

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL060121\
 Data File : VL037093.D
 Acq On : 2 Jun 2021 6:11
 Operator : SY/AP
 Sample : M2548-07DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jun 02 06:50:47 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051821AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue May 18 12:00:15 2021
 QLast Update : Tue May 18 12:00:15 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1360704	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.16	114	4186519	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.06	117	3764776	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2693471	9.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.20%

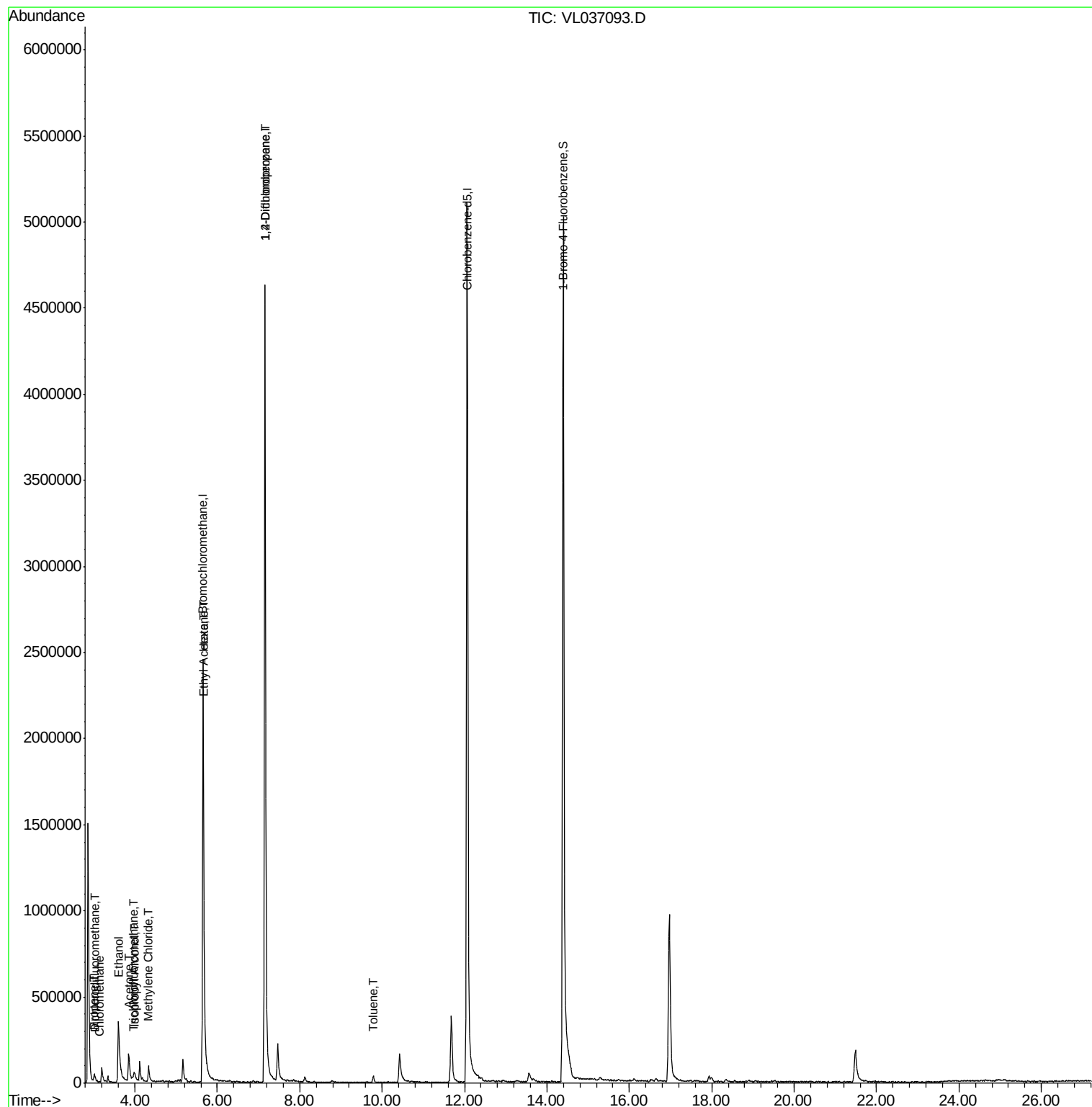
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	17794	0.077	ppbv	94
4) Chloromethane	3.13	50	4052	0.048	ppbv #	81
9) Propene	3.01	41	11749	0.132	ppbv	85
11) Trichlorofluoromethane	3.94	101	7930	0.037	ppbv #	71
13) Ethanol	3.60	45	371982	31.233	ppbv #	35
15) Acetone	3.85	43	168642	1.210	ppbv #	65
19) Isopropyl Alcohol	3.98	45	45817	0.612	ppbv #	58
20) Methylene Chloride	4.33	84	32316	0.433	ppbv	92
25) Ethyl Acetate	5.67	43	26652	0.080	ppbv #	82
26) Hexane	5.67	57	32730	0.191	ppbv #	49
39) 1,2-Dichloropropane	7.16	63	997734	7.182	ppbv #	26
53) Toluene	9.78	91	16245	0.038	ppbv #	44

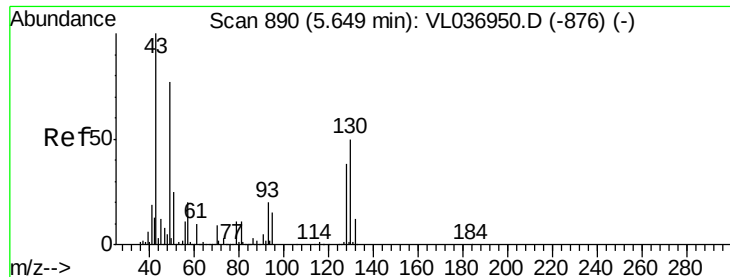
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue May 18 12:00:15 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. 0.00 min

Lab File: VL037093.D

Acq: 2 Jun 2021 6:11

Instrument :
MSVOA_L
ClientSampleId :

