

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090722\
 Data File : VL039623.D
 Acq On : 7 Sep 2022 17:32
 Operator : SY/AP
 Sample : N4494-01DL 20X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV-1DL

Quant Time: Sep 08 05:58:25 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 26 06:05:16 2022
 QLast Update : Fri Aug 26 06:05:16 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	1066030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2844774	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2523579	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1916448	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

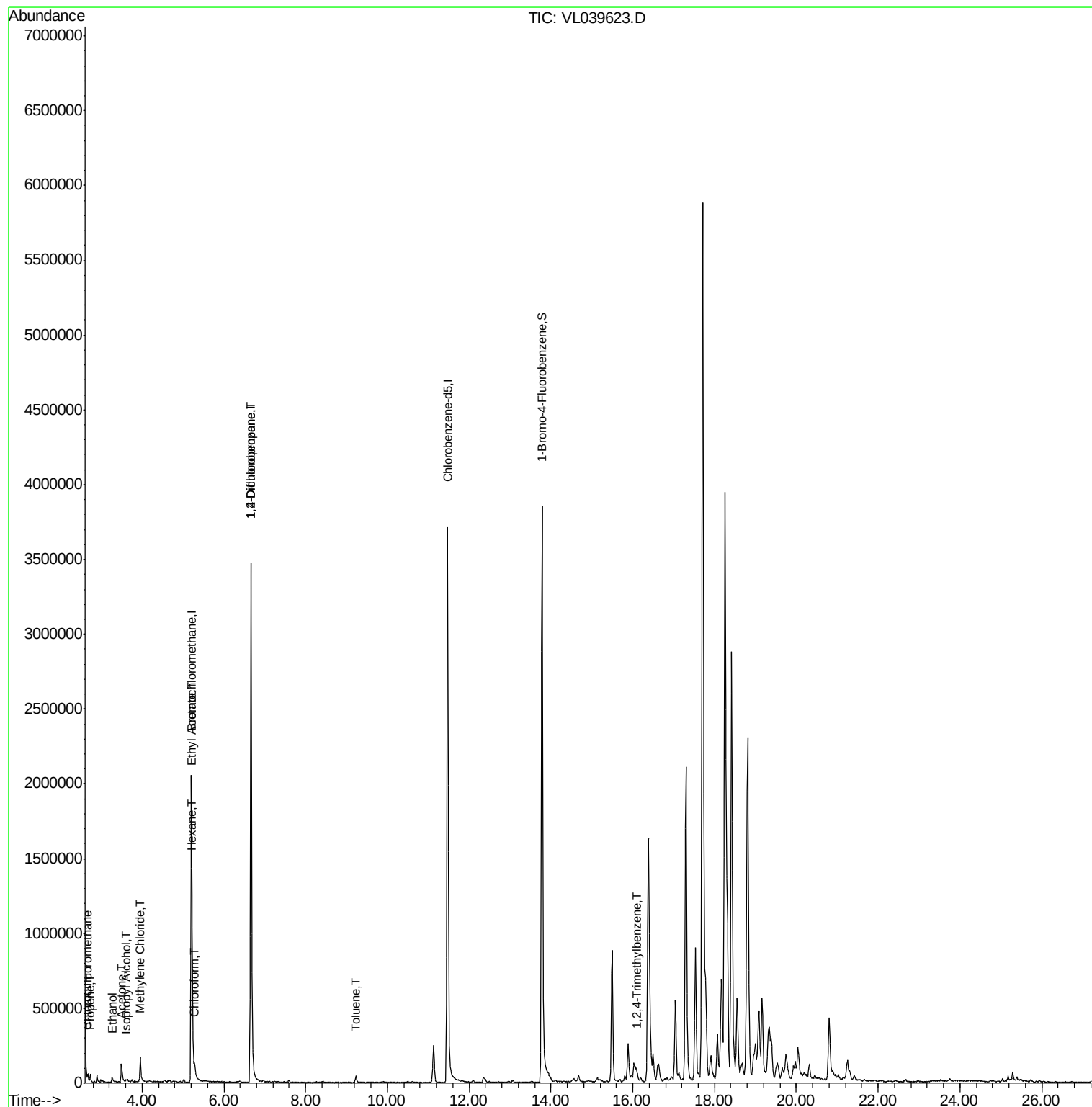
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.68	51	33146	0.261	ppbv #	57
9) Propene	2.73	41	11135	0.192	ppbv	91
13) Ethanol	3.27	45	34762	8.323	ppbv	79
15) Acetone	3.49	43	140461	1.176	ppbv	93
19) Isopropyl Alcohol	3.61	45	6968	0.120	ppbv #	1
20) Methylene Chloride	3.95	84	60823	1.254	ppbv #	85
25) Ethyl Acetate	5.22	43	17472	0.068	ppbv #	85
26) Hexane	5.23	57	54357	0.521	ppbv #	38
29) Chloroform	5.29	83	37119	0.228	ppbv	84
39) 1,2-Dichloropropane	6.66	63	698033	8.562	ppbv #	25
53) Toluene	9.23	91	11668	0.048	ppbv #	21
74) 1,2,4-Trimethylbenzene	16.12	105	17548	0.059	ppbv #	68

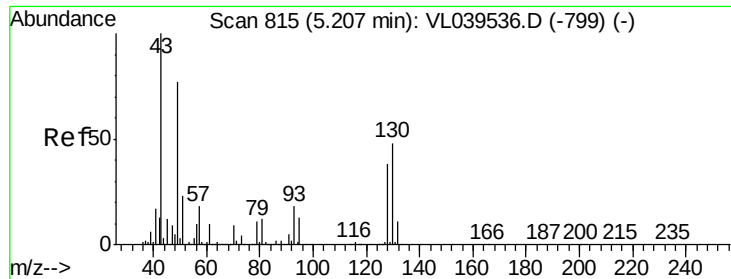
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
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QLast Update : Fri Aug 26 06:05:16 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument: MSVOA_1

Delta R.T.

