

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036610.D
 Acq On : 31 Mar 2021 20:27
 Operator : SY/AP
 Sample : M1808-02DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:29:25 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1694030	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3750397	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	3332102	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.43	95	2636611	9.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.30%

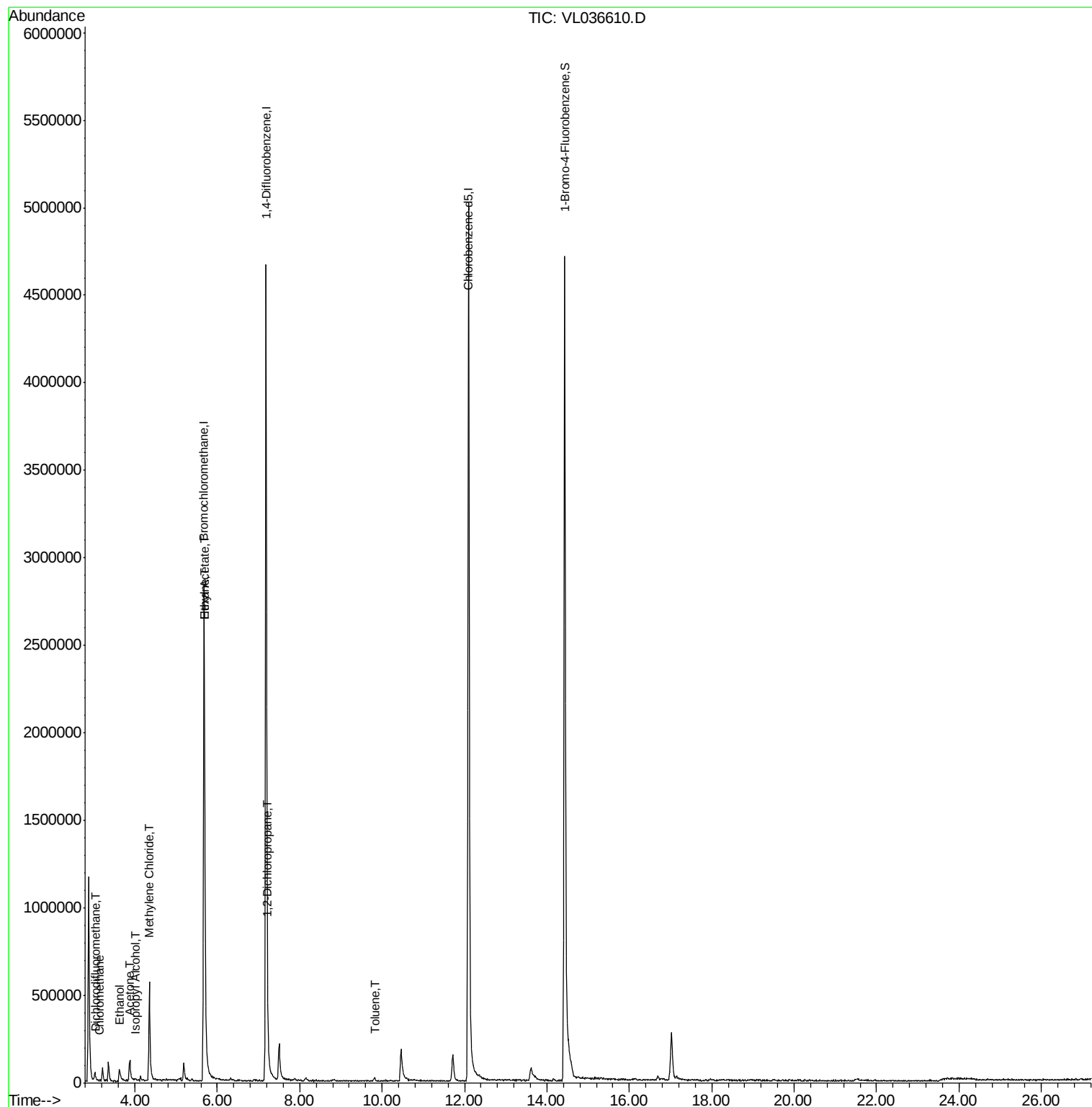
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.05	85	8164	0.030	ppbv #	78
4) Chloromethane	3.14	50	4610	0.041	ppbv #	80
13) Ethanol	3.62	45	61397	5.110	ppbv	81
15) Acetone	3.87	43	132943	0.797	ppbv #	84
19) Isopropyl Alcohol	4.01	45	2426	0.026	ppbv #	1
20) Methylene Chloride	4.35	84	215402	2.759	ppbv	90
25) Ethyl Acetate	5.69	43	154753	0.390	ppbv #	79
26) Hexane	5.69	57	199618	1.085	ppbv #	45
39) 1,2-Dichloropropane	7.23	63	23522	0.168	ppbv #	22
53) Toluene	9.81	91	7406	0.020	ppbv #	26

