

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091721\
 Data File : VL037646.D
 Acq On : 17 Sep 2021 18:01
 Operator : SY/AP
 Sample : M3801-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Sep 18 06:18:56 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Sep 16 13:42:46 2021
 QLast Update : Thu Sep 16 13:42:46 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1386503	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	3999212	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.07	117	3370926	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2363295	9.70	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.00%

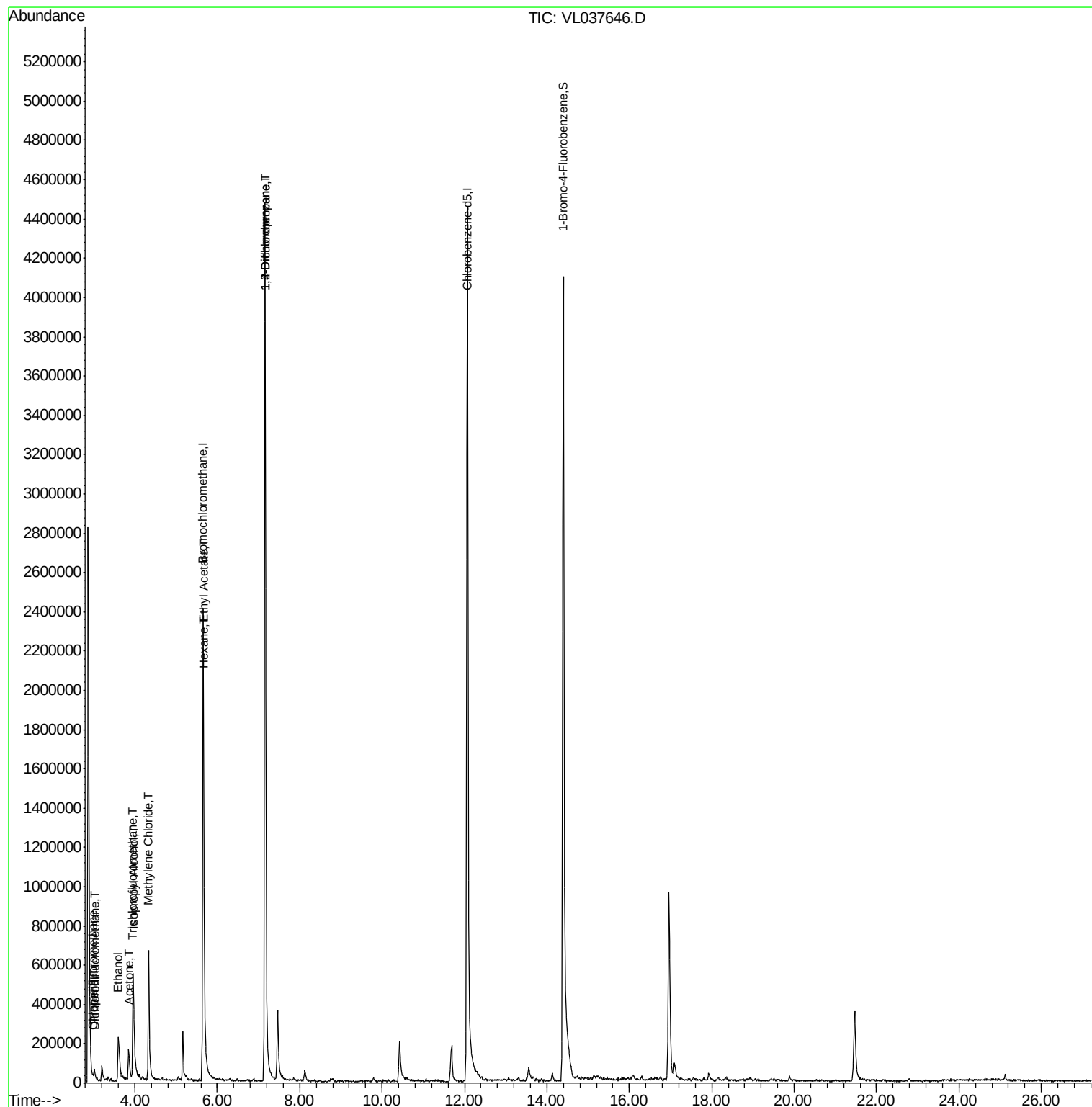
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	8091	0.032	ppbv	95
3) Chlorodifluoromethane	2.98	51	29824	0.114	ppbv #	90
9) Propene	3.01	41	12885	0.140	ppbv	88
11) Trichlorofluoromethane	3.94	101	19480	0.097	ppbv	87
13) Ethanol	3.60	45	243043	26.935	ppbv	80
15) Acetone	3.85	43	181465	1.260	ppbv #	66
19) Isopropyl Alcohol	3.96	45	823722	10.509	ppbv	98
20) Methylene Chloride	4.33	84	273147	3.972	ppbv	98
25) Ethyl Acetate	5.67	43	68289	0.196	ppbv #	89
26) Hexane	5.67	57	83313	0.503	ppbv #	52
39) 1,2-Dichloropropane	7.16	63	927214	7.259	ppbv #	26

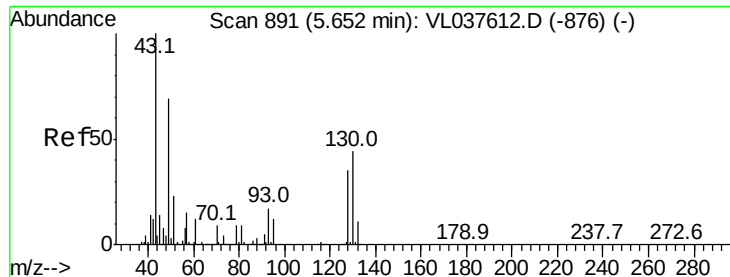
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL091621AIR.M
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QLast Update : Thu Sep 16 13:42:46 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. 0.00 min

Lab File: VL037646.D

Acq: 17 Sep 2021 18:01

Instrument :

MSVOA_L

ClientSampleId :