Lab File: ClientSampleId: SV-1DL

Acq: 7 Sep 2022 17:32

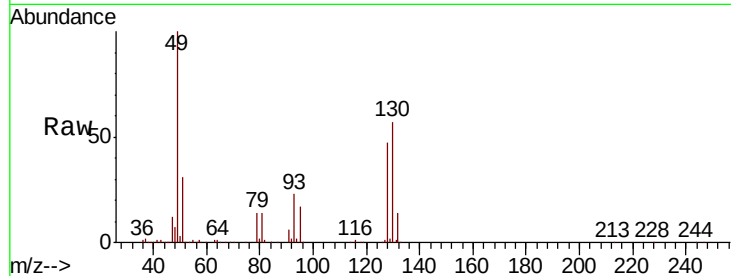
Tot Ion: 49 Resp: 1066030

Ion Ratio Lower Upper

49 100

128 50.6 26.7 80.0

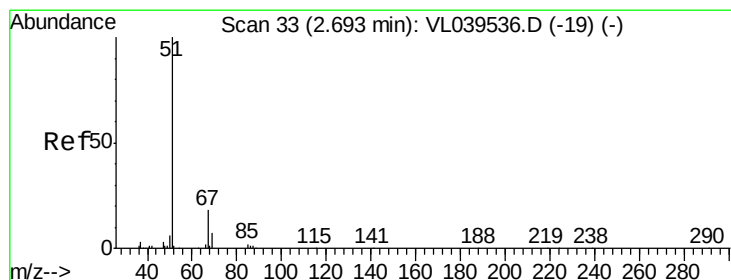
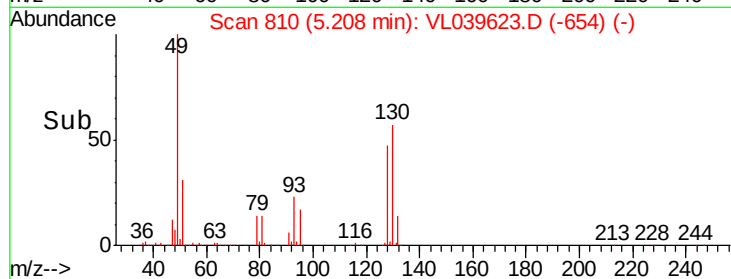
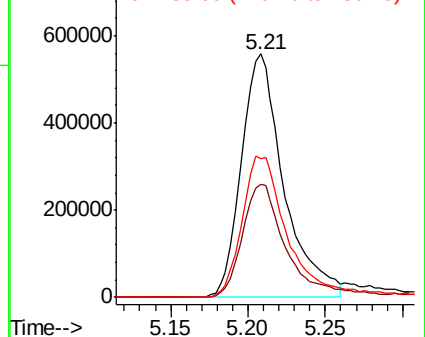
130 66.0 34.3 102.8



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



#3

Chlorodifluoromethane

Concen: 0.261 ppbv

RT: 2.68 min Scan# 23

Delta R.T. -0.02 min

Lab File: VL039623.D

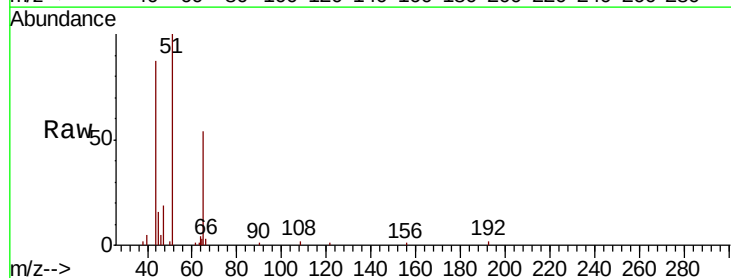
Acq: 7 Sep 2022 17:32

Tgt Ion: 51 Resp: 33146

Ion Ratio Lower Upper

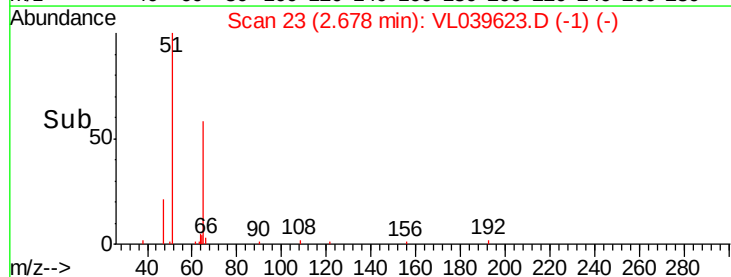
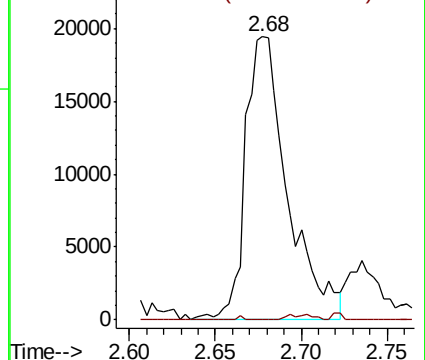
51 100

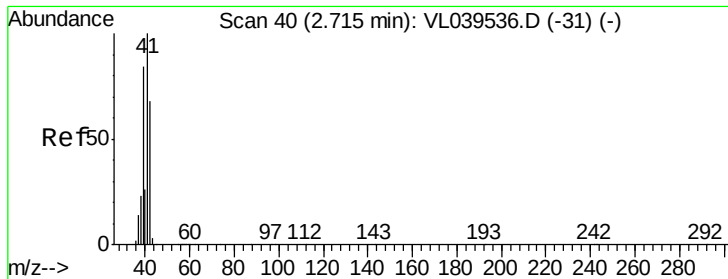
67 0.2 15.7 23.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.192 ppbv