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.00 min

Lab File: VL036610.D

Acq: 31 Mar 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

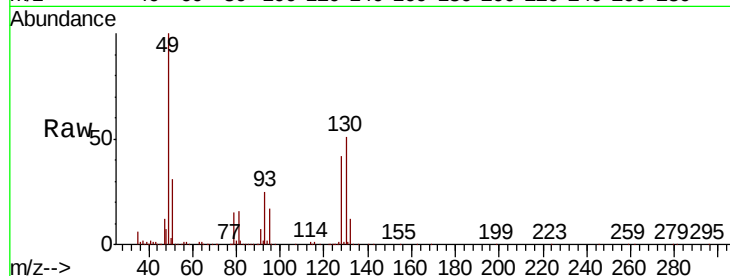
Tot Ion: 49 Resp: 1694030

Ion Ratio Lower Upper

49 100

128 43.6 23.5 70.6

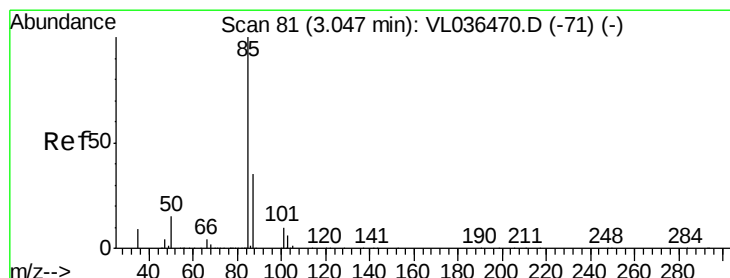
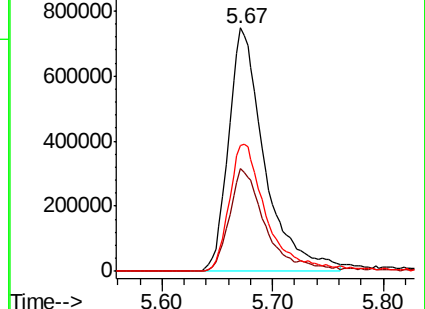
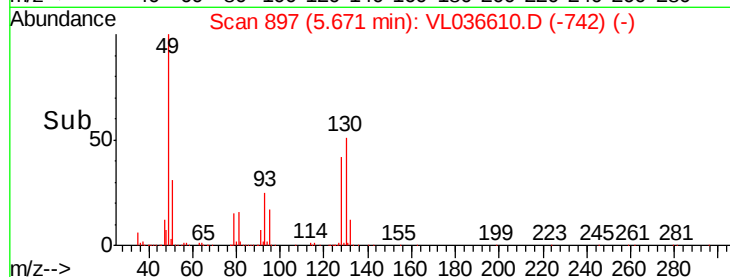
130 55.6 29.1 87.4



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: 0.030 ppbv

RT: 3.05 min Scan# 82

Delta R.T. 0.00 min

Lab File: VL036610.D

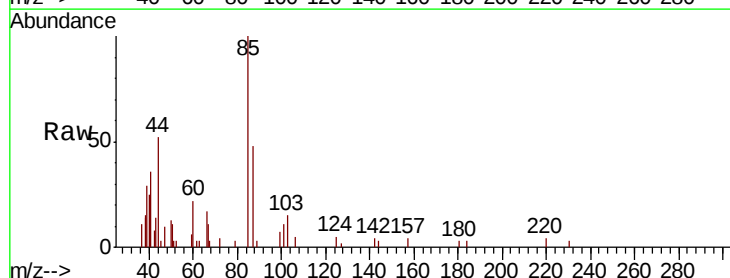
Acq: 31 Mar 2021 20:27

Tgt Ion: 85 Resp: 8164

Ion Ratio Lower Upper

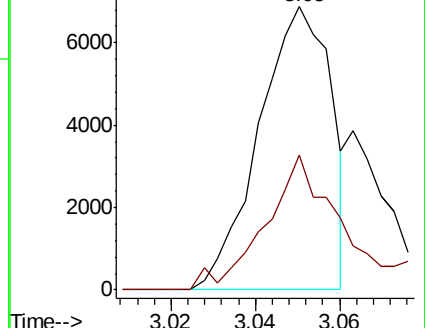
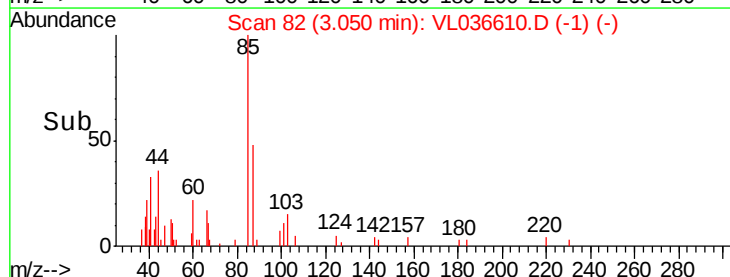
85 100