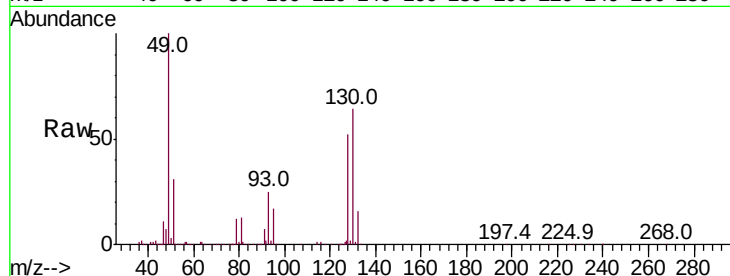
Tot Ion: 49 Resp: 1386503

Ion Ratio Lower Upper

49 100

128 53.8 27.9 83.6

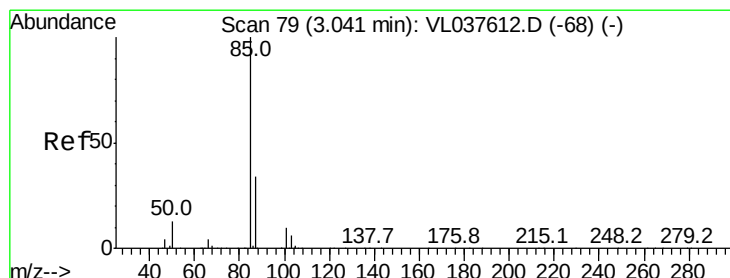
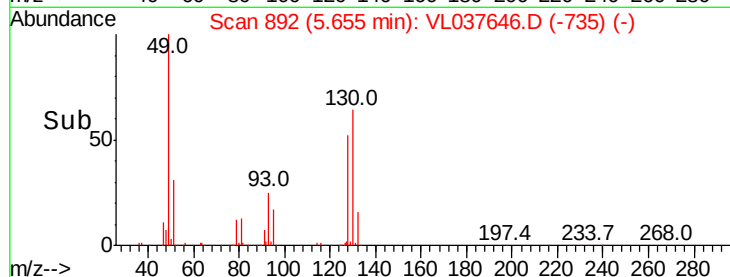
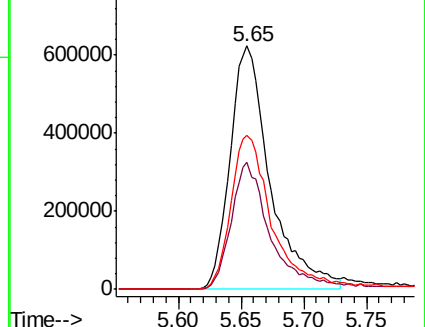
130 67.7 33.9 101.7



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: 0.032 ppbv

RT: 3.04 min Scan# 79

Delta R.T. 0.00 min

Lab File: VL037646.D

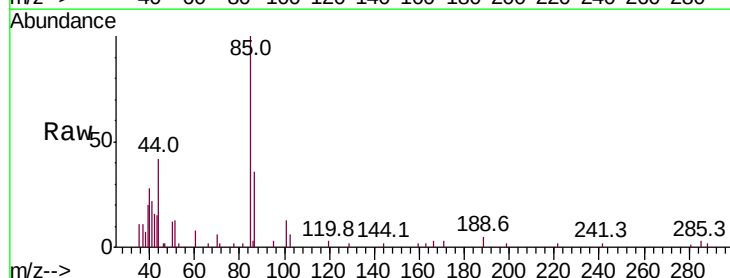
Acq: 17 Sep 2021 18:01

Tgt Ion: 85 Resp: 8091

Ion Ratio Lower Upper

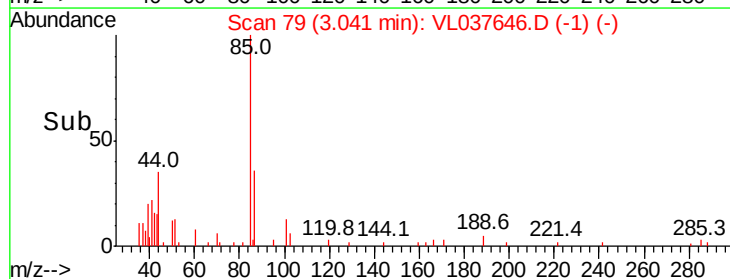
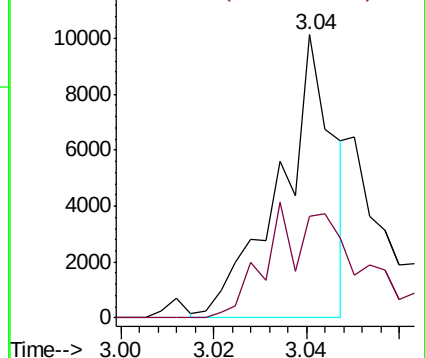
85 100

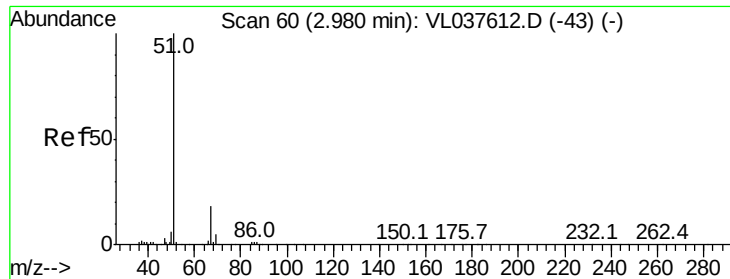
87 36.6 26.8 40.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