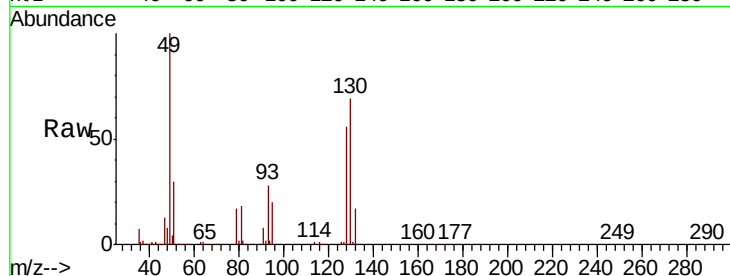
Tot Ion: 49 Resp: 1360704

Ion Ratio Lower Upper

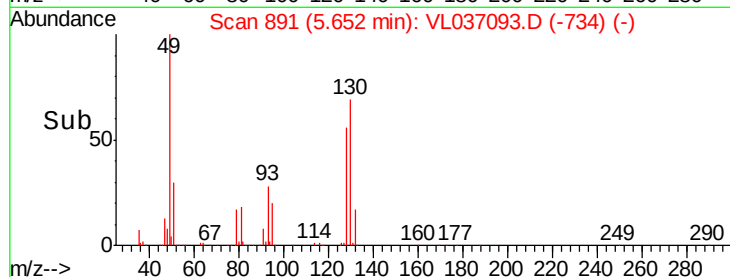
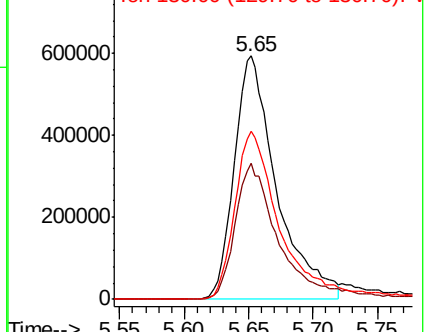
49 100

128 59.3 26.9 80.7

130 77.0 33.8 101.4



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: 0.077 ppbv

RT: 3.03 min Scan# 77

Delta R.T. 0.00 min

Lab File: VL037093.D

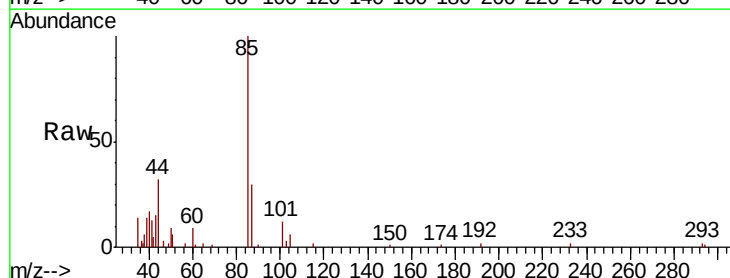
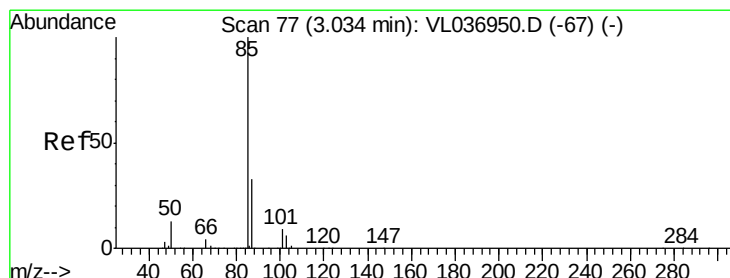
Acq: 2 Jun 2021 6:11

Tgt Ion: 85 Resp: 17794

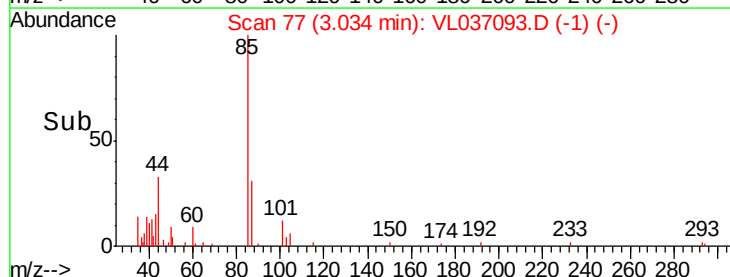
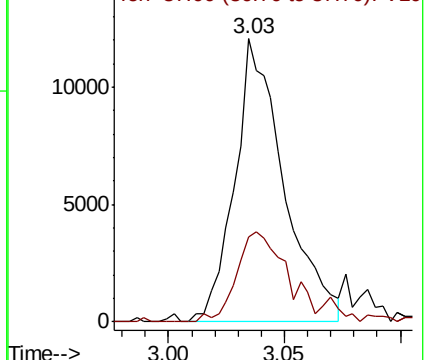
Ion Ratio Lower Upper

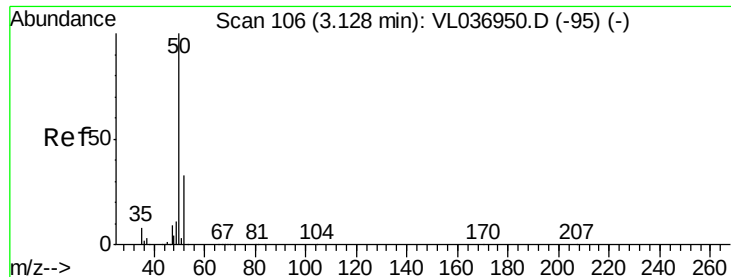
85 100

87 30.0 26.6 39.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.048 ppbv

RT: 3.13 min Scan# 107

Delta R.T. 0.00 min

Lab File: VL037093.D

Acq: 2 Jun 2021 6:11

Instrument :

MSVOA_L

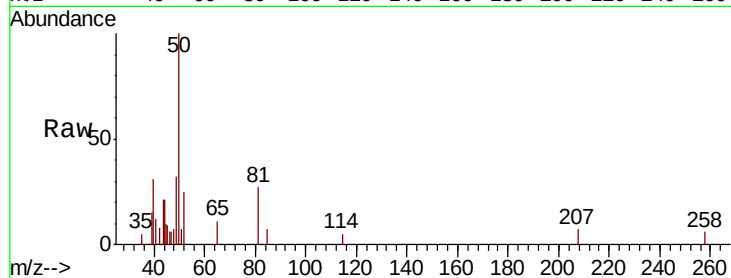
ClientSampleId :

