

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121421\
 Data File : VL038176.D
 Acq On : 14 Dec 2021 21:22
 Operator : SY/AP
 Sample : M5075-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 15 04:57:47 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	5.63	49	1060189	10.00	ppbv	-0.04
33) 1,4-Difluorobenzene	7.13	114	2754720	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.03	117	2406236	10.00	ppbv	-0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.36	95	1875964	10.81	ppbv	-0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.10%

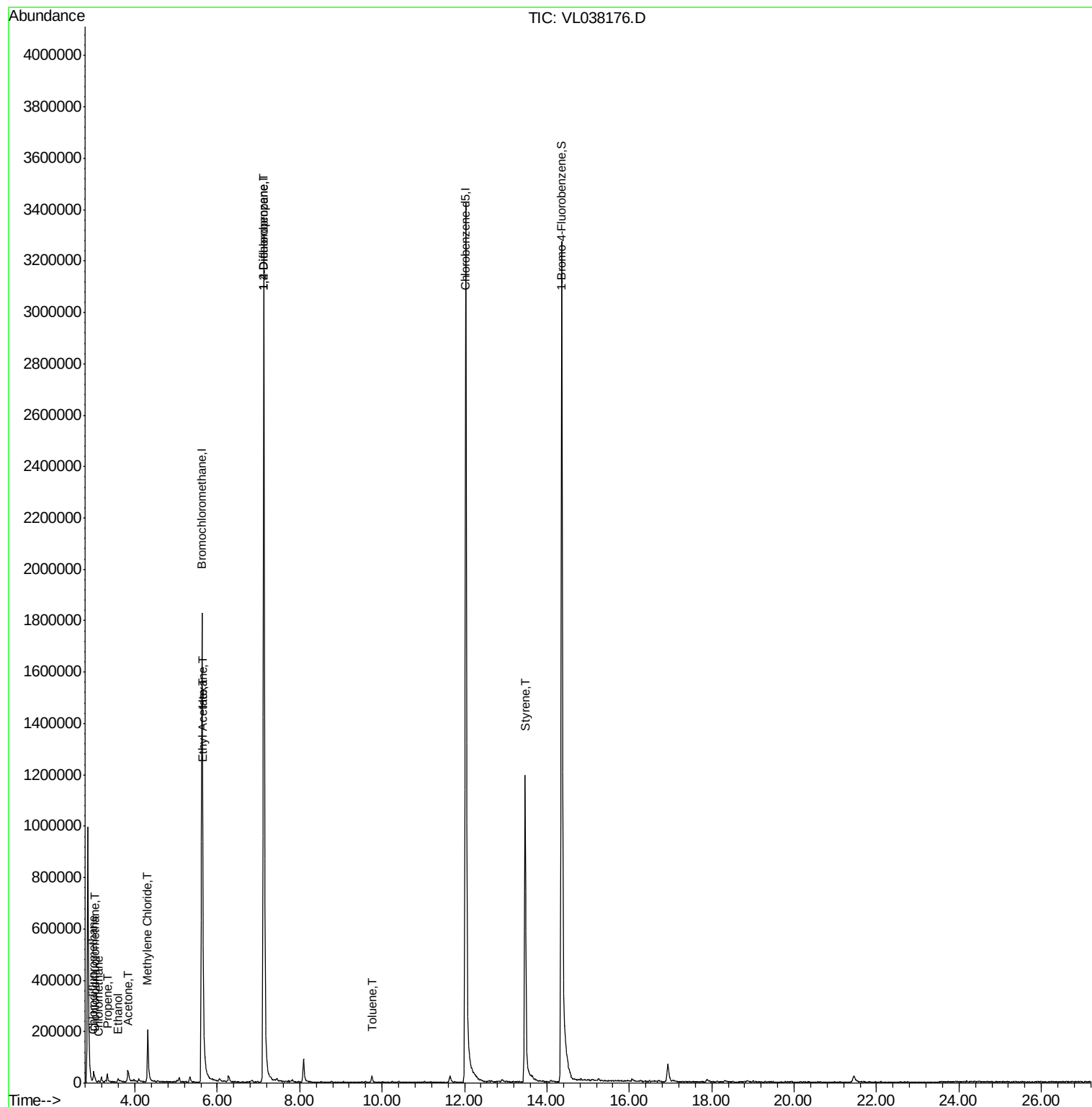
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	7946	0.045	ppbv	92
3) Chlorodifluoromethane	2.97	51	8622	0.039	ppbv #	88
4) Chloromethane	3.12	50	2391	0.032	ppbv	99
9) Propene	3.33	41	5203	0.063	ppbv	83
13) Ethanol	3.58	45	1182	0.149	ppbv #	32
15) Acetone	3.83	43	46932	0.511	ppbv	95
20) Methylene Chloride	4.31	84	79101	1.536	ppbv	97
25) Ethyl Acetate	5.65	43	39953	0.131	ppbv #	76
26) Hexane	5.65	57	55707	0.378	ppbv #	45
39) 1,2-Dichloropropane	7.13	63	738567	7.007	ppbv #	27
53) Toluene	9.75	91	15884	0.050	ppbv	97
61) Styrene	13.47	104	750956	4.510	ppbv	93

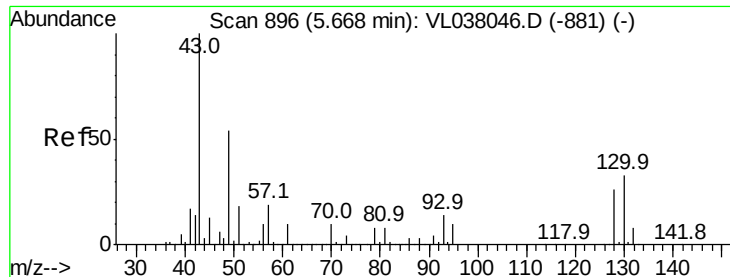
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL121421\
Data File : VL038176.D
Acq On : 14 Dec 2021 21:22
Operator : SY/AP
Sample : M5075-02DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Dec 15 04:57:47 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: 5.63 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 14 Dec 2021 21:22