RT: 2.73 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

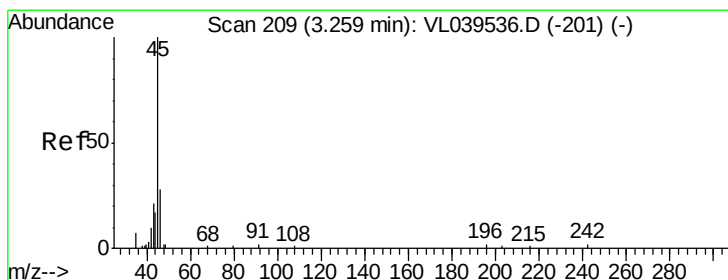
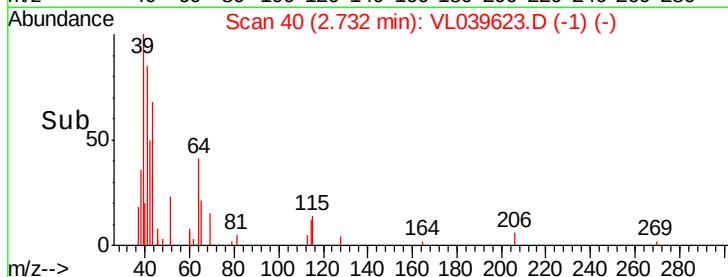
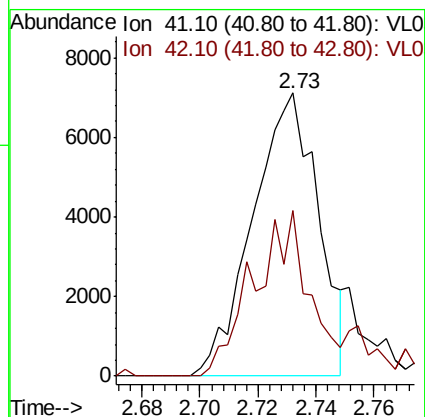
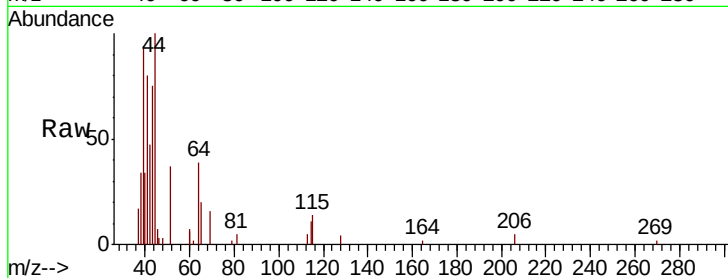
Acq: 7 Sep 2022 17:32 SV-1DL

Tot Ion: 41 Resp: 11135

Ion Ratio Lower Upper

41 100

42 61.3 55.2 82.8



#13

Ethanol

Concen: 8.323 ppbv

RT: 3.27 min Scan# 206

Delta R.T. 0.01 min

Lab File: VL039623.D

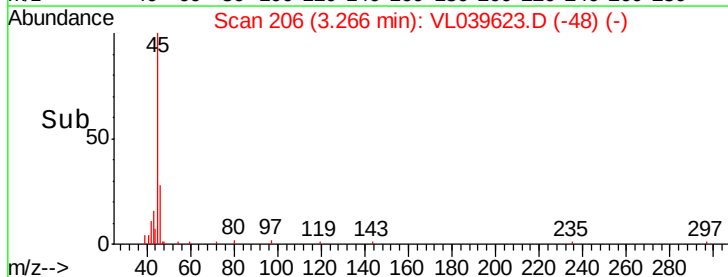
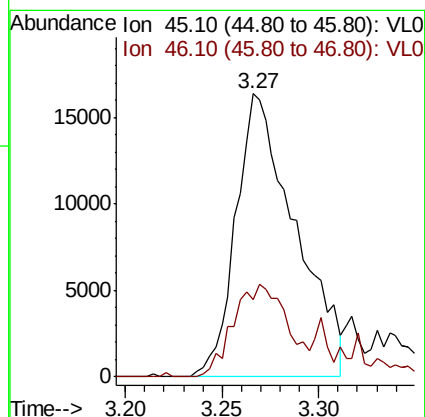
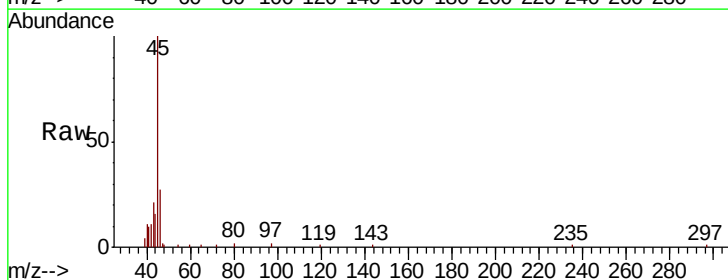
Acq: 7 Sep 2022 17:32

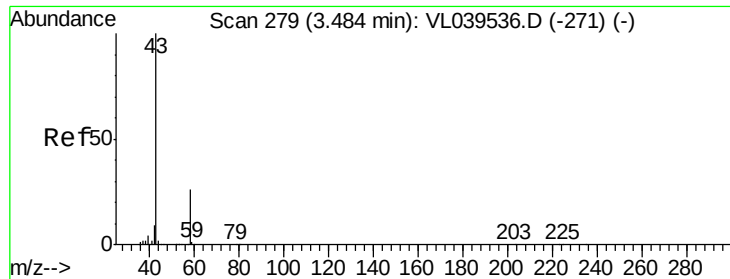
Tgt Ion: 45 Resp: 34762

Ion Ratio Lower Upper

45 100

46 41.8 22.8 91.2





#15

Acetone

Concen: 1.176 ppbv

RT: 3.49 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

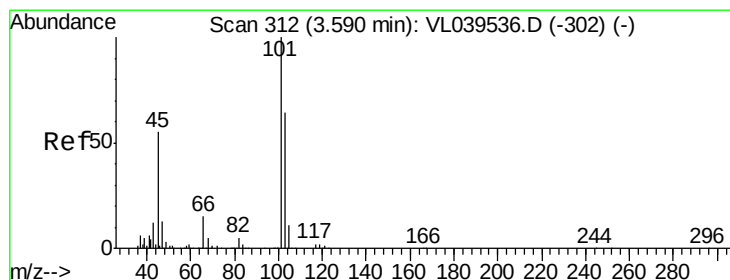
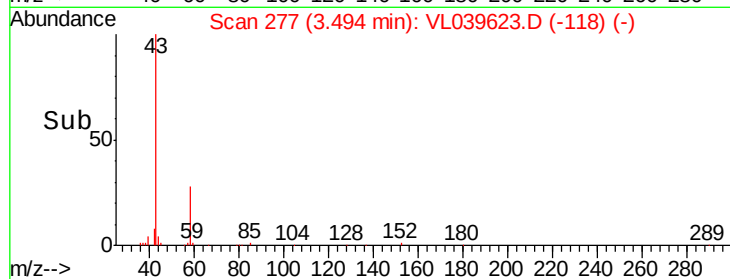
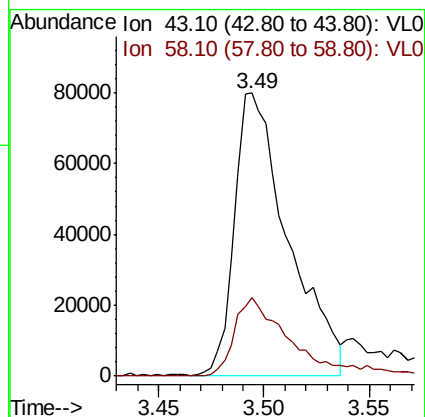
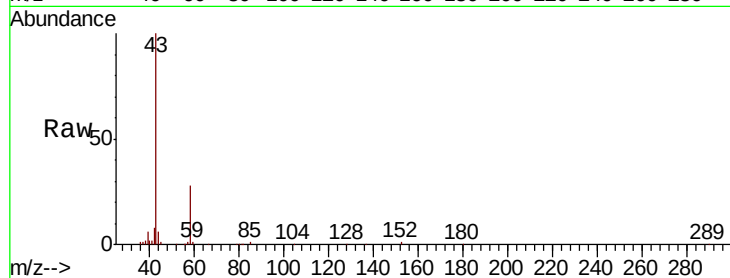
Acq: 7 Sep 2022 17:32 SV-1DL

