

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081722\
 Data File : VL039555.D
 Acq On : 17 Aug 2022 19:36
 Operator : SY/AP
 Sample : N4125-03DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 OA1DL

Quant Time: Aug 18 05:37:50 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081722AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 17 12:06:24 2022
 QLast Update : Wed Aug 17 12:06:24 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.21	49	1025631	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	6.66	114	2651284	10.00	ppbv	0.00
55) Chlorobenzene-d5	11.47	117	2398215	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	13.78	95	1818087	10.07	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.70%

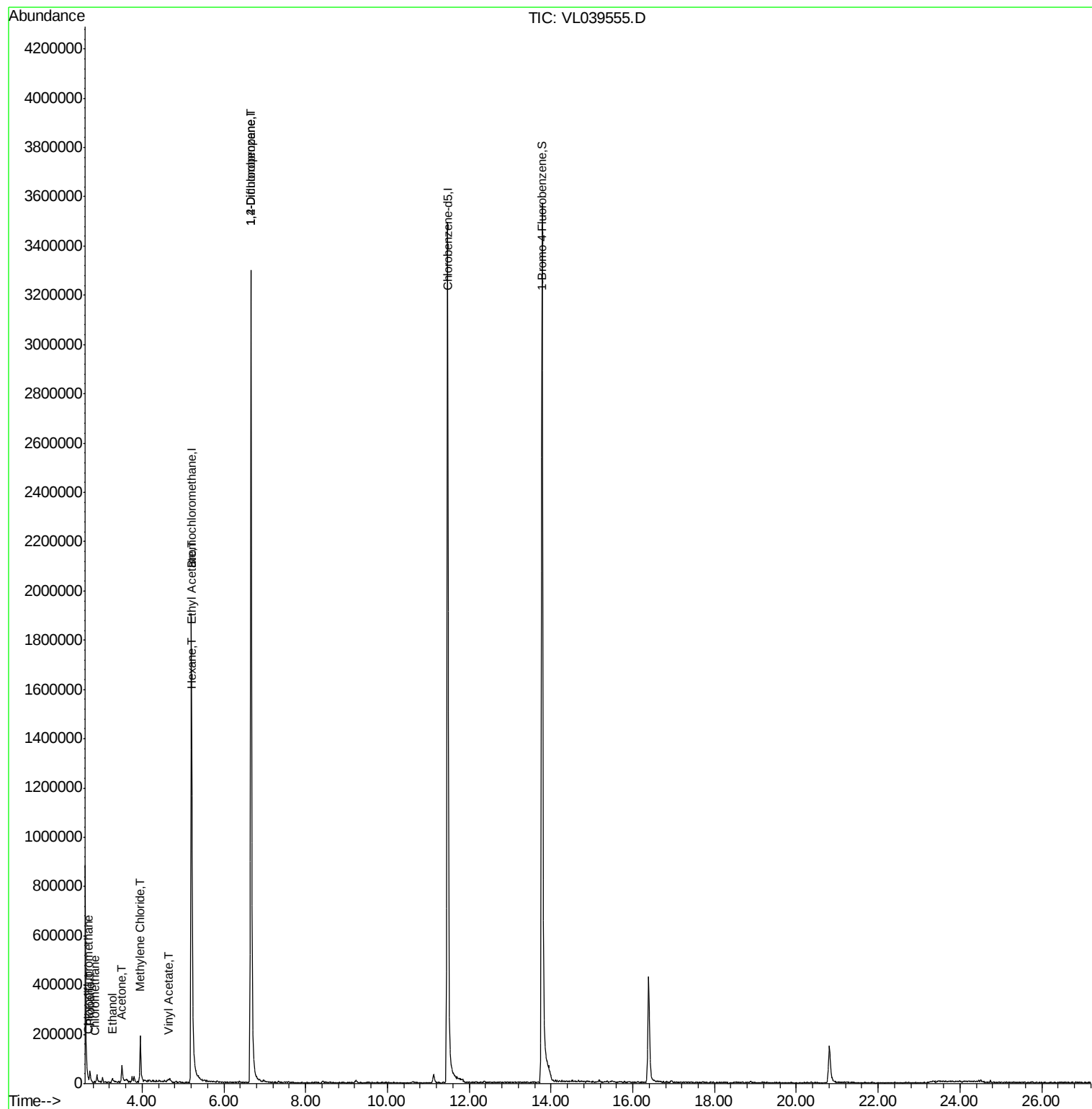
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.70	51	7381	0.060	ppbv #	89
4) Chloromethane	2.83	50	2303	0.031	ppbv #	54
9) Propene	2.73	41	9454	0.169	ppbv	96
13) Ethanol	3.27	45	12750	3.164	ppbv #	29
15) Acetone	3.50	43	68679	0.593	ppbv	95
20) Methylene Chloride	3.95	84	62006	1.314	ppbv	95
23) Vinyl Acetate	4.64	43	4732	0.081	ppbv #	1
25) Ethyl Acetate	5.22	43	14362	0.058	ppbv #	76
26) Hexane	5.23	57	32024	0.316	ppbv #	42
39) 1,2-Dichloropropane	6.66	63	661027	8.729	ppbv #	23

