

Data Path : Z:\voasrv\HPCHEM1\MSVOA_L\Data\VL062922\
 Data File : VL039399.D
 Acq On : 29 Jun 2022 15:03
 Operator : SY/AP
 Sample : VSTDICC0.03
 Misc : 400mL/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VSTDICC0.03

Quant Time: Jun 29 15:37:40 2022
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Wed Jun 29 15:33:53 2022
 QLast Update : Wed Jun 29 15:33:53 2022
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1236433	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3438040	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3022899	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.39	95	2253272	9.02	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	90.20%

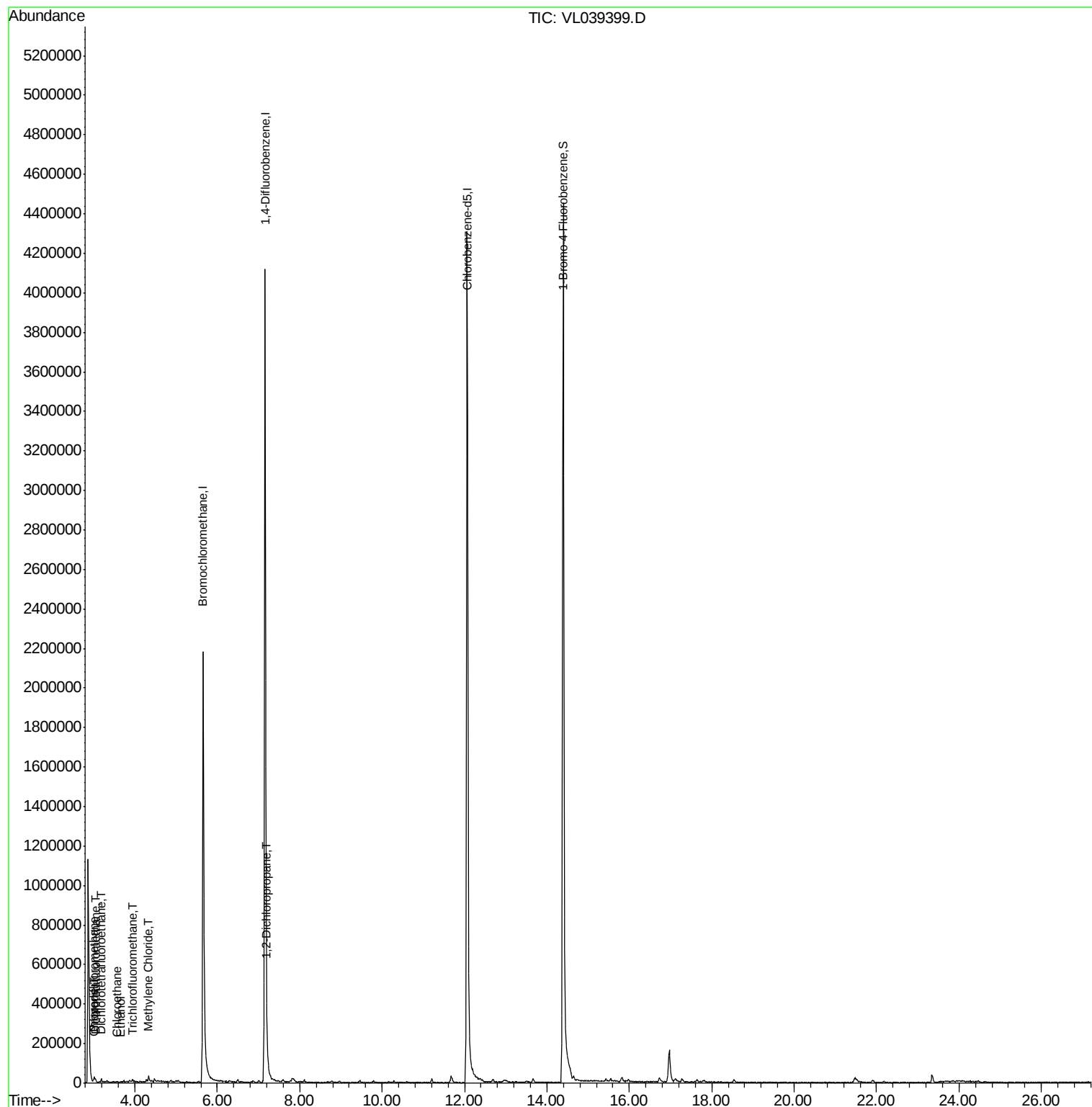
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.05	85	9439	0.04	ppbv	99
3) Chlorodifluoromethane	2.98	51	6221	0.04	ppbv	100
7) Chloroethane	3.56	64	907	0.03	ppbv #	84
8) Dichlorotetrafluoroethane	3.18	85	7454	0.04	ppbv	98
9) Propene	3.01	41	6204	0.09	ppbv #	68
11) Trichlorofluoromethane	3.94	101	5936	0.03	ppbv #	52
13) Ethanol	3.65	45	174	0.05	ppbv #	23
20) Methylene Chloride	4.33	84	6134	0.11	ppbv #	76
39) 1,2-Dichloropropane	7.21	63	14133	0.13	ppbv #	22