Tot Ion: 43 Resp: 140461

Ion Ratio Lower Upper

43 100

58 29.7 21.0 31.6



#19

Isopropyl Alcohol

Concen: 0.120 ppbv

RT: 3.61 min Scan# 314

Delta R.T. 0.02 min

Lab File: VL039623.D

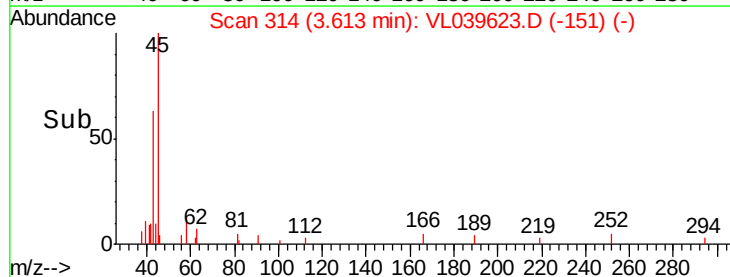
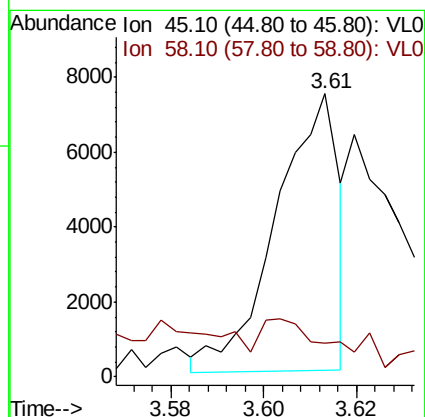
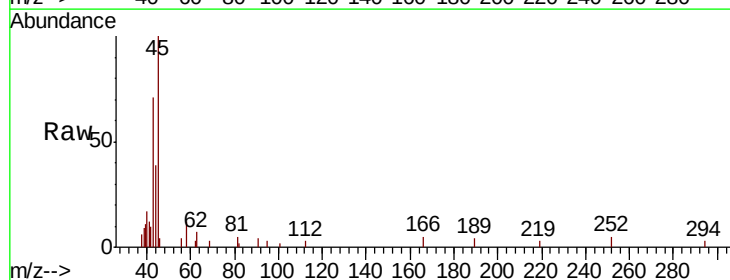
Acq: 7 Sep 2022 17:32

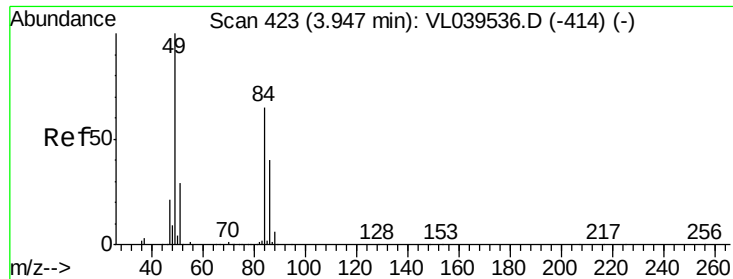
Tgt Ion: 45 Resp: 6968

Ion Ratio Lower Upper

45 100

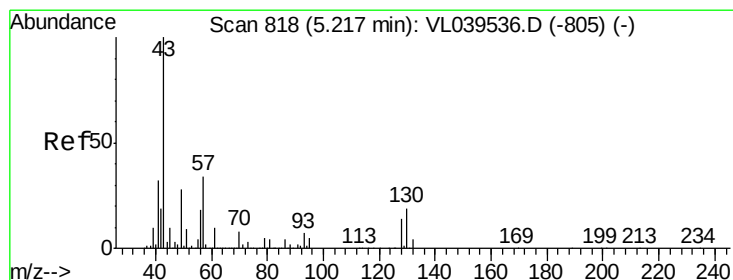
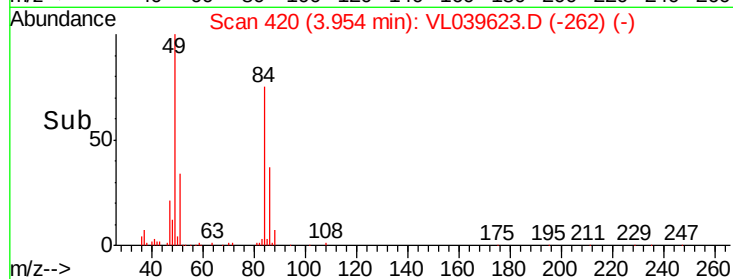
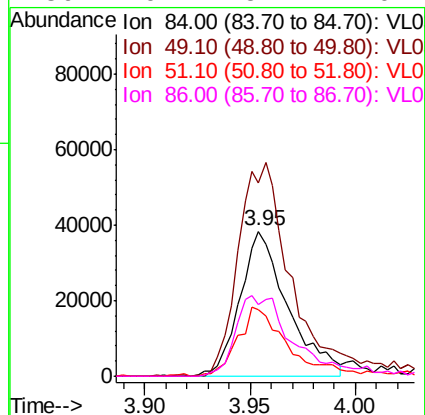
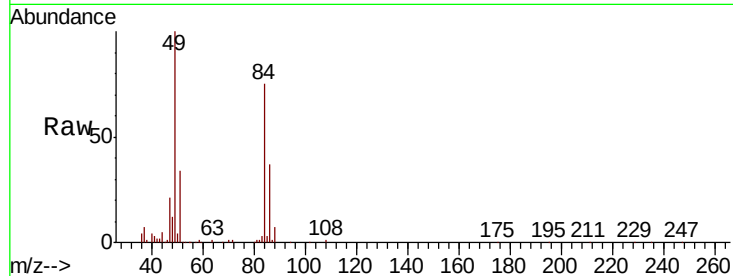
58 56.3 3.2 4.8#