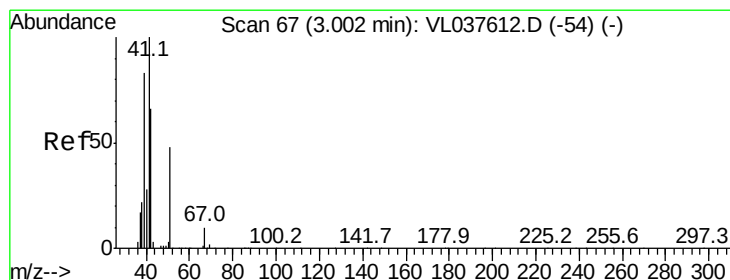
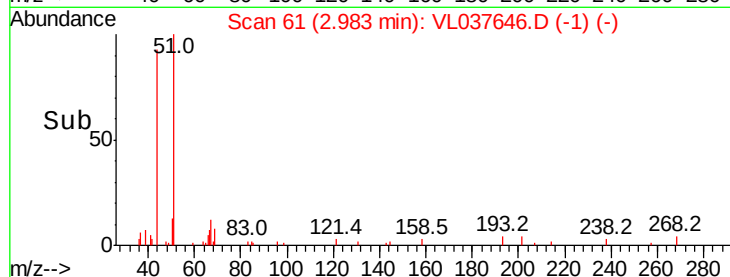
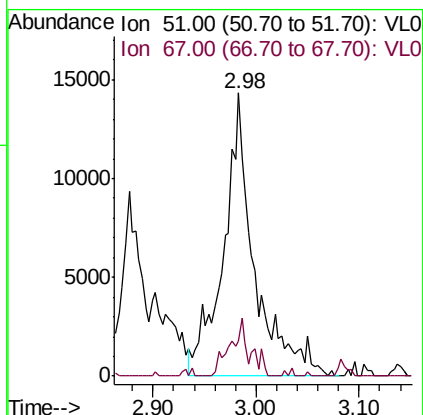
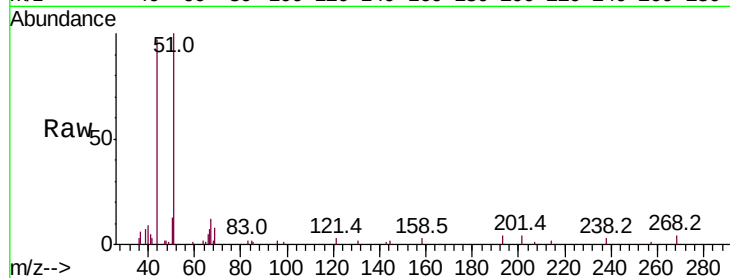




#3
Chlorodifluoromethane
Concen: 0.114 ppbv
RT: 2.98 min Scan# 61
Delta R.T. 0.00 min
Lab File: VL037646.D
Acq: 17 Sep 2021 18:01

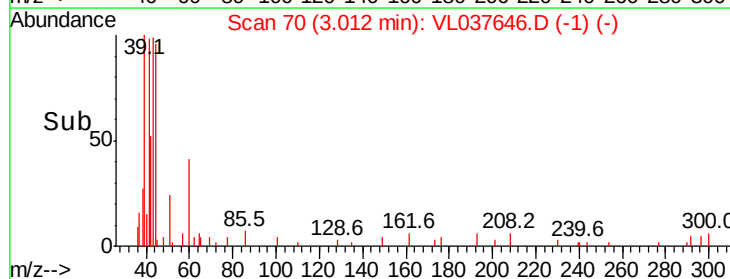
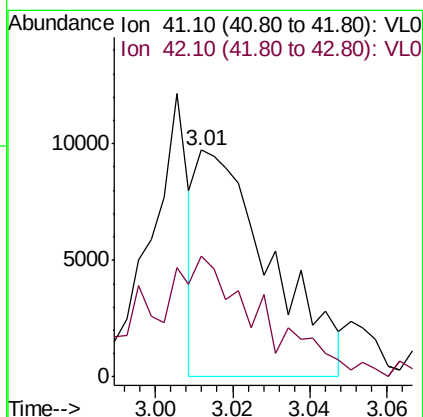
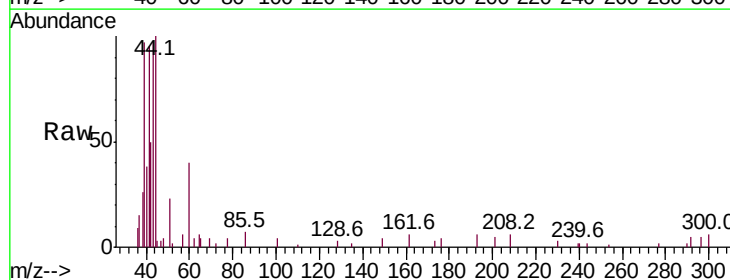
Instrument :
MSVOA_L
ClientSampleId :

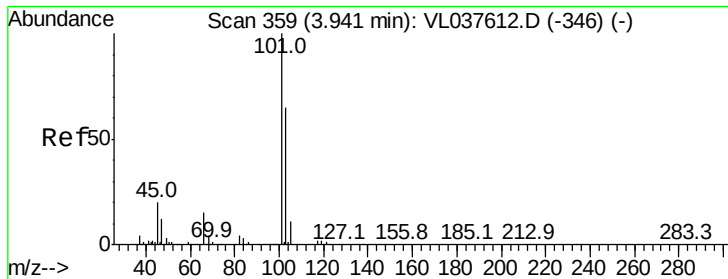
Tot Ion: 51 Resp: 29824
Ion Ratio Lower Upper
51 100
67 13.0 14.0 21.0#



#9
Propene
Concen: 0.140 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.01 min
Lab File: VL037646.D
Acq: 17 Sep 2021 18:01