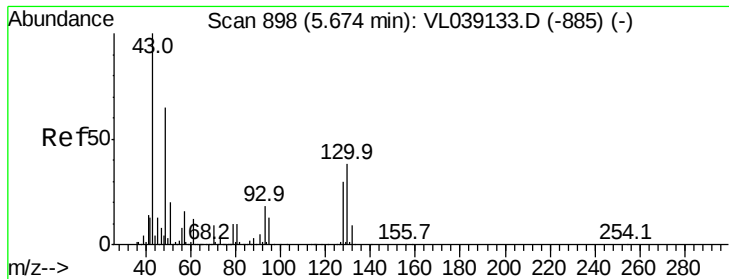
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 29 15:37:40 2022
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL062922AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jun 29 15:33:53 2022
QLast Update : Wed Jun 29 15:33:53 2022
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.65 Instrument: MSVOA_1

Delta R.T. 0.01 min

Lab File: ClientSampleId: VSTDIC0.03

Acq: 29 Jun 2022 15:03

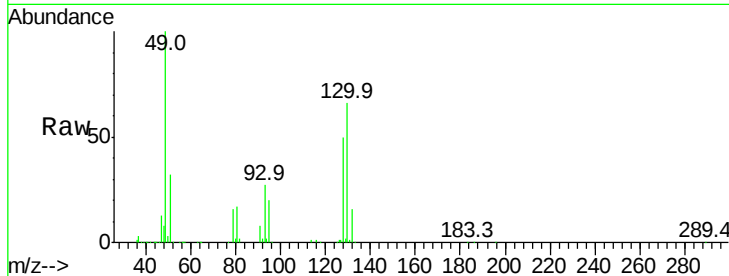
Tgt Ion: 49 Resp: 1236433

Ion Ratio Lower Upper

49 100

128 53.3 26.7 80.0

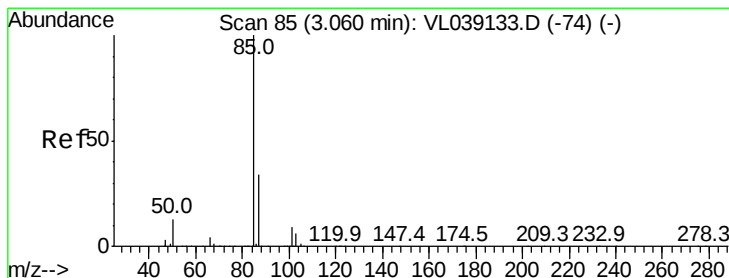
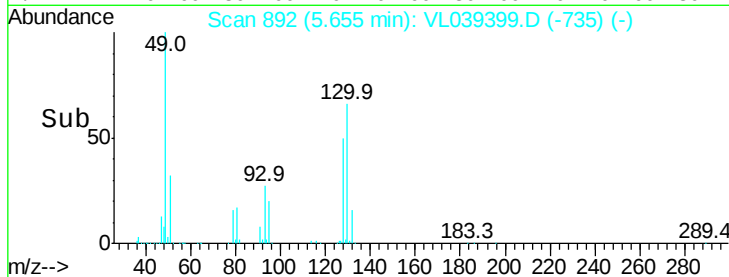
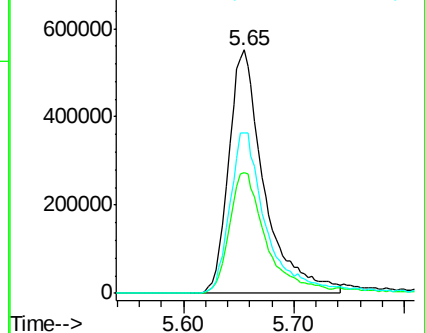
130 70.5 34.3 102.8



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



#2

Dichlorodifluoromethane

Concen: 0.04 ppbv

RT: 3.05 min Scan# 81

Delta R.T. 0.01 min

Lab File: VL039399.D

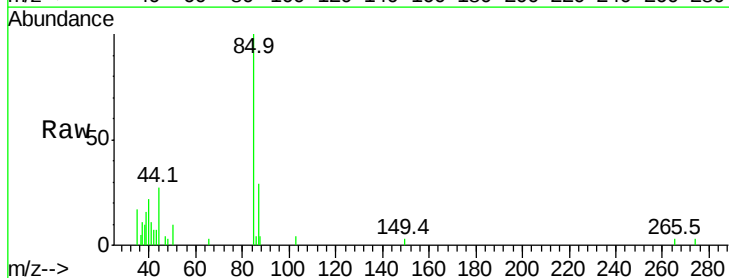
Acq: 29 Jun 2022 15:03

Tgt Ion: 85 Resp: 9439

Ion Ratio Lower Upper

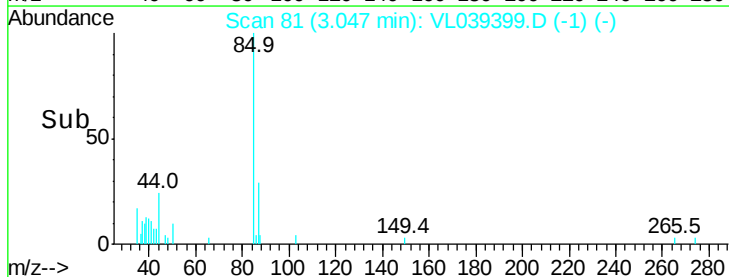
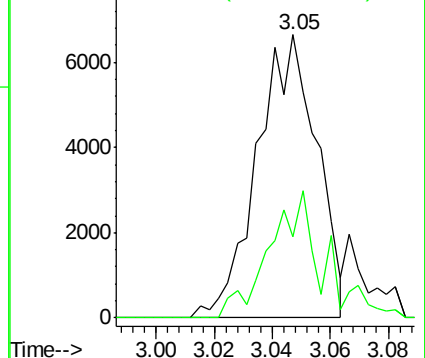
85 100