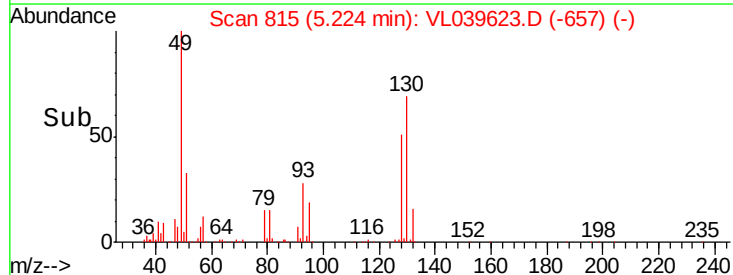
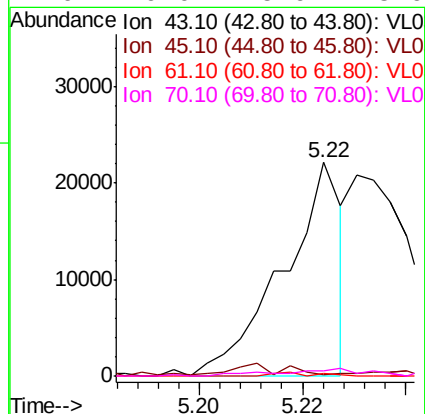
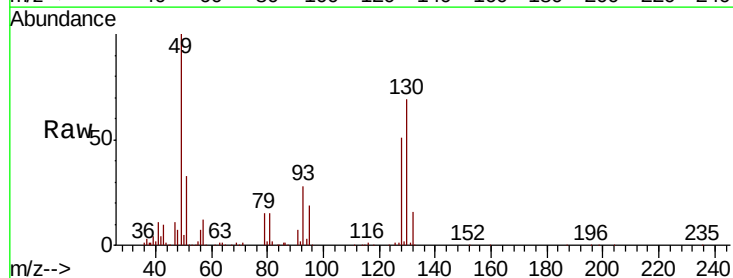
#20
Methvlene Chloride
Concen: 1.254 ppbv
RT: 3.95
Instrument: MSVOA_1
Delta R.T.
Lab File: ClientSampleId : SV-1DL
Acq: 7 Sep 2022 17:32

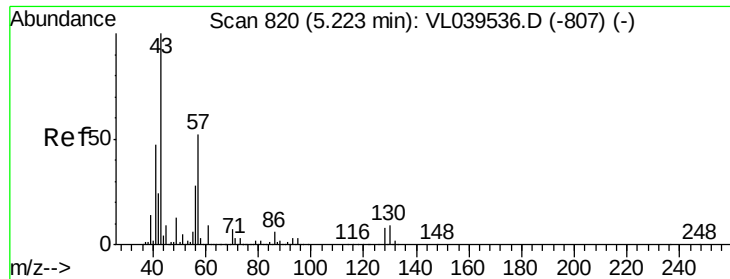
Tot Ion:	84	Resp:	60823
Ion	Ratio	Lower	Upper
84	100		
49	133.4	123.1	184.7
51	45.9	34.4	51.6
86	49.2	51.1	76.7#



#25
Ethyl Acetate
Concen: 0.068 ppbv
RT: 5.22 min Scan# 815
Delta R.T. 0.01 min
Lab File: VL039623.D
Acq: 7 Sep 2022 17:32

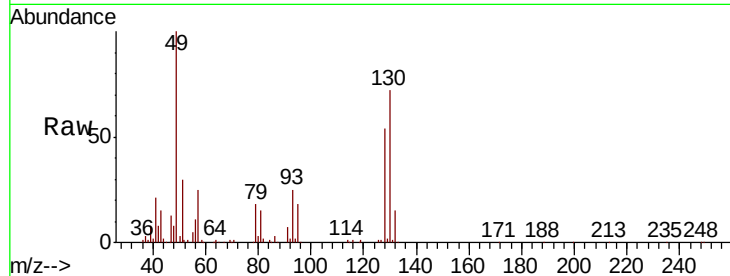
Tgt Ion:	43	Resp:	17472
Ion	Ratio	Lower	Upper
43	100		
45	9.9	8.2	12.4
61	1.2	8.3	12.5#
70	0.0	5.9	8.9#



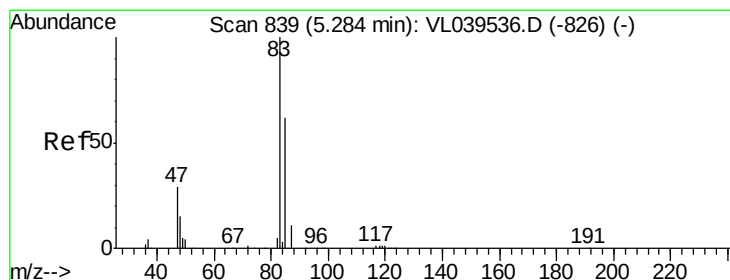
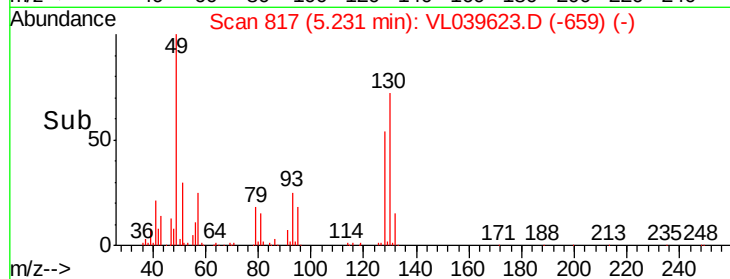
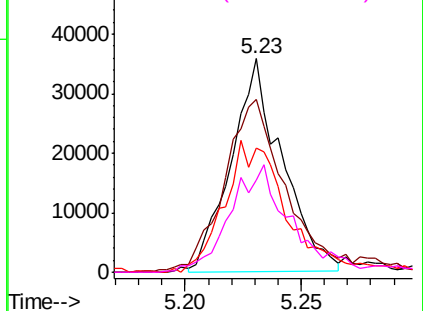