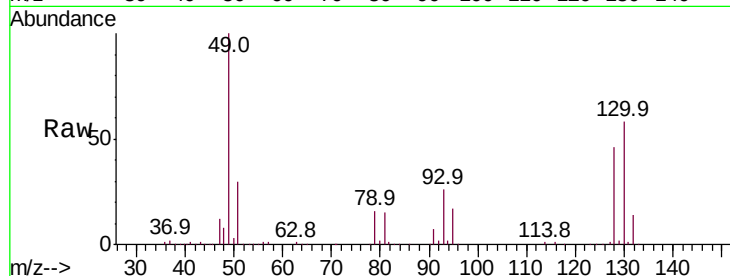
Tot Ion: 49 Resp: 1060189

Ion Ratio Lower Upper

49 100

128 46.9 26.5 79.5

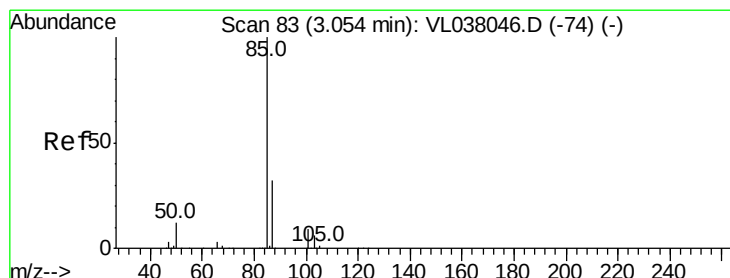
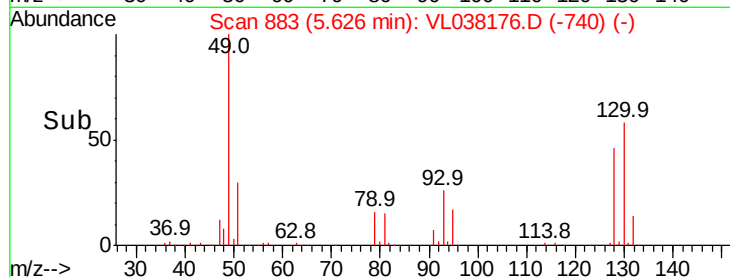
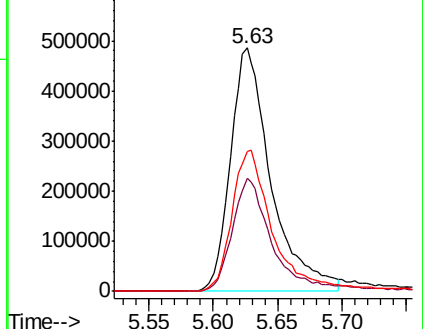
130 60.5 32.5 97.4



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: 0.045 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.03 min

Lab File: VL038176.D

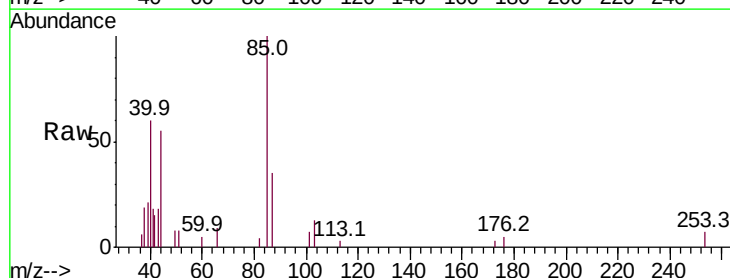
Acq: 14 Dec 2021 21:22

Tgt Ion: 85 Resp: 7946

Ion Ratio Lower Upper

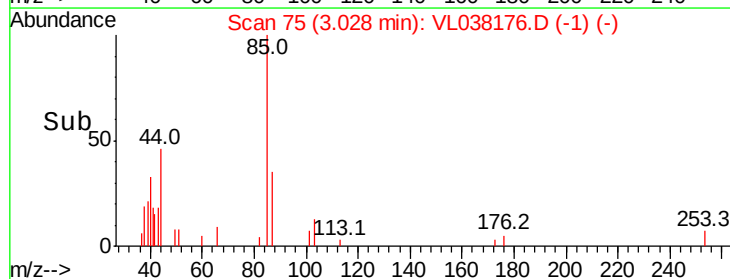
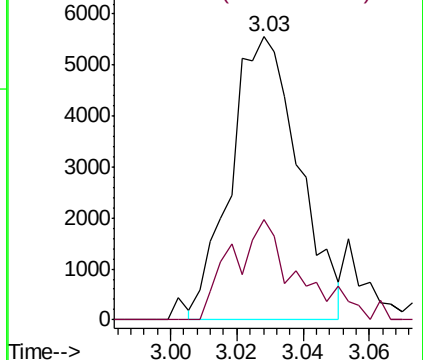
85 100

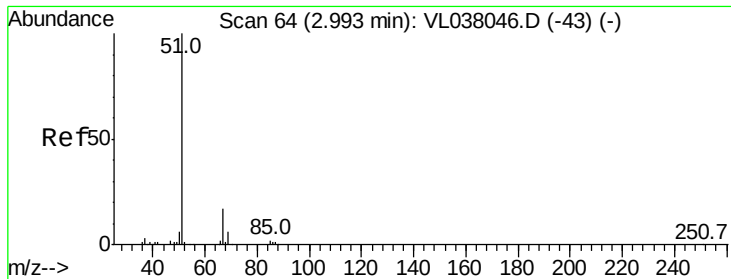
87 36.7 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.97 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