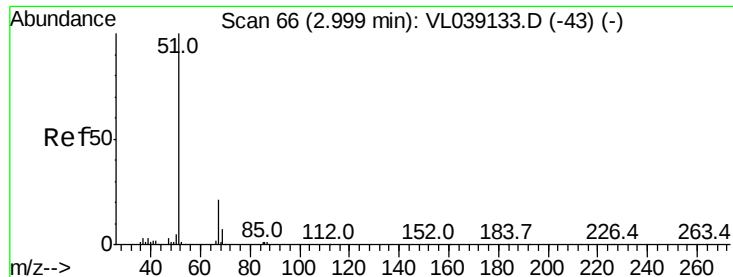
87 32.6 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

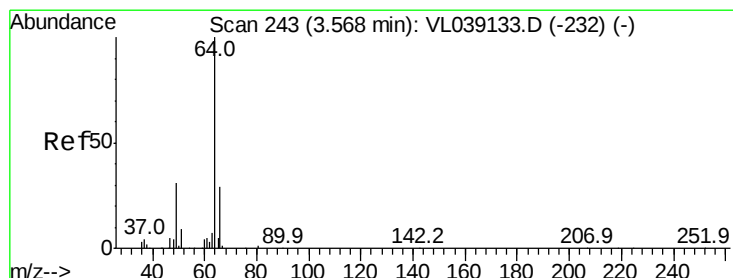
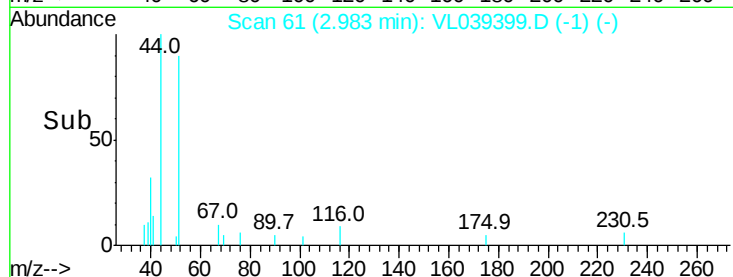
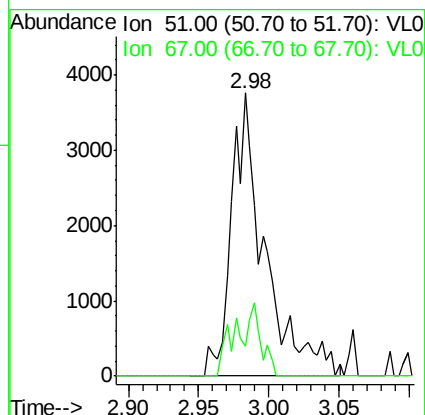
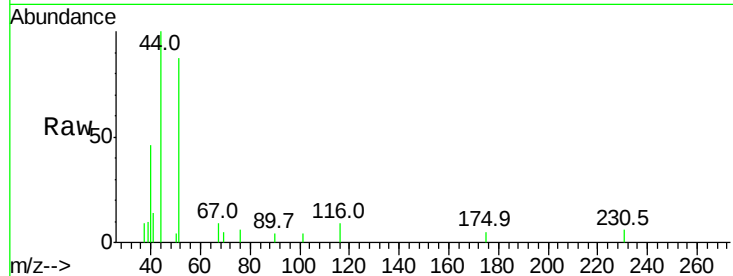
Ion 87.00 (86.70 to 87.70): VL0





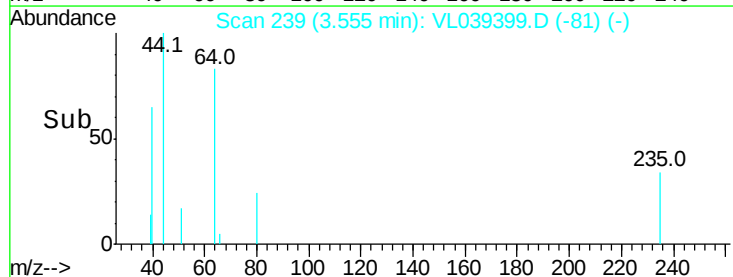
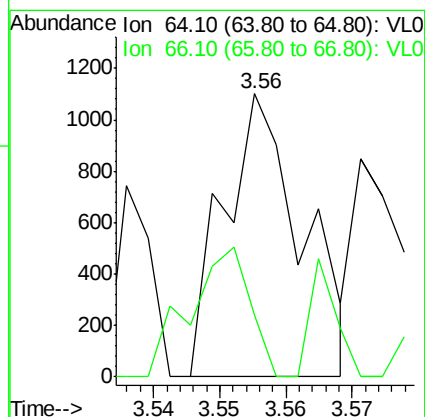
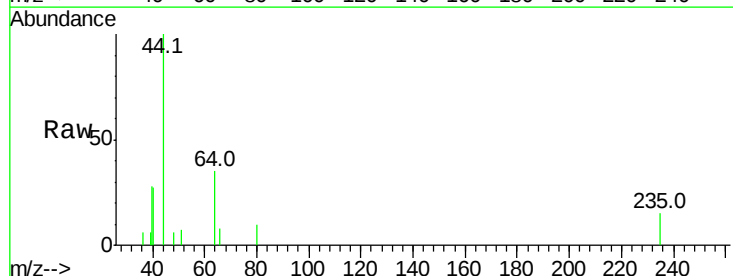
#3
Chlorodifluoromethane
Concen: 0.04 ppbv
RT: 2.98
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 29 Jun 2022 15:03

