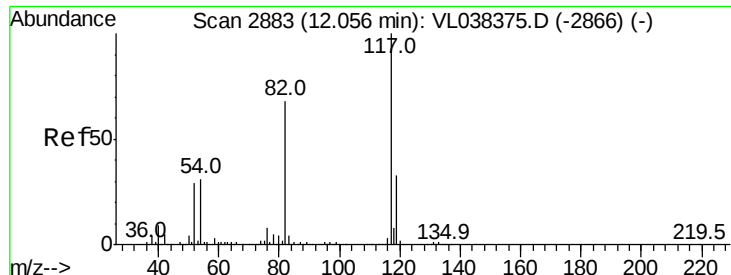
Tgt Ion	Ratio	Lower	Upper
63	100		
41	0.0	56.1	84.1#
62	17.3	55.5	83.3#



#53
 Toluene
 Concen: 0.40 ppbv
 RT: 9.77 min Scan# 2173
 Delta R.T. -0.00 min
 Lab File: VL038426.D
 Acq: 24 Feb 2022 3:16

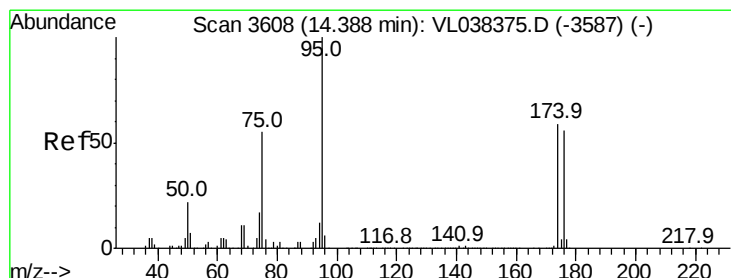
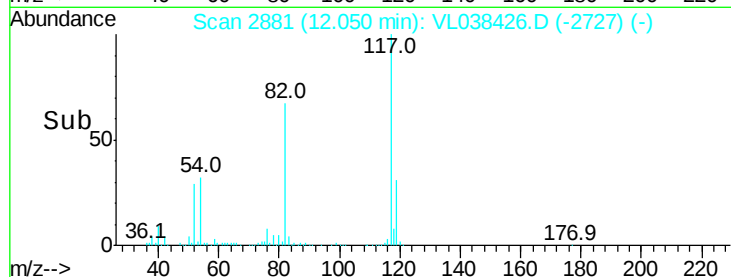
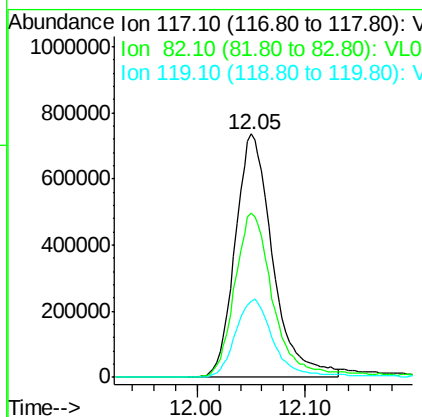
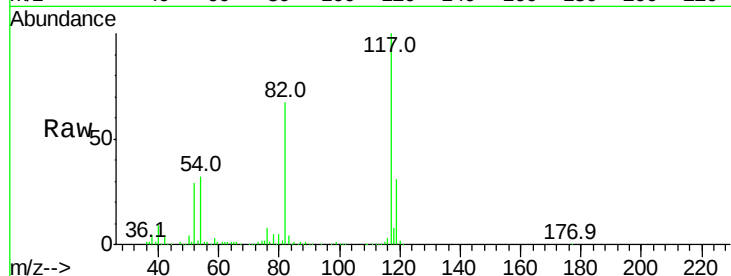
Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.1	48.2	72.4





#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.05 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 24 Feb 2022 3:16

Tgt Ion: 117 Resp: 1774937
 Ion Ratio Lower Upper
 117 100
 82 72.4 54.9 82.3
 119 33.3 46.1 69.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.46 ppbv
 RT: 14.38 min Scan# 3606
 Delta R.T.: -0.01 min
 Lab File: VL038426.D
 Acq: 24 Feb 2022 3:16

Tgt Ion: 95 Resp: 1388906
 Ion Ratio Lower Upper
 95 100
 174 62.1 49.0 73.4
 175 4.3 3.6 5.4