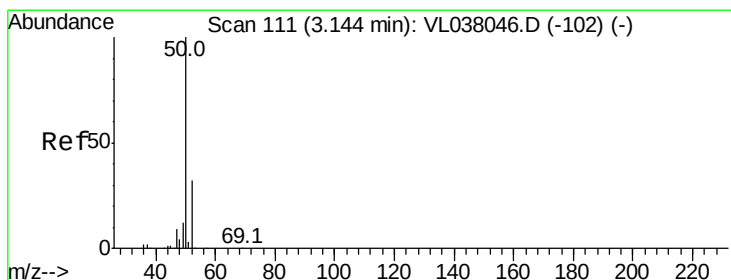
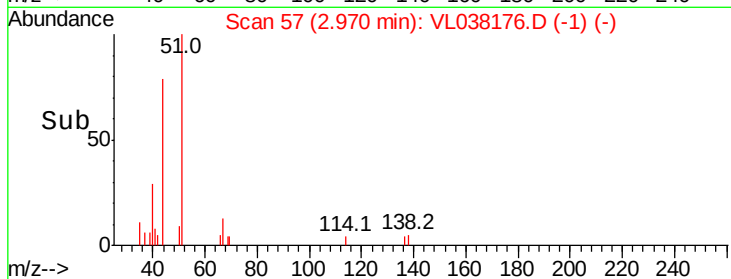
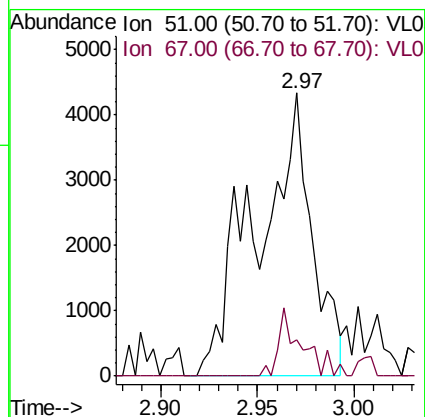
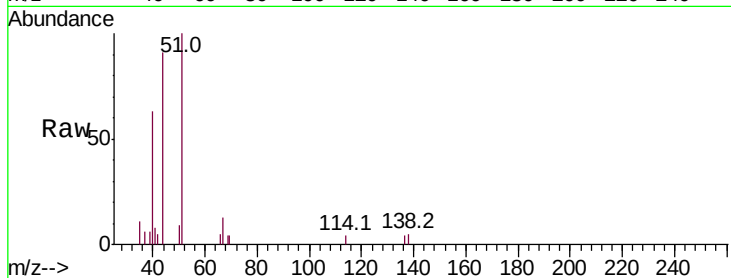
Acq: 14 Dec 2021 21:22

Tot Ion: 51 Resp: 8622

Ion Ratio Lower Upper

51 100

67 11.9 13.8 20.8#



#4

Chloromethane

Concen: 0.032 ppbv

RT: 3.12 min Scan# 103

Delta R.T. -0.03 min

Lab File: VL038176.D

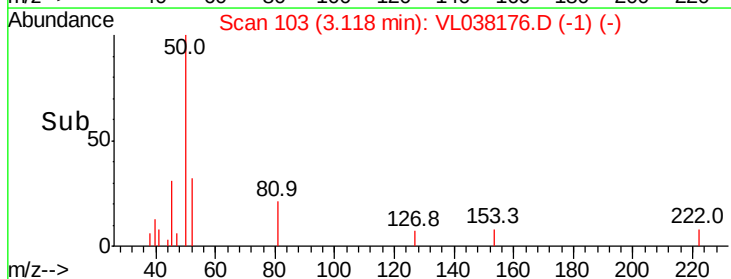
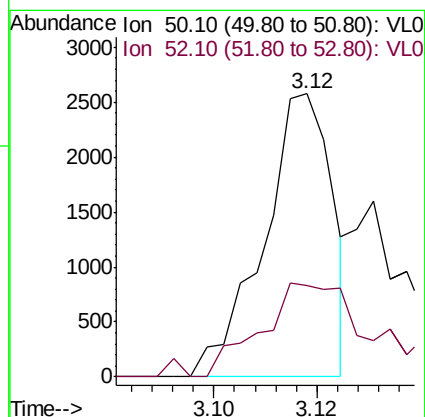
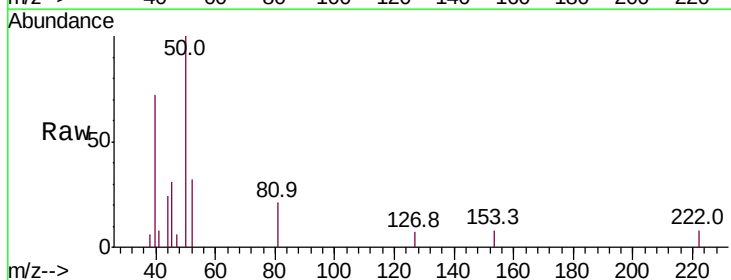
Acq: 14 Dec 2021 21:22