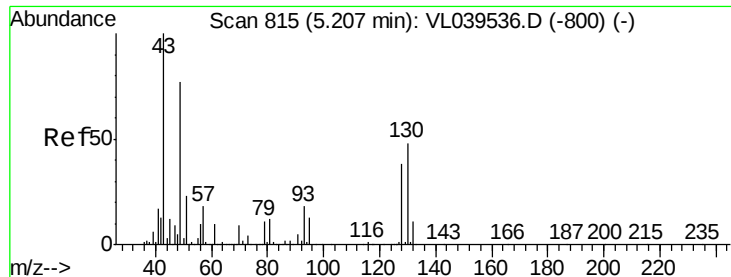
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Aug 17 12:06:24 2022
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.21 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 17 Aug 2022 19:30

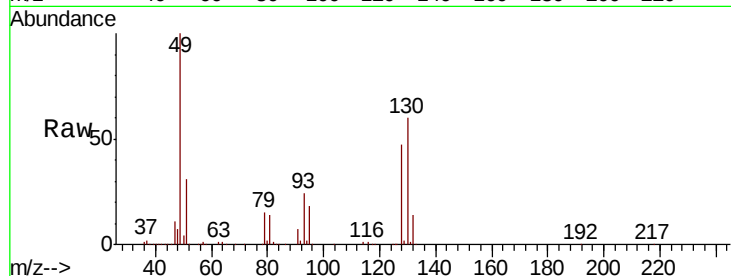
Tot Ion: 49 Resp: 1025631

Ion Ratio Lower Upper

49 100

128 49.2 25.7 77.0

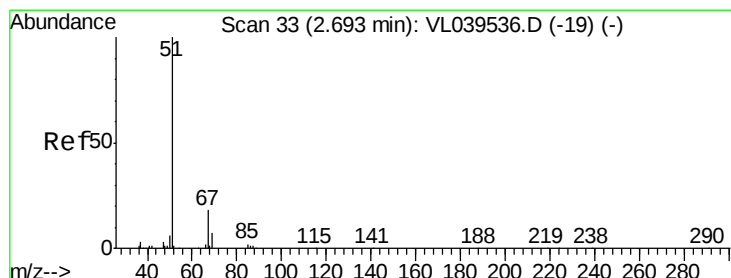
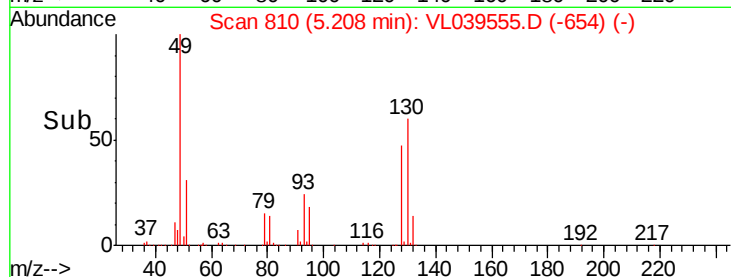
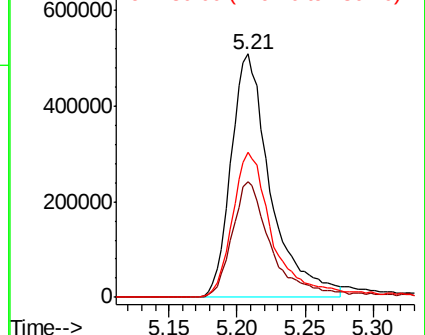
130 63.0 31.6 95.0



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



#3

Chlorodifluoromethane

Concen: 0.060 ppbv

RT: 2.70 min Scan# 30

Delta R.T. 0.01 min

Lab File: VL039555.D

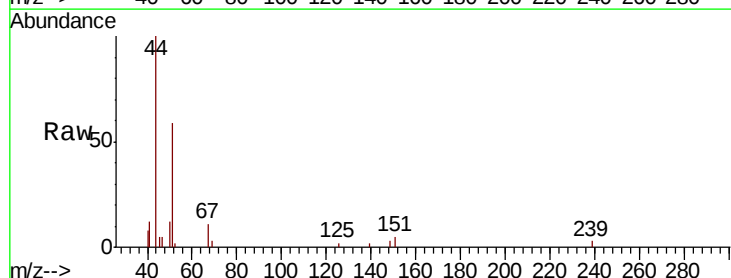
Acq: 17 Aug 2022 19:36

Tgt Ion: 51 Resp: 7381

Ion Ratio Lower Upper

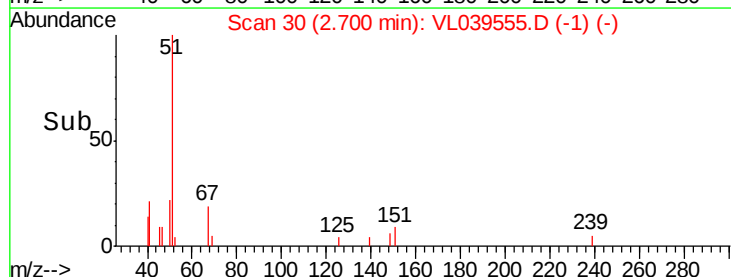
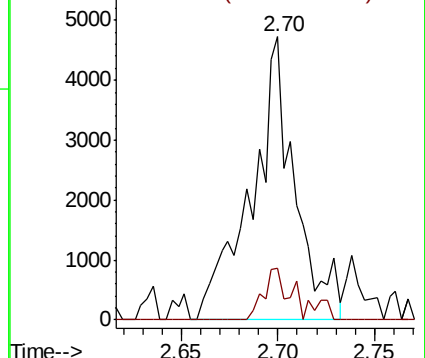
51 100

