

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032322\
 Data File : VL038727.D
 Acq On : 23 Mar 2022 22:29
 Operator : SY/AP
 Sample : N2047-04DL 5X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 C0PA2DL

Quant Time: Mar 24 04:35:51 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
 QLast Update : Mon Mar 21 17:09:26 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	885504	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	2303987	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	1955220	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	1424993	9.51	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.10%

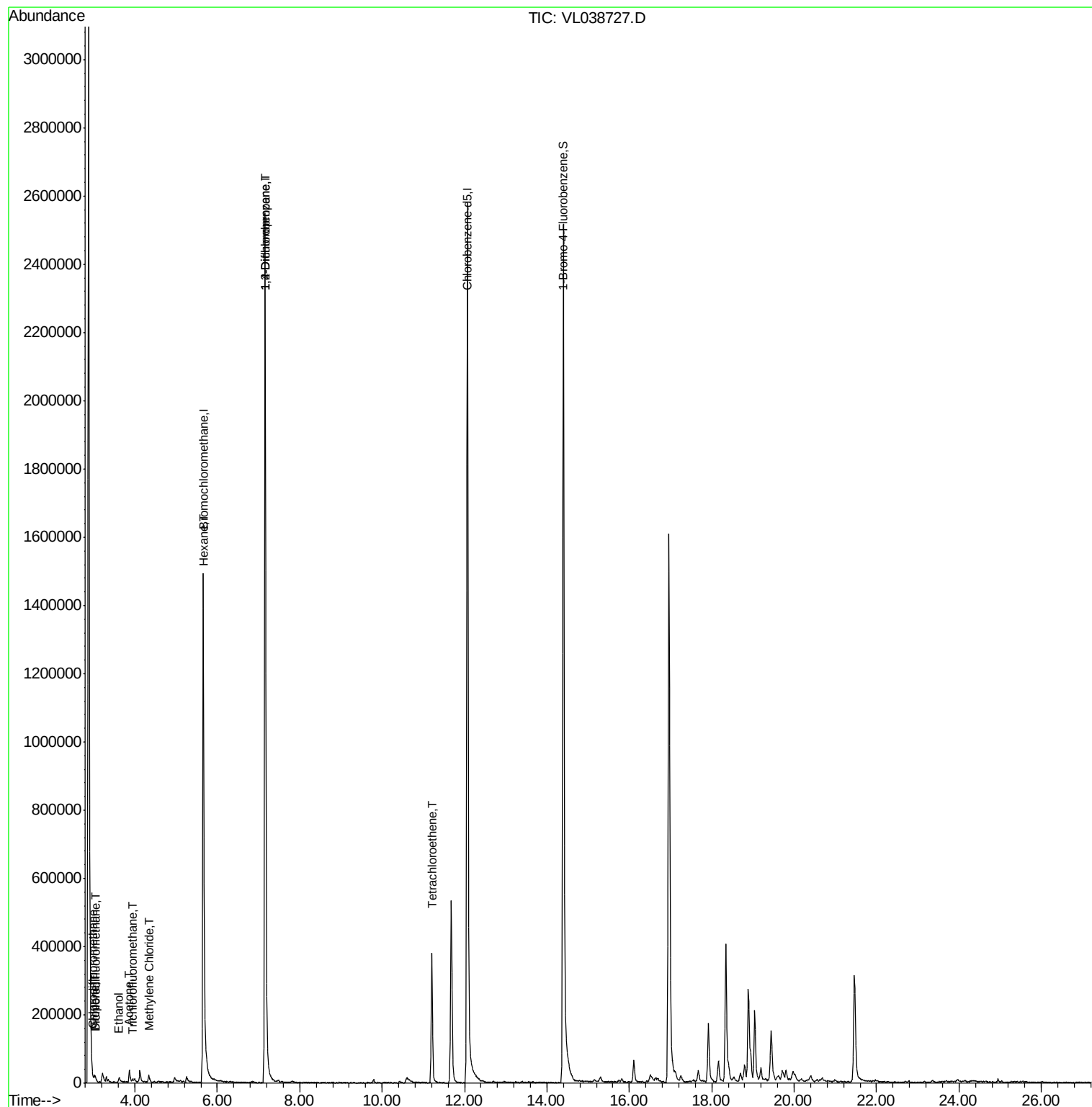
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	9229	0.078	ppbv	94
3) Chlorodifluoromethane	2.98	51	5256	0.056	ppbv	99
9) Propene	3.01	41	2467	0.055	ppbv #	15
11) Trichlorofluoromethane	3.94	101	3799	0.036	ppbv	98
13) Ethanol	3.61	45	6295	1.264	ppbv #	1
15) Acetone	3.86	43	35170	0.460	ppbv #	78
20) Methylene Chloride	4.34	84	8726	0.271	ppbv	96
26) Hexane	5.67	57	3834	0.045	ppbv #	47
39) 1,2-Dichloropropane	7.16	63	532390	7.659	ppbv #	29
52) Tetrachloroethene	11.21	164	104523	1.606	ppbv	95

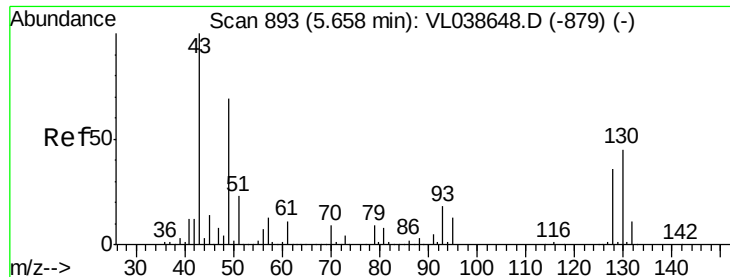
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 24 04:35:51 2022
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL032122AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Mar 21 17:09:26 2022
QLast Update : Mon Mar 21 17:09:26 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: C0PA2DL

