

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112321\
 Data File : VL038117.D
 Acq On : 24 Nov 2021 2:21
 Operator : SY/AP
 Sample : M4805-11 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-CURVY-BRIDE

Quant Time: Nov 26 04:18:06 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
 QLast Update : Thu Nov 18 13:16:09 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	848827	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	2366431	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.07	117	2049864	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	1696810	11.48	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	114.80%

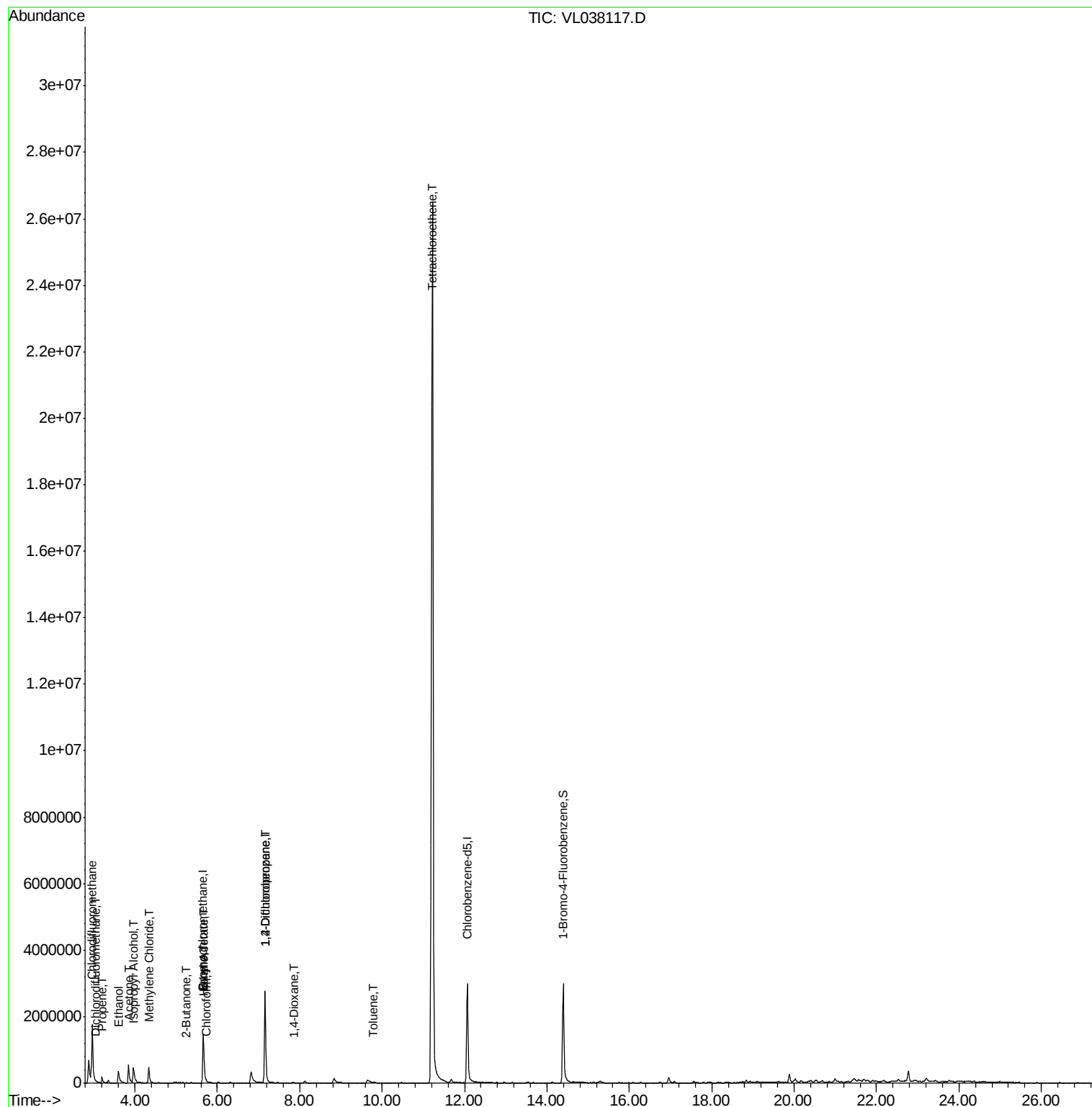
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	6805	0.049	ppbv	97
3) Chlorodifluoromethane	2.96	51	1413201	7.928	ppbv #	61
9) Propene	3.20	41	62260	0.948	ppbv	90
13) Ethanol	3.60	45	519791	81.932	ppbv	91
15) Acetone	3.84	43	724067	9.839	ppbv	96
19) Isopropyl Alcohol	3.96	45	685329	12.888	ppbv #	97
20) Methylene Chloride	4.34	84	203230	4.930	ppbv	98
25) Ethyl Acetate	5.67	43	87570	0.358	ppbv #	80
26) Hexane	5.67	57	117797	0.999	ppbv #	46
29) Chloroform	5.74	83	8364	0.048	ppbv #	79
34) 2-Butanone	5.24	43	10011	0.105	ppbv #	68
39) 1,2-Dichloropropane	7.16	63	608556	6.721	ppbv #	26
40) 1,4-Dioxane	7.84	88	828	0.035	ppbv #	1
52) Tetrachloroethene	11.22	164	9103318	104.224	ppbv	90
53) Toluene	9.79	91	9240	0.034	ppbv #	77

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

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Quant Time: Nov 26 04:18:06 2021
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111821AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Nov 18 13:16:09 2021
QLast Update : Thu Nov 18 13:16:09 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: SG-CURVY-BRIDE

Acq: 24 Nov 2021 2:21

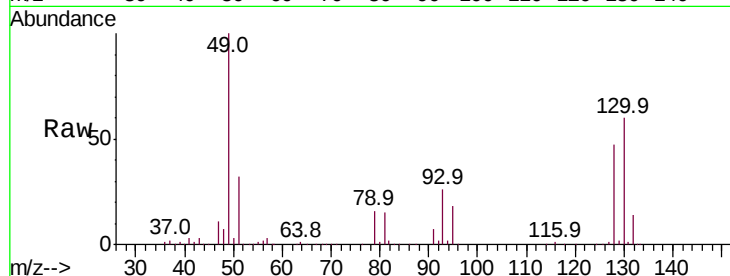
Tot Ion: 49 Resp: 848827

Ion Ratio Lower Upper

49 100

128 47.0 26.5 79.5

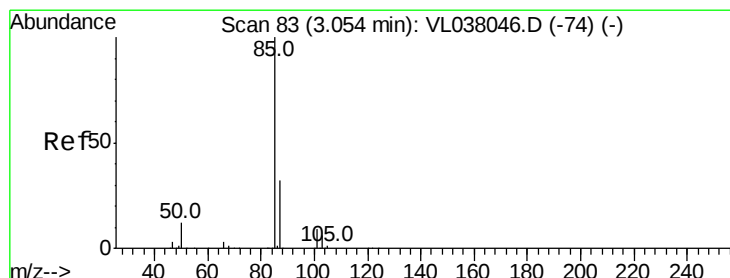
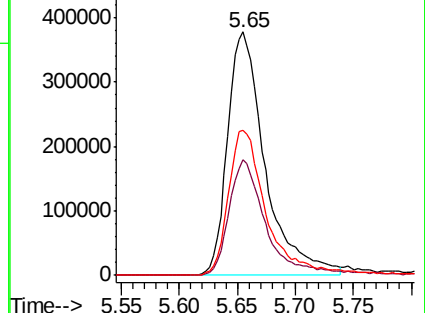
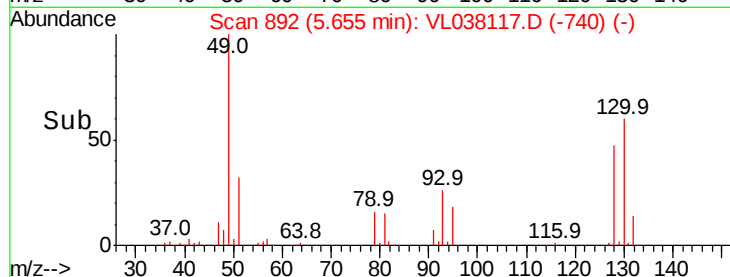
130 61.1 32.5 97.4



