

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071922\
 Data File : VL039501.D
 Acq On : 20 Jul 2022 4:32
 Operator : SY/AP
 Sample : N3750-08DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Quant Time: Jul 20 07:26:30 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
 QLast Update : Wed Jul 06 02:15:38 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	956870	10.00	ppbv	0.03
33) 1,4-Difluorobenzene	7.19	114	2814050	10.00	ppbv	0.03
55) Chlorobenzene-d5	12.10	117	2478739	10.00	ppbv	0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	1814277	9.87	ppbv	0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.70%

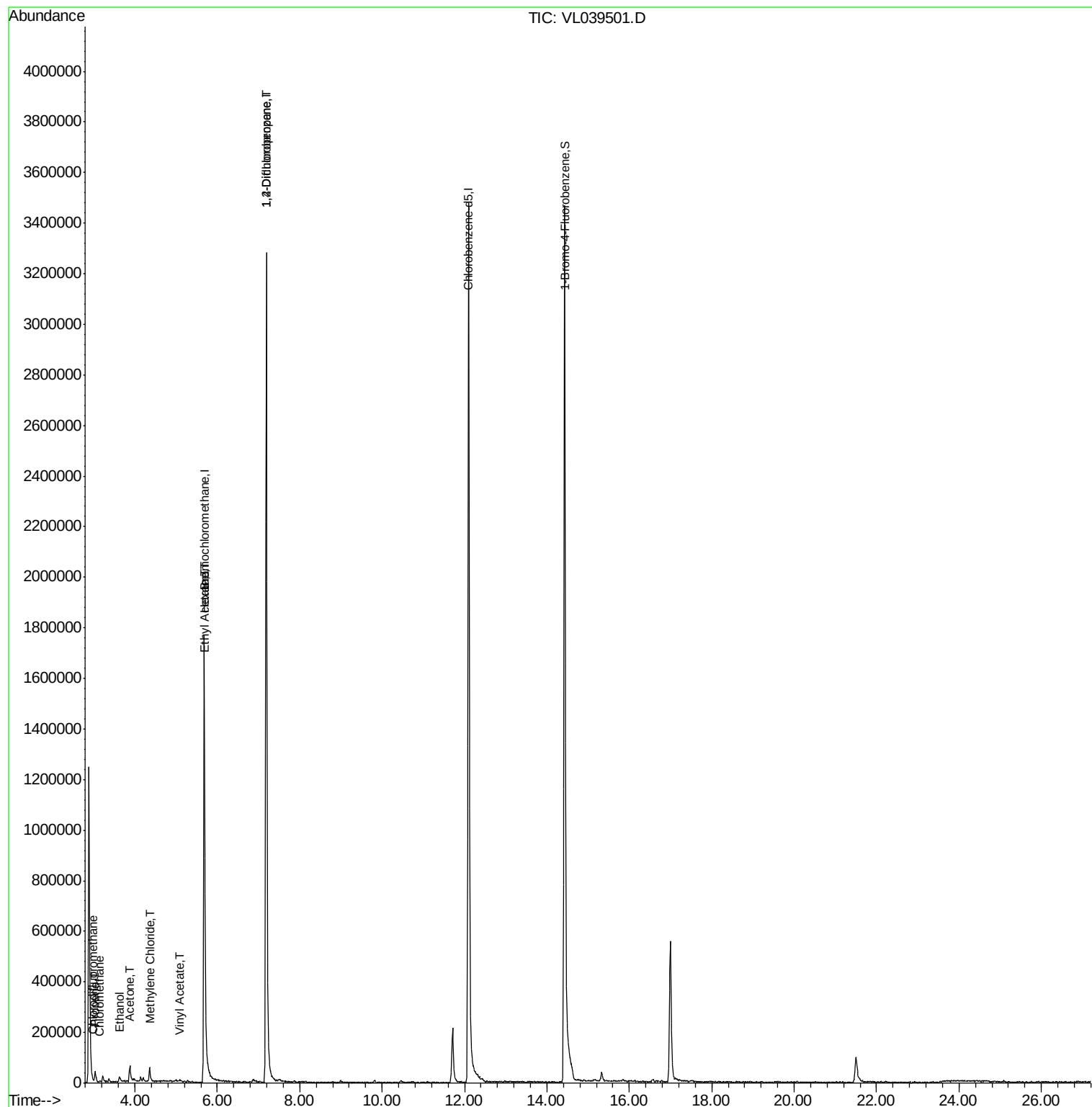
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	6585	0.054	ppbv	95
4) Chloromethane	3.15	50	2248	0.034	ppbv	91
9) Propene	3.02	41	6774	0.124	ppbv #	45
13) Ethanol	3.62	45	18246	5.736	ppbv	95
15) Acetone	3.87	43	85625	0.756	ppbv	92
20) Methylene Chloride	4.35	84	5136	0.114	ppbv #	59
23) Vinyl Acetate	5.09	43	3289	0.043	ppbv #	65
25) Ethyl Acetate	5.70	43	9100	0.039	ppbv #	85
26) Hexane	5.69	57	7850	0.084	ppbv #	40
39) 1,2-Dichloropropane	7.19	63	674518	8.290	ppbv #	26