Acq: 23 Mar 2022 22:29

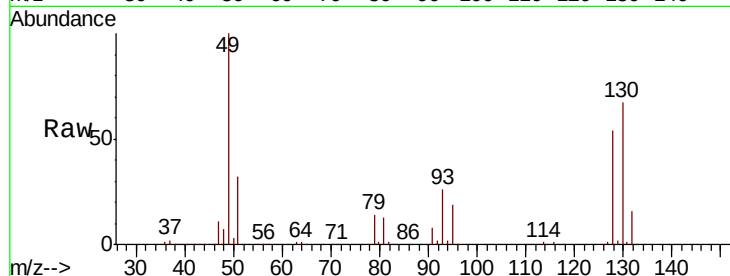
Tot Ion: 49 Resp: 885504

Ion Ratio Lower Upper

49 100

128 54.3 26.2 78.6

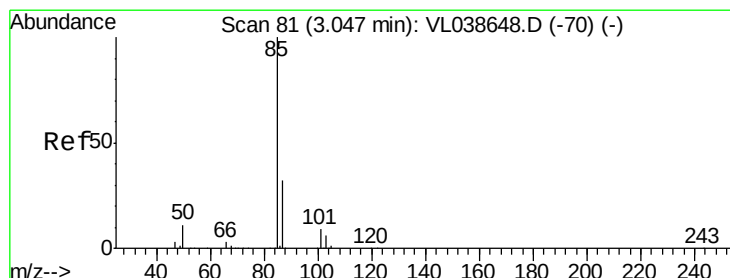
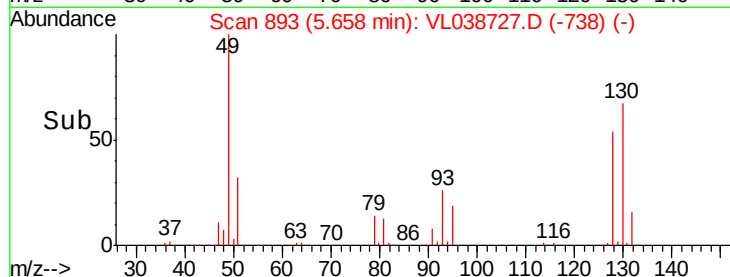
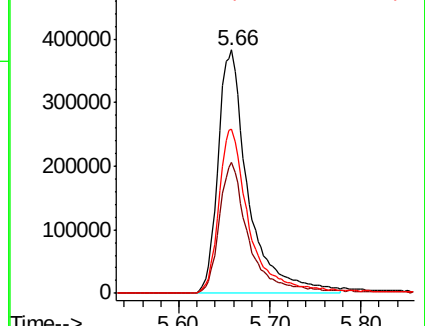
130 70.3 33.7 101.1



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: 0.078 ppbv

RT: 3.05 min Scan# 81

Delta R.T. -0.00 min

Lab File: VL038727.D

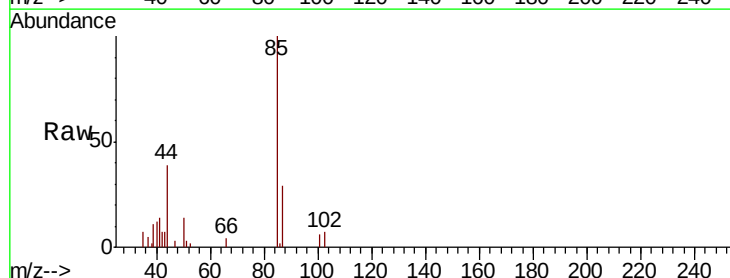
Acq: 23 Mar 2022 22:29

Tgt Ion: 85 Resp: 9229

Ion Ratio Lower Upper

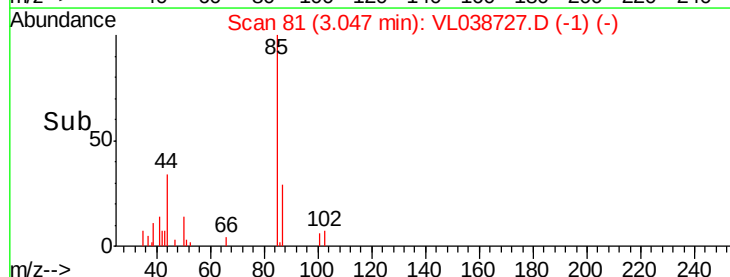
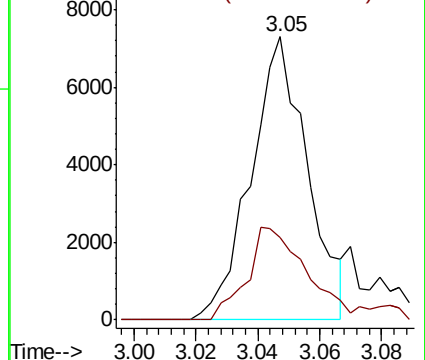
85 100