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: 0.049 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.01 min

Lab File: VL038117.D

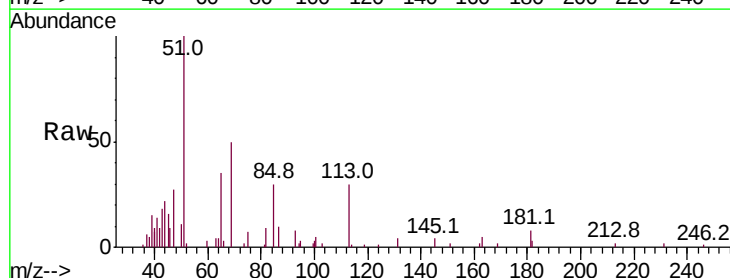
Acq: 24 Nov 2021 2:21

Tgt Ion: 85 Resp: 6805

Ion Ratio Lower Upper

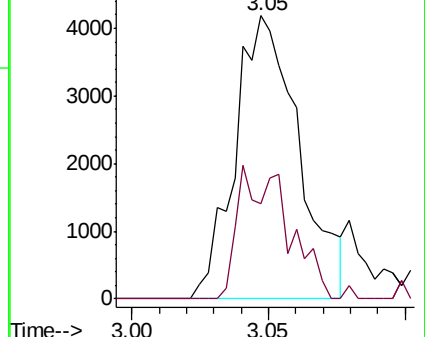
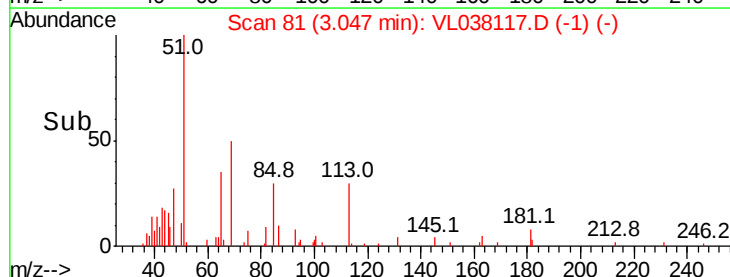
85 100

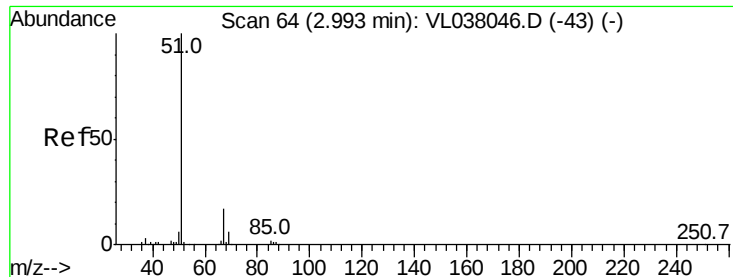
87 33.6 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 7.928 ppbv

RT: 2.96

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

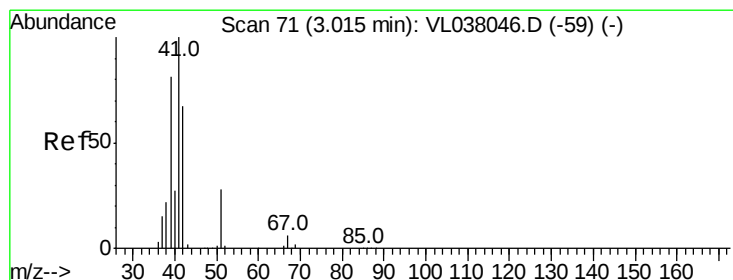
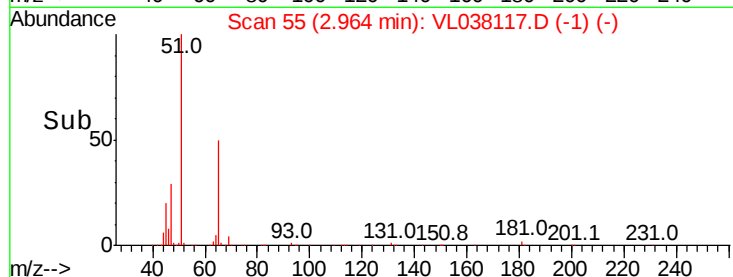
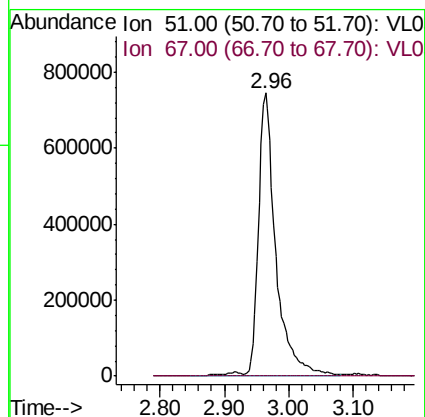
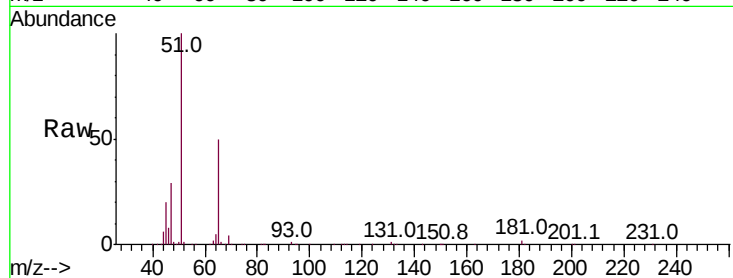
Acq: 24 Nov 2021 2:21