#26
Hexane
Concen: 0.521 ppbv
RT: 5.23
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 7 Sep 2022 17:32

Tot Ion:	57	Resp:	54357
Ion	Ratio	Lower	Upper
57	100		
41	104.9	76.9	115.3
43	77.1	191.0	286.6#
56	61.9	43.2	64.8

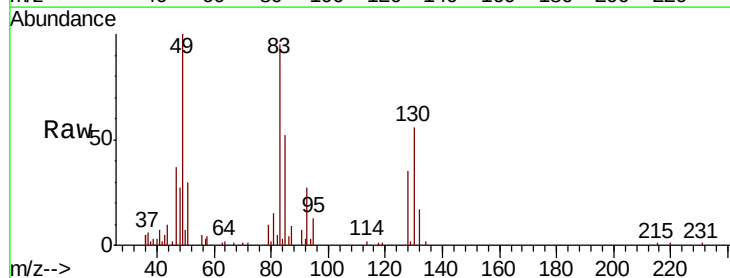


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

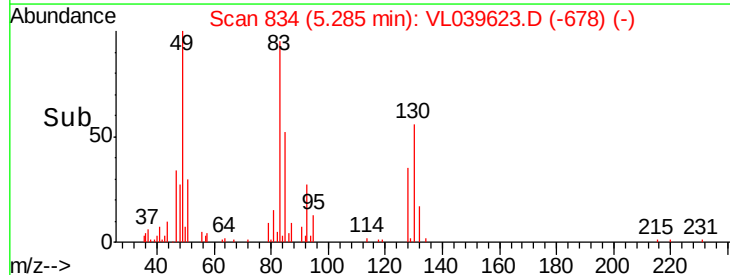
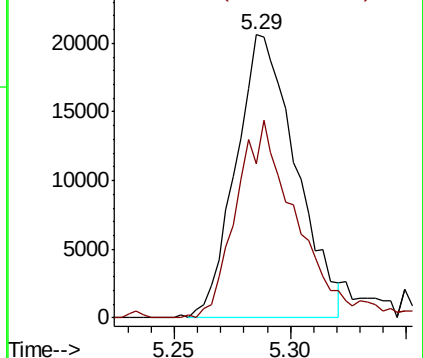


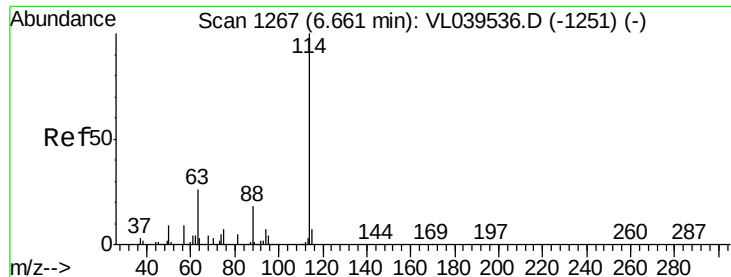
#29
Chloroform
Concen: 0.228 ppbv
RT: 5.29 min Scan# 834
Delta R.T. 0.00 min
Lab File: VL039623.D
Acq: 7 Sep 2022 17:32

Tgt Ion:	83	Resp:	37119
Ion	Ratio	Lower	Upper
83	100		
85	53.4	52.8	79.2



Abundance Ion 83.00 (82.70 to 83.70): VL0
Ion 85.00 (84.70 to 85.70): VL0

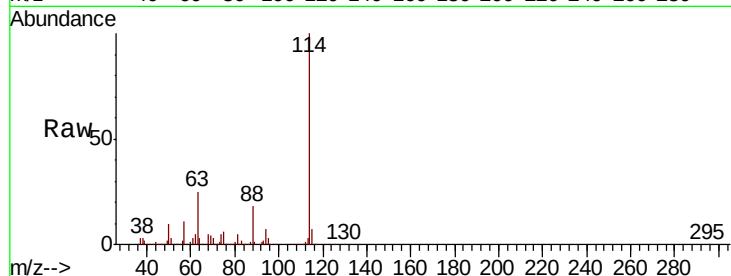




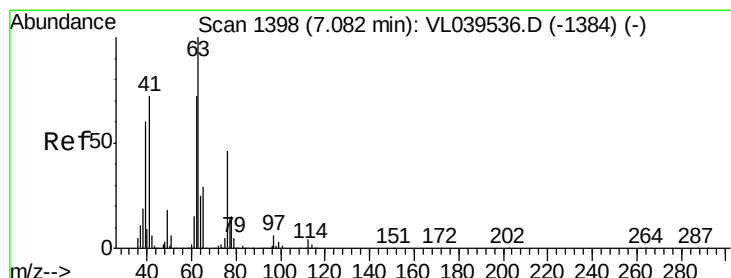
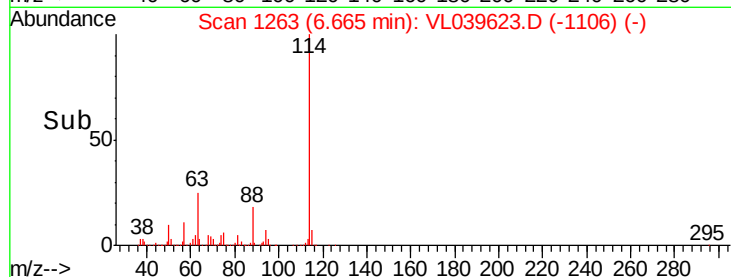
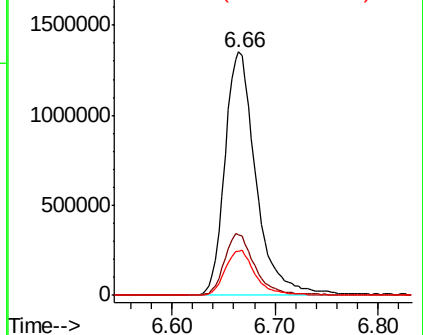
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 7 Sep 2022 17:32