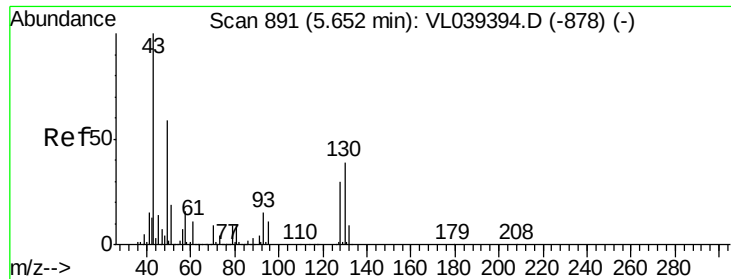
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071922\
Data File : VL039501.D
Acq On : 20 Jul 2022 4:32
Operator : SY/AP
Sample : N3750-08DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

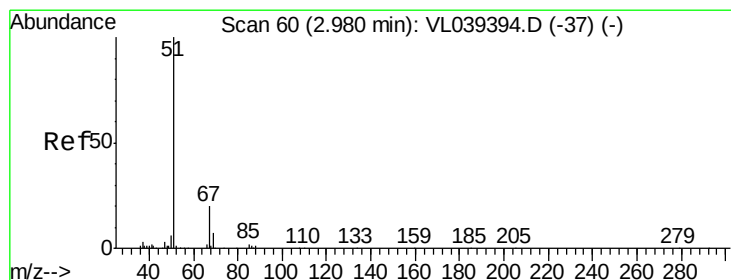
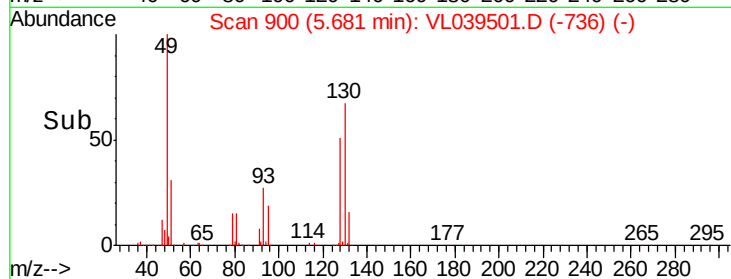
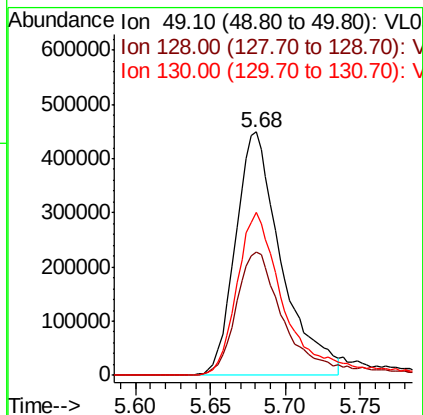
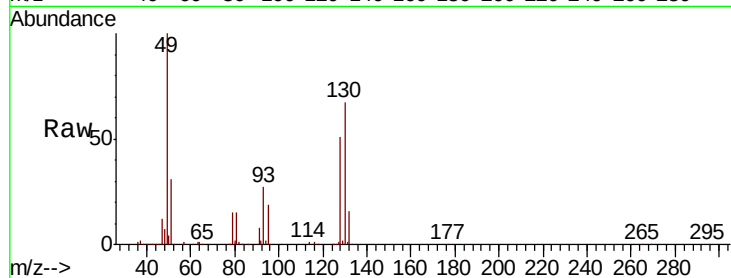
Quant Time: Jul 20 07:26:30 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 06 02:15:38 2022
QLast Update : Wed Jul 06 02:15:38 2022
Response via : Initial Calibration





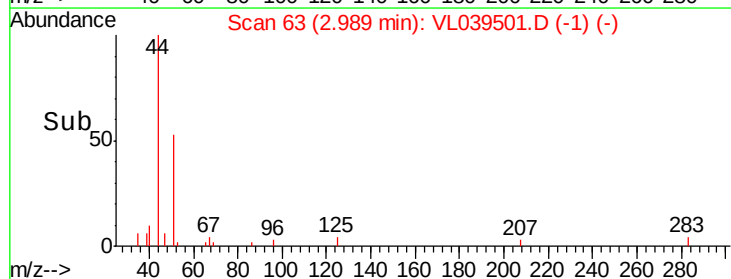
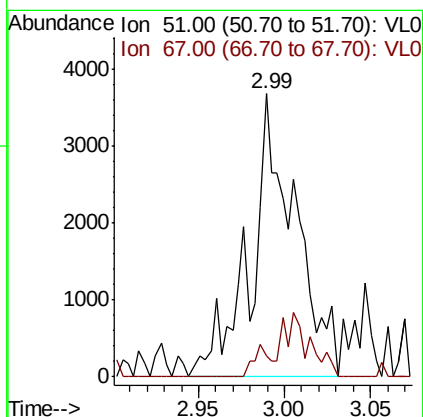
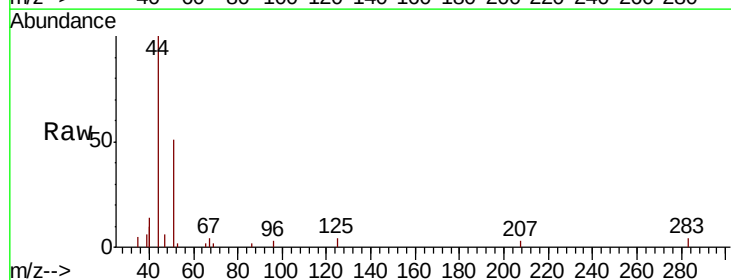
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.68
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 4:32