Tot Ion: 51 Resp: 1413201

Ion Ratio Lower Upper

51 100

67 0.1 13.8 20.8#



#9

Propene

Concen: 0.948 ppbv

RT: 3.20 min Scan# 129

Delta R.T. 0.19 min

Lab File: VL038117.D

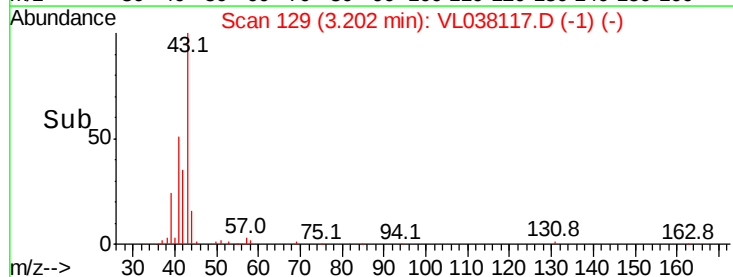
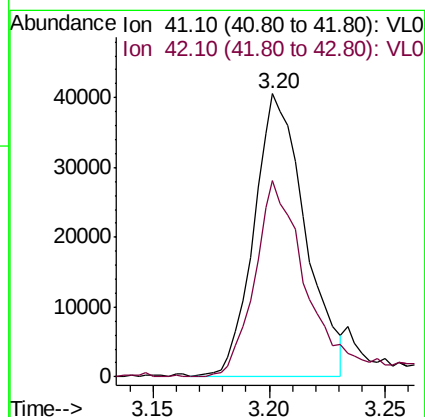
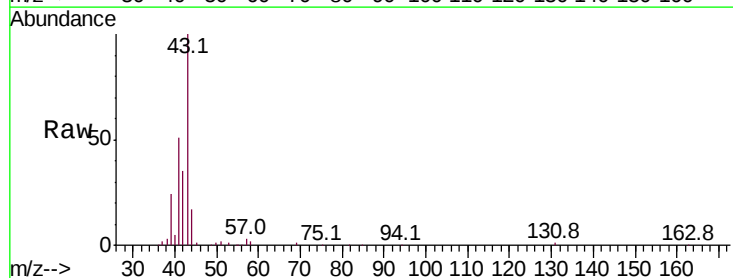
Acq: 24 Nov 2021 2:21

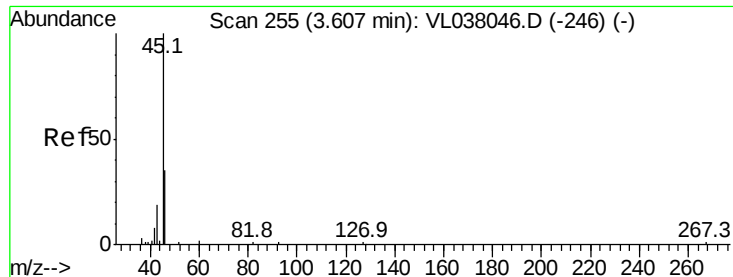
Tgt Ion: 41 Resp: 62260

Ion Ratio Lower Upper

41 100

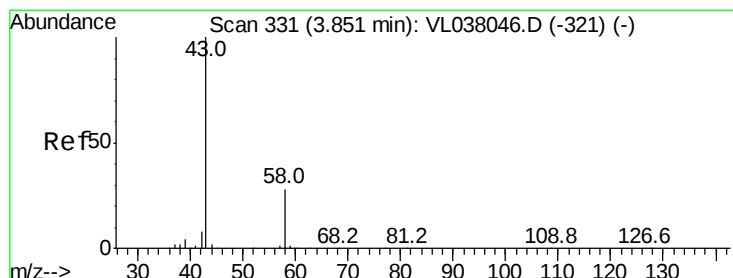
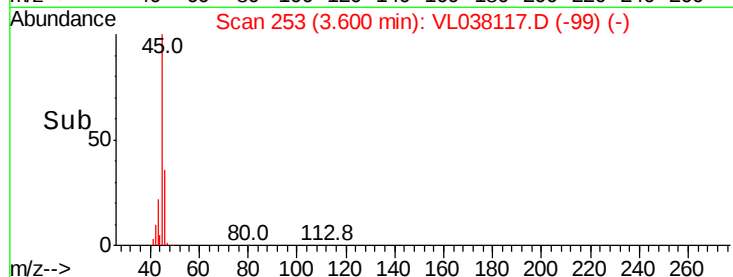
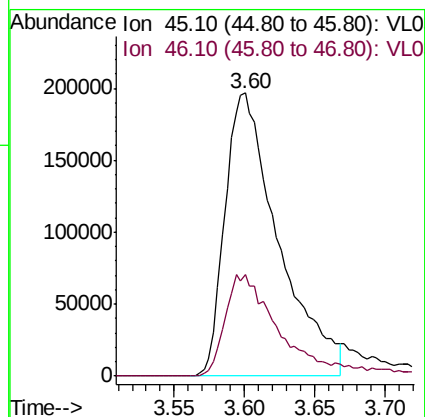
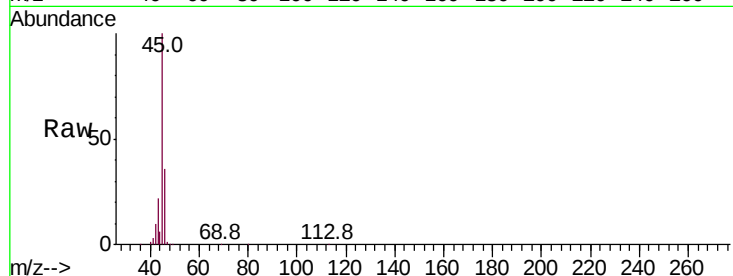
42 75.6 53.8 80.8





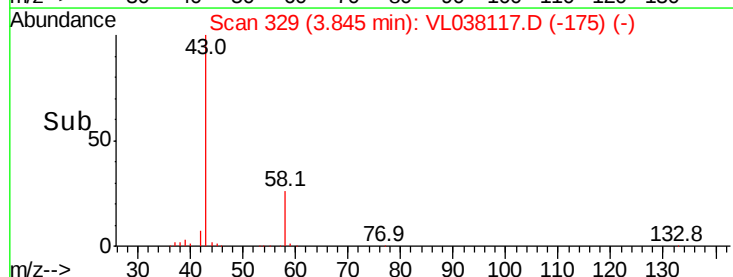
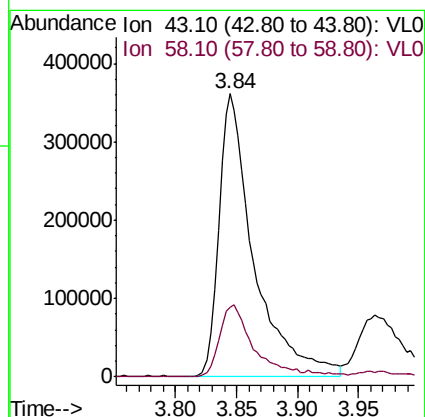
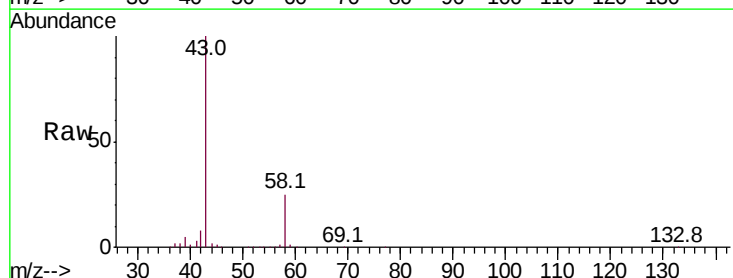
#13
Ethanol
Concen: 81.932 ppbv
RT: 3.60
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
SG-CURVY-BRIDE
Acq: 24 Nov 2021 2:21

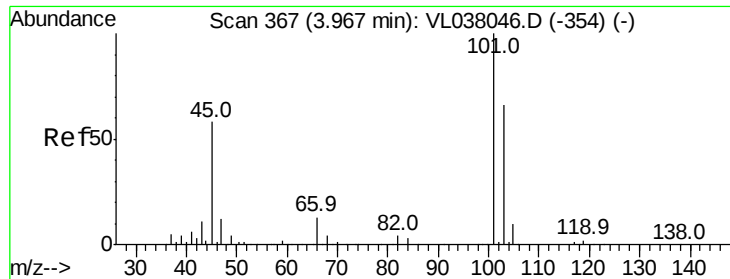
Tot Ion: 45 Resp: 519791
Ion Ratio Lower Upper
45 100
46 38.0 17.6 70.2