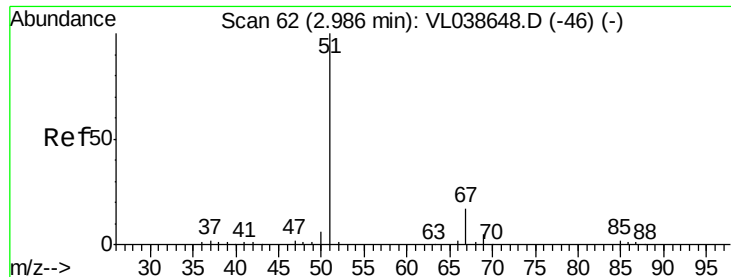
87 29.0 26.0 39.0



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.056 ppbv

RT: 2.98 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

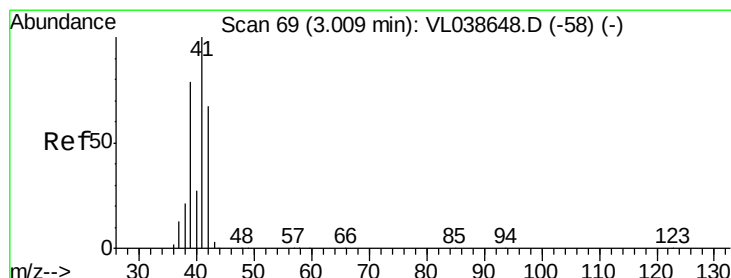
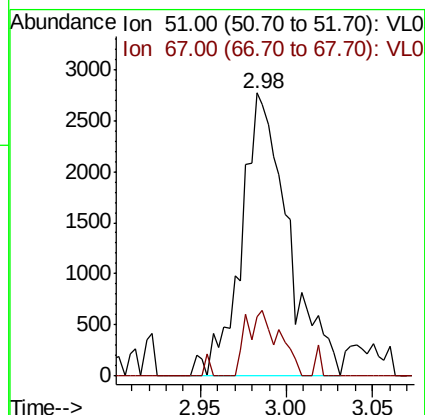
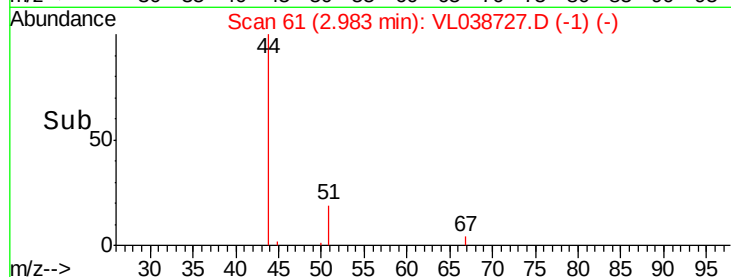
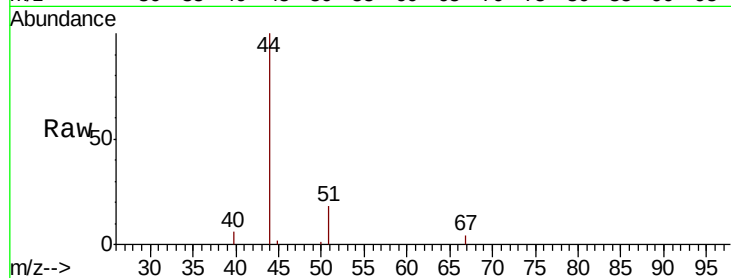
Acq: 23 Mar 2022 22:29

Tot Ion: 51 Resp: 5256

Ion Ratio Lower Upper

51 100

67 18.1 14.1 21.1



#9

Propene

Concen: 0.055 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL038727.D

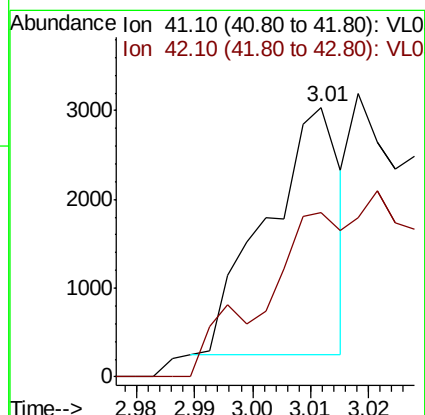
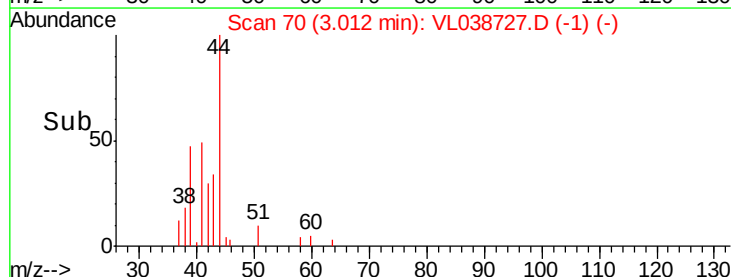
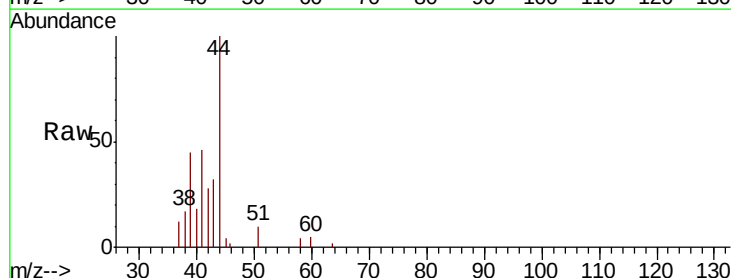
Acq: 23 Mar 2022 22:29