Tgt Ion: 41 Resp: 12885
Ion Ratio Lower Upper
41 100
42 81.1 57.2 85.8

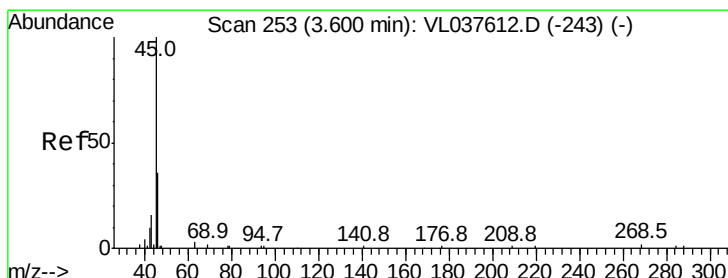
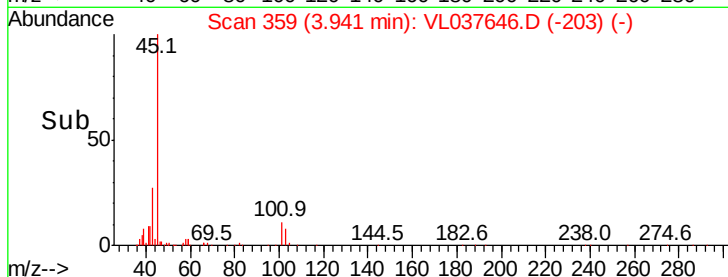
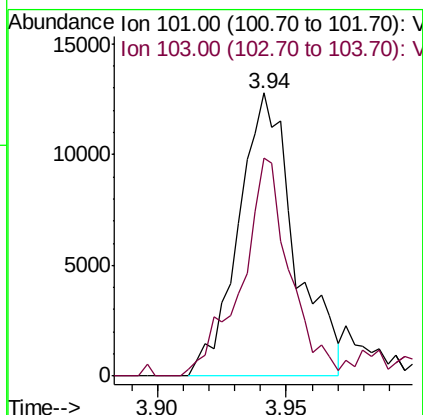
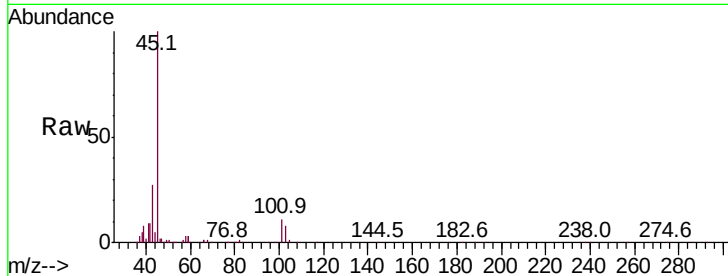




#11
 Trichlorofluoromethane
 Concen: 0.097 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. 0.00 min
 Lab File: VL037646.D
 Acq: 17 Sep 2021 18:01

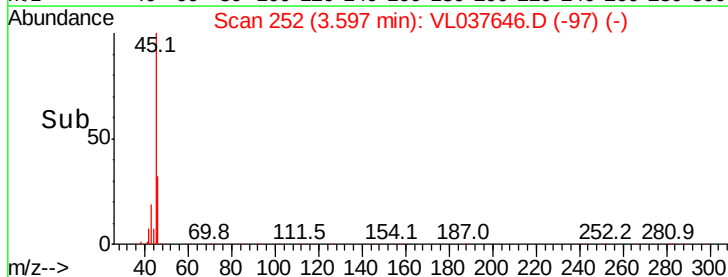
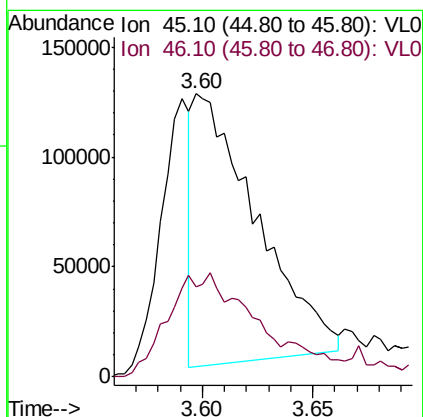
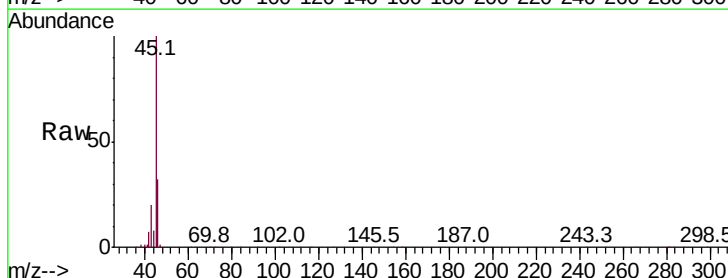
Instrument :
 MSVOA_L
 ClientSampleId :

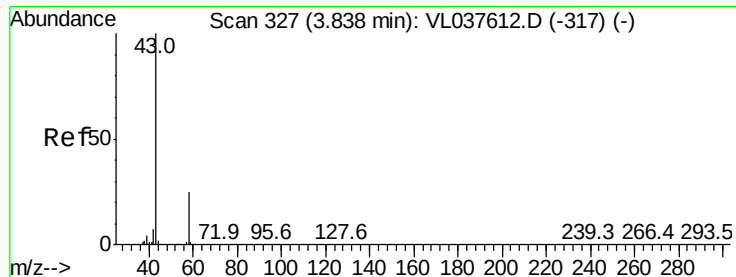
Tot Ion:101 Resp: 19480
 Ion Ratio Lower Upper
 101 100
 103 75.0 51.9 77.9



#13
 Ethanol
 Concen: 26.935 ppbv
 RT: 3.60 min Scan# 252
 Delta R.T. -0.00 min
 Lab File: VL037646.D
 Acq: 17 Sep 2021 18:01

Tgt Ion: 45 Resp: 243043
 Ion Ratio Lower Upper
 45 100
 46 55.8 17.2 68.8





#15

Acetone

Concen: 1.260 ppbv

RT: 3.85 min Scan# 330

Delta R.T. 0.01 min

Lab File: VL037646.D

Acq: 17 Sep 2021 18:01

Instrument :