#15
Acetone
Concen: 9.839 ppbv
RT: 3.84 min Scan# 329
Delta R.T. -0.01 min
Lab File: VL038117.D
Acq: 24 Nov 2021 2:21

Tgt Ion: 43 Resp: 724067
Ion Ratio Lower Upper
43 100
58 25.9 22.4 33.6





#19

Isopropyl Alcohol

Concen: 12.888 ppbv

RT: 3.96 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

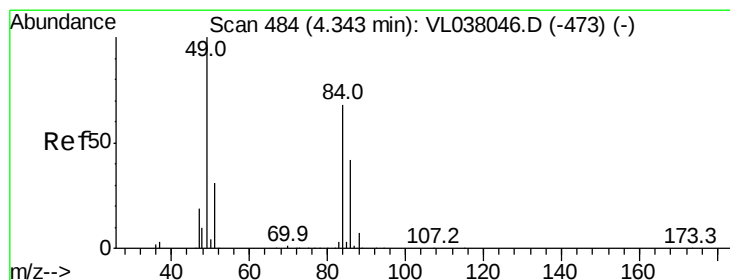
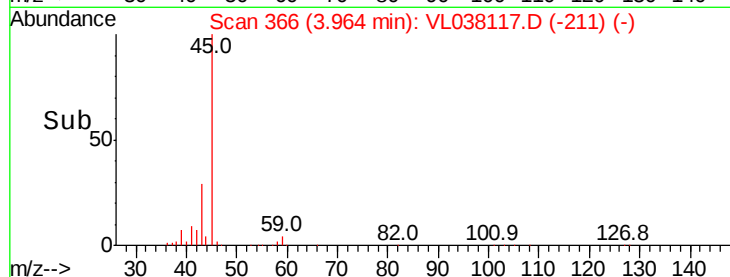
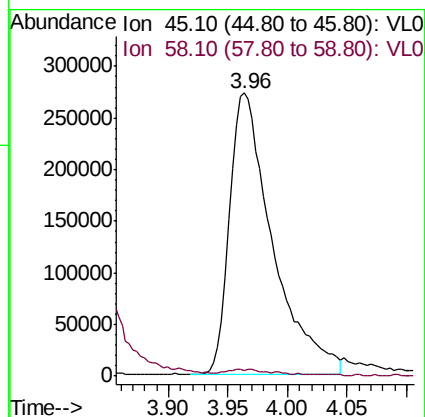
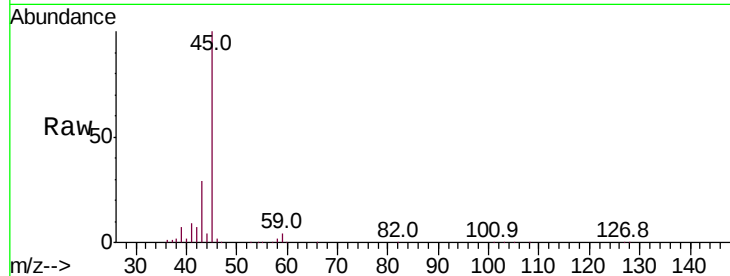
Acq: 24 Nov 2021 2:21 SG-CURVY-BRIDE

Tot Ion: 45 Resp: 685329

Ion Ratio Lower Upper

45 100

58 2.7 1.4 2.0#



#20

Methylene Chloride

Concen: 4.930 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL038117.D

Acq: 24 Nov 2021 2:21

Tgt Ion: 84 Resp: 203230

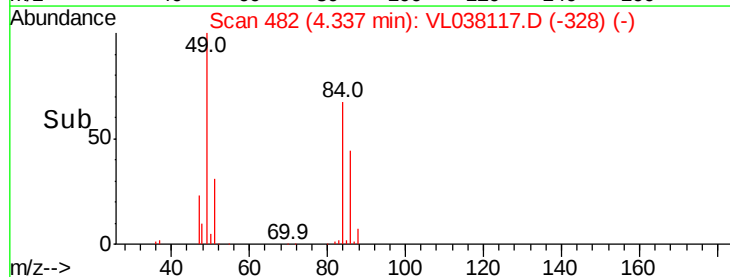
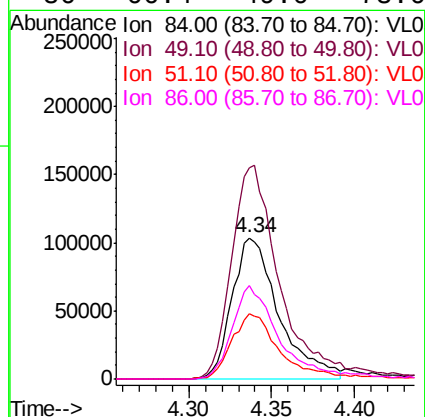
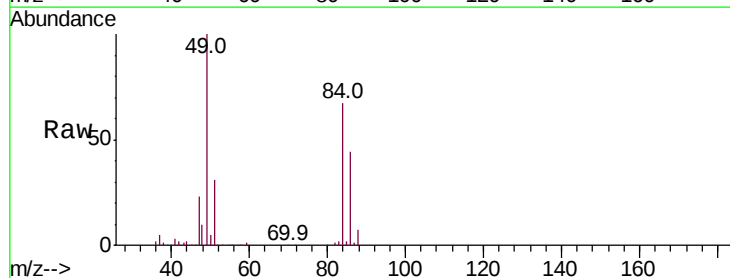
Ion Ratio Lower Upper