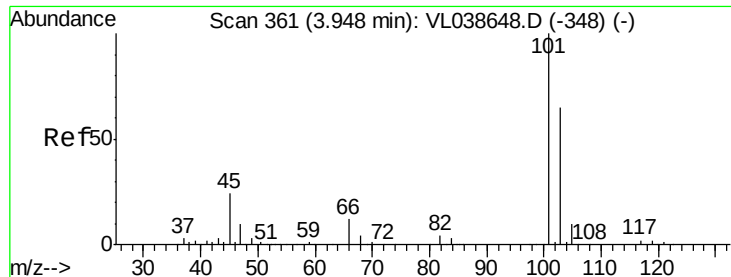
Tgt Ion: 41 Resp: 2467

Ion Ratio Lower Upper

41 100

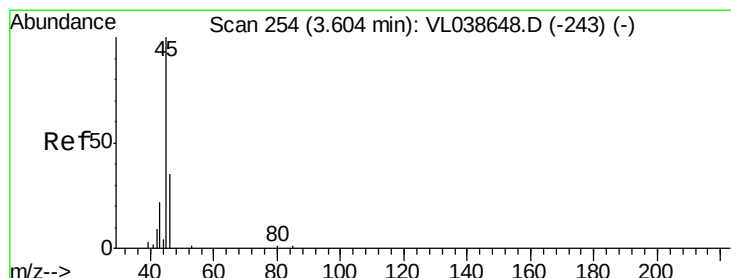
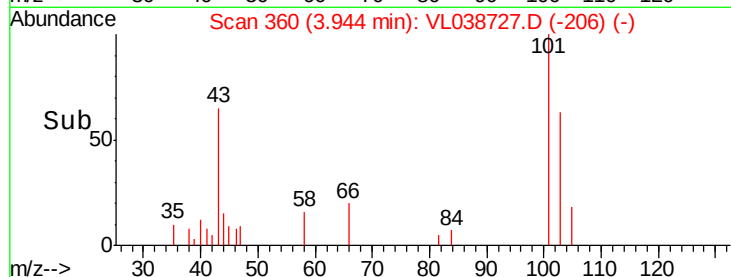
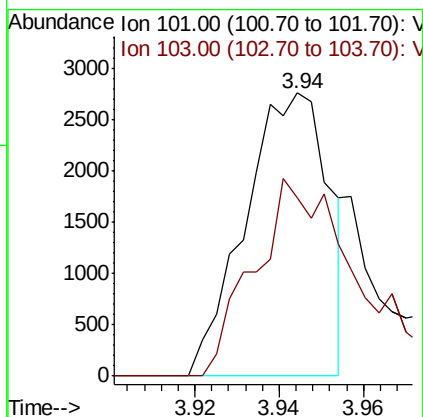
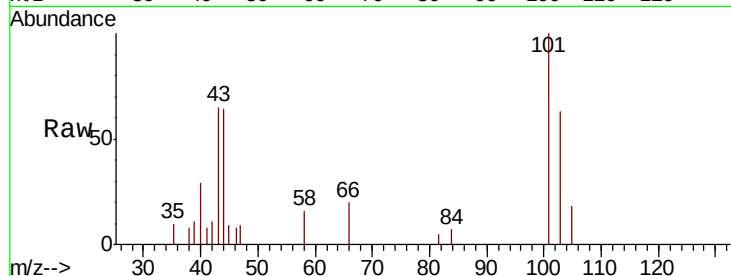
42 0.0 56.2 84.4#





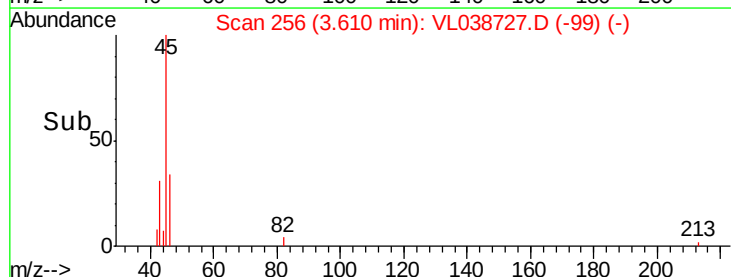
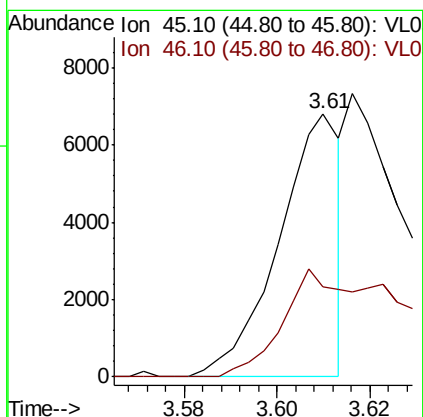
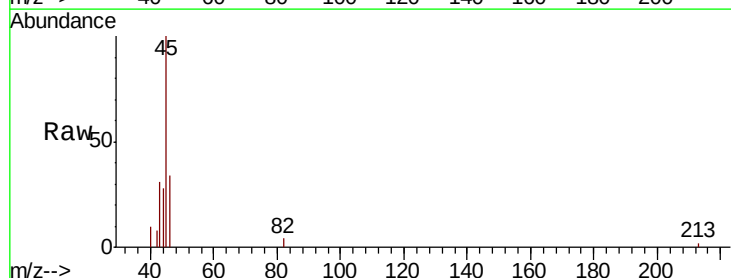
#11
 Trichlorofluoromethane
 Concen: 0.036 ppbv
 RT: 3.94
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 C0PA2DL
 Acq: 23 Mar 2022 22:29