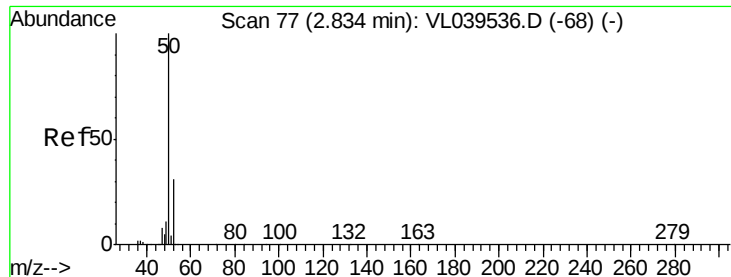
67 13.4 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.031 ppbv

RT: 2.83 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

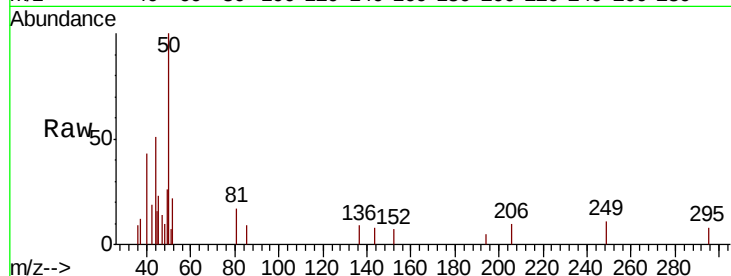
Acq: 17 Aug 2022 19:30

Tot Ion: 50 Resp: 2303

Ion Ratio Lower Upper

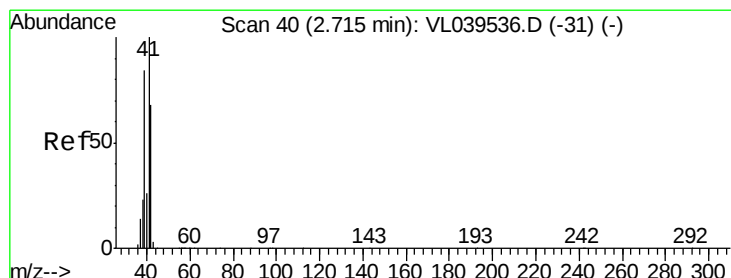
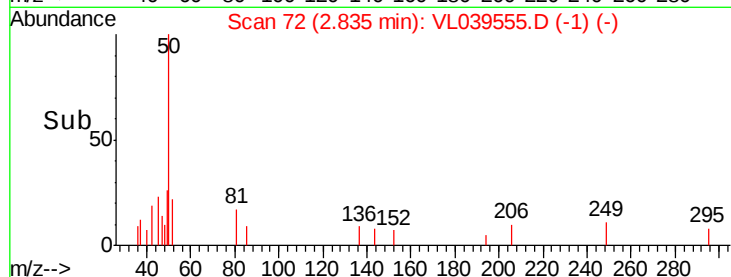
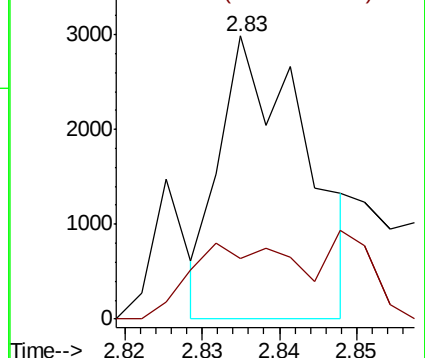
50 100

52 5.4 24.3 36.5#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.169 ppbv

RT: 2.73 min Scan# 38

Delta R.T. 0.01 min

Lab File: VL039555.D

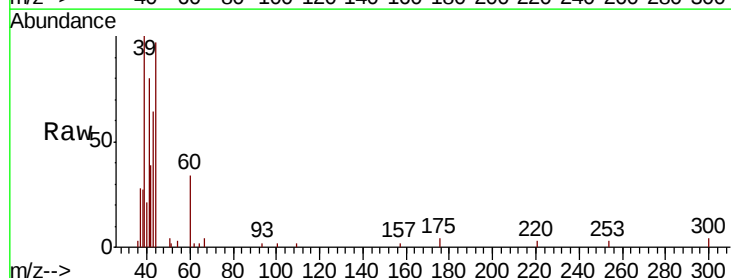
Acq: 17 Aug 2022 19:36

Tgt Ion: 41 Resp: 9454

Ion Ratio Lower Upper

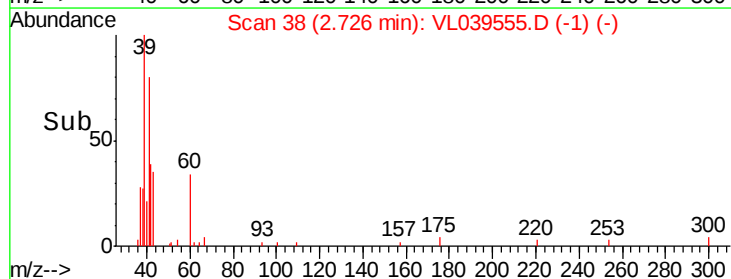
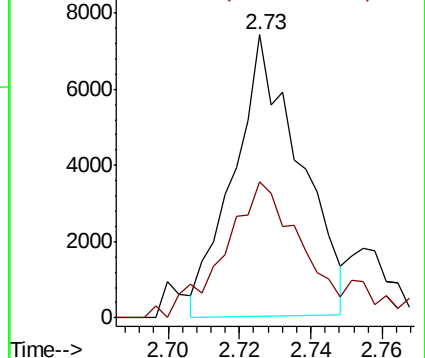
41 100