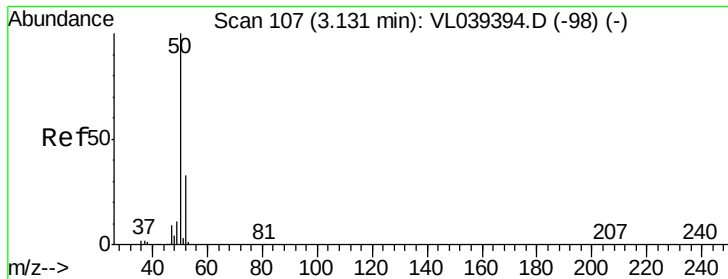
Tot Ion: 49 Resp: 956870
 Ion Ratio Lower Upper
 49 100
 128 57.3 26.7 80.0
 130 72.0 34.3 102.8



#3
 Chlorodifluoromethane
 Concen: 0.054 ppbv
 RT: 2.99 min Scan# 63
 Delta R.T.: 0.01 min
 Lab File: VL039501.D
 Acq: 20 Jul 2022 4:32

Tgt Ion: 51 Resp: 6585
 Ion Ratio Lower Upper
 51 100
 67 17.4 15.7 23.5





#4

Chloromethane

Concen: 0.034 ppbv

RT: 3.15 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

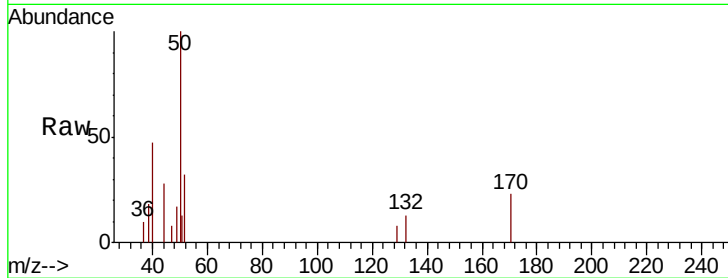
Acq: 20 Jul 2022 4:32

Tot Ion: 50 Resp: 2248

Ion Ratio Lower Upper

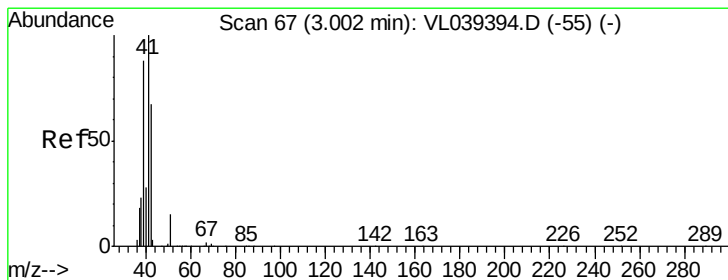
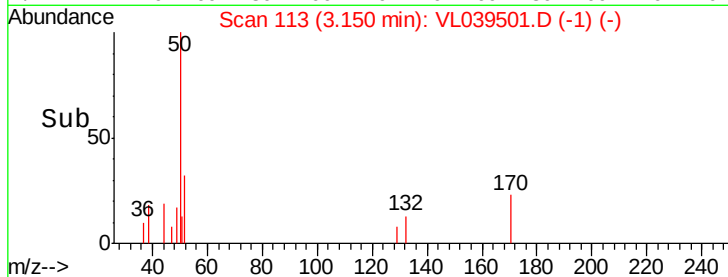
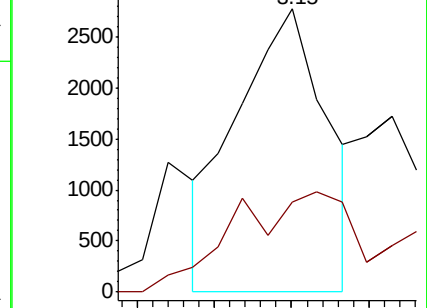
50 100

52 38.3 26.5 39.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.124 ppbv

RT: 3.02 min Scan# 74

Delta R.T. 0.02 min

Lab File: VL039501.D

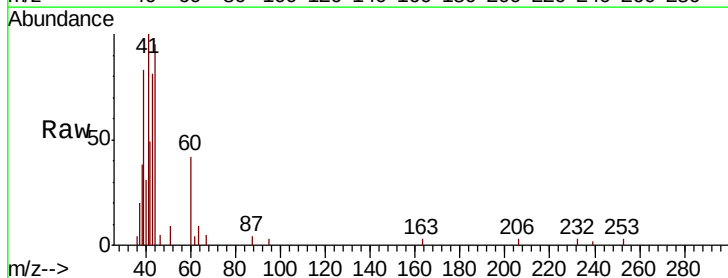
Acq: 20 Jul 2022 4:32

Tgt Ion: 41 Resp: 6774

Ion Ratio Lower Upper

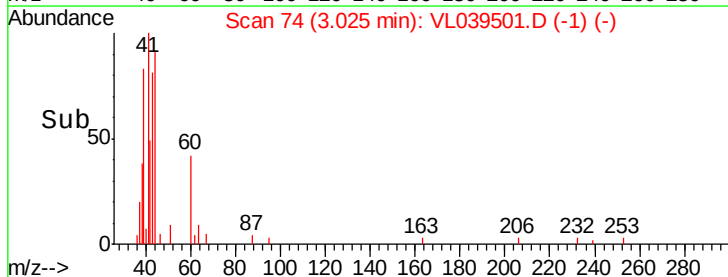
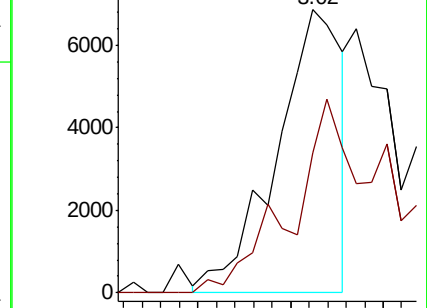
41 100