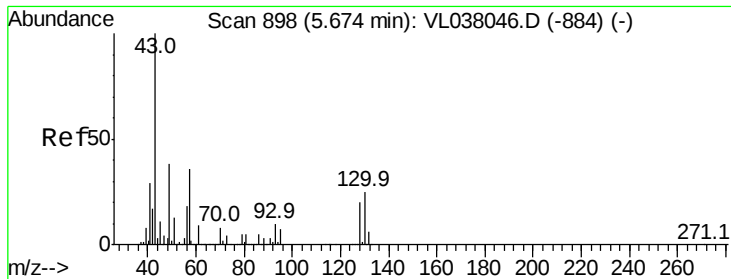
84 100

49 149.0 118.2 177.2

51 45.9 36.8 55.2

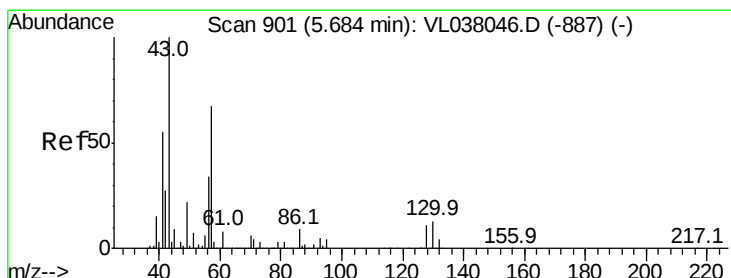
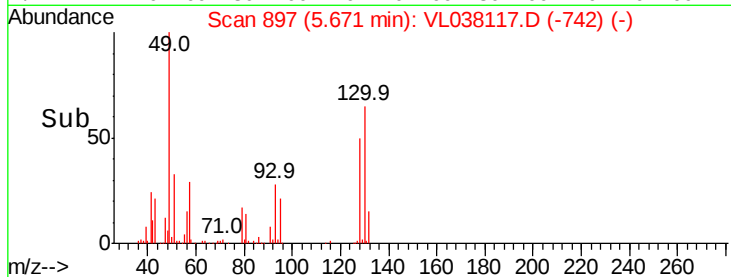
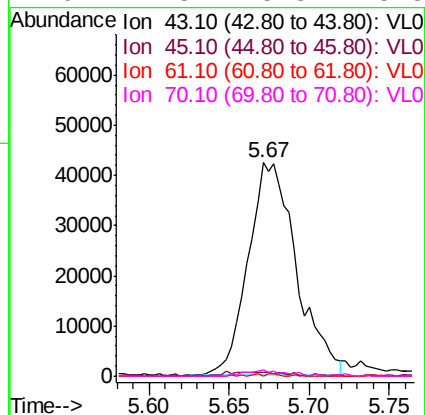
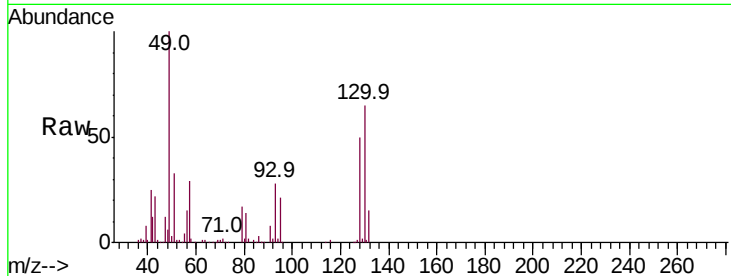
86 66.4 49.0 73.6





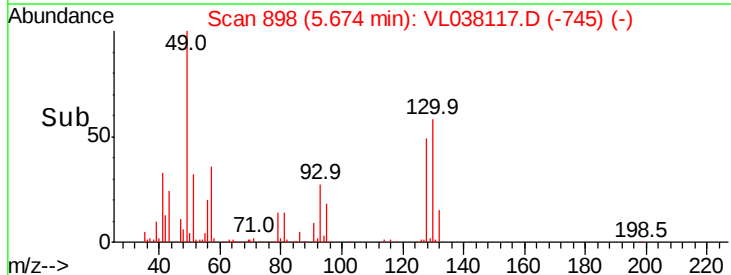
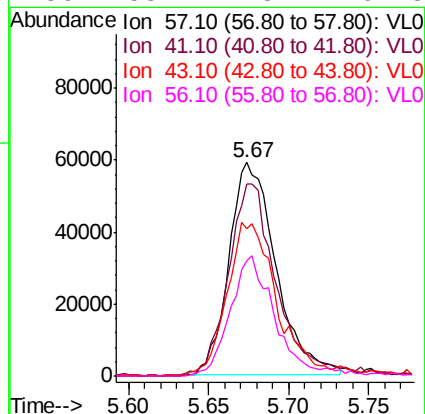
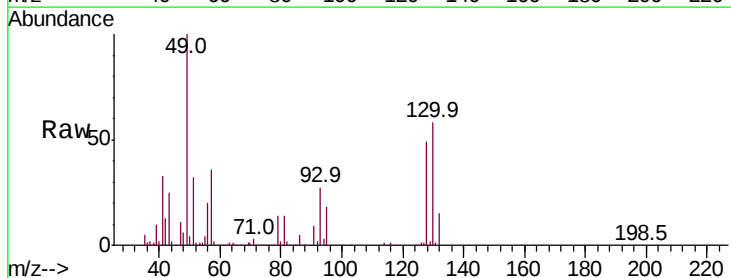
#25
Ethyl Acetate
Concen: 0.358 ppbv
RT: 5.67 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Nov 2021 2:21 SG-CURVY-BRIDE

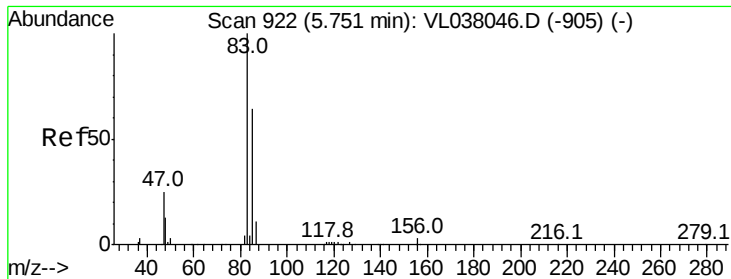
Tot Ion:	43	Resp:	87570
Ion	Ratio	Lower	Upper
43	100		
45	2.7	7.9	11.9#
61	0.7	7.8	11.6#
70	2.8	5.8	8.8#



#26
Hexane
Concen: 0.999 ppbv
RT: 5.67 min Scan# 898
Delta R.T. -0.01 min
Lab File: VL038117.D
Acq: 24 Nov 2021 2:21

Tgt Ion:	57	Resp:	117797
Ion	Ratio	Lower	Upper
57	100		
41	93.1	71.4	107.2
43	78.8	174.6	261.8#
56	55.1	43.2	64.8





#29

Chloroform

Concen: 0.048 ppbv

RT: 5.74 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

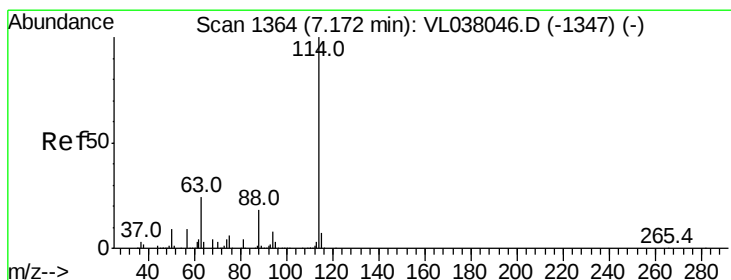
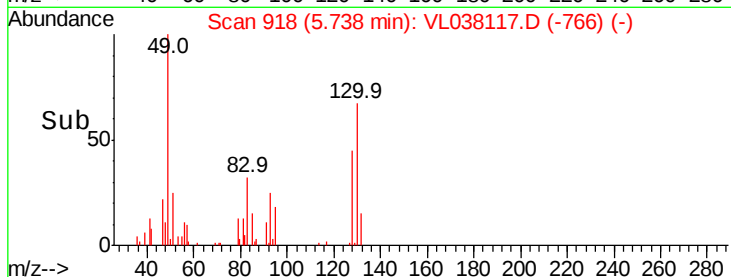
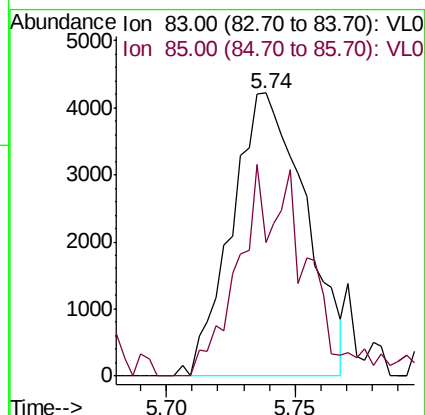
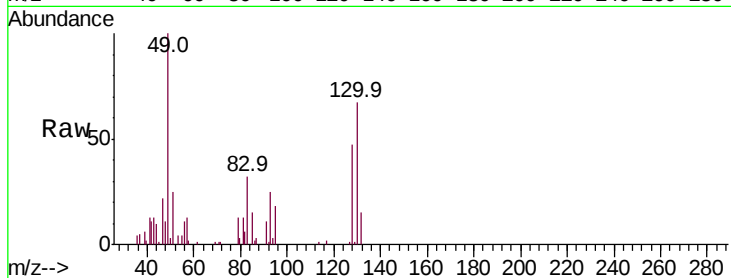
Acq: 24 Nov 2021 2:21 SG-CURVY-BRIDE