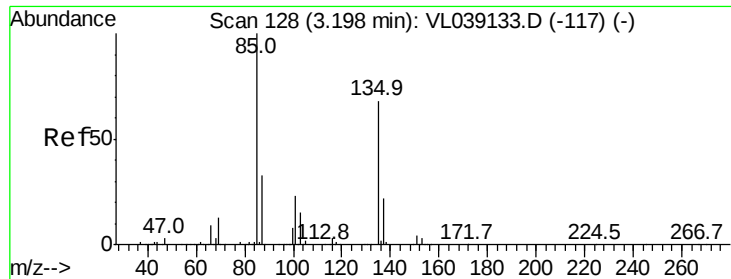
Tgt Ion: 51 Resp: 6221
Ion Ratio Lower Upper
51 100
67 19.4 15.7 23.5



#7
Chloroethane
Concen: 0.03 ppbv
RT: 3.56 min Scan# 239
Delta R.T. 0.01 min
Lab File: VL039399.D
Acq: 29 Jun 2022 15:03

Tgt Ion: 64 Resp: 907
Ion Ratio Lower Upper
64 100
66 22.0 24.7 37.1#





#8

Dichlorotetrafluoroethane

Concen: 0.04 ppbv

RT: 3.18 Instrument: MSVOA_1

Delta R.T. ClientSampleId:

Lab File: VSTDIC0.03

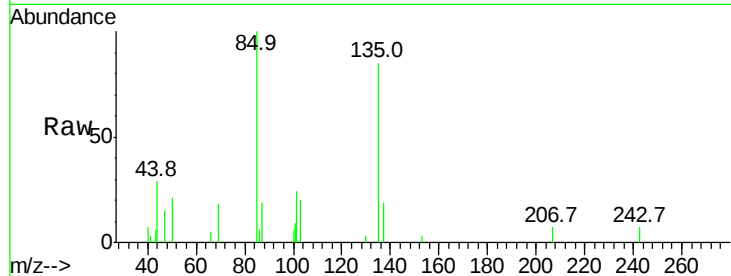
Acq: 29 Jun 2022 15:03

Tgt Ion: 85 Resp: 7454

Ion Ratio Lower Upper

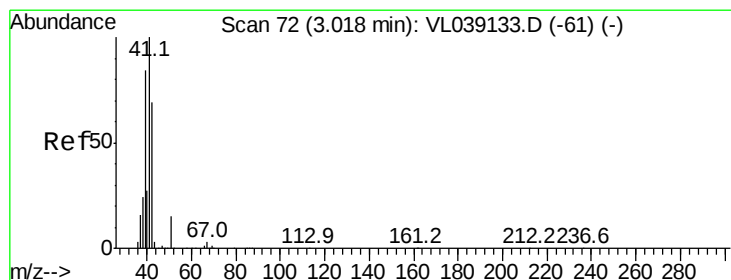
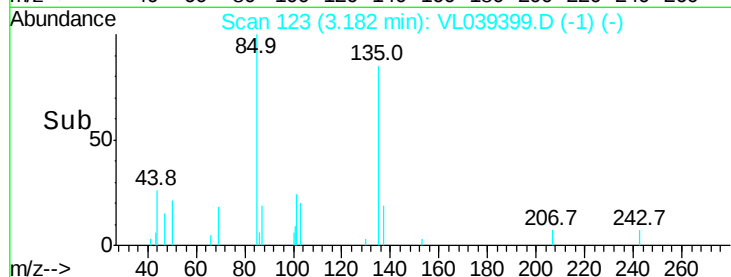
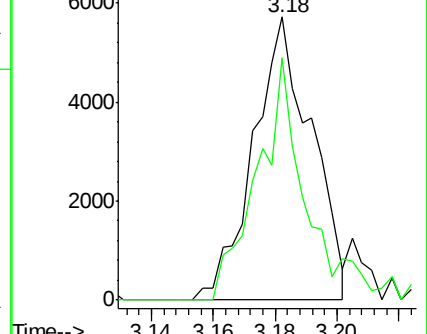
85 100