Tot Ion: 50 Resp: 4052

Ion Ratio Lower Upper

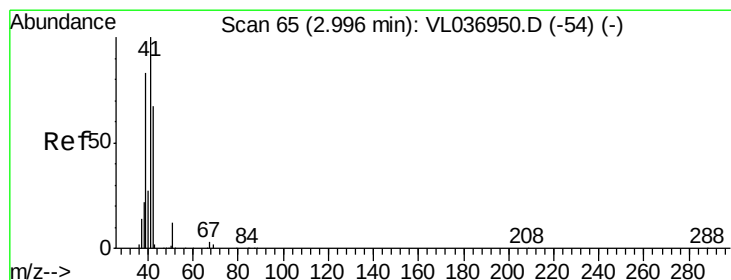
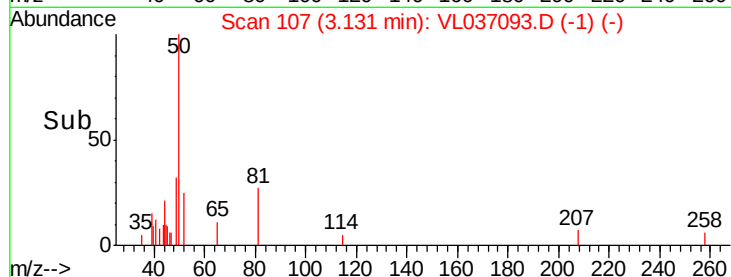
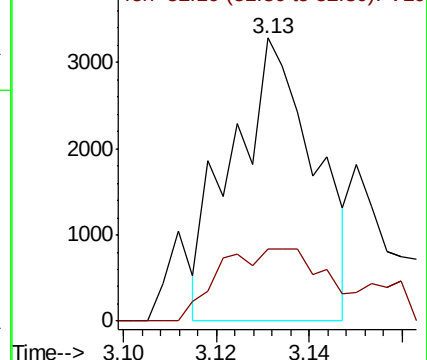
50 100

52 22.0 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#9

Propene

Concen: 0.132 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.02 min

Lab File: VL037093.D

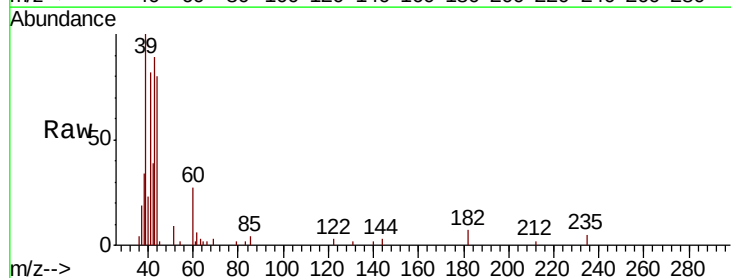
Acq: 2 Jun 2021 6:11

Tgt Ion: 41 Resp: 11749

Ion Ratio Lower Upper

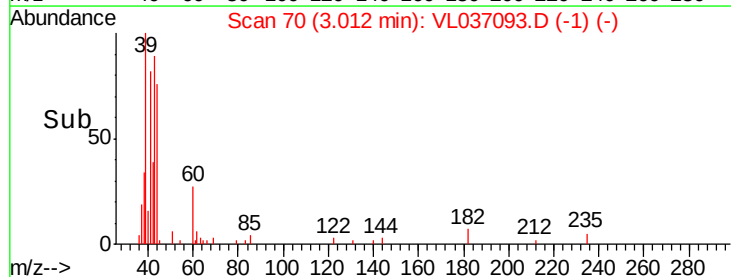
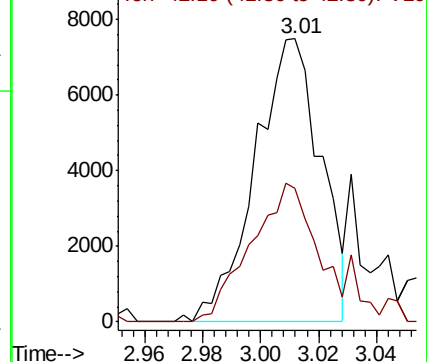
41 100

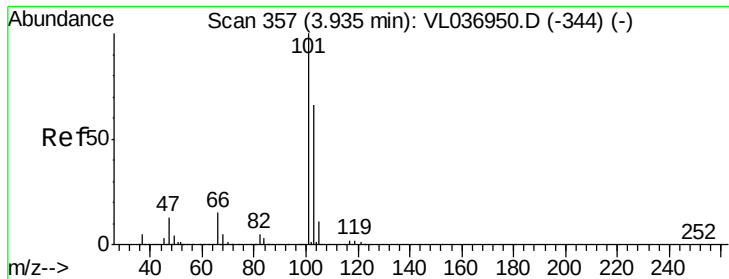
42 55.4 53.9 80.9



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

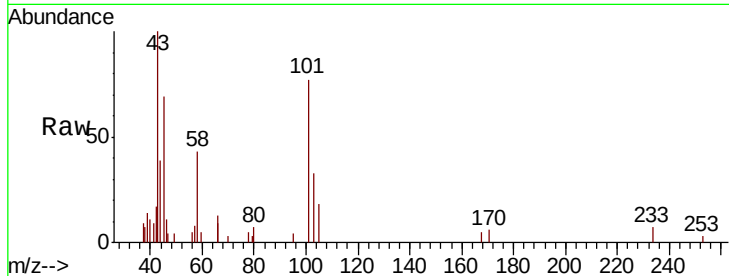




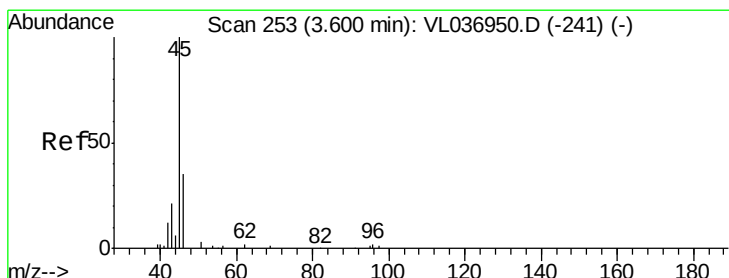
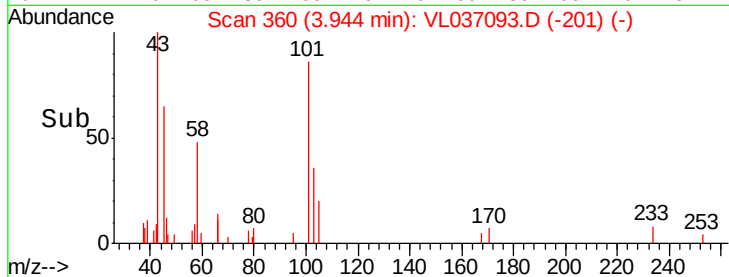
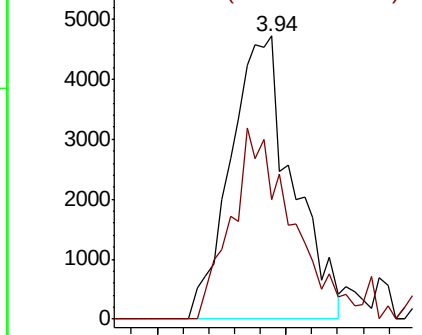
#11
 Trichlorofluoromethane
 Concen: 0.037 ppbv
 RT: 3.94 min Scan# 360
 Delta R.T. 0.01 min
 Lab File: VL037093.D
 Acq: 2 Jun 2021 6:11