MSVOA_L

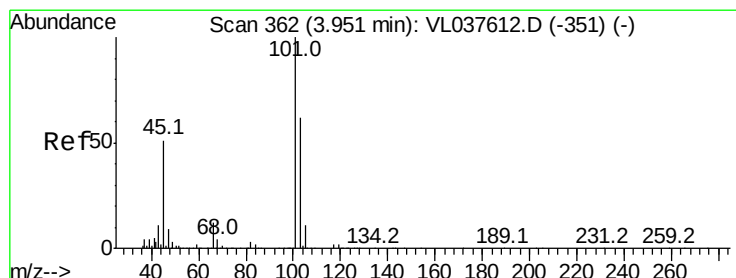
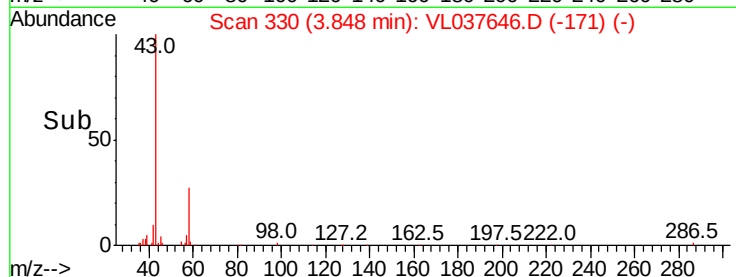
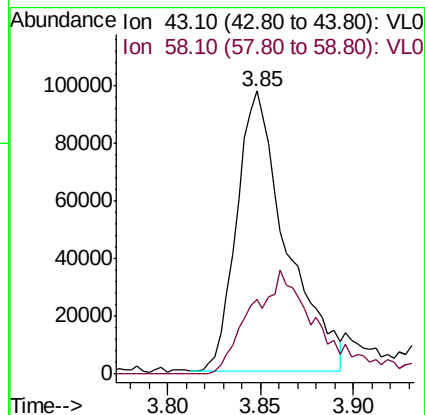
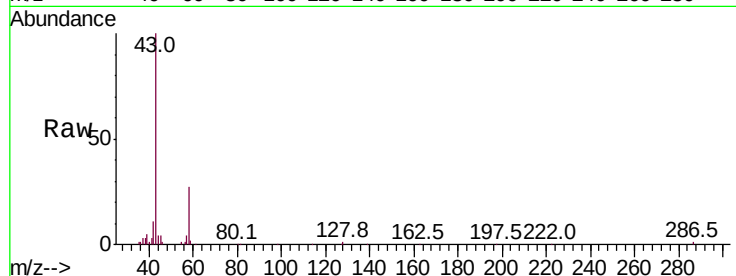
ClientSampleId :

Tot Ion: 43 Resp: 181465

Ion Ratio Lower Upper

43 100

58 49.9 24.9 37.3#



#19

Isopropyl Alcohol

Concen: 10.509 ppbv

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL037646.D

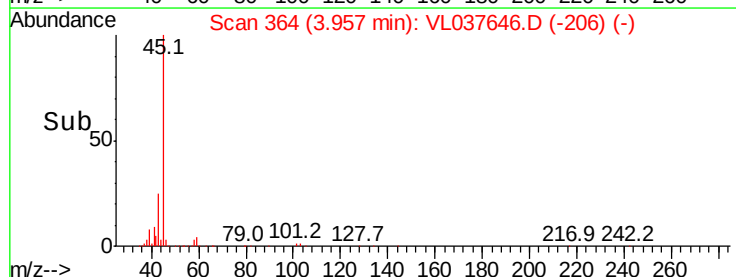
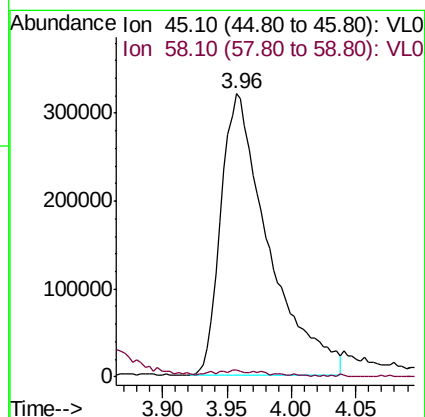
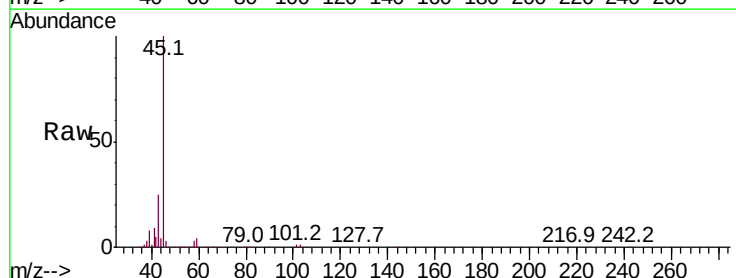
Acq: 17 Sep 2021 18:01