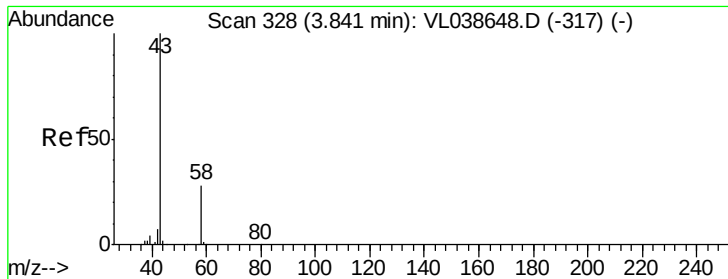
Tot Ion: 101 Resp: 3799
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.9 77.9



#13
 Ethanol
 Concen: 1.264 ppbv
 RT: 3.61 min Scan# 256
 Delta R.T. 0.01 min
 Lab File: VL038727.D
 Acq: 23 Mar 2022 22:29

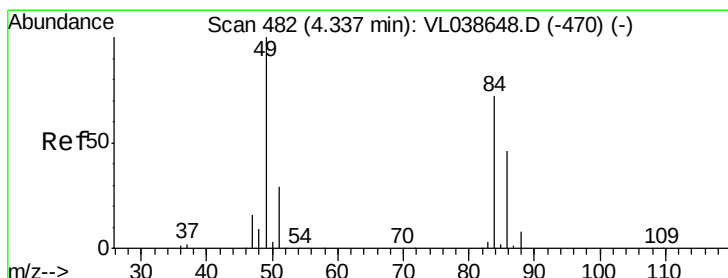
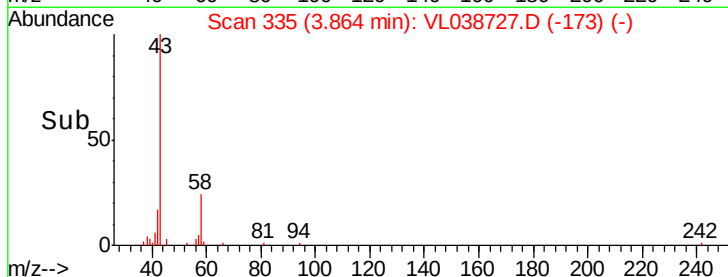
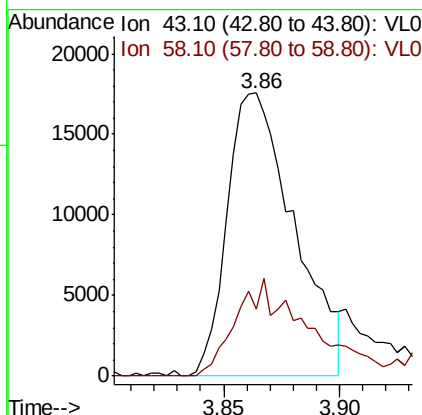
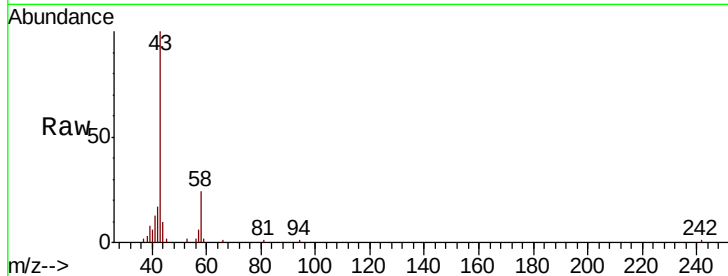
Tgt Ion: 45 Resp: 6295
 Ion Ratio Lower Upper
 45 100
 46 113.2 15.1 60.5#





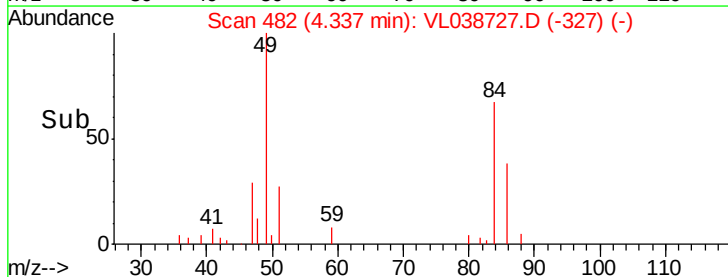
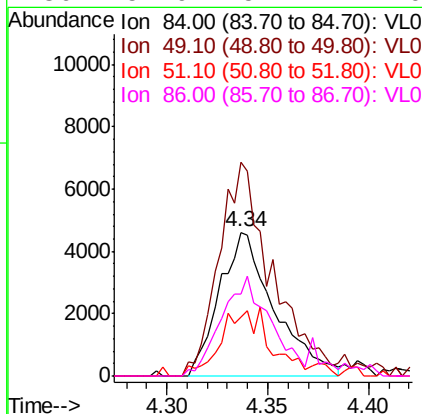
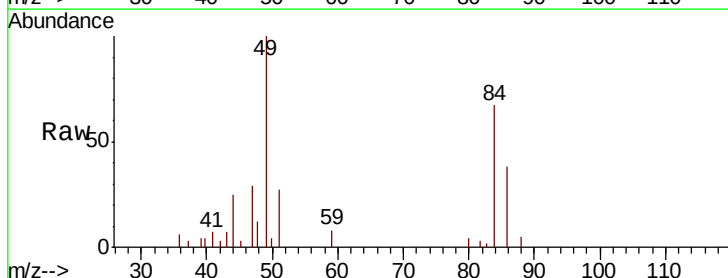
#15
Acetone
Concen: 0.460 ppbv
RT: 3.86
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 23 Mar 2022 22:29