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:101 Resp: 7930
 Ion Ratio Lower Upper
 101 100
 103 42.4 52.6 79.0#

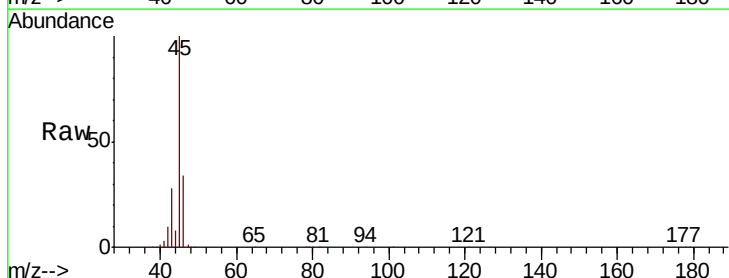


Abundance Ion 101.00 (100.70 to 101.70): V
 Ion 103.00 (102.70 to 103.70): V

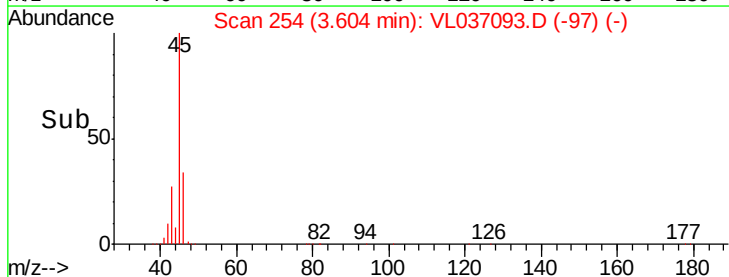
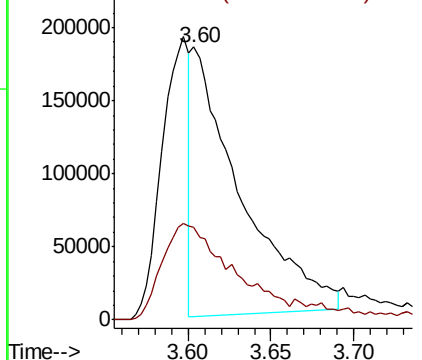


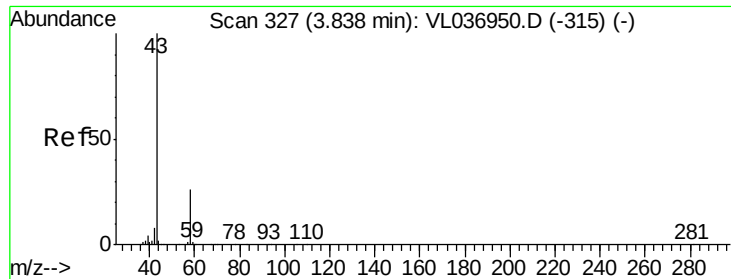
#13
 Ethanol
 Concen: 31.233 ppbv
 RT: 3.60 min Scan# 254
 Delta R.T. 0.00 min
 Lab File: VL037093.D
 Acq: 2 Jun 2021 6:11

Tgt Ion: 45 Resp: 371982
 Ion Ratio Lower Upper
 45 100
 46 0.0 16.3 65.3#



Abundance Ion 45.10 (44.80 to 45.80): VL0
 Ion 46.10 (45.80 to 46.80): VL0

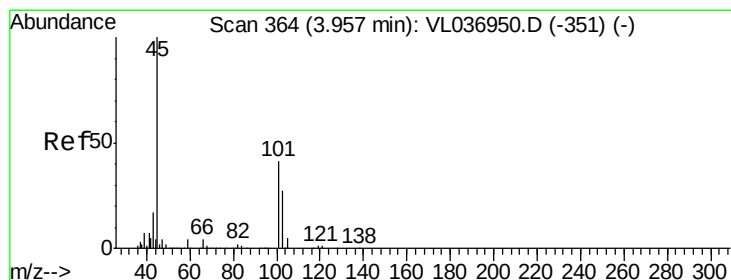
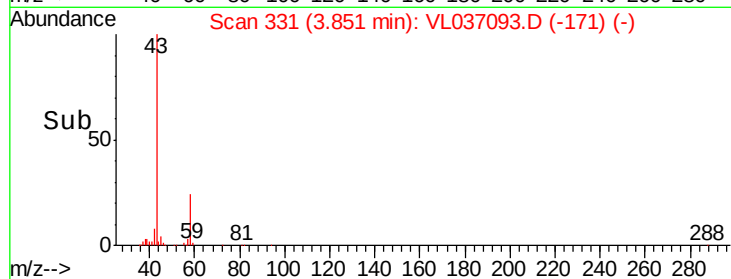
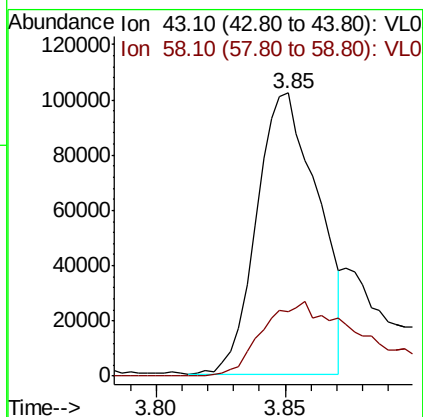
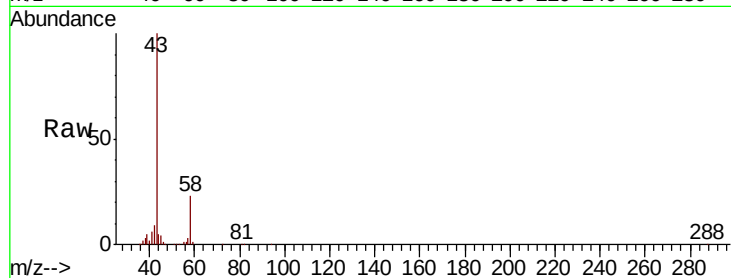