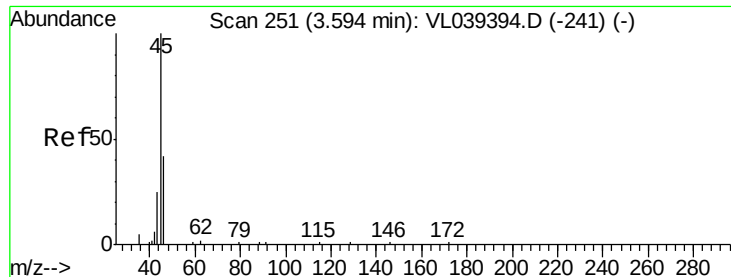
42 113.7 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

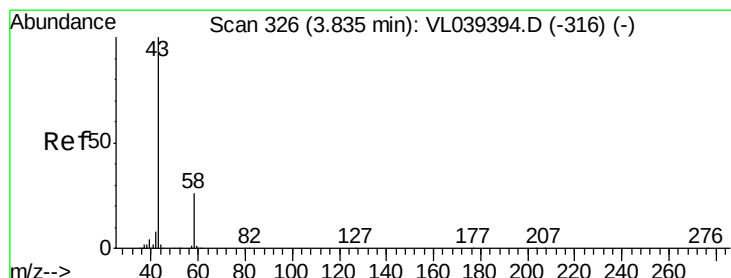
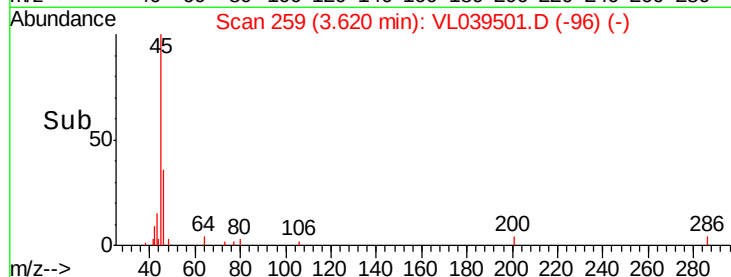
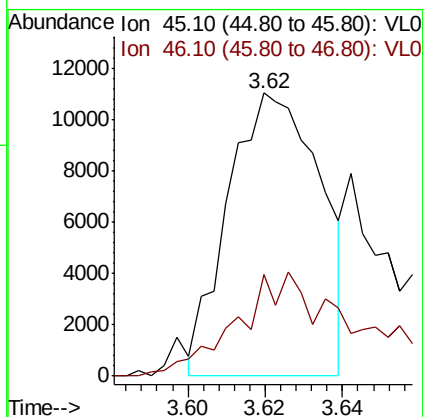
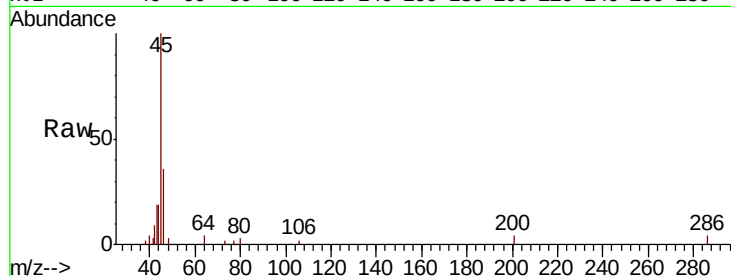
Ion 42.10 (41.80 to 42.80): VL0





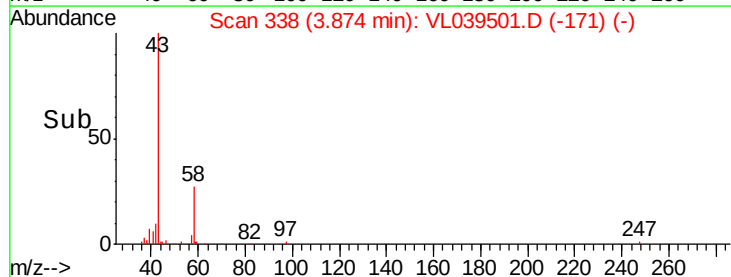
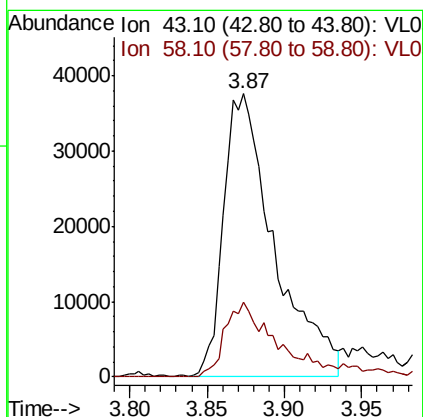
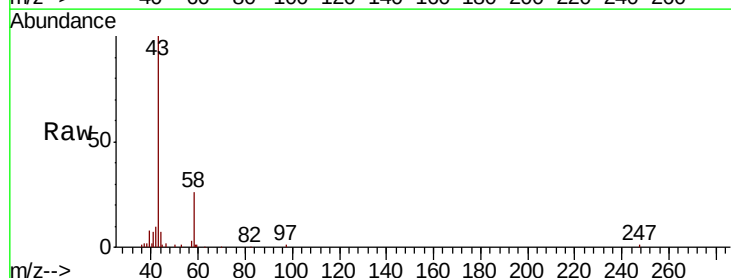
#13
Ethanol
Concen: 5.736 ppbv
RT: 3.62
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 4:32