135 75.7 59.0 88.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): VL0



#9

Propene

Concen: 0.09 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.01 min

Lab File: VL039399.D

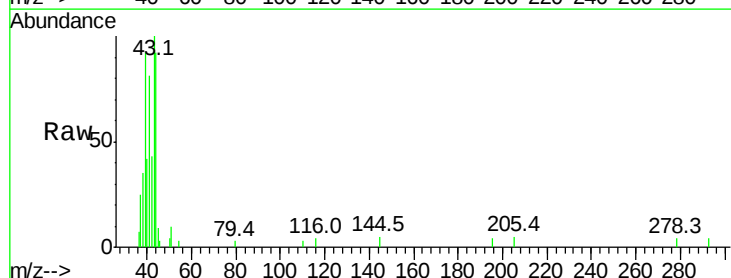
Acq: 29 Jun 2022 15:03

Tgt Ion: 41 Resp: 6204

Ion Ratio Lower Upper

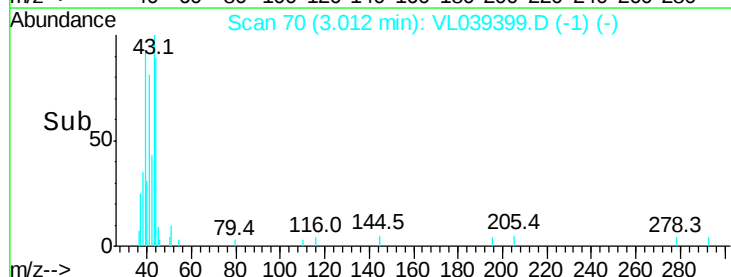
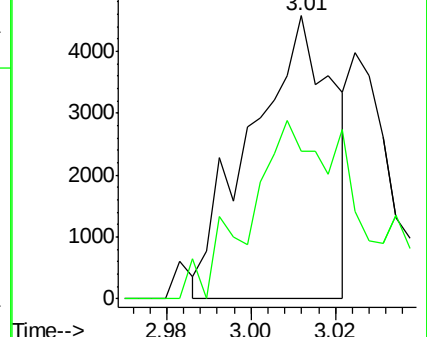
41 100

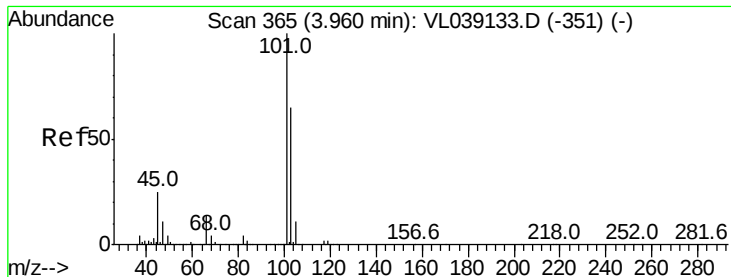
42 95.1 55.2 82.8#



Abundance Ion 41.10 (40.80 to 41.80): VL0

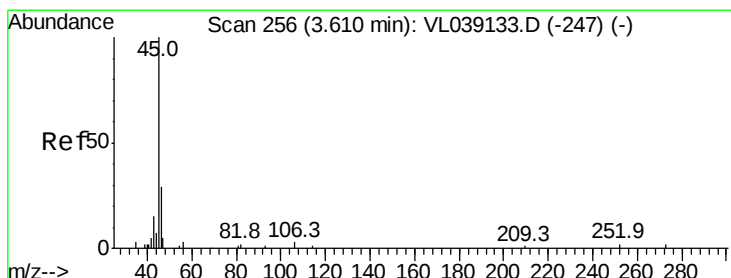
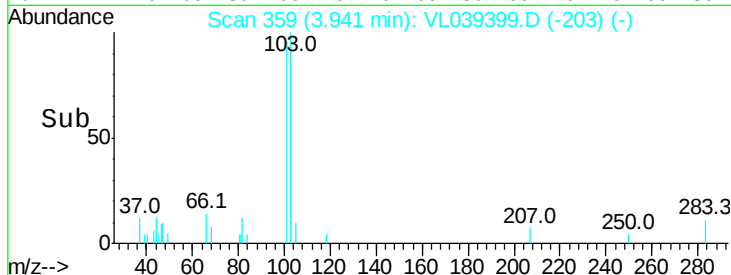
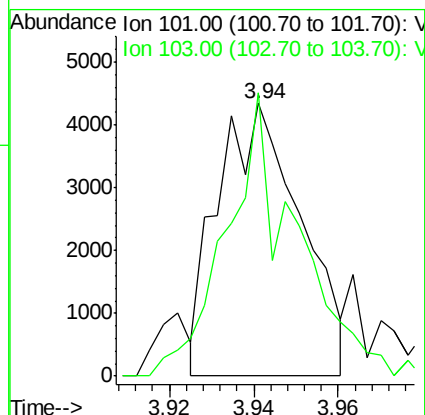
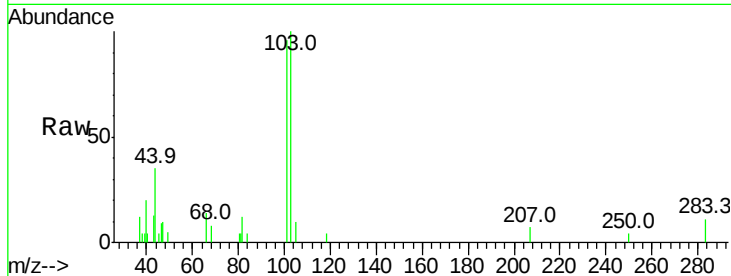
Ion 42.10 (41.80 to 42.80): VL0