Tot Ion: 83 Resp: 8364

Ion Ratio Lower Upper

83 100

85 47.4 51.0 76.6#



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1360

Delta R.T. -0.01 min

Lab File: VL038117.D

Acq: 24 Nov 2021 2:21

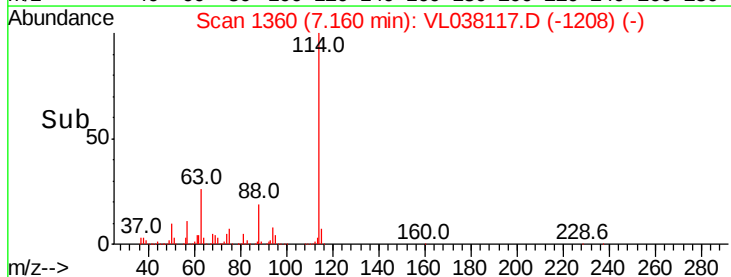
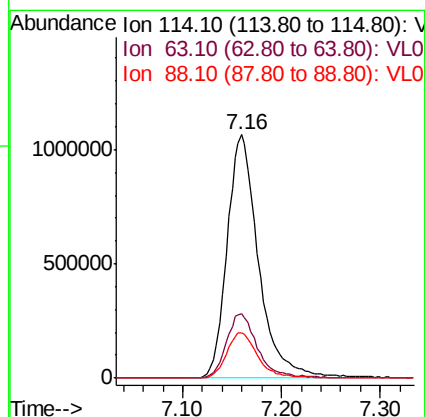
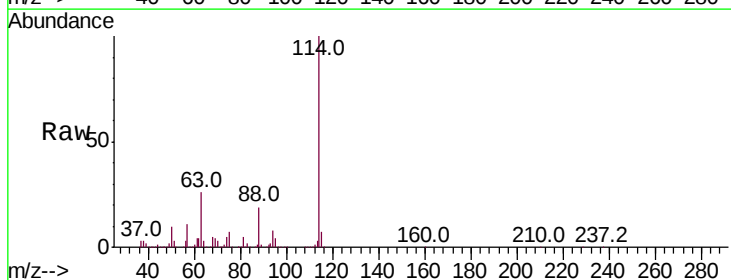
Tgt Ion: 114 Resp: 2366431

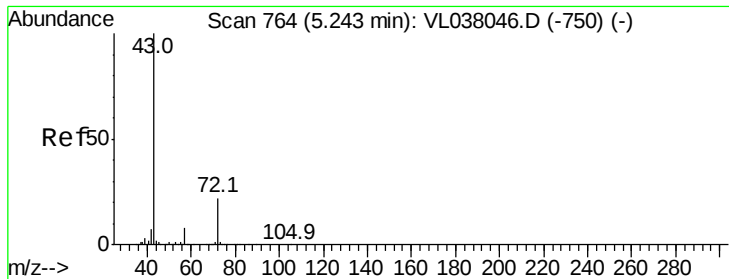
Ion Ratio Lower Upper

114 100

63 26.7 19.7 29.5

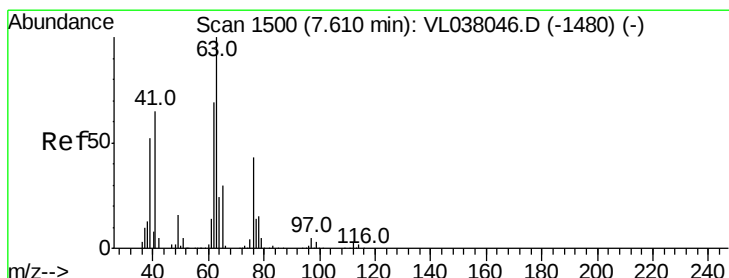
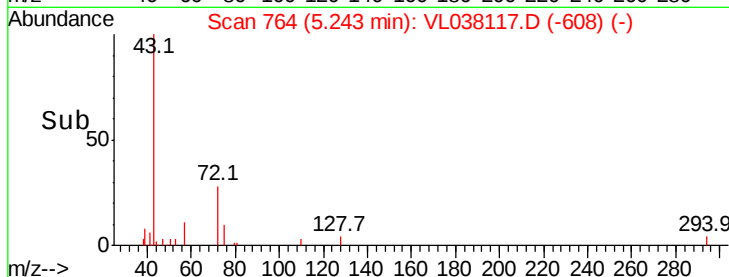
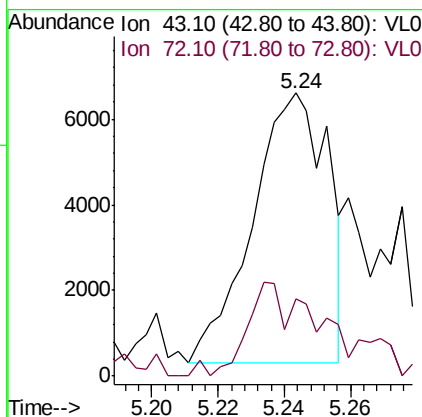
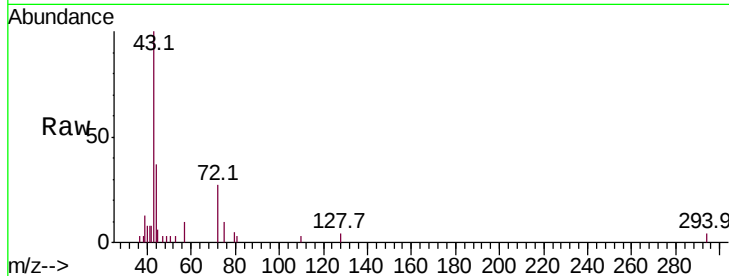
88 18.9 14.4 21.6





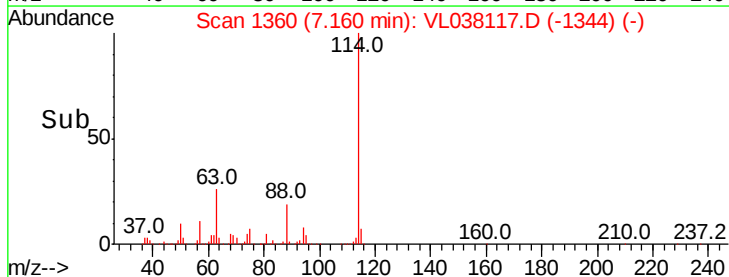
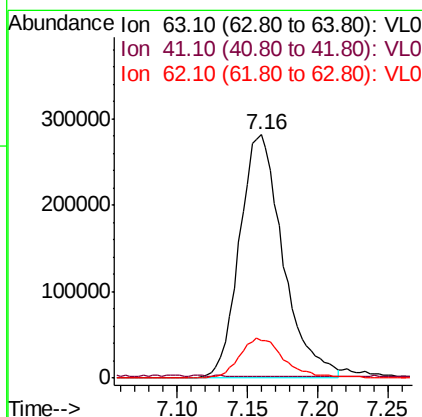
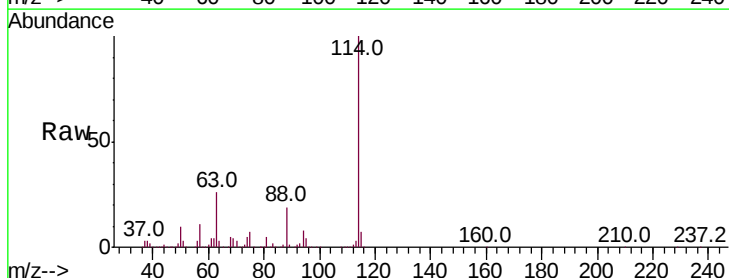
#34
2-Butanone
Concen: 0.105 ppbv
RT: 5.24
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 24 Nov 2021 SG-CURVY-BRIDE 2:21