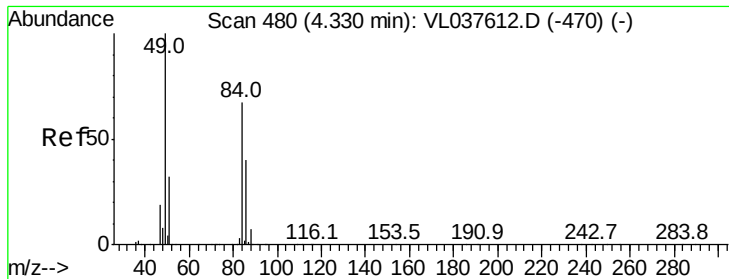
Tgt Ion: 45 Resp: 823722

Ion Ratio Lower Upper

45 100

58 2.9 2.9 4.3

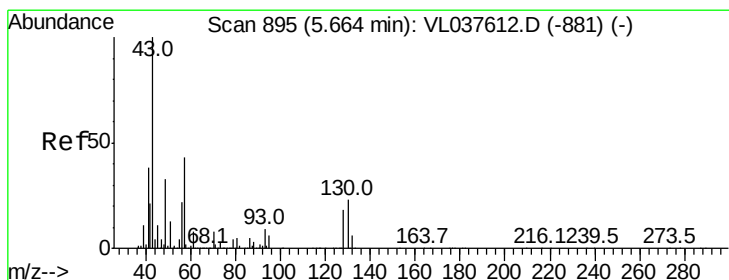
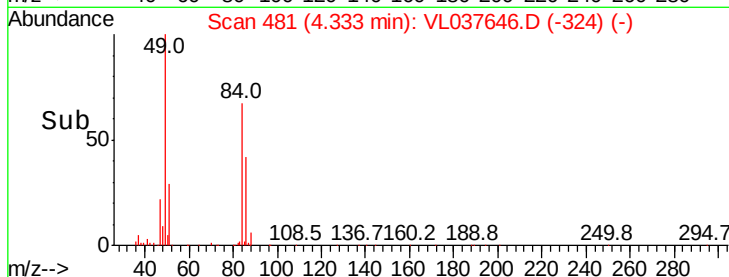
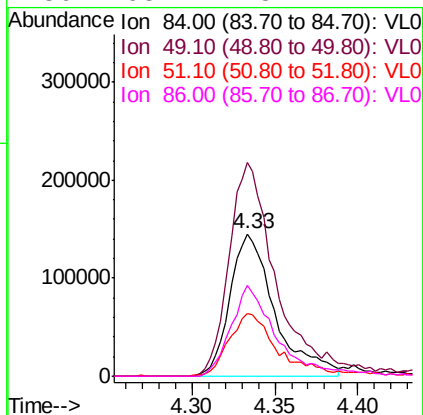
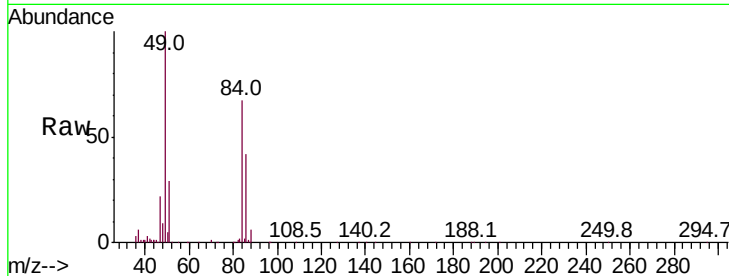




#20
Methvlene Chloride
Concen: 3.972 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.00 min
Lab File: VL037646.D
Acq: 17 Sep 2021 18:01

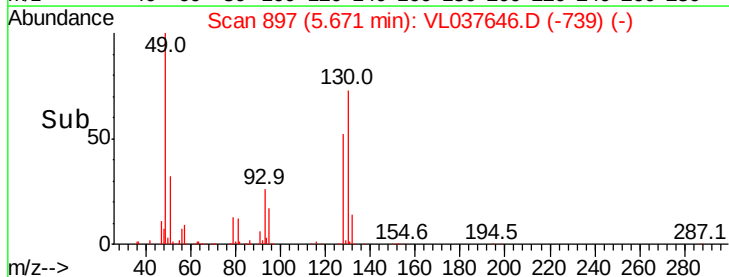
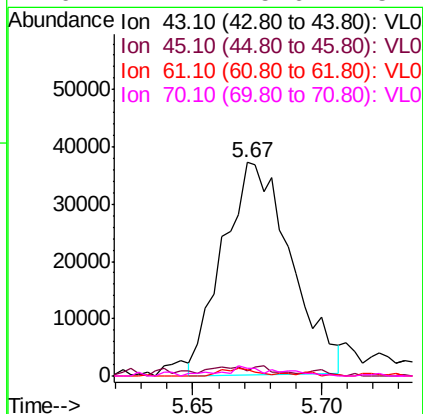
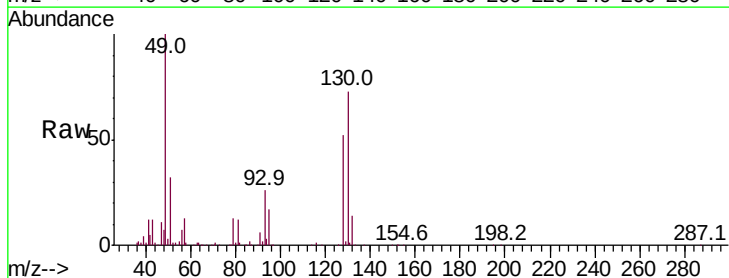
Instrument :
MSVOA_L
ClientSampleId :

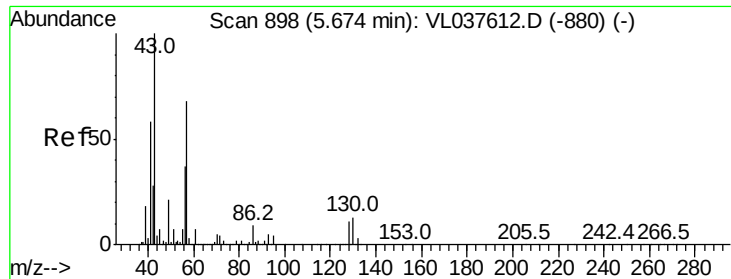
Tot Ion:	84	Resp:	273147
Ion	Ratio	Lower	Upper
84	100		
49	149.6	120.0	180.0
51	43.7	38.0	57.0
86	63.1	48.2	72.2



#25
Ethyl Acetate
Concen: 0.196 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL037646.D
Acq: 17 Sep 2021 18:01

Tgt Ion:	43	Resp:	68289
Ion	Ratio	Lower	Upper
43	100		
45	6.9	8.0	12.0#
61	3.1	7.5	11.3#
70	4.4	5.6	8.4#