#15
Acetone
Concen: 1.210 ppbv
RT: 3.85 min Scan# 331
Delta R.T. 0.01 min
Lab File: VL037093.D
Acq: 2 Jun 2021 6:11

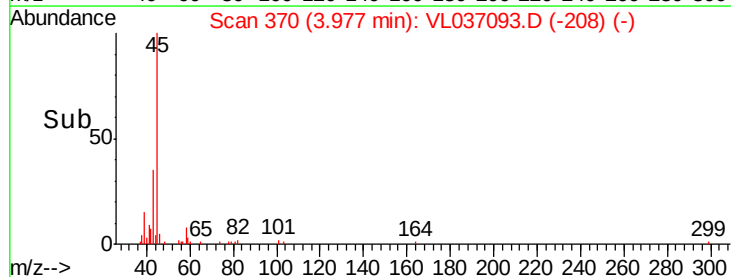
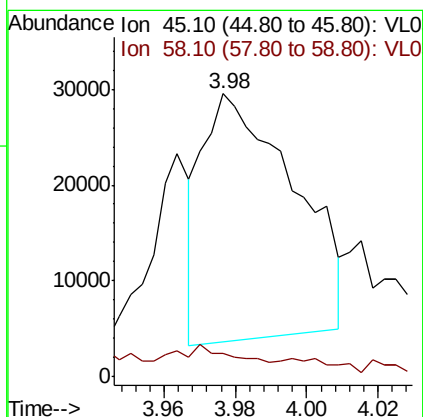
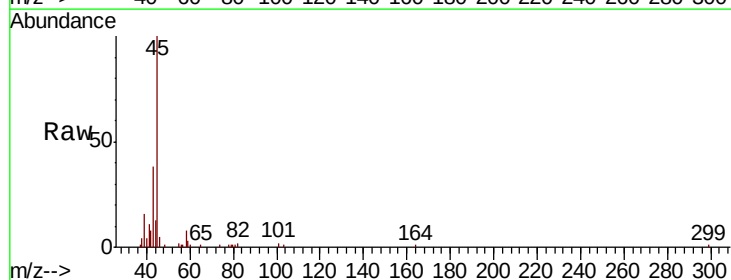
Instrument :
MSVOA_L
ClientSampled :

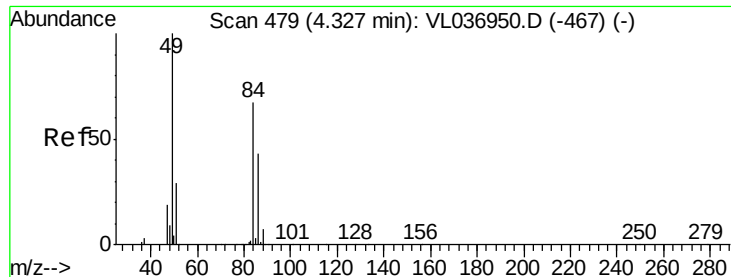
Tot Ion: 43 Resp: 168642
Ion Ratio Lower Upper
43 100
58 48.8 24.0 36.0#



#19
Isopropyl Alcohol
Concen: 0.612 ppbv
RT: 3.98 min Scan# 370
Delta R.T. 0.02 min
Lab File: VL037093.D
Acq: 2 Jun 2021 6:11

Tgt Ion: 45 Resp: 45817
Ion Ratio Lower Upper
45 100
58 18.8 37.2 55.8#

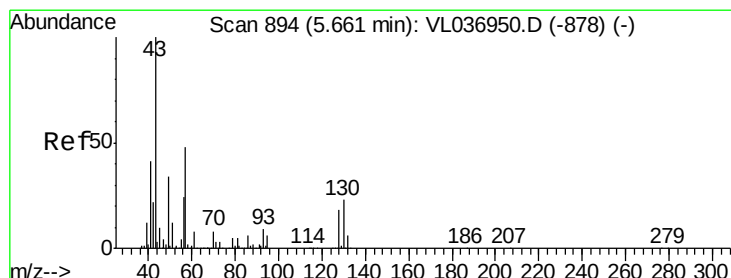
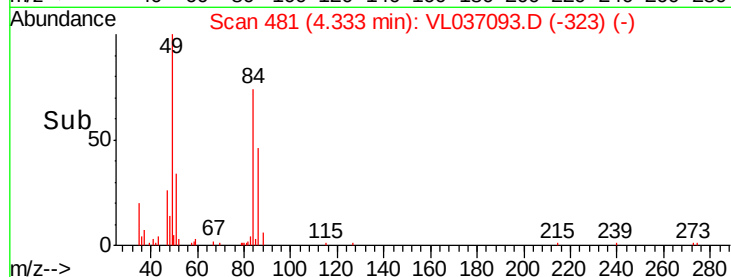
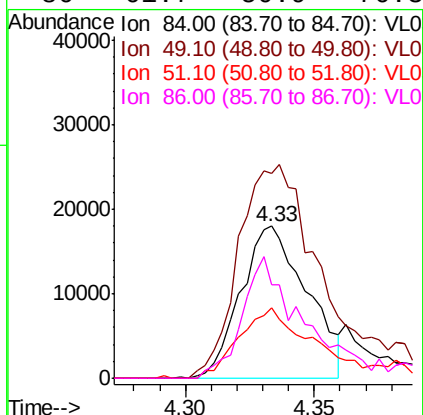
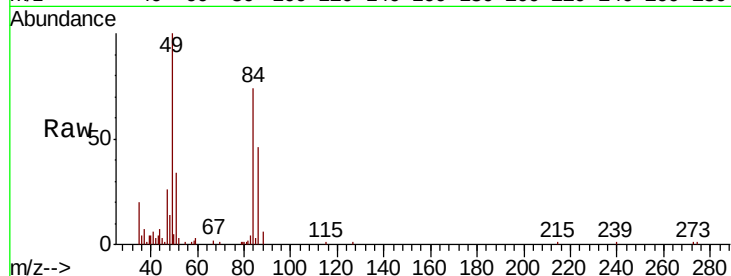