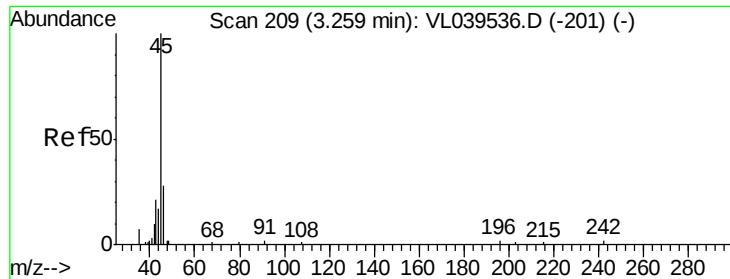
42 65.7 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 3.164 ppbv

RT: 3.27 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

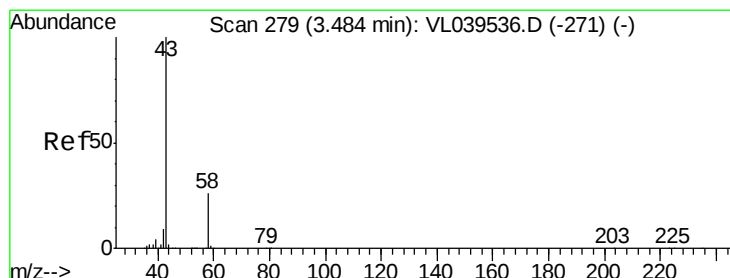
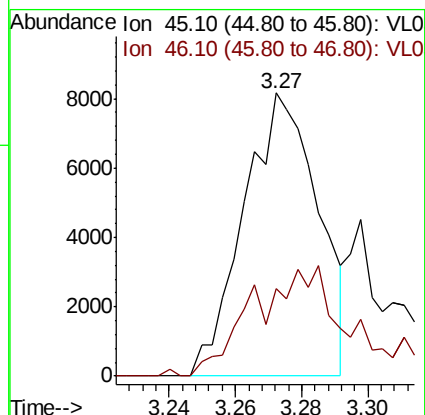
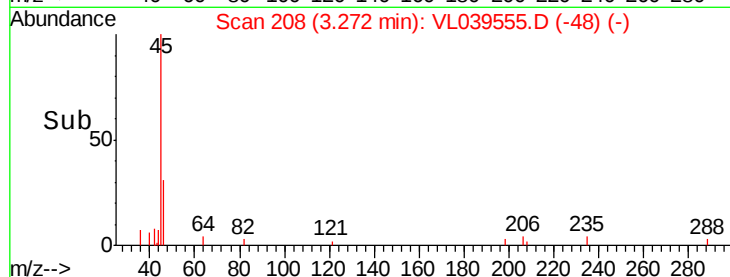
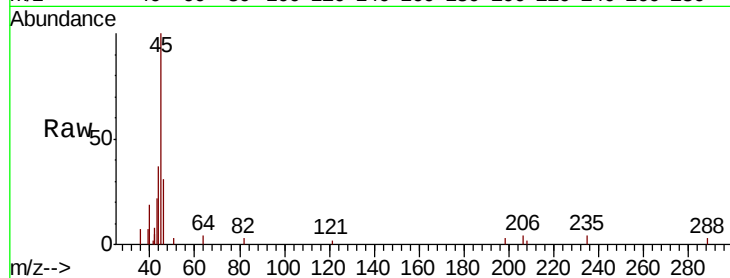
Acq: 17 Aug 2022 19:30

Tot Ion: 45 Resp: 12750

Ion Ratio Lower Upper

45 100

46 0.0 19.3 77.1#



#15

Acetone

Concen: 0.593 ppbv

RT: 3.50 min Scan# 280

Delta R.T. 0.02 min

Lab File: VL039555.D

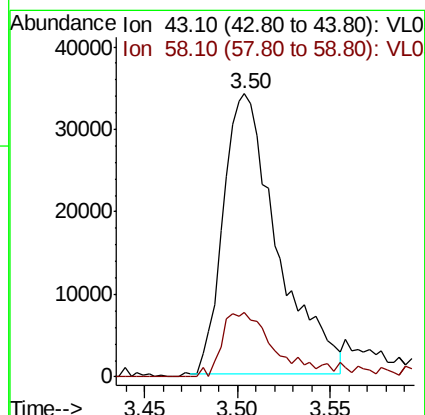
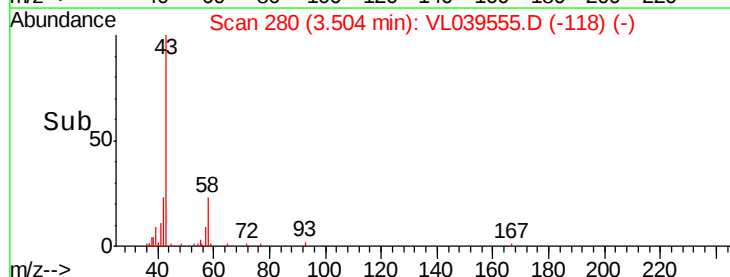
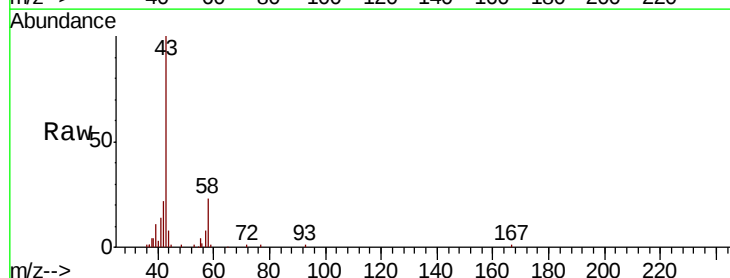
Acq: 17 Aug 2022 19:36