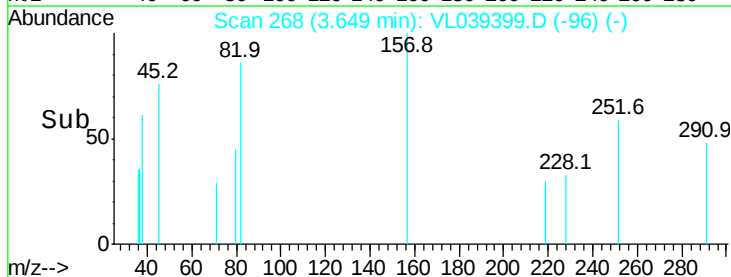
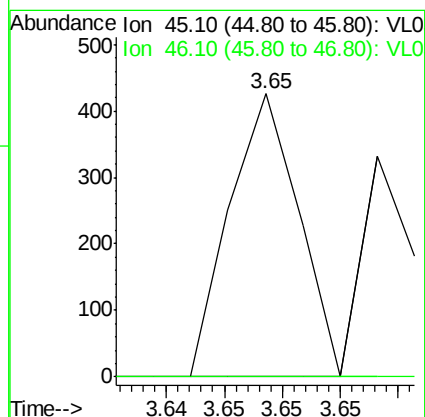
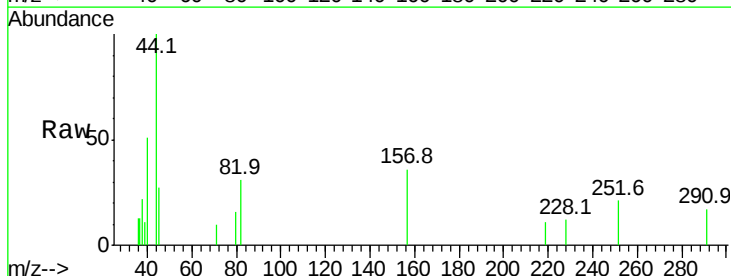
#11
 Trichlorofluoromethane
 Concen: 0.03 ppbv
 RT: 3.94 Instrument: MSVOA_1
 Delta R.T. ClientSampleId:
 Lab File: VSTDIC0.03
 Acq: 29 Jun 2022 15:03

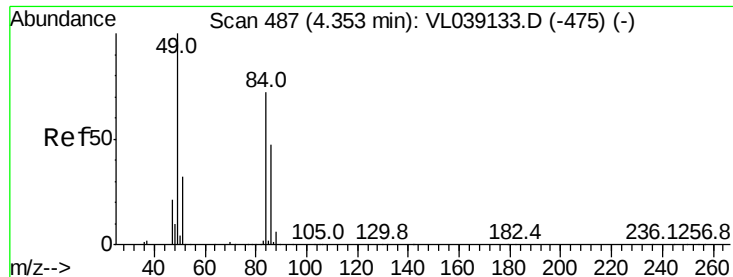
Tgt Ion: 101 Resp: 5936
 Ion Ratio Lower Upper
 101 100
 103 102.5 51.8 77.8#



#13
 Ethanol
 Concen: 0.05 ppbv
 RT: 3.65 min Scan# 268
 Delta R.T. 0.05 min
 Lab File: VL039399.D
 Acq: 29 Jun 2022 15:03

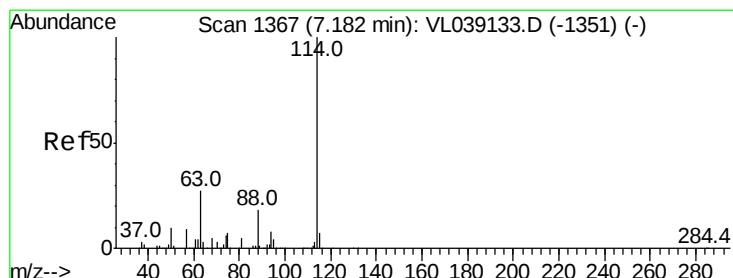
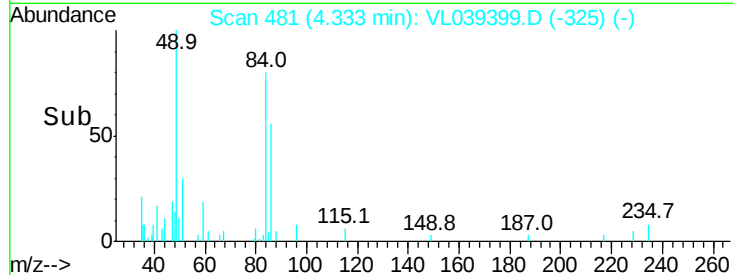
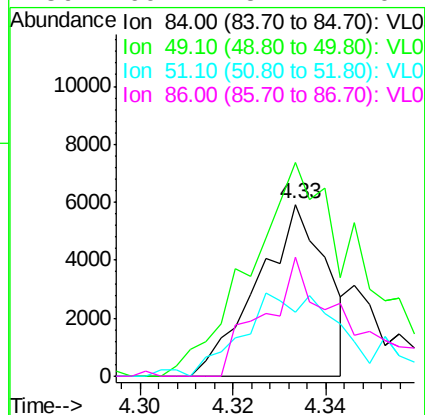
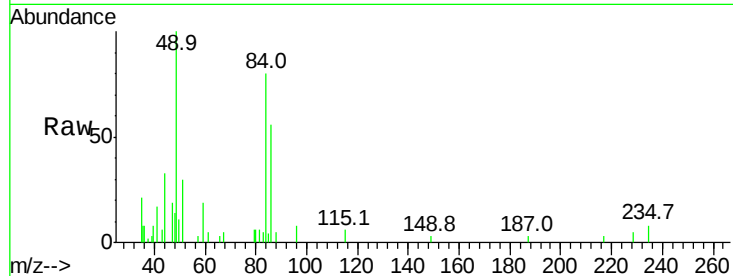
Tgt Ion: 45 Resp: 174
 Ion Ratio Lower Upper
 45 100
 46 0.0 22.8 91.2#