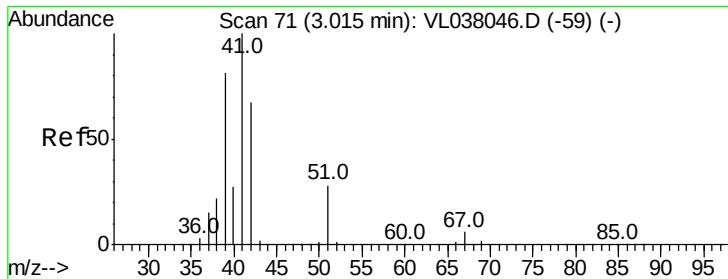
Tgt Ion: 50 Resp: 2391

Ion Ratio Lower Upper

50 100

52 32.2 25.4 38.0





#9

Propene

Concen: 0.063 ppbv

RT: 3.33 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

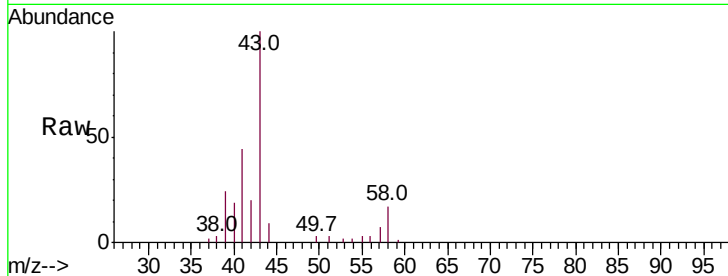
Acq: 14 Dec 2021 21:22

Tot Ion: 41 Resp: 5203

Ion Ratio Lower Upper

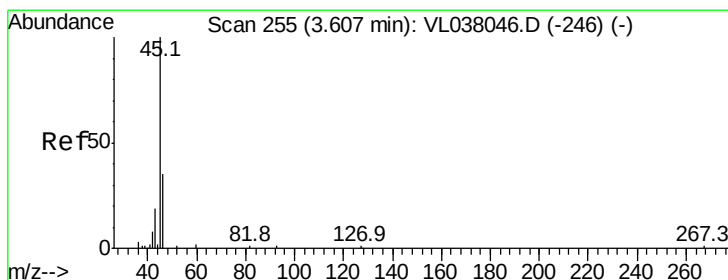
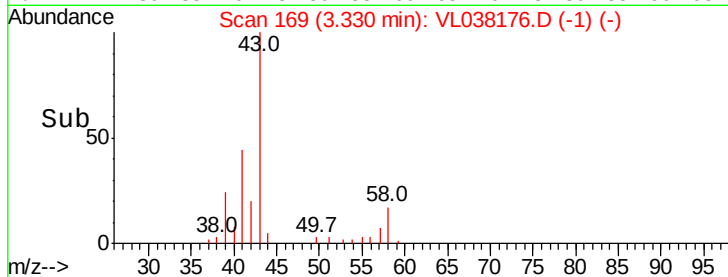
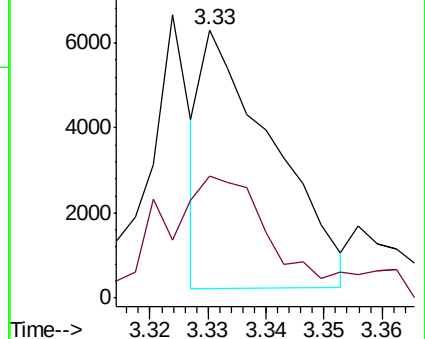
41 100

42 80.7 53.8 80.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#13

Ethanol

Concen: 0.149 ppbv

RT: 3.58 min Scan# 248

Delta R.T. -0.02 min

Lab File: VL038176.D

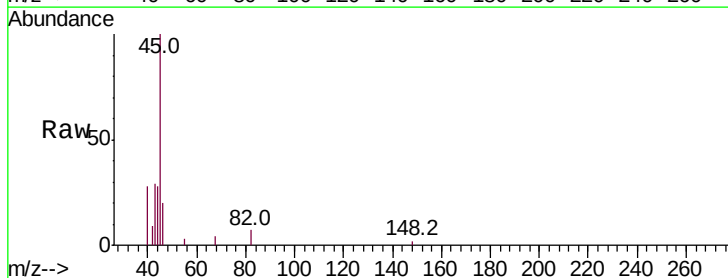
Acq: 14 Dec 2021 21:22

Tgt Ion: 45 Resp: 1182

Ion Ratio Lower Upper

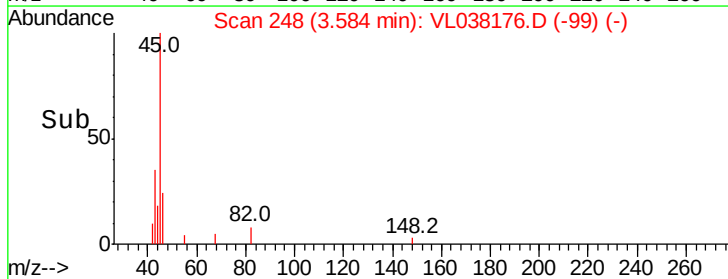
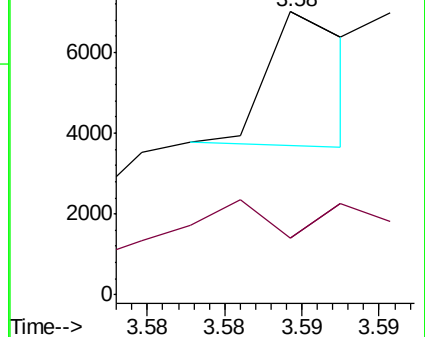
45 100

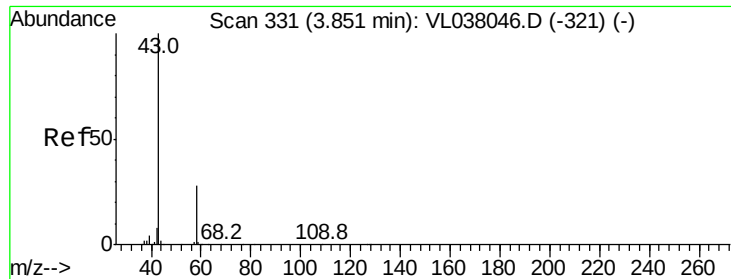
46 0.0 17.6 70.2#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.511 ppbv

RT: 3.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

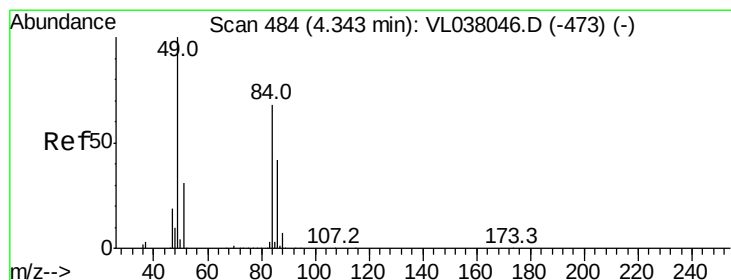
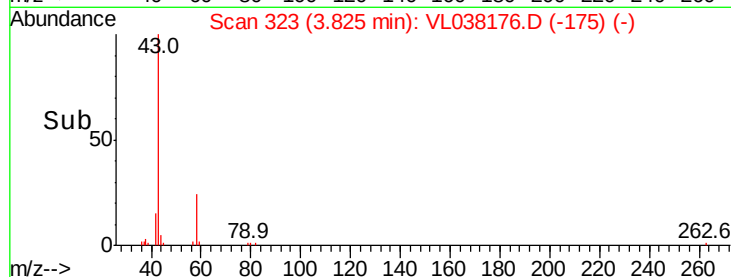
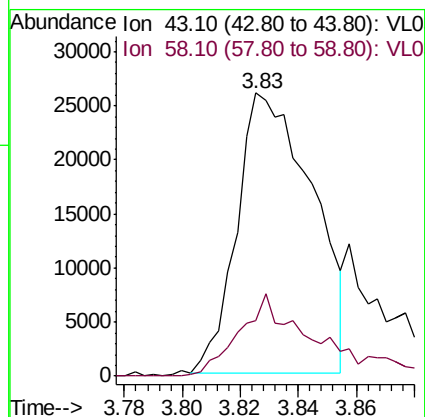
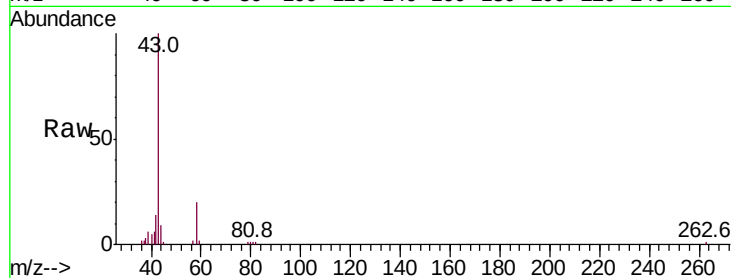
Acq: 14 Dec 2021 21:22