#20
Methylene Chloride
Concen: 0.433 ppbv
RT: 4.33 min Scan# 481
Delta R.T. 0.01 min
Lab File: VL037093.D
Acq: 2 Jun 2021 6:11

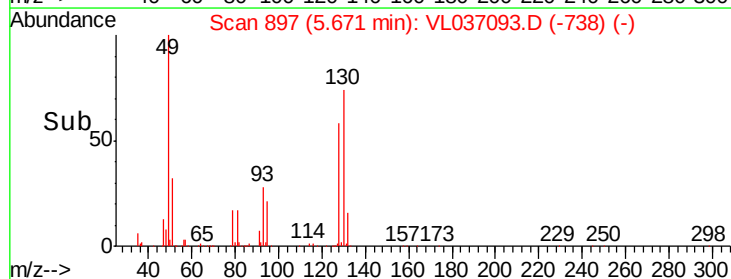
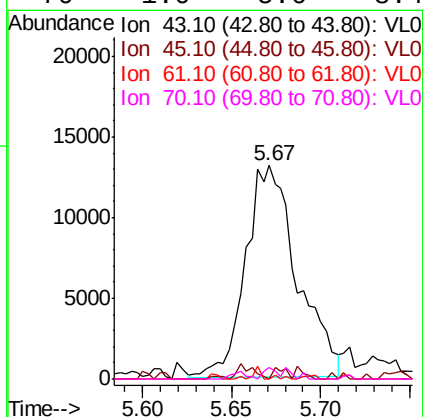
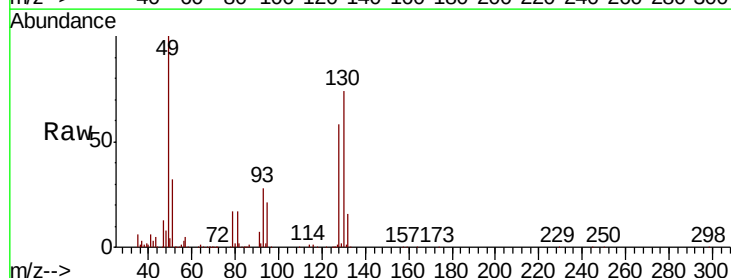
Instrument :
MSVOA_L
ClientSampleId :

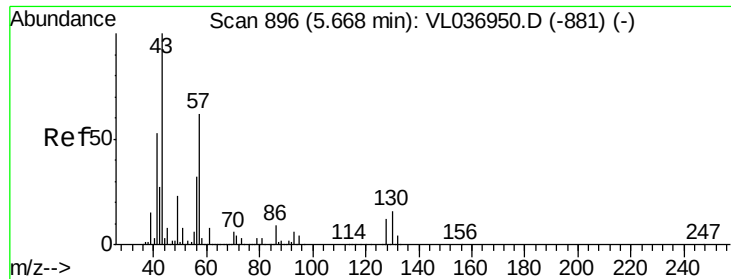
Tot Ion:	84	Resp:	32316
Ion	Ratio	Lower	Upper
84	100		
49	135.0	119.8	179.6
51	46.5	35.1	52.7
86	61.7	50.9	76.3



#25
Ethyl Acetate
Concen: 0.080 ppbv
RT: 5.67 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL037093.D
Acq: 2 Jun 2021 6:11

Tgt Ion:	43	Resp:	26652
Ion	Ratio	Lower	Upper
43	100		
45	4.7	7.8	11.8#
61	1.5	7.8	11.8#
70	1.0	5.6	8.4#

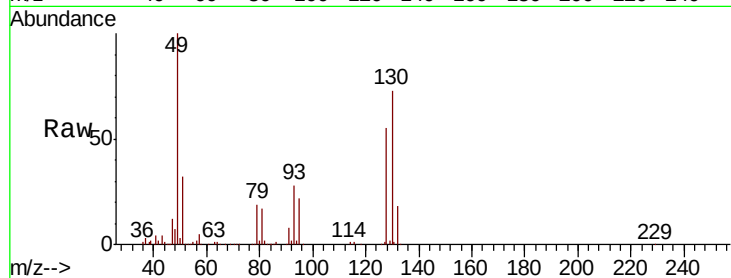




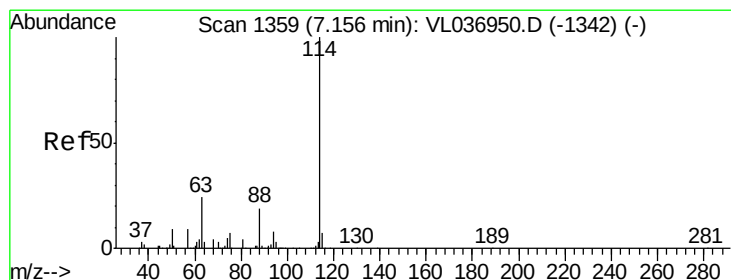
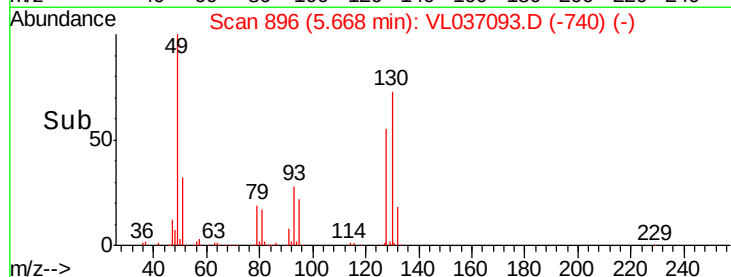
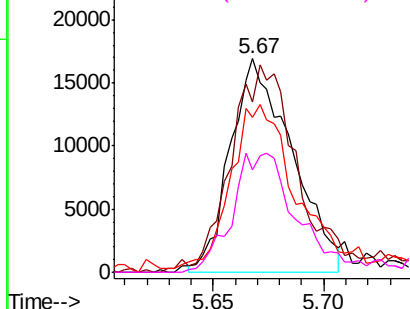
#26
Hexane
Concen: 0.191 ppbv
RT: 5.67 min Scan# 896
Delta R.T. 0.00 min
Lab File: VL037093.D
Acq: 2 Jun 2021 6:11