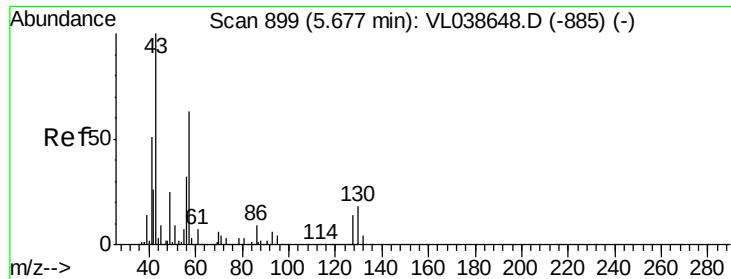
Tot Ion: 43 Resp: 35170
Ion Ratio Lower Upper
43 100
58 41.1 23.3 34.9#



#20
Methylene Chloride
Concen: 0.271 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.00 min
Lab File: VL038727.D
Acq: 23 Mar 2022 22:29

Tgt Ion: 84 Resp: 8726
Ion Ratio Lower Upper
84 100
49 140.1 111.2 166.8
51 40.9 32.8 49.2
86 52.9 51.4 77.0





#26

Hexane

Concen: 0.045 ppbv

RT: 5.67 Instrument:

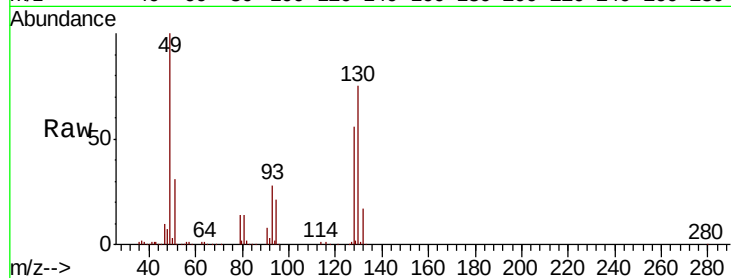
Delta R.T. MSVOA_L

Lab File: ClientSampleId:

Acq: 23 Mar 2022 22:29

Tot Ion: 57 Resp: 3834

Ion	Ratio	Lower	Upper
57	100		
41	128.3	67.0	100.4#
43	136.9	184.2	276.2#
56	84.5	42.6	64.0#

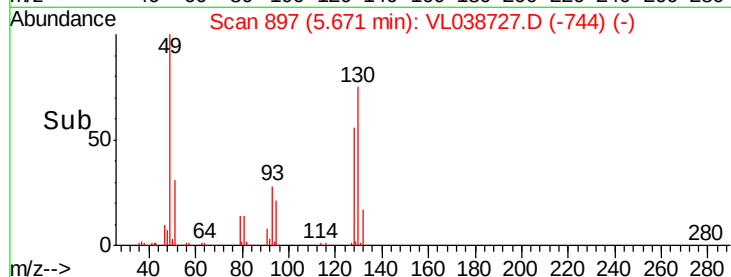
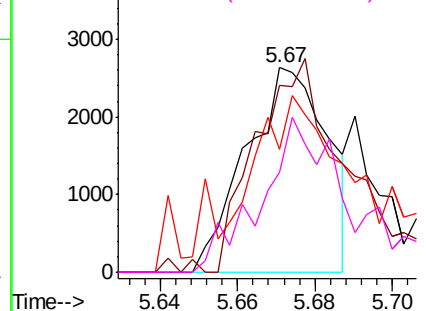


Abundance Ion 57.10 (56.80 to 57.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.16 min Scan# 1361

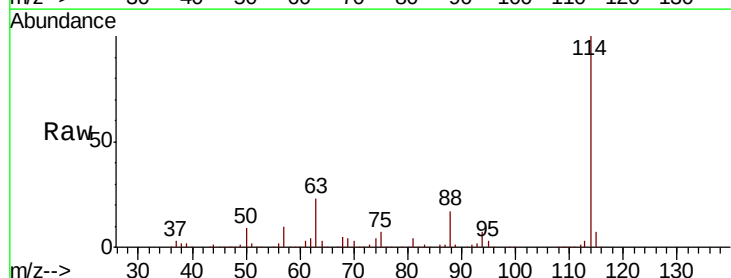
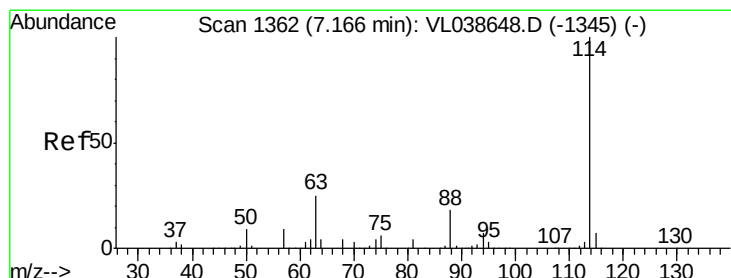
Delta R.T. -0.00 min