Tot Ion: 43 Resp: 46932

Ion Ratio Lower Upper

43 100

58 30.8 22.4 33.6



#20

Methylene Chloride

Concen: 1.536 ppbv

RT: 4.31 min Scan# 474

Delta R.T. -0.03 min

Lab File: VL038176.D

Acq: 14 Dec 2021 21:22

Tgt Ion: 84 Resp: 79101

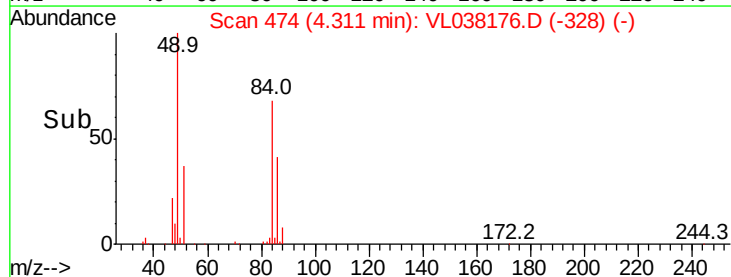
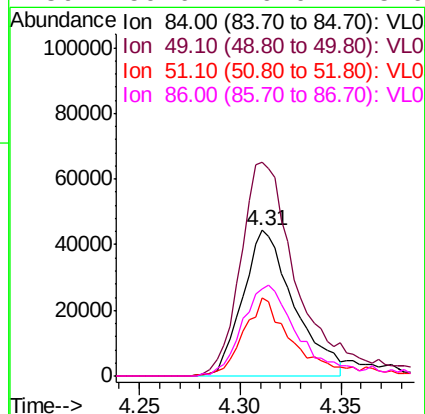
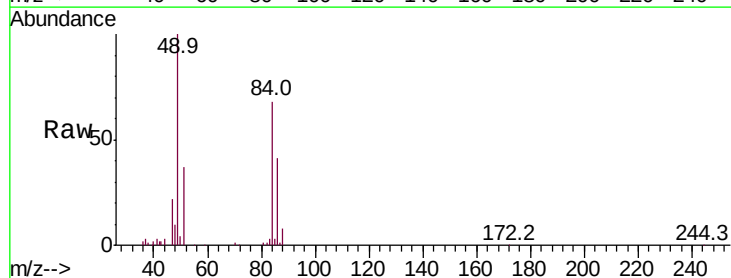
Ion Ratio Lower Upper

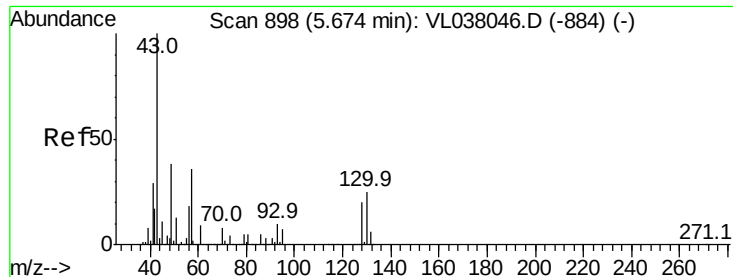
84 100

49 146.7 118.2 177.2

51 54.0 36.8 55.2

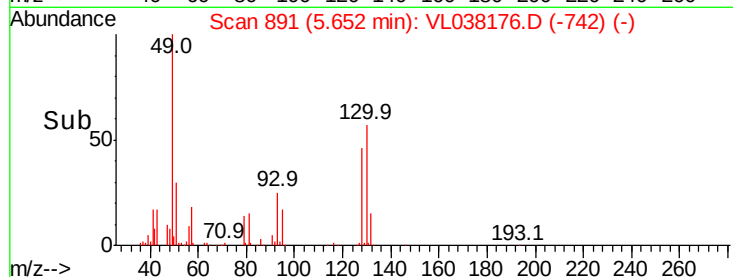
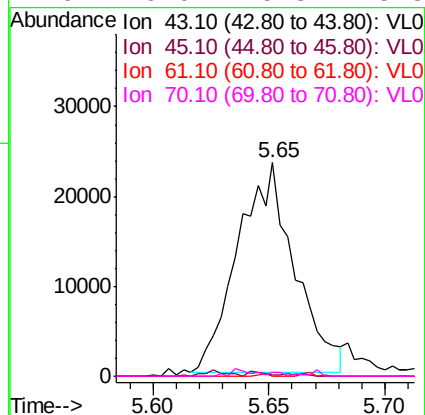
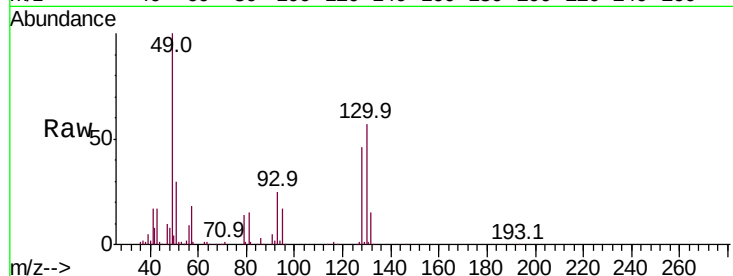
86 59.6 49.0 73.6