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 57 Resp: 32730
Ion Ratio Lower Upper
57 100
41 110.2 70.5 105.7#
43 95.1 165.8 248.8#
56 59.5 42.2 63.4

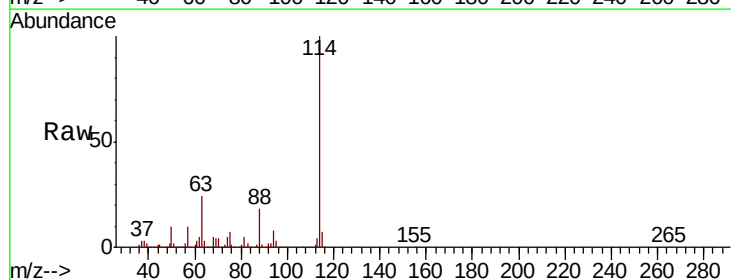


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

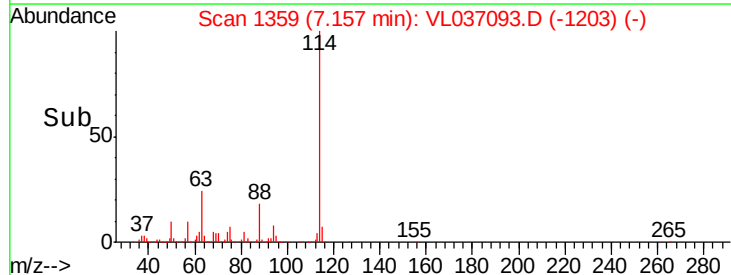
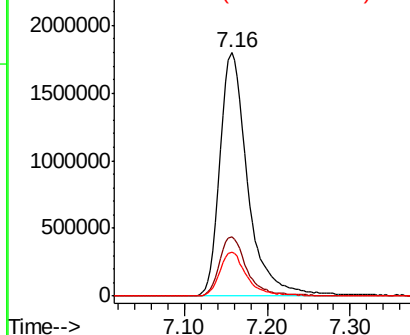


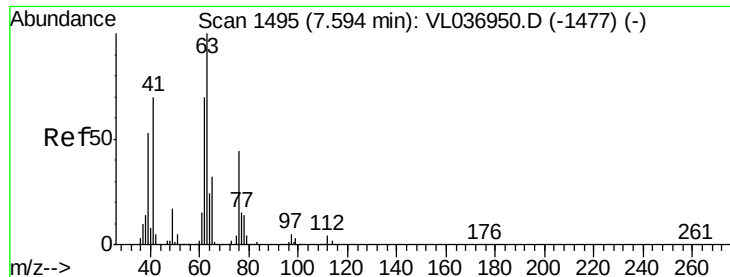
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. 0.00 min
Lab File: VL037093.D
Acq: 2 Jun 2021 6:11

Tgt Ion: 114 Resp: 4186519
Ion Ratio Lower Upper
114 100
63 24.4 19.6 29.4
88 17.9 14.6 21.8



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

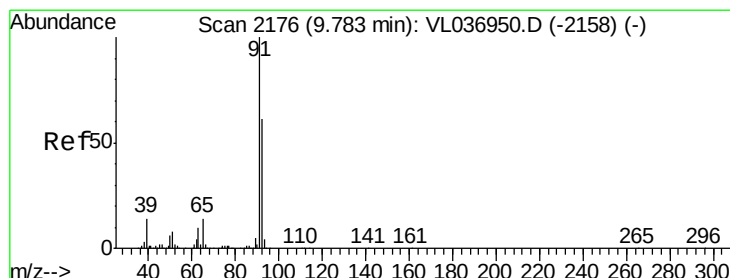
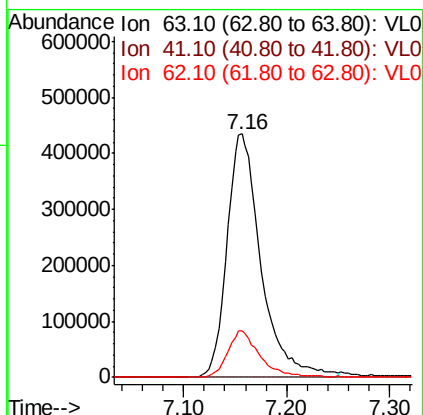
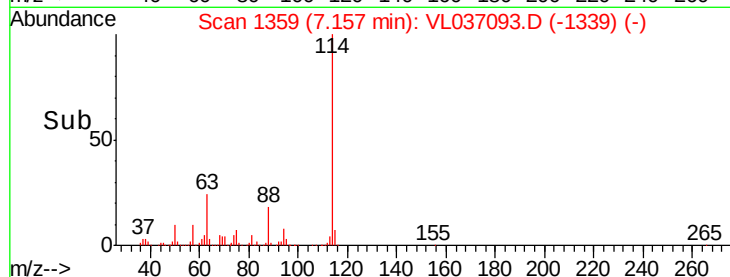
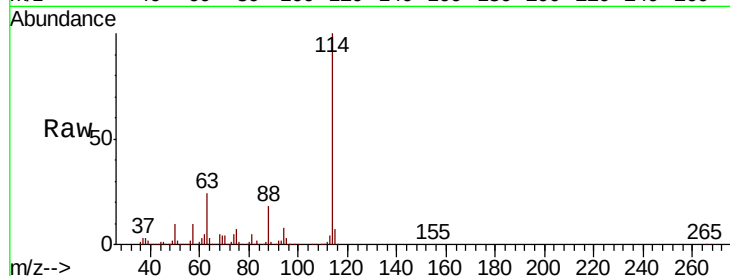




#39
 1,2-Dichloropropane
 Concen: 7.182 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.44 min
 Lab File: VL037093.D
 Acq: 2 Jun 2021 6:11