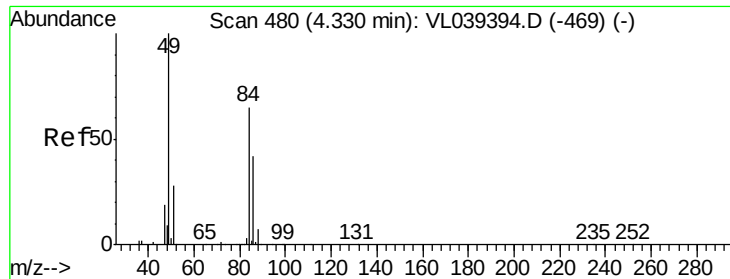
Tot Ion: 45 Resp: 18246
Ion Ratio Lower Upper
45 100
46 60.6 22.8 91.2



#15
Acetone
Concen: 0.756 ppbv
RT: 3.87 min Scan# 338
Delta R.T. 0.04 min
Lab File: VL039501.D
Acq: 20 Jul 2022 4:32

Tgt Ion: 43 Resp: 85625
Ion Ratio Lower Upper
43 100
58 30.6 21.0 31.6





#20

Methylene Chloride

Concen: 0.114 ppbv

RT: 4.35 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 20 Jul 2022 4:32

Tot Ion: 84 Resp: 5136

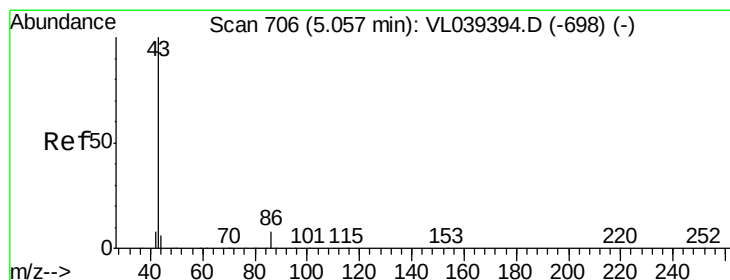
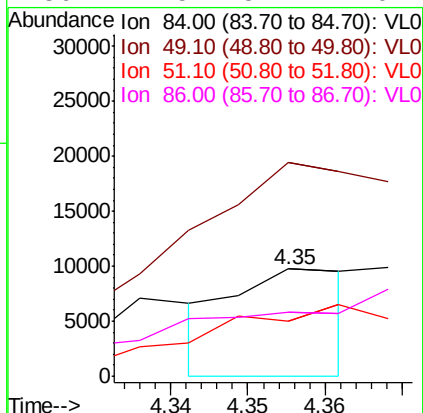
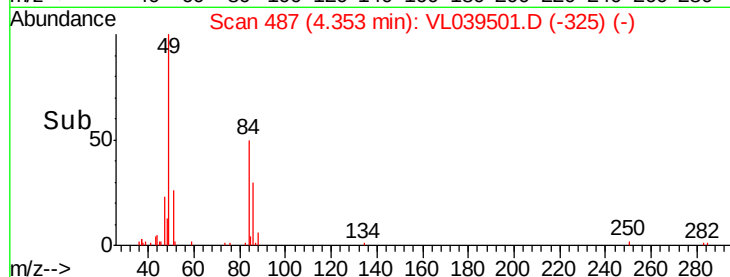
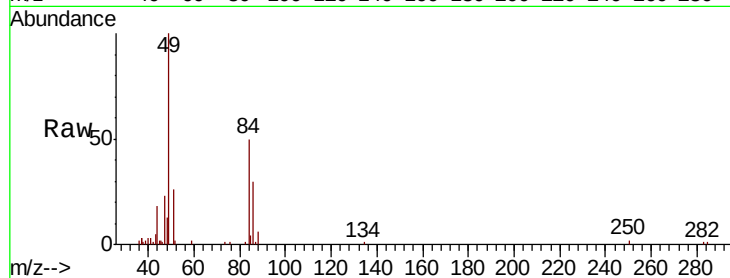
Ion Ratio Lower Upper

84 100

49 194.5 123.1 184.7#

51 74.5 34.4 51.6#

86 17.5 51.1 76.7#



#23

Vinyl Acetate

Concen: 0.043 ppbv

RT: 5.09 min Scan# 717

Delta R.T. 0.04 min

Lab File: VL039501.D

Acq: 20 Jul 2022 4:32

Tgt Ion: 43 Resp: 3289

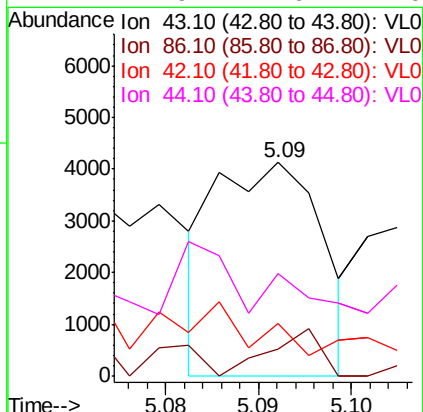
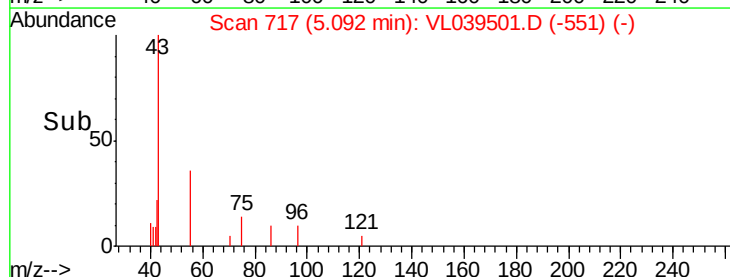
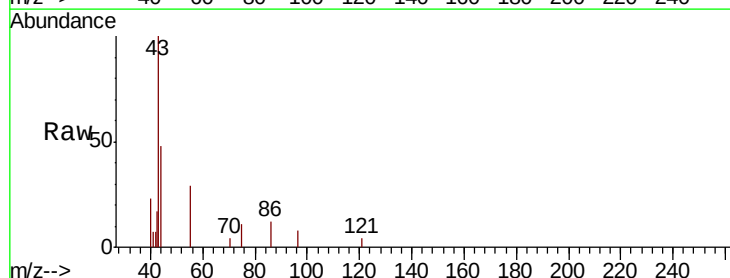
Ion Ratio Lower Upper