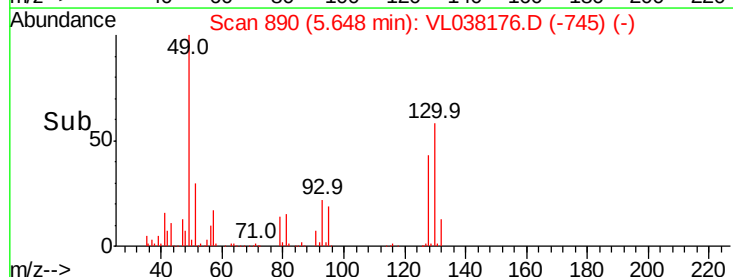
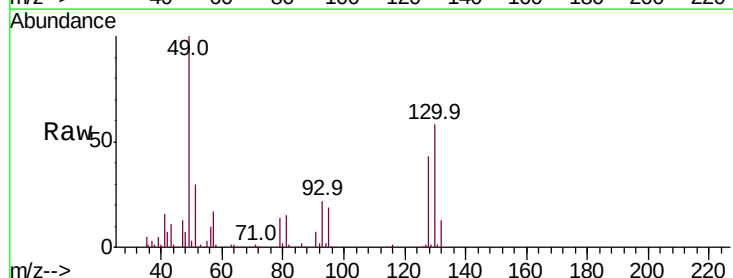
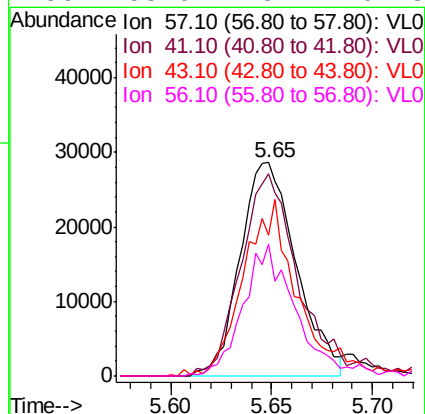
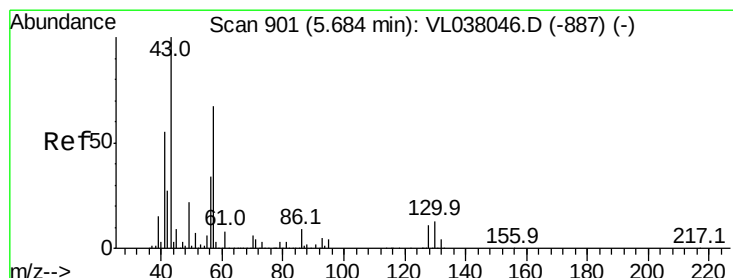
#25
Ethyl Acetate
Concen: 0.131 ppbv
RT: 5.65 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 14 Dec 2021 21:22

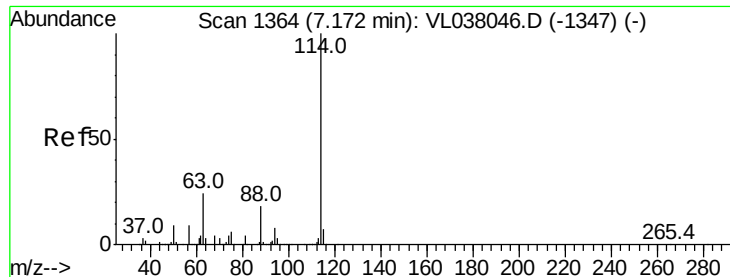
Tot Ion:	43	Resp:	39953
Ion	Ratio	Lower	Upper
43	100		
45	1.3	7.9	11.9#
61	0.3	7.8	11.6#
70	0.0	5.8	8.8#



#26
Hexane
Concen: 0.378 ppbv
RT: 5.65 min Scan# 890
Delta R.T. -0.04 min
Lab File: VL038176.D
Acq: 14 Dec 2021 21:22

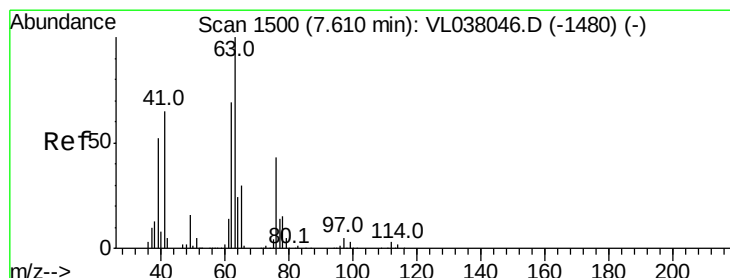
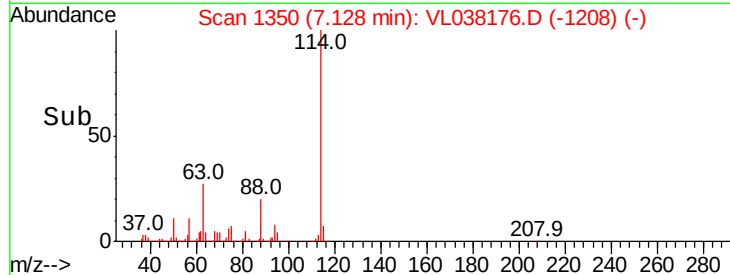
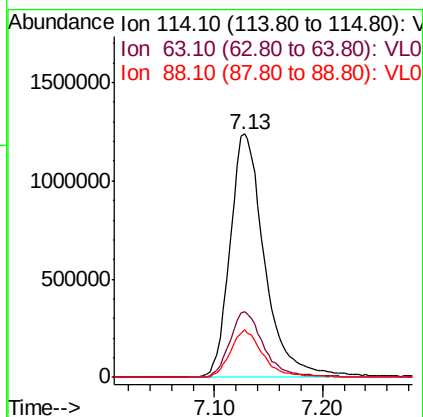
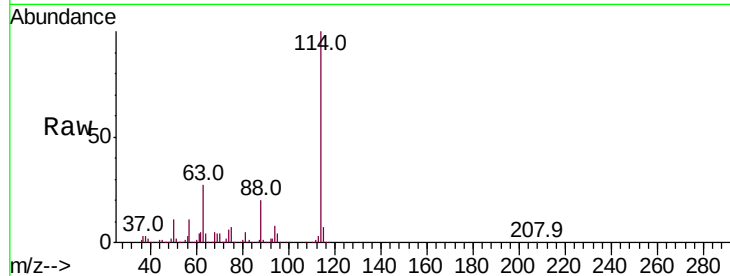
Tgt Ion:	57	Resp:	55707
Ion	Ratio	Lower	Upper
57	100		
41	99.7	71.4	107.2
43	83.1	174.6	261.8#
56	58.0	43.2	64.8