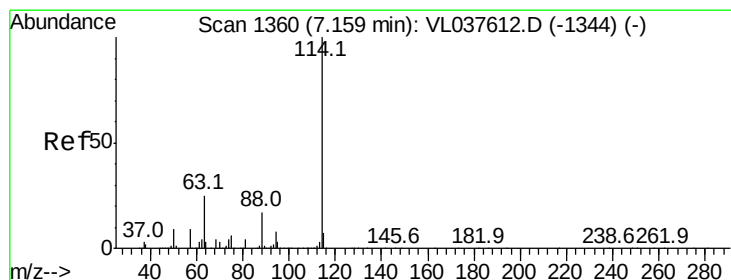
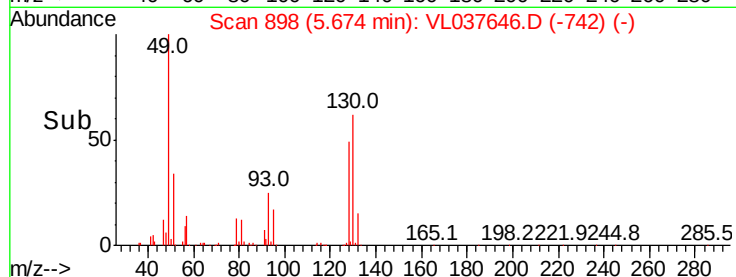
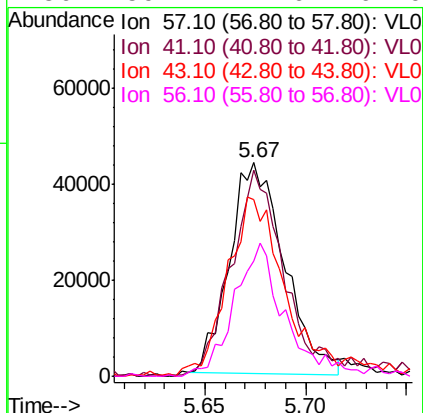
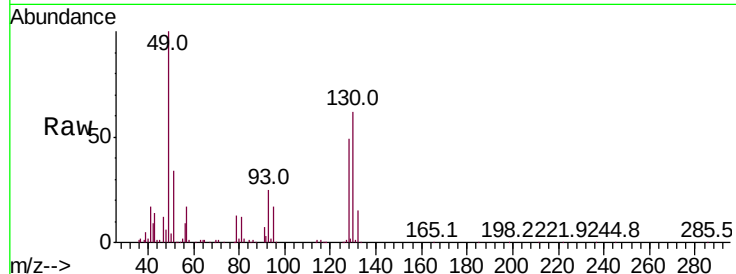




#26
Hexane
Concen: 0.503 ppbv
RT: 5.67 min Scan# 898
Delta R.T. 0.00 min
Lab File: VL037646.D
Acq: 17 Sep 2021 18:01

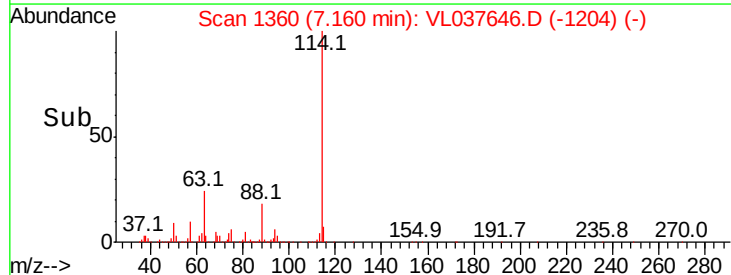
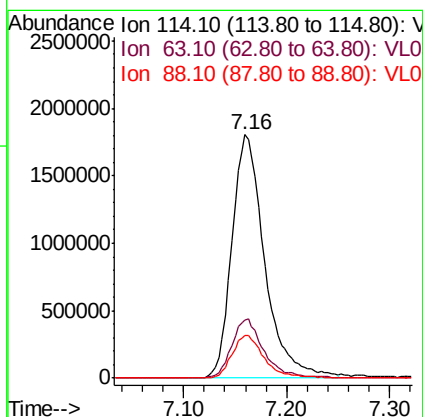
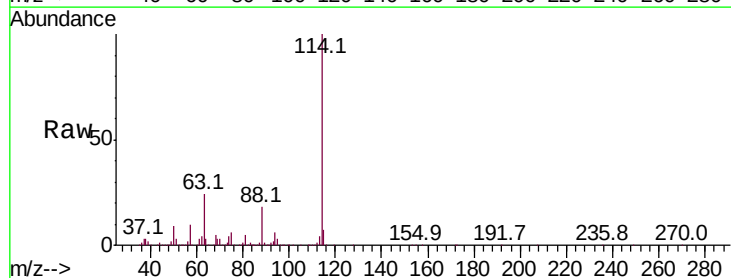
Instrument :
MSVOA_L
ClientSampled :

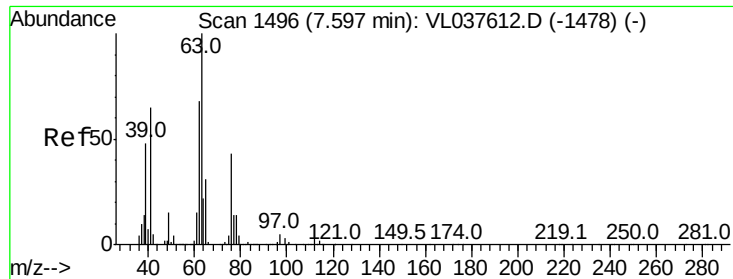
Tot Ion: 57 Resp: 83313
Ion Ratio Lower Upper
57 100
41 100.6 70.9 106.3
43 98.4 170.4 255.6#
56 59.7 42.6 64.0



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.00 min
Lab File: VL037646.D
Acq: 17 Sep 2021 18:01

Tgt Ion: 114 Resp: 3999212
Ion Ratio Lower Upper
114 100
63 24.0 19.6 29.4
88 17.7 14.2 21.4