Lab File: VL038727.D

Acq: 23 Mar 2022 22:29

Tgt Ion: 114 Resp: 2303987

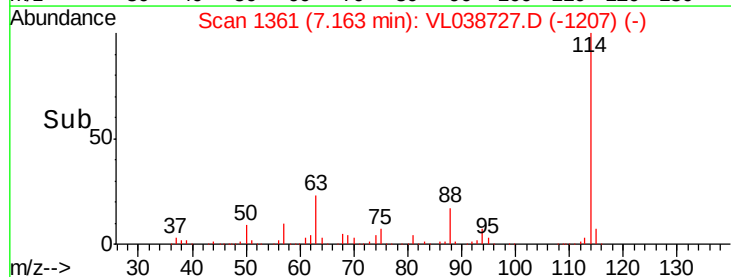
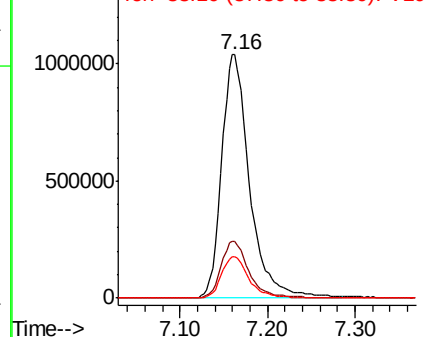
Ion	Ratio	Lower	Upper
114	100		
63	23.5	19.4	29.0
88	17.1	13.9	20.9

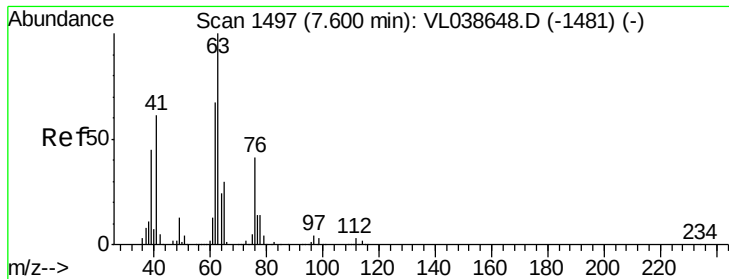


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

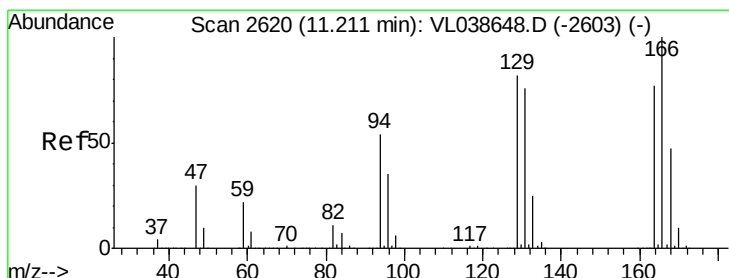
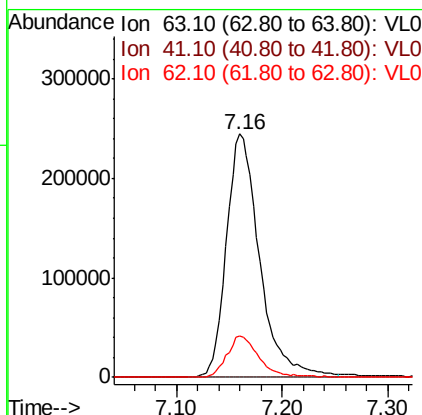
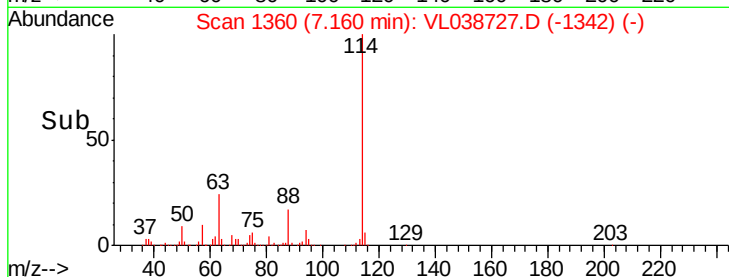
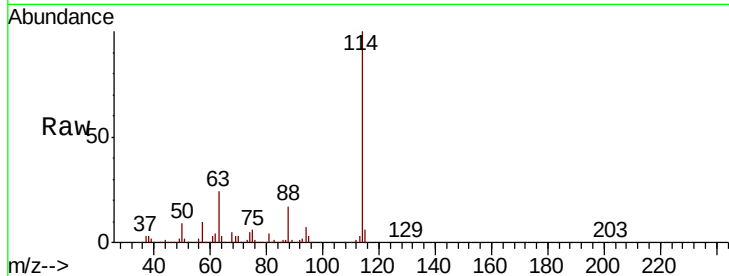
Ion 88.10 (87.80 to 88.80): VL0





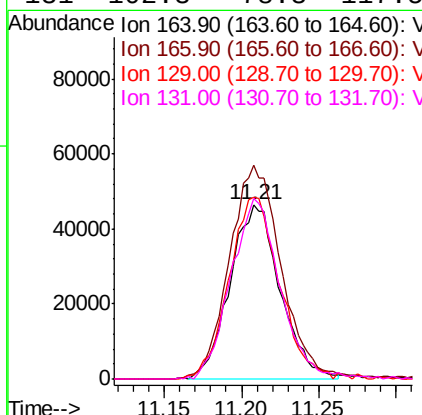
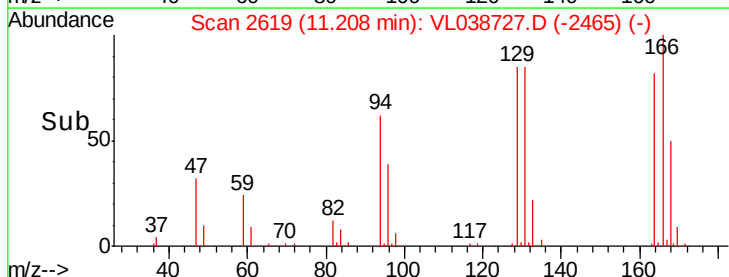
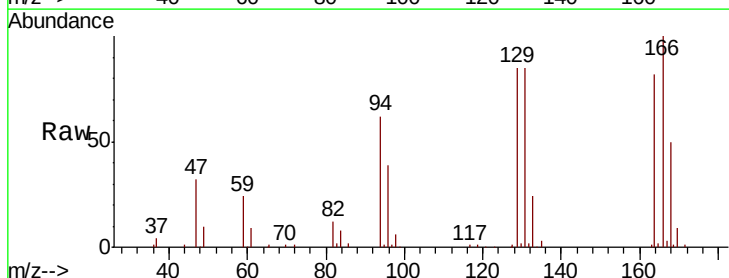
#39
 1,2-Dichloropropane
 Concen: 7.659 ppbv
 RT: 7.16
 Delta R.T. MSVOA_L
 Lab File: ClientSampleId :
 Acq: 23 Mar 2022 22:29