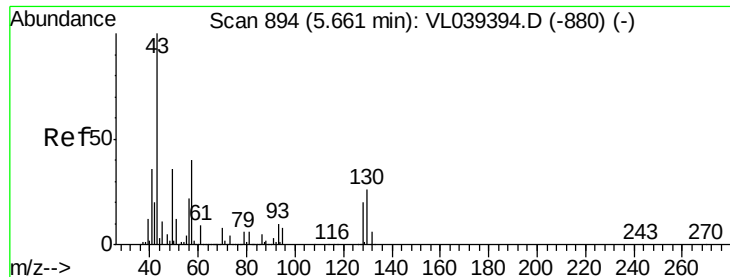
43 100

86 22.8 5.0 7.6#

42 14.4 7.7 11.5#

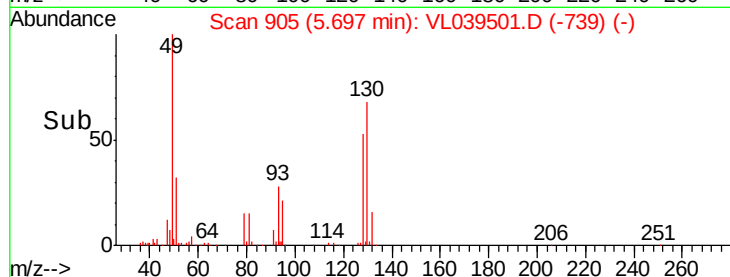
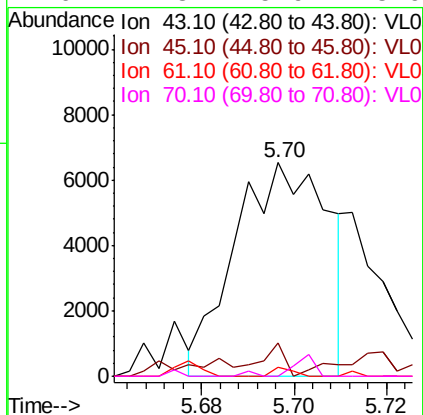
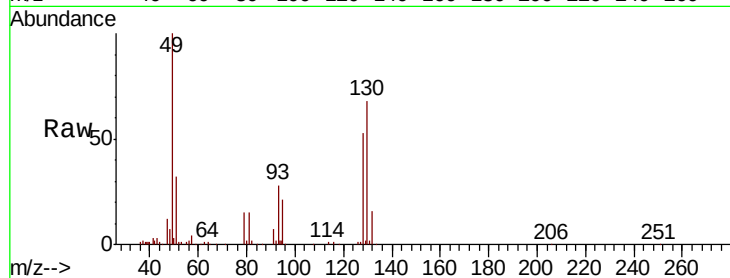
44 24.9 4.6 7.0#





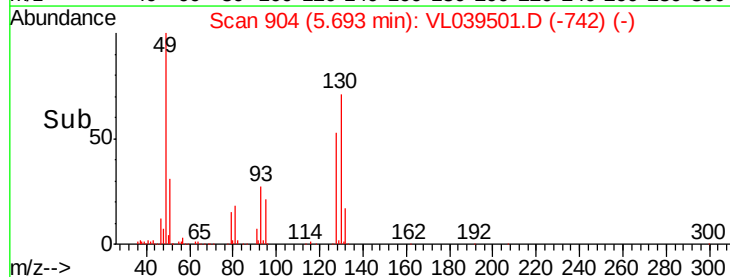
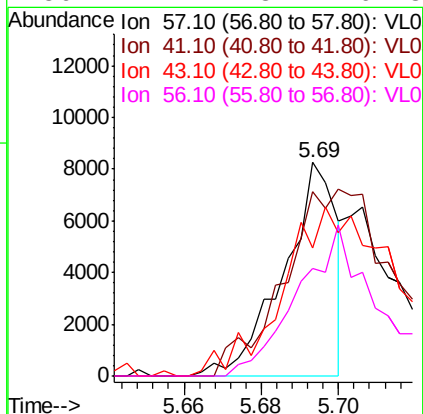
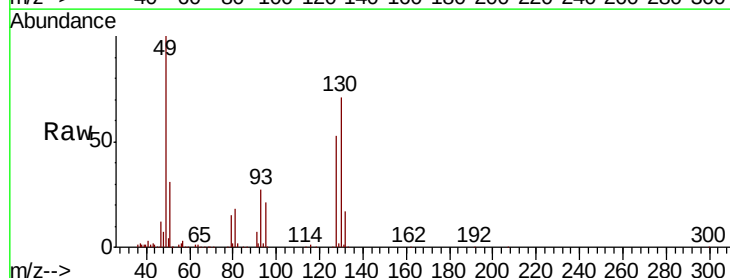
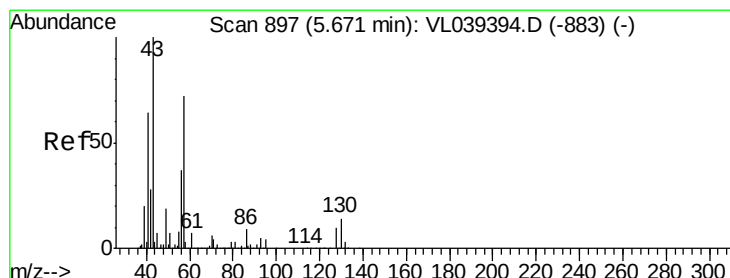
#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 5.70
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 20 Jul 2022 4:32