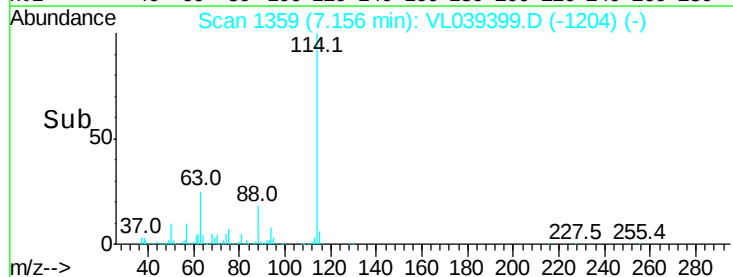
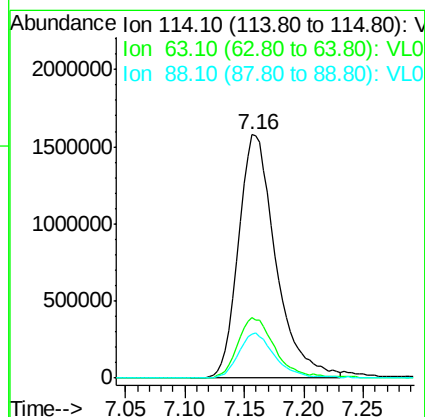
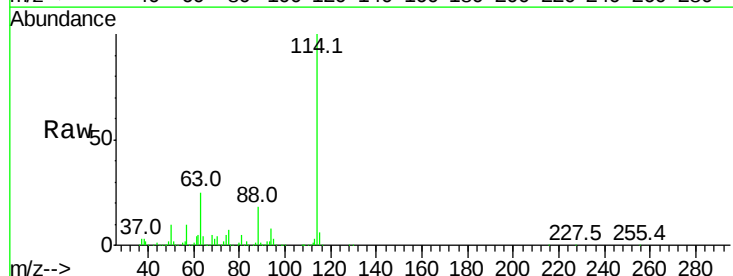
#20
Methylene Chloride
Concen: 0.11 ppbv
RT: 4.33
Delta R.T. MSVOA_L
Lab File: ClientSampled :
Acq: 29 Jun 2022 15:03

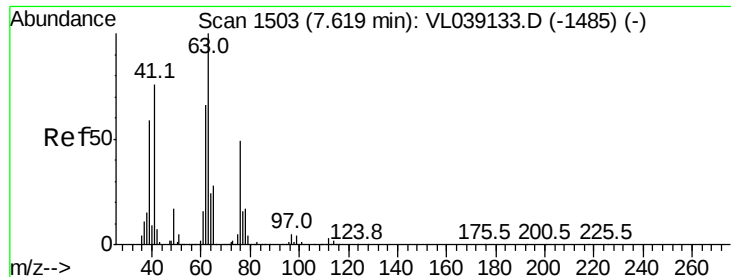
Tgt Ion:	84	Resp:	6134
Ion	Ratio	Lower	Upper
84	100		
49	108.6	123.1	184.7#
51	37.4	34.4	51.6
86	69.1	51.1	76.7



#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.00 min
Lab File: VL039399.D
Acq: 29 Jun 2022 15:03

Tgt Ion:	114	Resp:	3438040
Ion	Ratio	Lower	Upper
114	100		
63	25.5	20.2	30.4
88	18.4	14.5	21.7





#39

1,2-Dichloropropane

Concen: 0.13 ppbv

RT: 7.21 Instrument:

Delta R.T. MSVOA_1

Lab File: ClientSampleId:

Acq: 29 Jun 2022 15:03 VSTDIC0.03

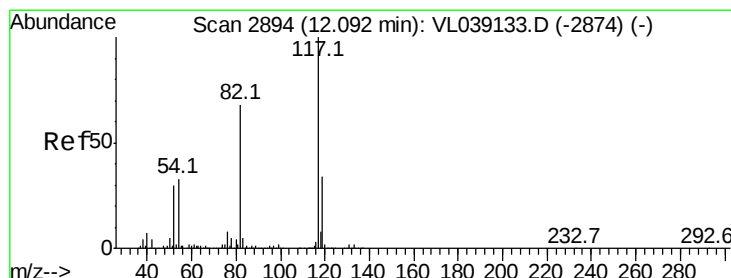
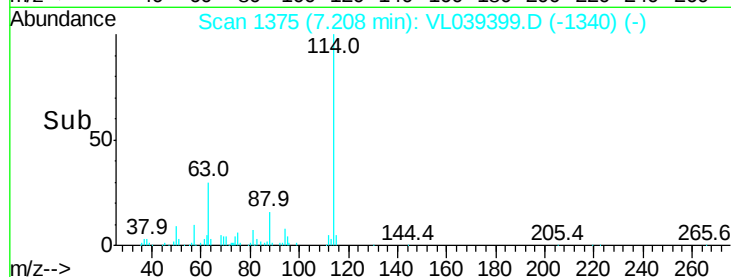
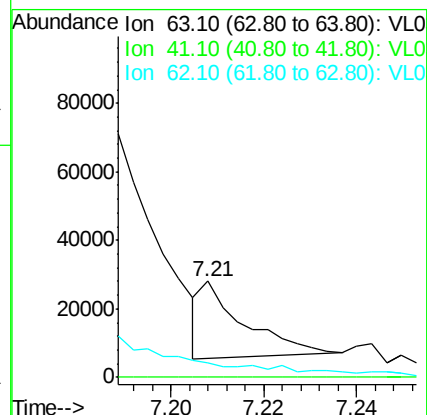
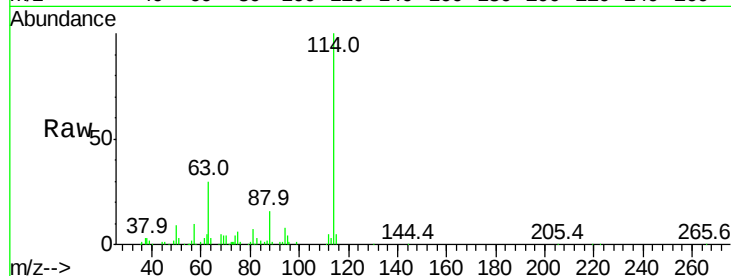
Tgt Ion: 63 Resp: 14133

Ion Ratio Lower Upper

63 100

41 0.0 59.6 89.4#

62 12.6 51.4 77.0#



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. -0.00 min

Lab File: VL039399.D

Acq: 29 Jun 2022 15:03

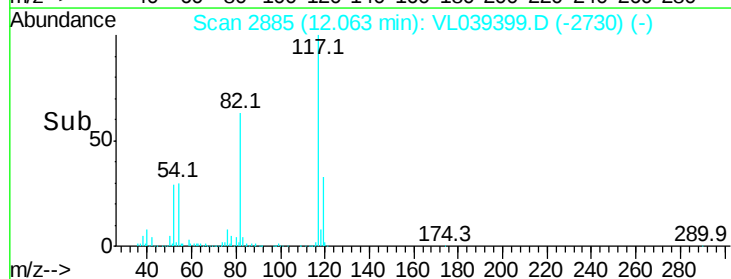
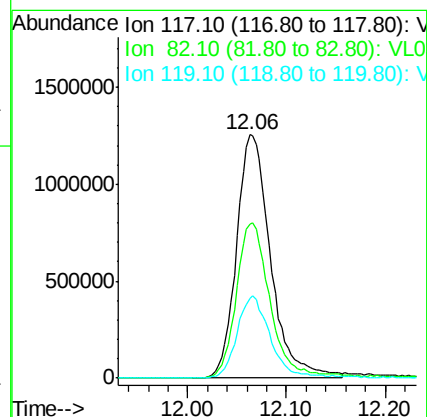
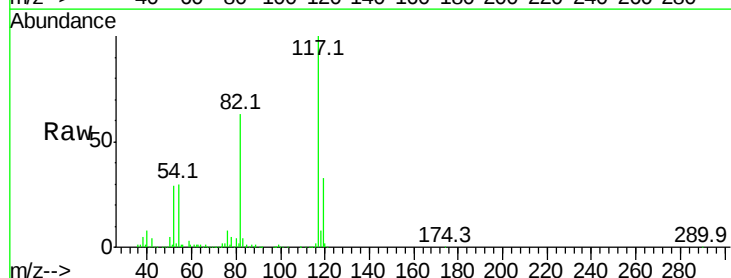
Tgt Ion: 117 Resp: 3022899

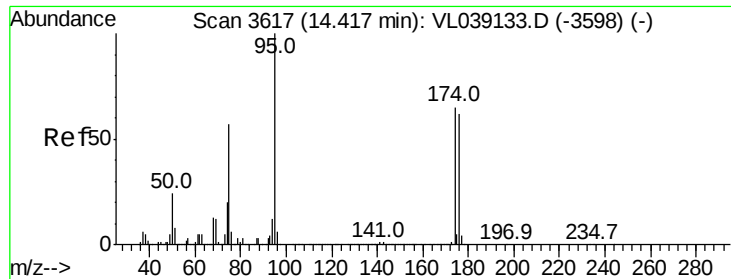
Ion Ratio Lower Upper

117 100

82 64.8 50.8 76.2

119 34.2 24.1 36.1





#68

1-Bromo-4-Fluorobenzene

Concen: 9.02 ppbv

RT: 14.39 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId :

VSTDIC0.03

Acq: 29 Jun 2022 15:05

Tgt Ion: 95 Resp: 2253272

Ion Ratio Lower Upper

95 100

174 71.4 55.9 83.9

175 5.1 4.2 6.4