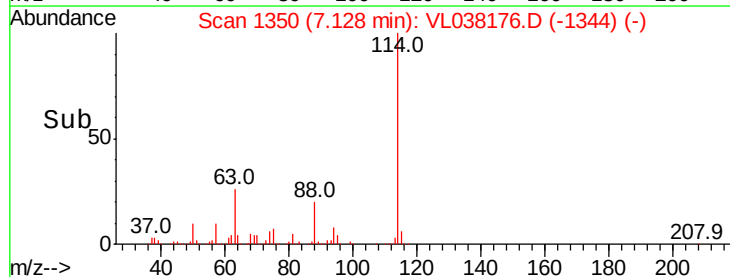
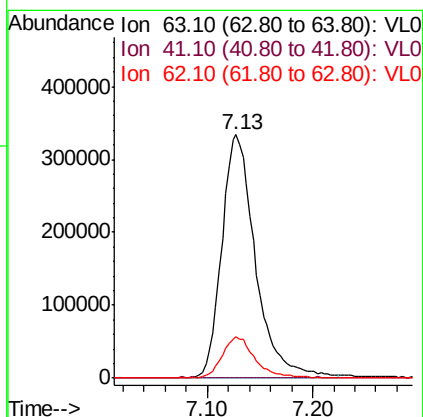
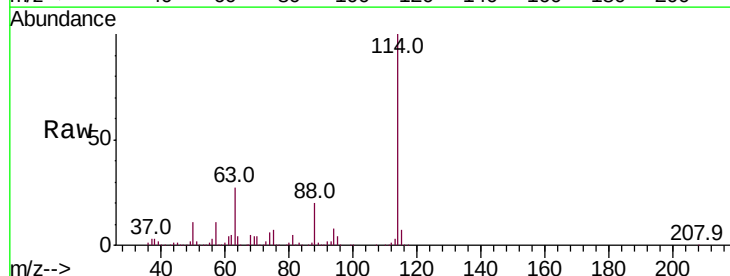
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.13 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 14 Dec 2021 21:22

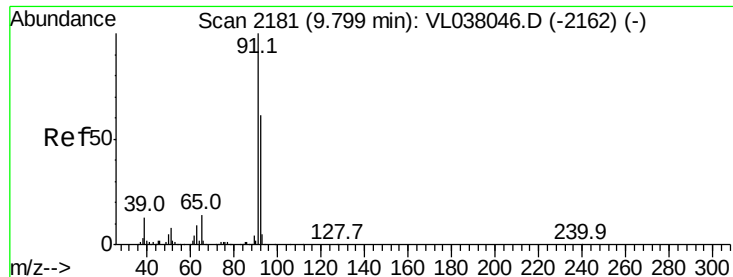
Tot Ion: 114 Resp: 2754720
 Ion Ratio Lower Upper
 114 100
 63 27.3 19.7 29.5
 88 19.0 14.4 21.6



#39
 1,2-Dichloropropane
 Concen: 7.007 ppbv
 RT: 7.13 min Scan# 1350
 Delta R.T. -0.48 min
 Lab File: VL038176.D
 Acq: 14 Dec 2021 21:22

Tgt Ion: 63 Resp: 738567
 Ion Ratio Lower Upper
 63 100
 41 0.0 52.3 78.5#
 62 16.9 55.1 82.7#





#53

Toluene

Concen: 0.050 ppbv

RT: 9.75 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

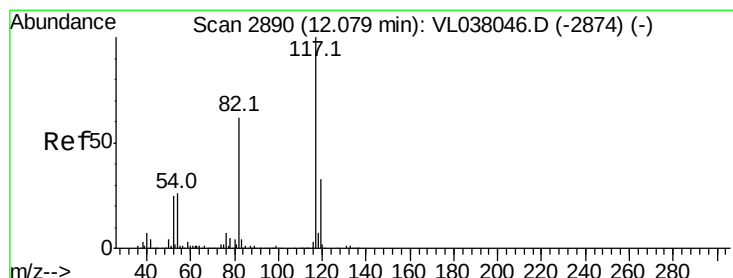
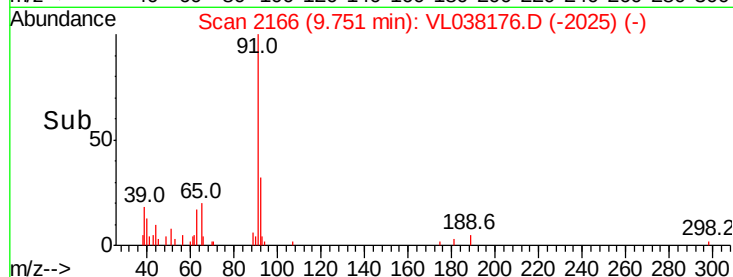
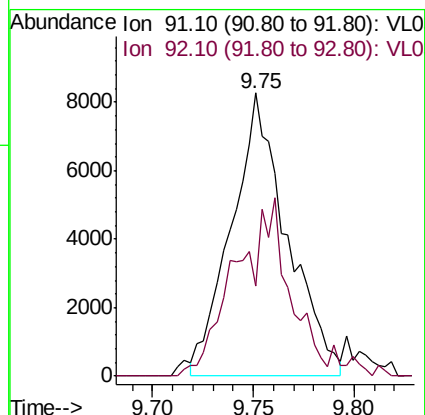
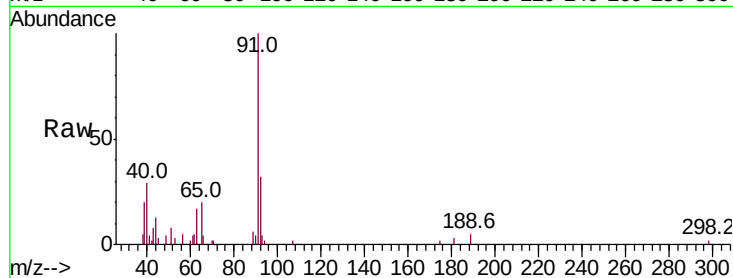
Acq: 14 Dec 2021 21:22