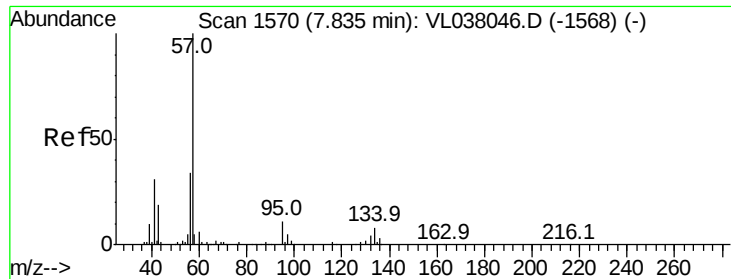
Tot Ion: 43 Resp: 10011
Ion Ratio Lower Upper
43 100
72 39.1 18.8 28.2#



#39
1,2-Dichloropropane
Concen: 6.721 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. -0.45 min
Lab File: VL038117.D
Acq: 24 Nov 2021 2:21

Tgt Ion: 63 Resp: 608556
Ion Ratio Lower Upper
63 100
41 0.0 52.3 78.5#
62 15.4 55.1 82.7#





#40

1,4-Dioxane

Concen: 0.035 ppbv

RT: 7.84 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 24 Nov 2021 2:21 SG-CURVY-BRIDE

Tot Ion: 88 Resp: 828

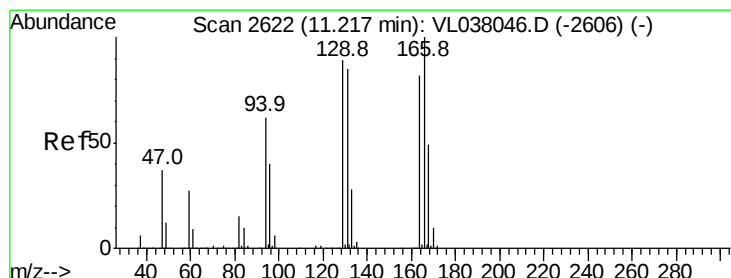
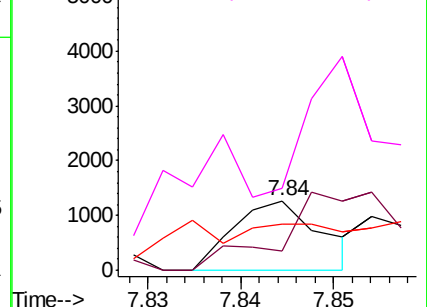
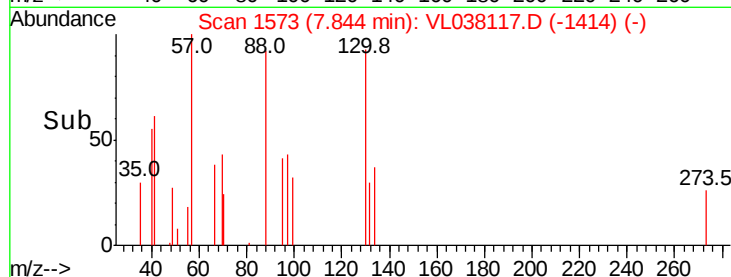
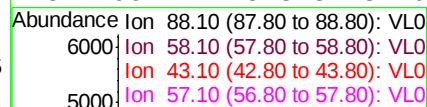
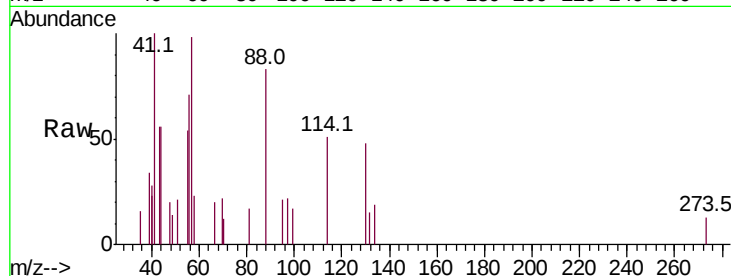
Ion Ratio Lower Upper

88 100

58 329.3 229.2 343.8

43 0.0 553.3 829.9#

57 997.1 2513.8 3770.8#



#52

Tetrachloroethene

Concen: 104.224 ppbv

RT: 11.22 min Scan# 2624

Delta R.T. 0.01 min

Lab File: VL038117.D

Acq: 24 Nov 2021 2:21

Tgt Ion:164 Resp: 9103318

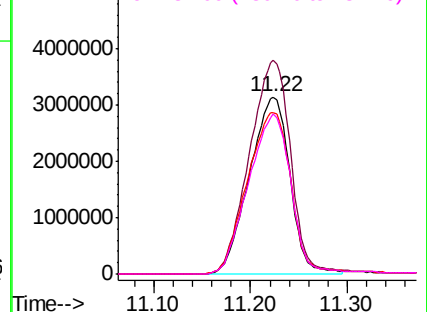
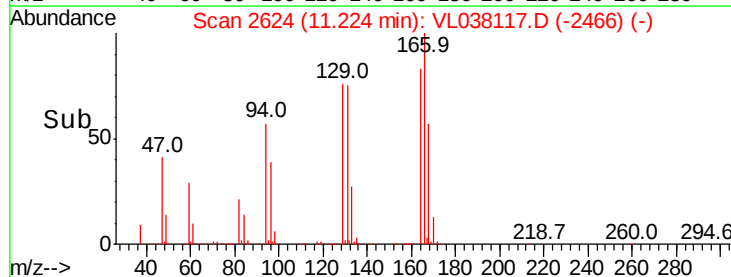
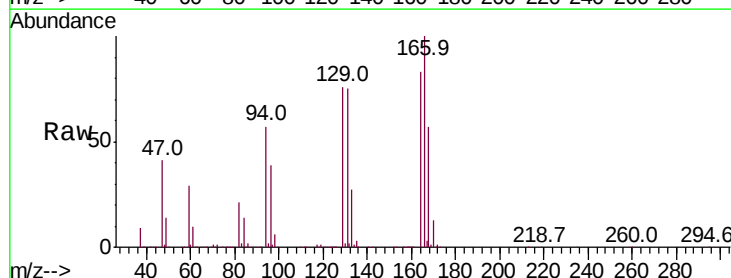
Ion Ratio Lower Upper