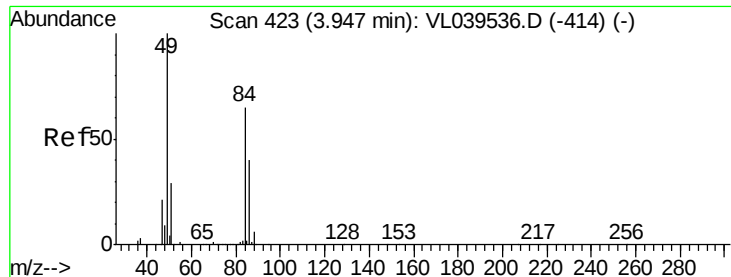
Tgt Ion: 43 Resp: 68679

Ion Ratio Lower Upper

43 100

58 23.6 20.7 31.1





#20

Methylene Chloride

Concen: 1.314 ppbv

RT: 3.95 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: OA1DL

Acq: 17 Aug 2022 19:30

Tot Ion: 84 Resp: 62006

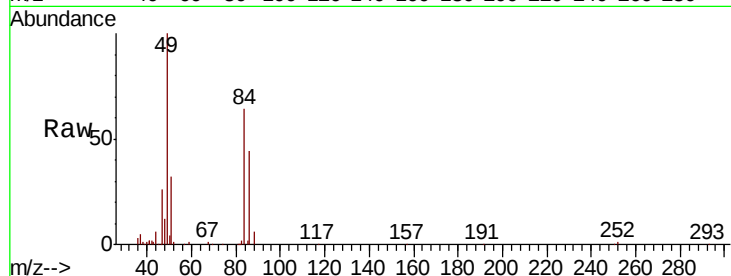
Ion Ratio Lower Upper

84 100

49 156.2 122.2 183.4

51 49.5 35.8 53.6

86 68.9 48.4 72.6

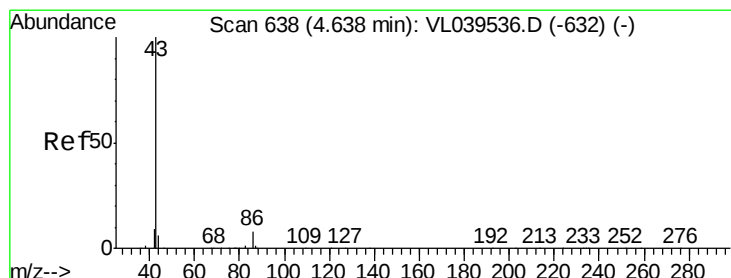
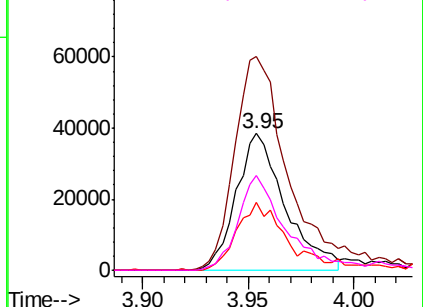
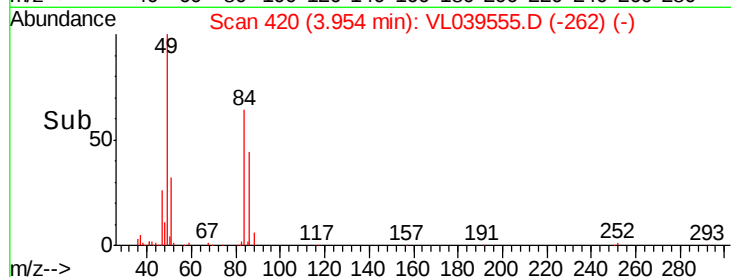


Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#23

Vinyl Acetate

Concen: 0.081 ppbv

RT: 4.64 min Scan# 632

Delta R.T. -0.00 min

Lab File: VL039555.D

Acq: 17 Aug 2022 19:36

Tgt Ion: 43 Resp: 4732

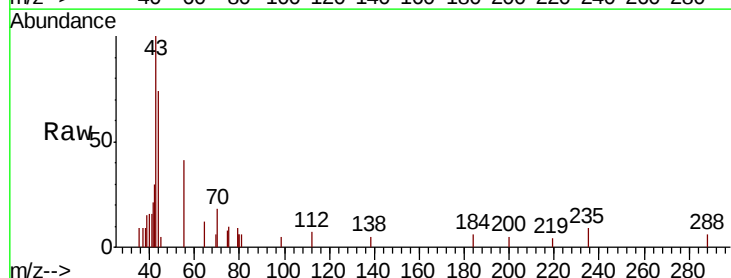
Ion Ratio Lower Upper

43 100

86 0.0 5.3 7.9#

42 107.7 8.7 13.1#

44 22.4 5.1 7.7#

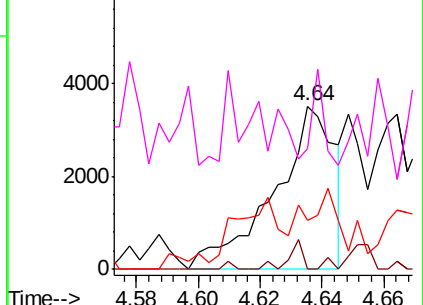
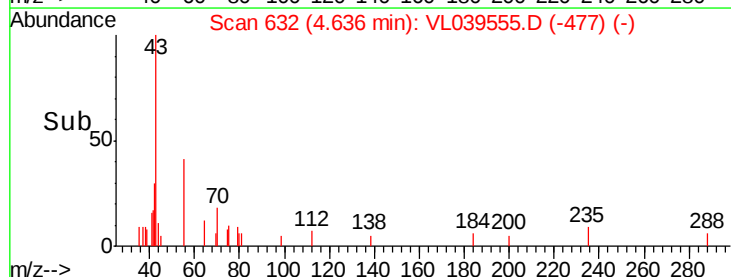