Tot Ion: 91 Resp: 15884

Ion Ratio Lower Upper

91 100

92 64.3 49.7 74.5



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.03 min Scan# 2874

Delta R.T. -0.05 min

Lab File: VL038176.D

Acq: 14 Dec 2021 21:22

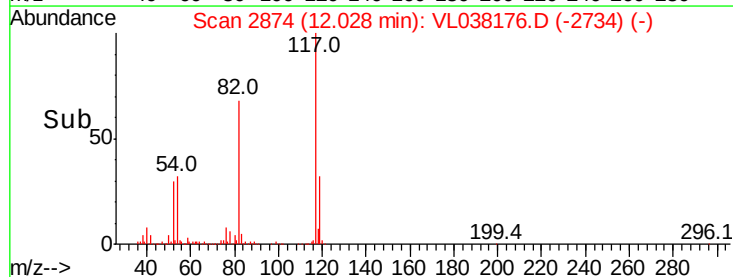
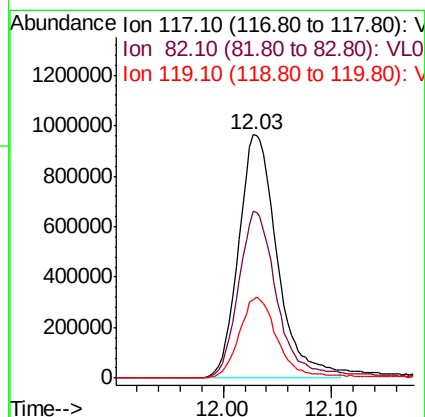
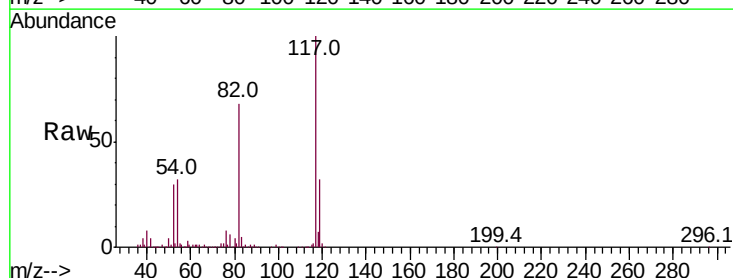
Tgt Ion: 117 Resp: 2406236

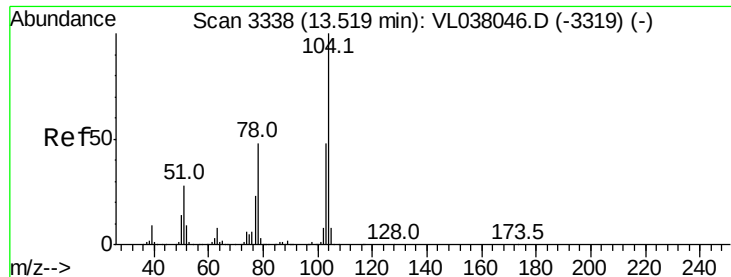
Ion Ratio Lower Upper

117 100

82 71.9 52.8 79.2

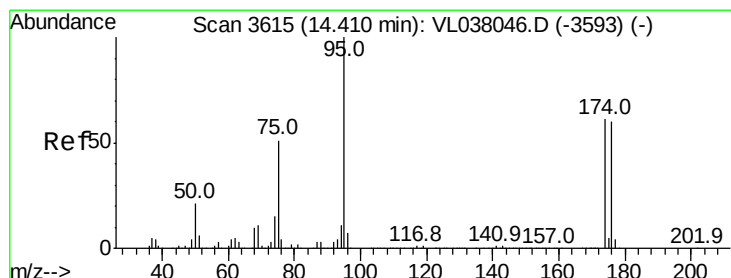
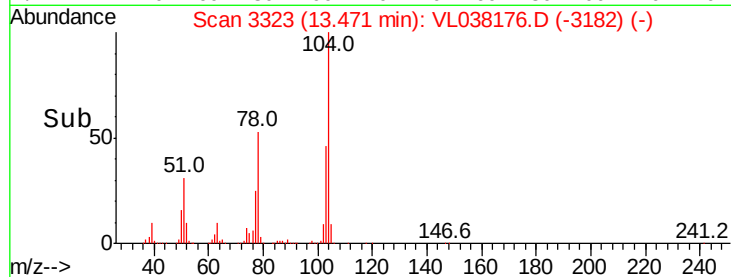
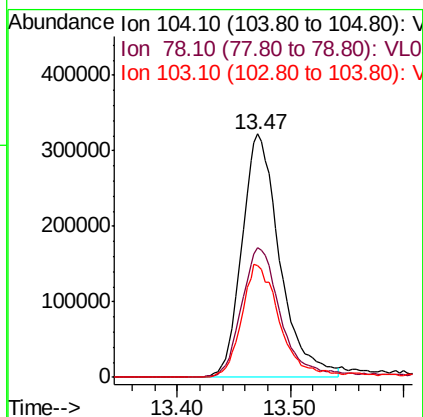
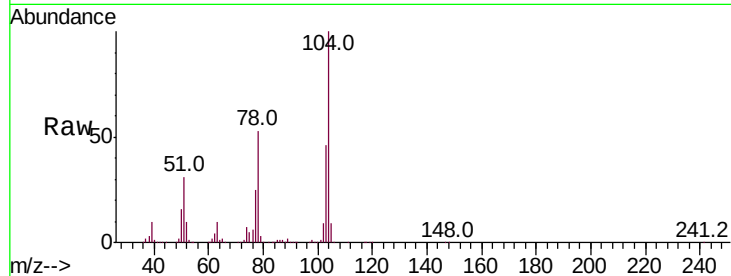
119 34.4 26.8 40.2





#61
Stvrene
Concen: 4.510 ppbv
RT: 13.47
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 14 Dec 2021 21:22

Tot Ion: 104 Resp: 750956
Ion Ratio Lower Upper
104 100
78 58.6 39.8 59.6
103 48.9 38.2 57.2



#68
1-Bromo-4-Fluorobenzene
Concen: 10.808 ppbv
RT: 14.36 min Scan# 3599
Delta R.T.: -0.05 min
Lab File: VL038176.D
Acq: 14 Dec 2021 21:22

Tgt Ion: 95 Resp: 1875964
Ion Ratio Lower Upper
95 100
174 63.6 53.1 79.7
175 4.6 4.0 6.0