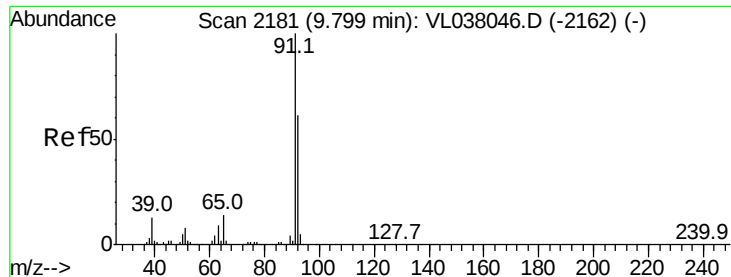
164 100

166 120.7 97.2 145.8

129 91.3 86.9 130.3

131 90.3 82.8 124.2





#53

Toluene

Concen: 0.034 ppbv

RT: 9.79 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

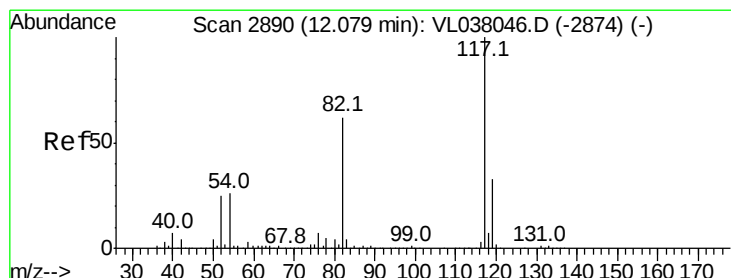
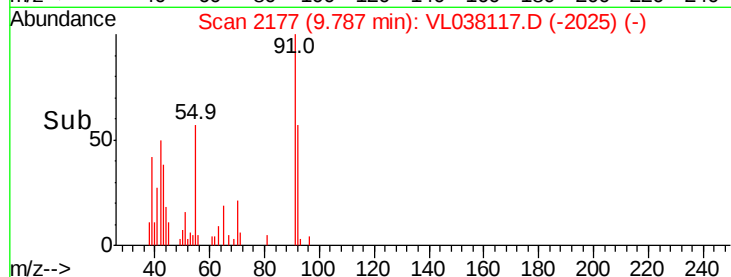
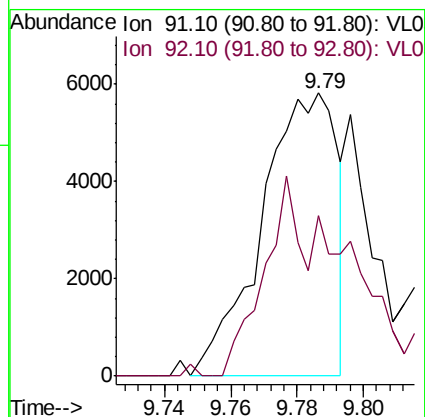
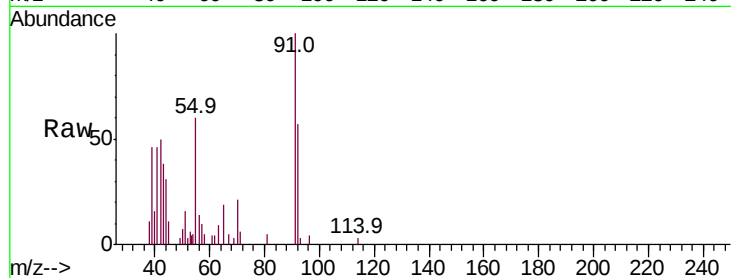
Acq: 24 Nov 2021 2:21 SG-CURVY-BRIDE

Tot Ion: 91 Resp: 9240

Ion Ratio Lower Upper

91 100

92 79.6 49.7 74.5#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.01 min

Lab File: VL038117.D

Acq: 24 Nov 2021 2:21

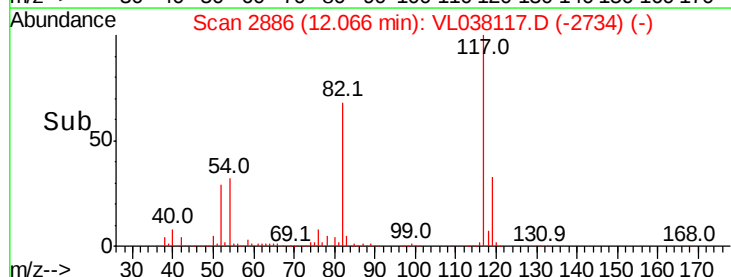
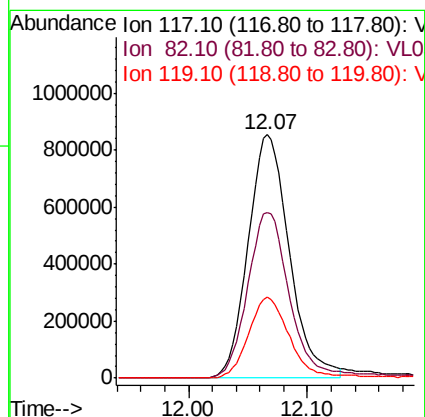
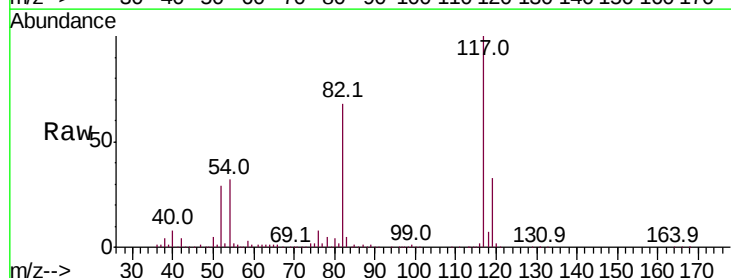
Tgt Ion:117 Resp: 2049864

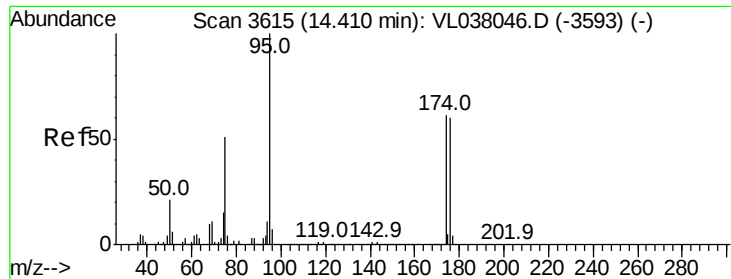
Ion Ratio Lower Upper

117 100

82 72.2 52.8 79.2

119 34.2 26.8 40.2





#68

1-Bromo-4-Fluorobenzene

Concen: 11.476 ppbv

RT: 14.39

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

Acq: 24 Nov 2021 2.21

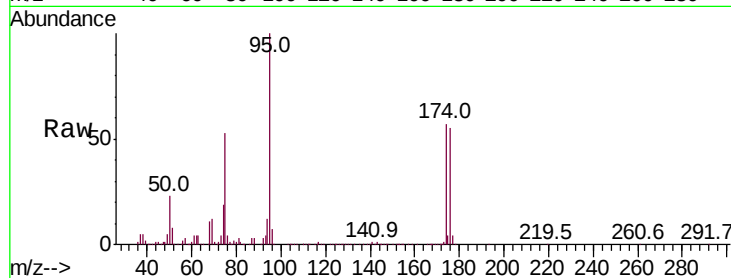
Tot Ion: 95 Resp: 1696810

Ion Ratio Lower Upper

95 100

174 60.1 53.1 79.7

175 4.4 4.0 6.0



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