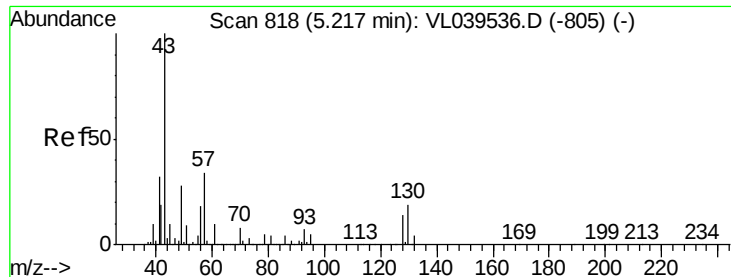
Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 86.10 (85.80 to 86.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

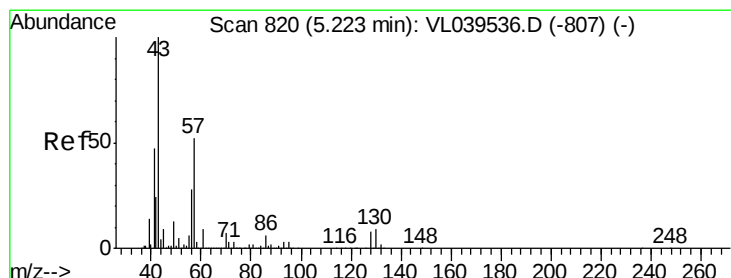
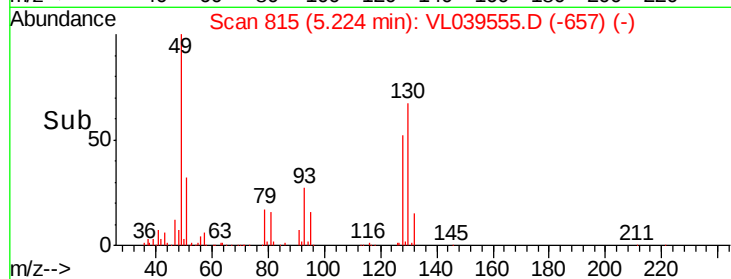
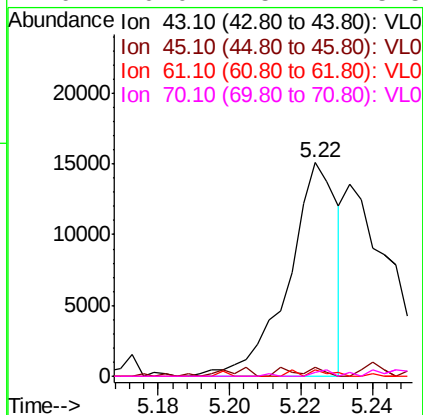
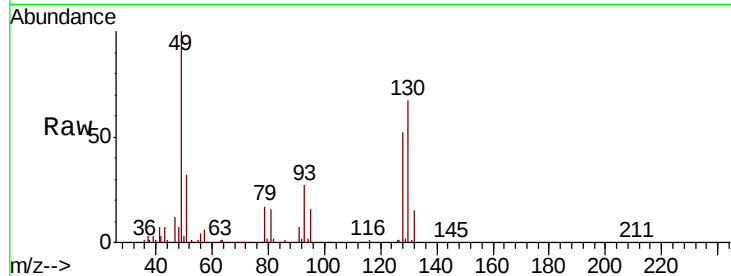
Ion 44.10 (43.80 to 44.80): VL0





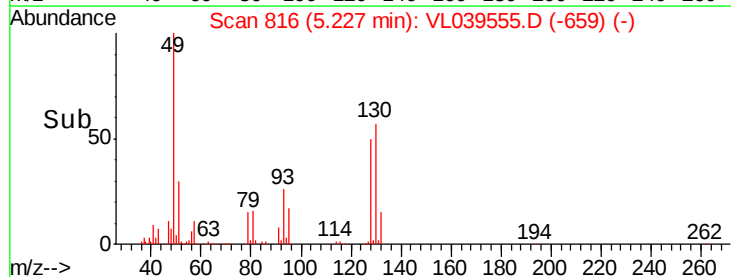
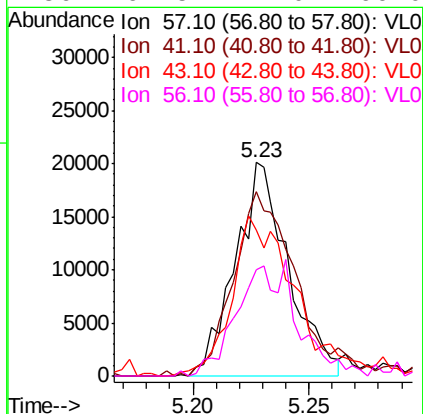
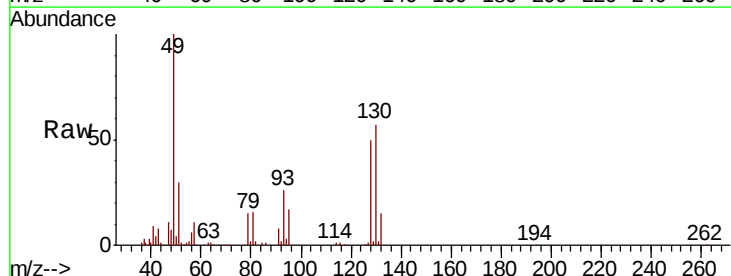
#25
Ethyl Acetate
Concen: 0.058 ppbv
RT: 5.22
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 17 Aug 2022 19:30