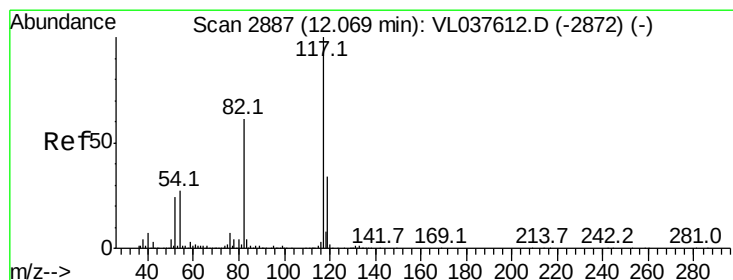
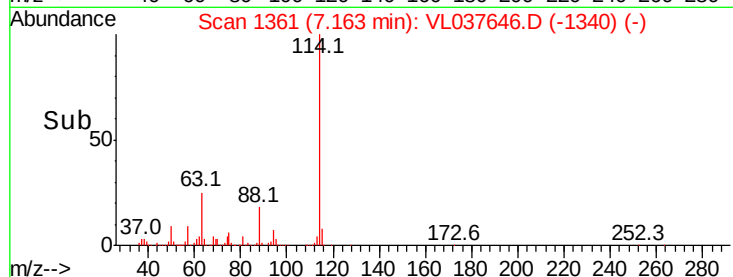
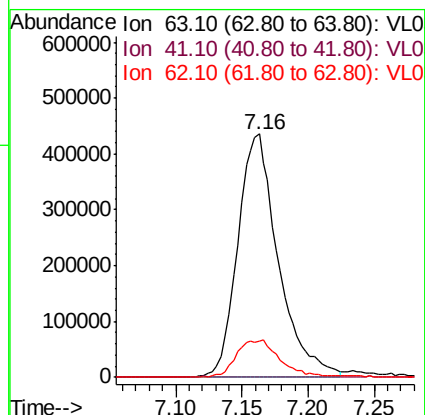
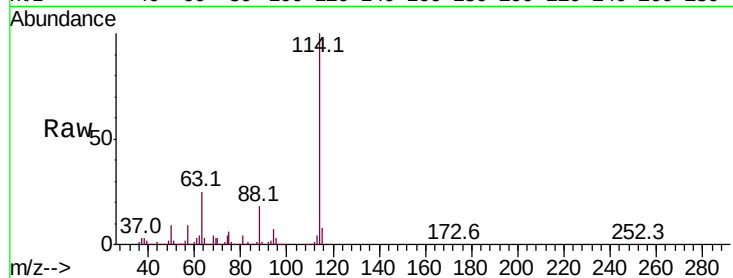




#39
 1,2-Dichloropropane
 Concen: 7.259 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.43 min
 Lab File: VL037646.D
 Acq: 17 Sep 2021 18:01

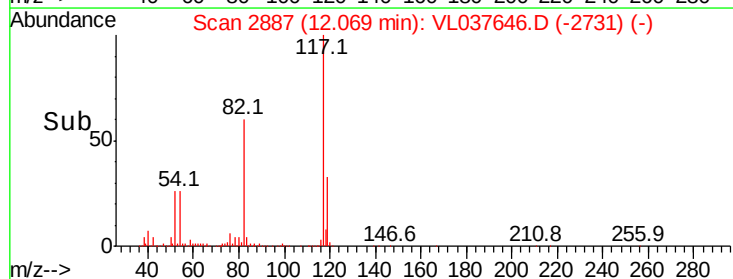
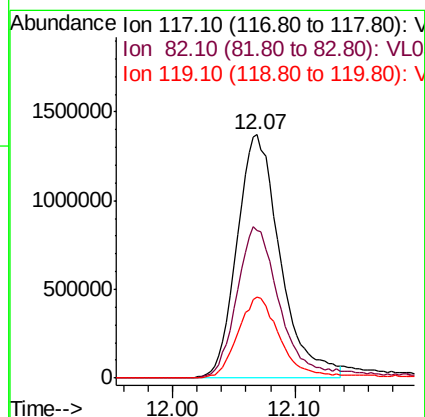
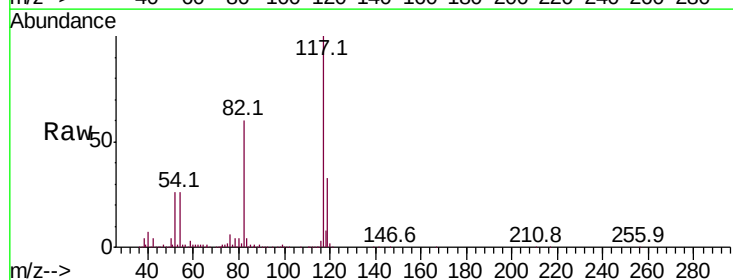
Instrument :
 MSVOA_L
 ClientSampleId :

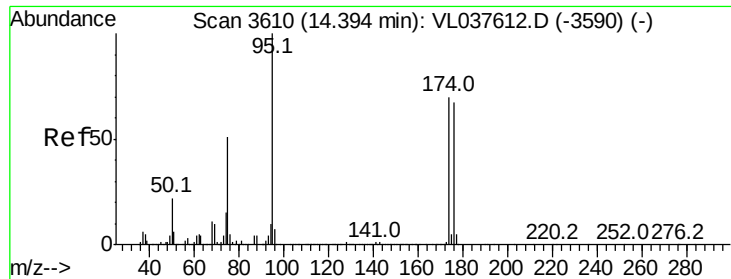
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	51.6	77.4#
62	14.8	54.6	81.8#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.07 min Scan# 2887
 Delta R.T. 0.00 min
 Lab File: VL037646.D
 Acq: 17 Sep 2021 18:01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	65.2	50.6	75.8
119	34.7	26.2	39.2





#68

1-Bromo-4-Fluorobenzene

Concen: 9.701 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. 0.00 min

Lab File: VL037646.D

Acq: 17 Sep 2021 18:01

Instrument :

MSVOA_L

ClientSampleId :

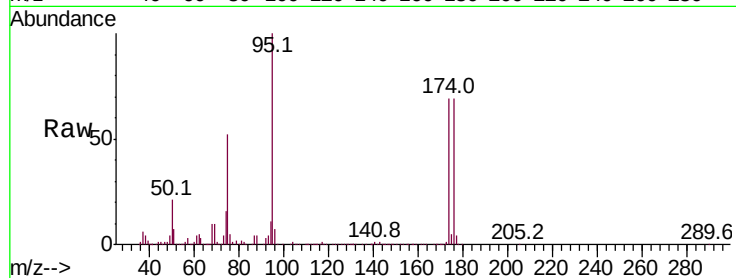
Tot Ion: 95 Resp: 2363295

Ion Ratio Lower Upper

95 100

174 76.6 56.3 84.5

175 5.8 4.4 6.6



Abundance Ion 95.10 (94.80 to 95.80): VL0

Ion 174.00 (173.70 to 174.70): V

Ion 175.00 (174.70 to 175.70): V