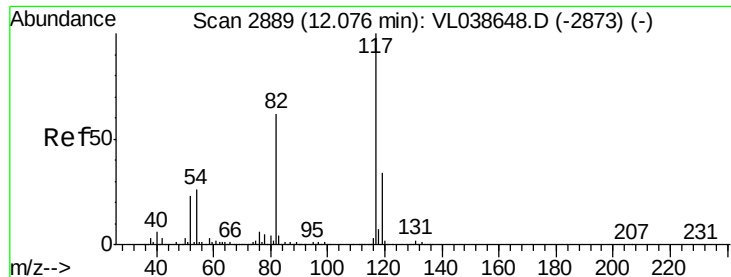
Tot Ion	63	41	62
Resp	532390		
Ratio	100	0.0	17.0
Lower		49.0	53.9
Upper		73.6#	80.9#



#52
 Tetrachloroethene
 Concen: 1.606 ppbv
 RT: 11.21 min Scan# 2619
 Delta R.T. -0.00 min
 Lab File: VL038727.D
 Acq: 23 Mar 2022 22:29

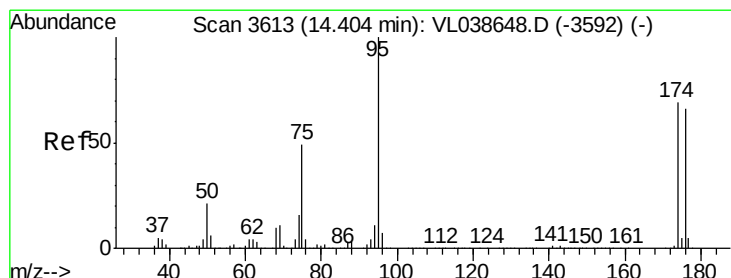
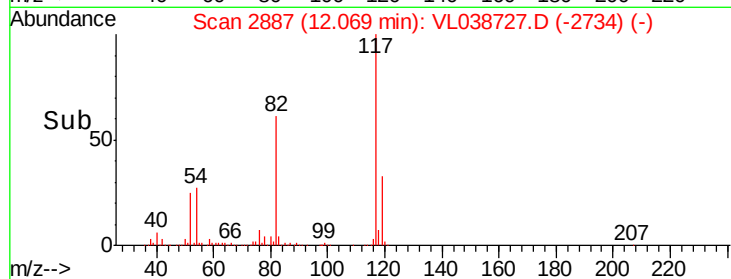
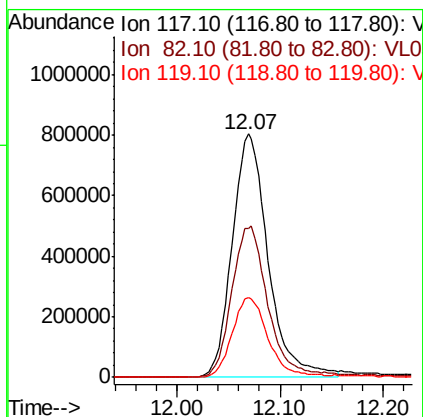
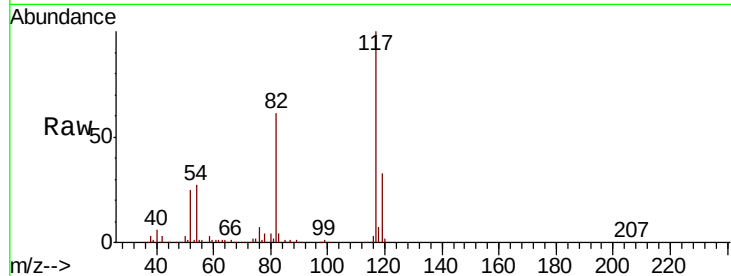
Tgt Ion	164	166	129	131
Resp	104523			
Ratio	100	120.7	102.8	102.3
Lower		103.3	85.2	78.3
Upper		154.9	127.8	117.5





#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId :
 C0PA2DL
 Acq: 23 Mar 2022 22:29

Tot Ion: 117 Resp: 1955220
 Ion Ratio Lower Upper
 117 100
 82 65.6 51.6 77.4
 119 33.6 26.9 40.3



#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.506 ppbv
 RT: 14.40 min Scan# 3611
 Delta R.T.: -0.01 min
 Lab File: VL038727.D
 Acq: 23 Mar 2022 22:29

Tgt Ion: 95 Resp: 1424993
 Ion Ratio Lower Upper
 95 100
 174 71.3 56.1 84.1
 175 5.0 4.2 6.2