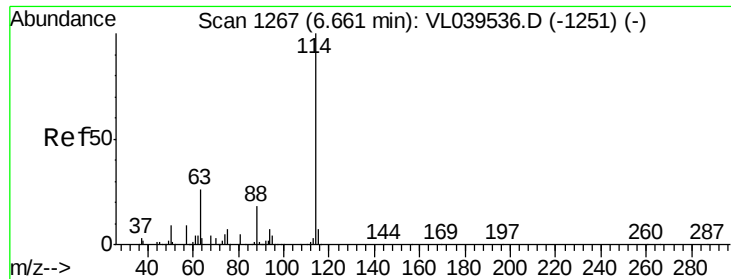
Tot Ion:	43	Resp:	14362
Ion	Ratio	Lower	Upper
43	100		
45	0.0	8.2	12.4#
61	2.1	8.6	12.8#
70	0.0	5.7	8.5#



#26
Hexane
Concen: 0.316 ppbv
RT: 5.23 min Scan# 816
Delta R.T. 0.00 min
Lab File: VL039555.D
Acq: 17 Aug 2022 19:36

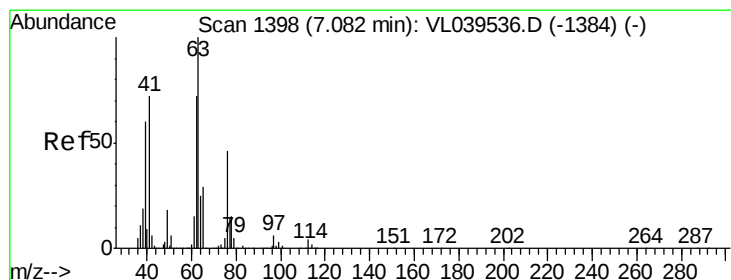
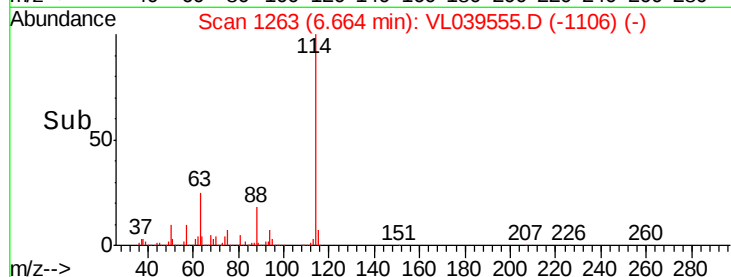
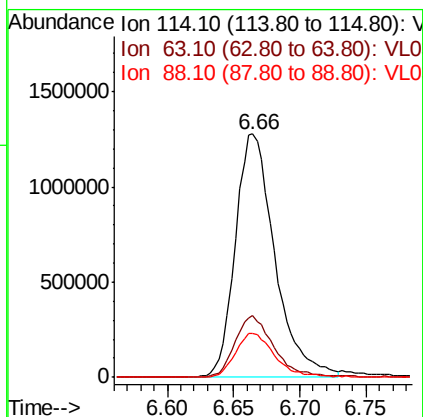
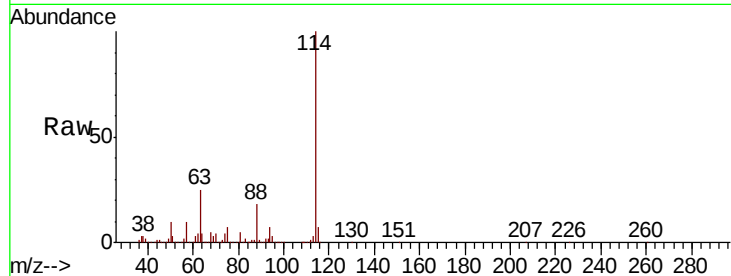
Tgt Ion:	57	Resp:	32024
Ion	Ratio	Lower	Upper
57	100		
41	102.9	79.4	119.2
43	93.2	199.7	299.5#
56	62.5	44.0	66.0