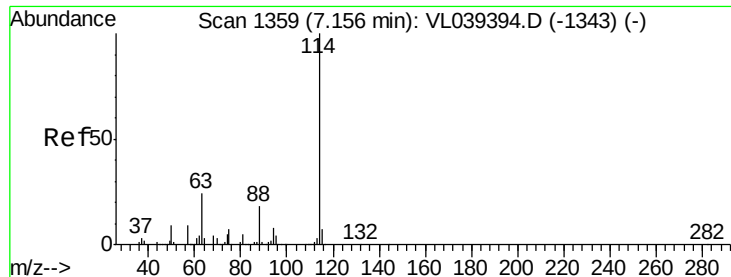
Tot Ion:	43	Resp:	9100
Ion	Ratio	Lower	Upper
43	100		
45	8.7	8.2	12.4
61	0.0	8.3	12.5#
70	2.8	5.9	8.9#



#26
Hexane
Concen: 0.084 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.02 min
Lab File: VL039501.D
Acq: 20 Jul 2022 4:32

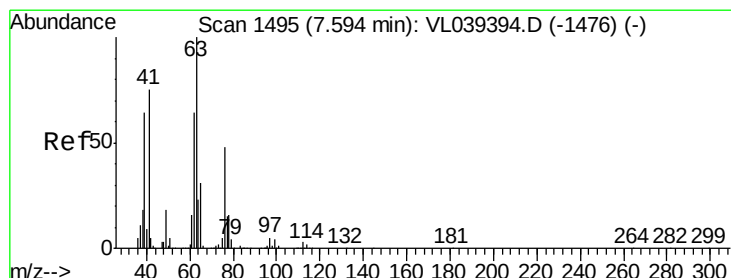
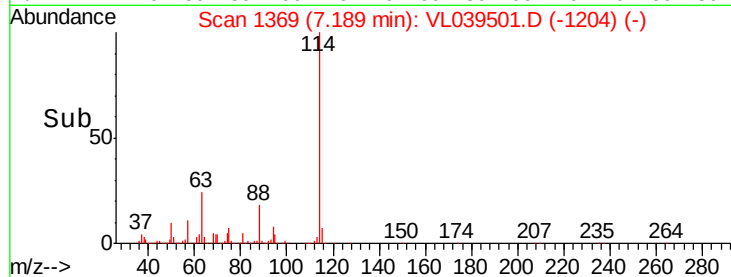
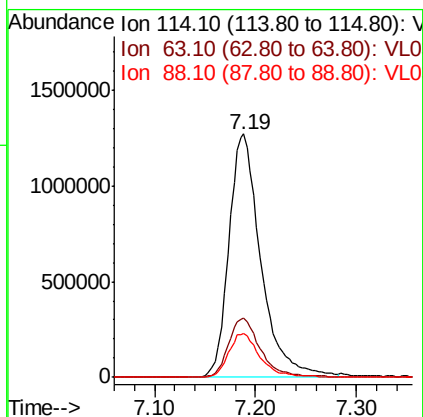
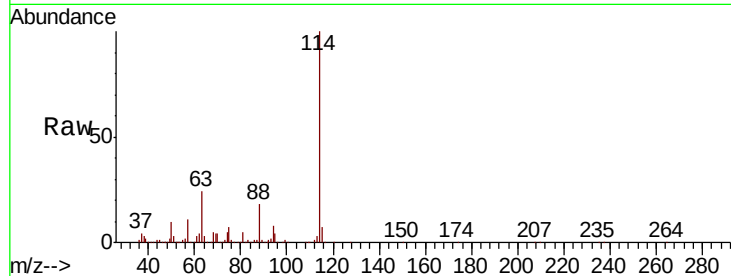
Tgt Ion:	57	Resp:	7850
Ion	Ratio	Lower	Upper
57	100		
41	203.7	76.9	115.3#
43	186.0	191.0	286.6#
56	122.2	43.2	64.8#