Tot Ion: 114 Resp: 2844774

Ion	Ratio	Lower	Upper
114	100		
63	25.0	20.2	30.4
88	18.3	14.5	21.7



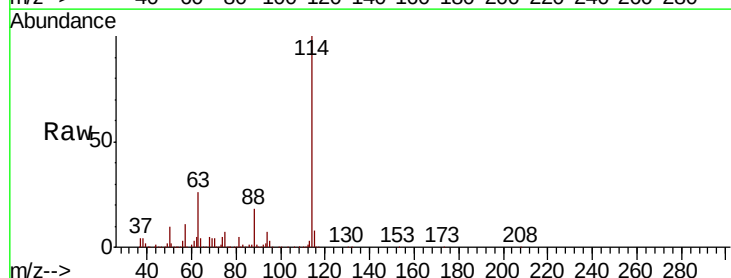
Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0



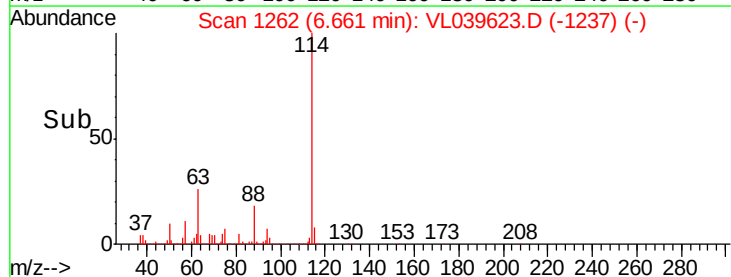
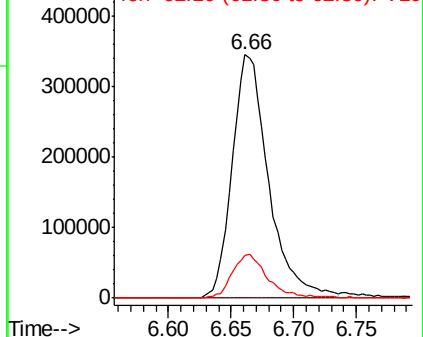
#39
 1,2-Dichloropropane
 Concen: 8.562 ppbv
 RT: 6.66 min Scan# 1262
 Delta R.T. -0.42 min
 Lab File: VL039623.D
 Acq: 7 Sep 2022 17:32

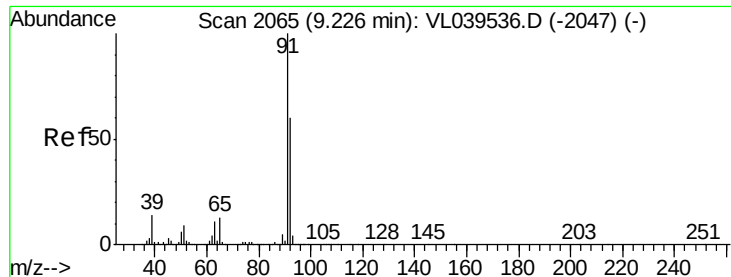
Tgt Ion: 63 Resp: 698033

Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.6	89.4#
62	17.5	51.4	77.0#



Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0





#53

Toluene

Concen: 0.048 ppbv

RT: 9.23 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

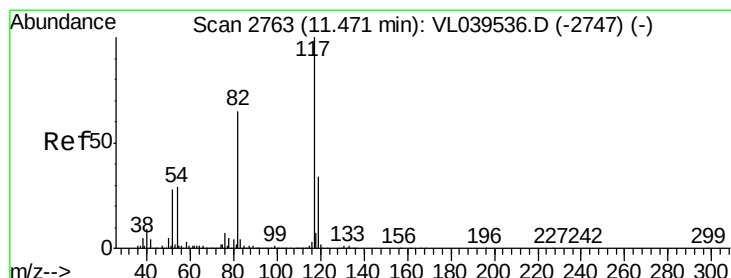
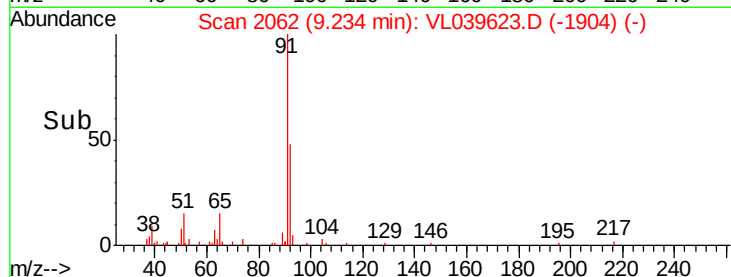
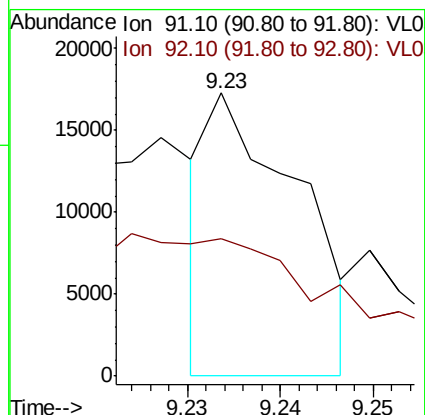
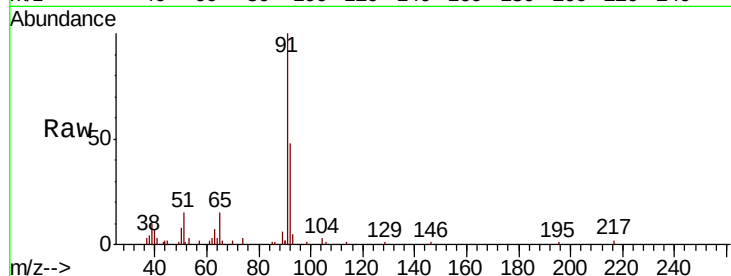
Acq: 7 Sep 2022 17:32 SV-1DL