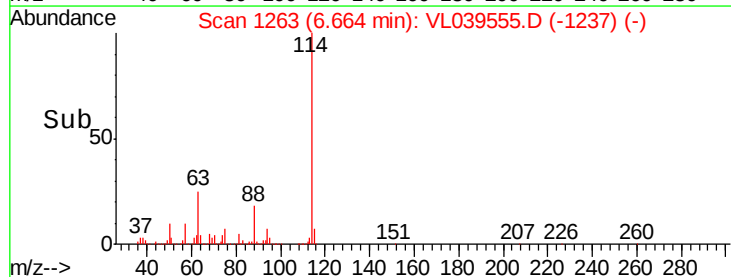
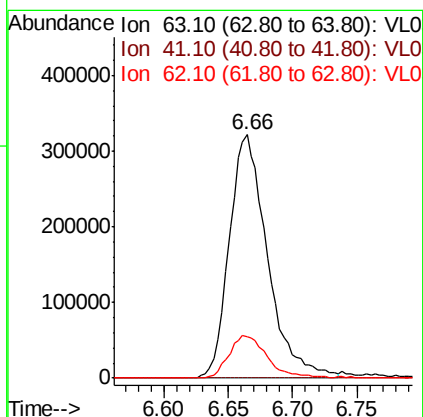
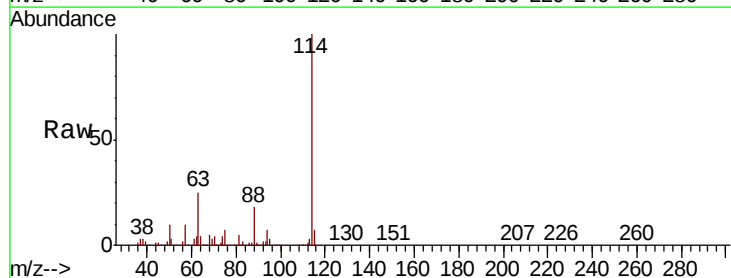
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 6.66 min
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 17 Aug 2022 19:30

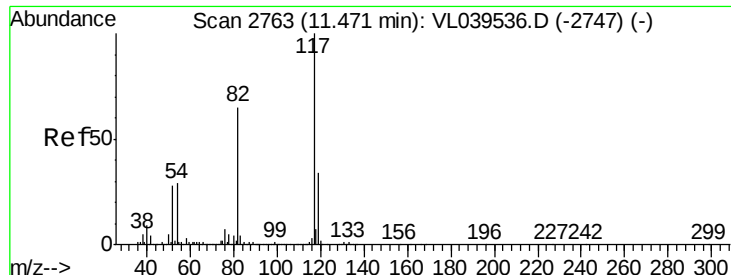
Tot Ion:	114	Resp:	2651284
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.6	31.0
88	18.5	14.6	22.0



#39
 1,2-Dichloropropane
 Concen: 8.729 ppbv
 RT: 6.66 min Scan# 1263
 Delta R.T. -0.42 min
 Lab File: VL039555.D
 Acq: 17 Aug 2022 19:36

Tgt Ion:	63	Resp:	661027
Ion	Ratio	Lower	Upper
63	100		
41	0.0	58.0	87.0#
62	16.7	57.8	86.8#

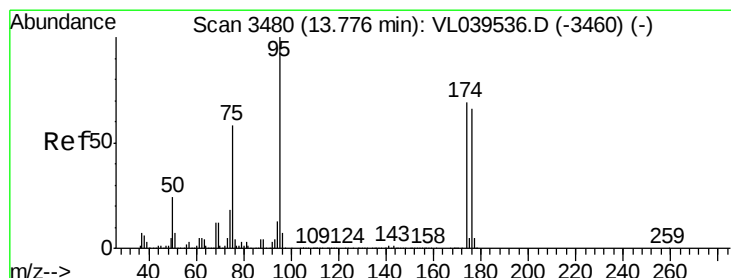
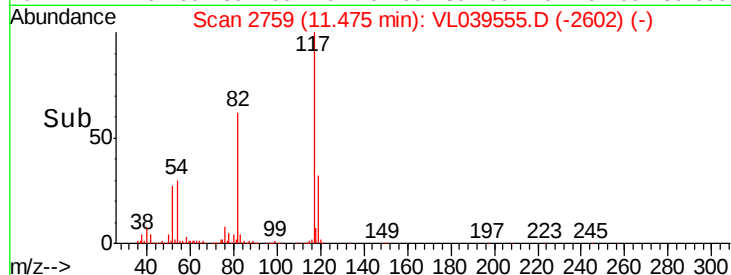
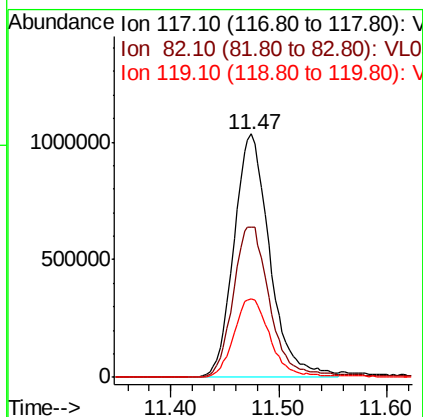
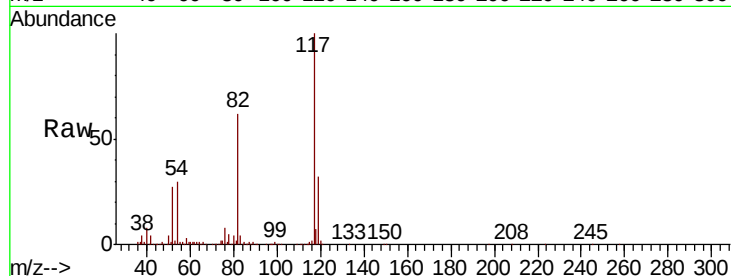




#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 11.47 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 OA1DL
 Acq: 17 Aug 2022 19:30

Tot Ion:117 Resp: 2398215

Ion	Ratio	Lower	Upper
117	100		
82	65.4	49.1	73.7
119	33.5	25.9	38.9



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.070 ppbv
 RT: 13.78 min Scan# 3477
 Delta R.T.: 0.01 min
 Lab File: VL039555.D
 Acq: 17 Aug 2022 19:36

Tgt Ion: 95 Resp: 1818087

Ion	Ratio	Lower	Upper
95	100		
174	71.5	56.3	84.5
175	4.9	4.3	6.5