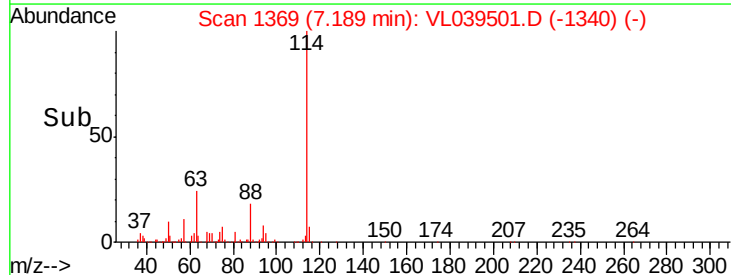
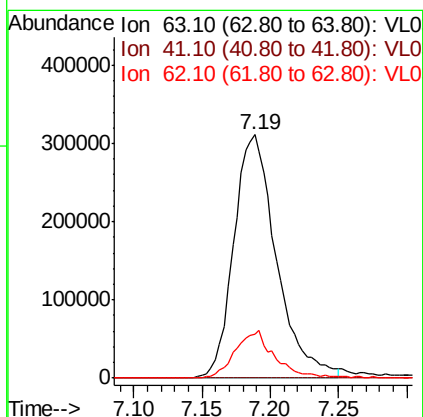
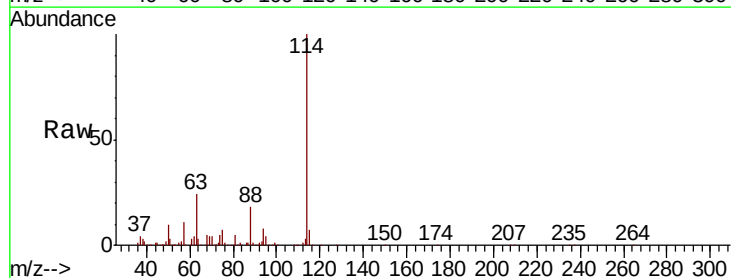
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.19 min
 Delta R.T.: MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 4:32

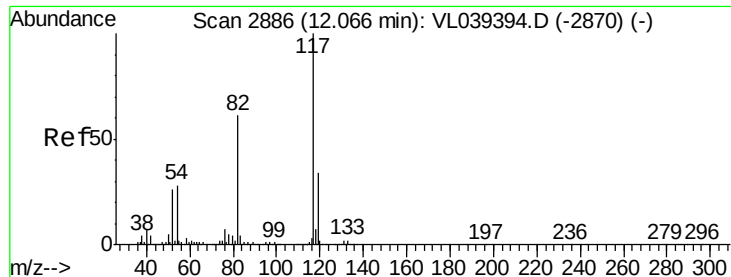
Tot Ion:	114	Resp:	2814050
Ion	Ratio	Lower	Upper
114	100		
63	24.8	20.2	30.4
88	18.0	14.5	21.7



#39
 1,2-Dichloropropane
 Concen: 8.290 ppbv
 RT: 7.19 min Scan# 1369
 Delta R.T.: -0.41 min
 Lab File: VL039501.D
 Acq: 20 Jul 2022 4:32

Tgt Ion:	63	Resp:	674518
Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.6	89.4#
62	18.1	51.4	77.0#

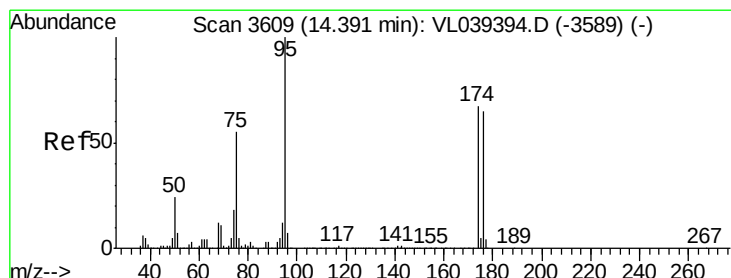
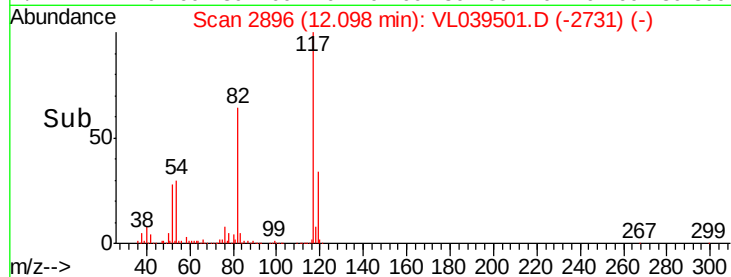
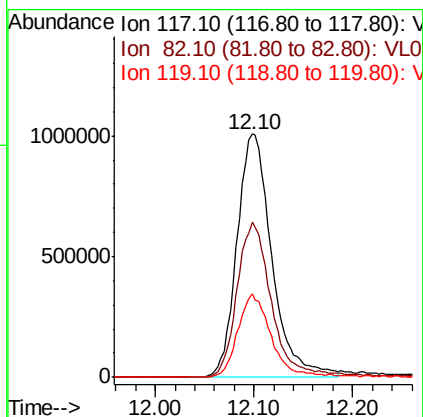
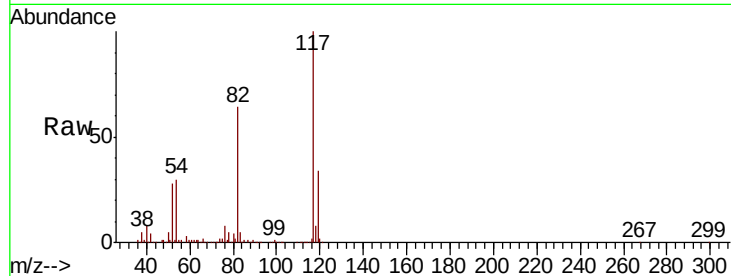




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 20 Jul 2022 4:32

Tot Ion: 117 Resp: 2478739

Ion	Ratio	Lower	Upper
117	100		
82	63.8	50.8	76.2
119	33.2	24.1	36.1



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.866 ppbv
 RT: 14.43 min Scan# 3620
 Delta R.T. 0.04 min
 Lab File: VL039501.D
 Acq: 20 Jul 2022 4:32

Tgt Ion: 95 Resp: 1814277

Ion	Ratio	Lower	Upper
95	100		
174	74.0	55.9	83.9
175	5.5	4.2	6.4