Tot Ion: 91 Resp: 11668

Ion Ratio Lower Upper

91 100

92 0.0 48.2 72.2#



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 11.47 min Scan# 2759

Delta R.T. 0.00 min

Lab File: VL039623.D

Acq: 7 Sep 2022 17:32

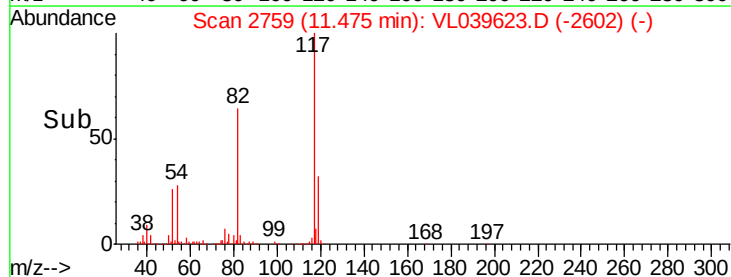
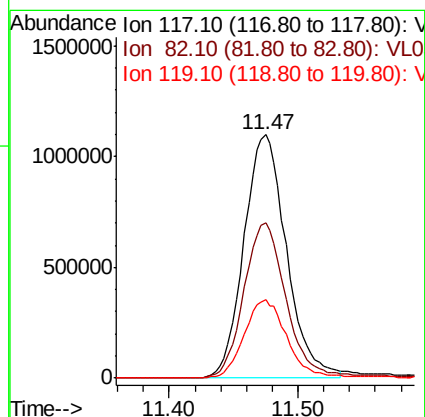
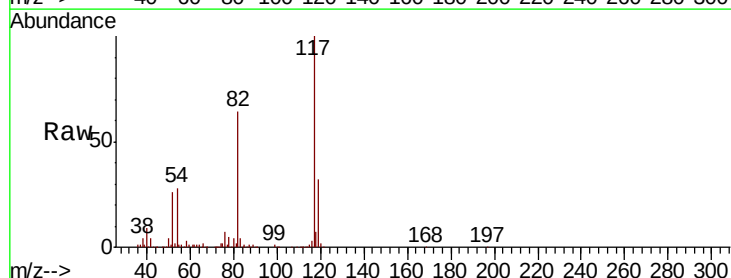
Tgt Ion: 117 Resp: 2523579

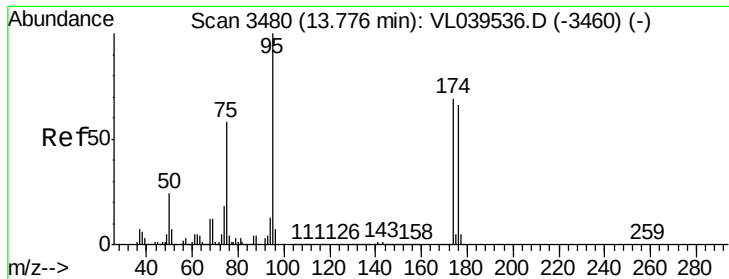
Ion Ratio Lower Upper

117 100

82 64.8 50.8 76.2

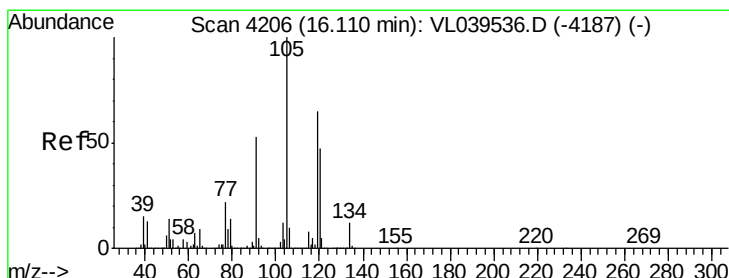
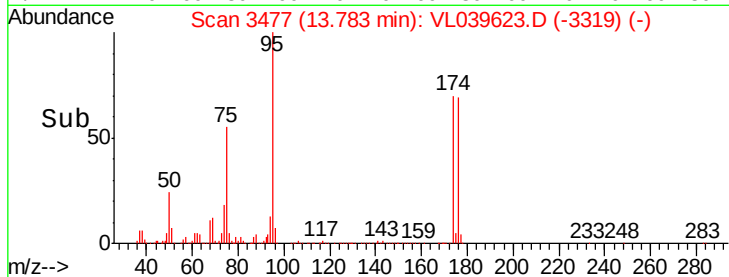
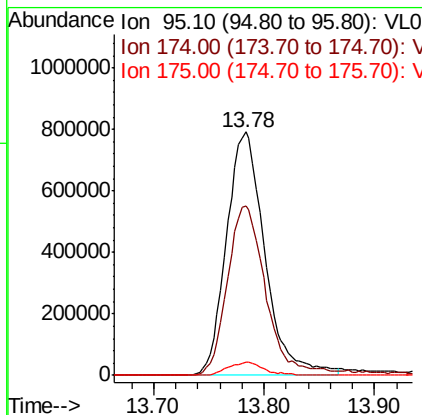
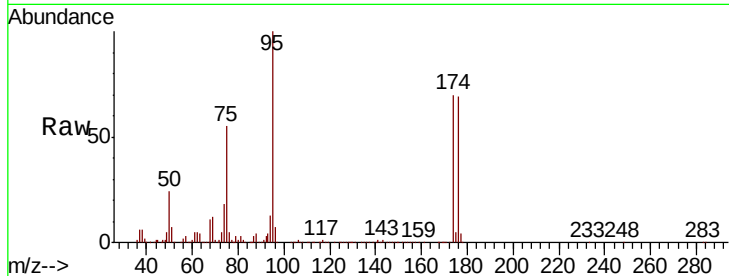
119 33.5 24.1 36.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.066 ppbv
 RT: 13.78 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 SV-1DL
 Acq: 7 Sep 2022 17:32

Tot Ion: 95 Resp: 1916448
 Ion Ratio Lower Upper
 95 100
 174 72.8 55.9 83.9
 175 5.3 4.2 6.4



#74
 1,2,4-Trimethylbenzene
 Concen: 0.059 ppbv
 RT: 16.12 min Scan# 4203
 Delta R.T. 0.01 min
 Lab File: VL039623.D
 Acq: 7 Sep 2022 17:32

Tgt Ion: 105 Resp: 17548
 Ion Ratio Lower Upper
 105 100
 120 38.1 39.5 59.3#
 91 13.0 39.2 58.8#
 77 11.6 17.2 25.8#