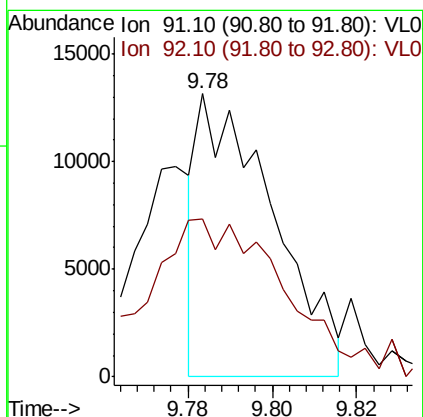
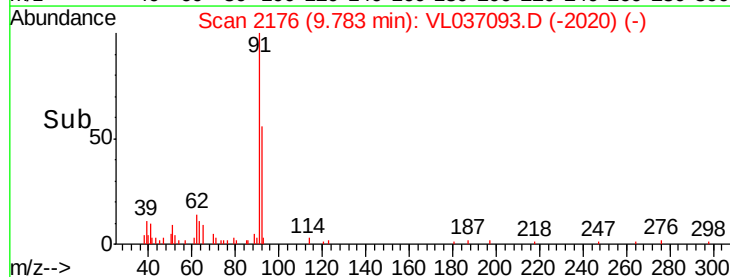
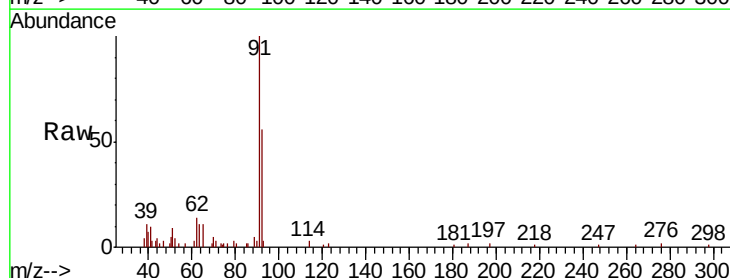
Instrument :
 MSVOA_L
 ClientSampleId :

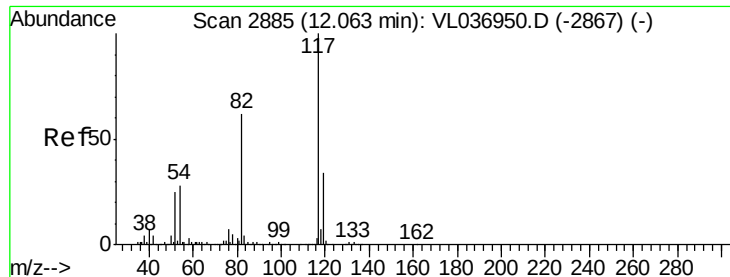
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	55.7	83.5#
62	19.3	56.2	84.4#



#53
 Toluene
 Concen: 0.038 ppbv
 RT: 9.78 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VL037093.D
 Acq: 2 Jun 2021 6:11

Tgt Ion	Ratio	Lower	Upper
91	100		
92	105.1	49.5	74.3#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2885

Delta R.T. 0.00 min

Lab File: VL037093.D

Acq: 2 Jun 2021 6:11

Instrument :

MSVOA_L

ClientSampleId :

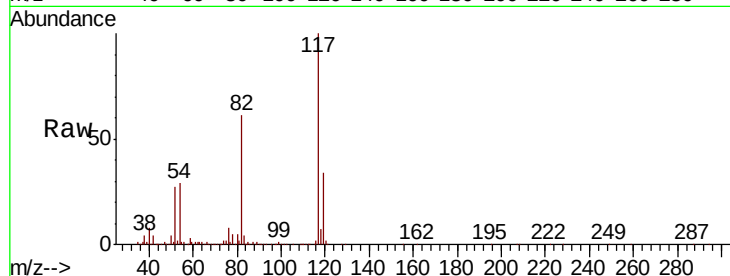
Tot Ion:117 Resp: 3764776

Ion Ratio Lower Upper

117 100

82 65.1 52.6 79.0

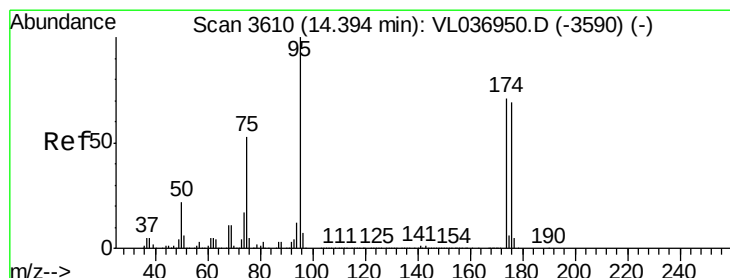
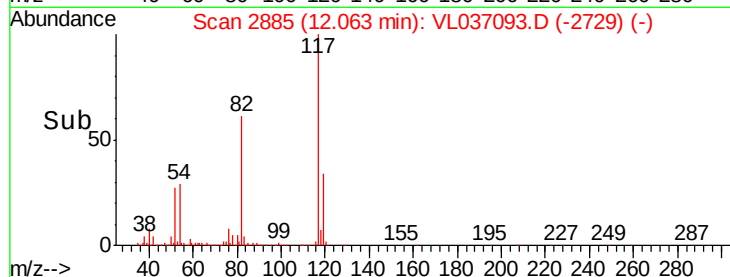
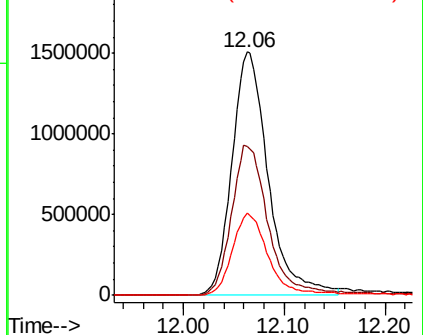
119 34.2 46.6 70.0#



Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V



#68

1-Bromo-4-Fluorobenzene

Concen: 9.524 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. 0.00 min

Lab File: VL037093.D

Acq: 2 Jun 2021 6:11

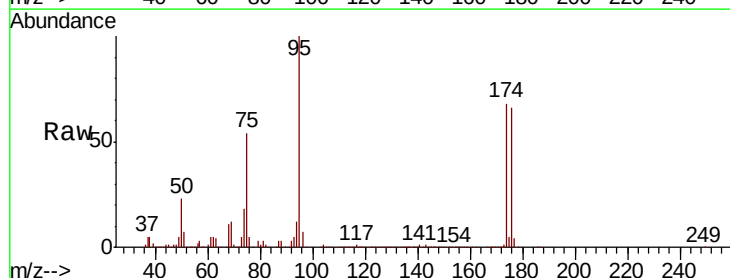
Tgt Ion: 95 Resp: 2693471

Ion Ratio Lower Upper

95 100

174 77.6 58.4 87.6

175 5.9 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