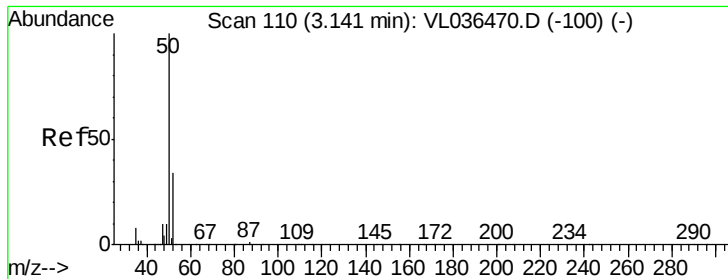
87 47.6 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#4

Chloromethane

Concen: 0.041 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.00 min

Lab File: VL036610.D

Acq: 31 Mar 2021 20:27

Instrument :

MSVOA_L

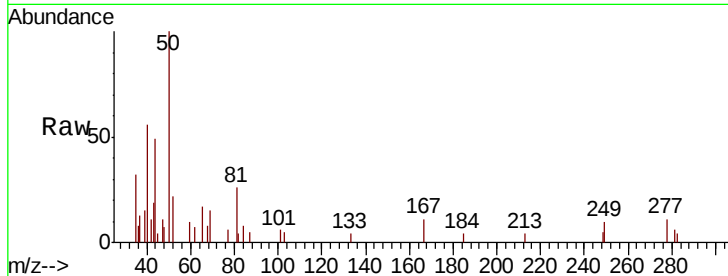
ClientSampleId :

Tot Ion: 50 Resp: 4610

Ion Ratio Lower Upper

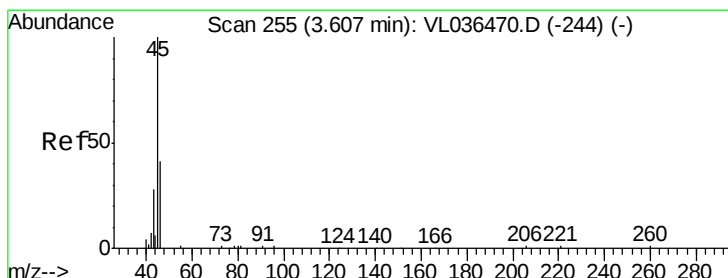
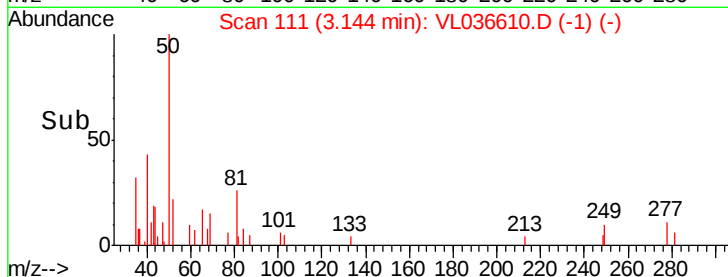
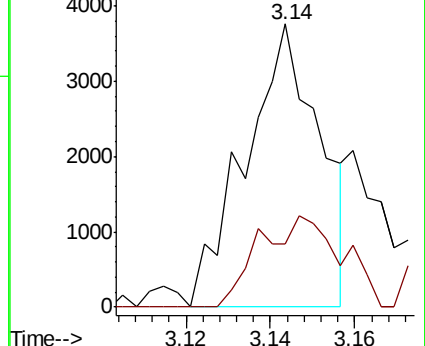
50 100

52 22.2 27.0 40.6#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#13

Ethanol

Concen: 5.110 ppbv

RT: 3.62 min Scan# 260

Delta R.T. 0.02 min

Lab File: VL036610.D

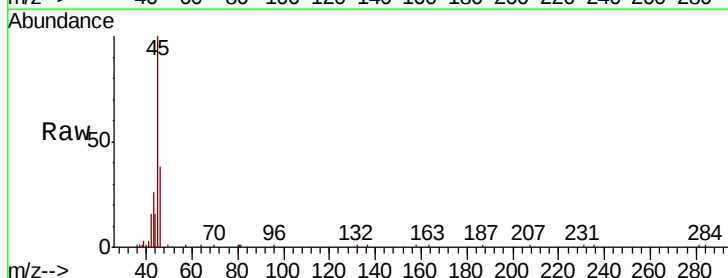
Acq: 31 Mar 2021 20:27

Tgt Ion: 45 Resp: 61397

Ion Ratio Lower Upper

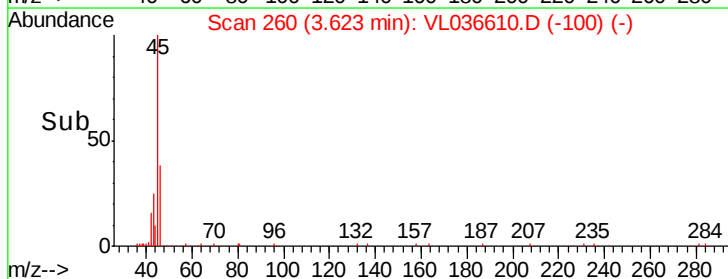
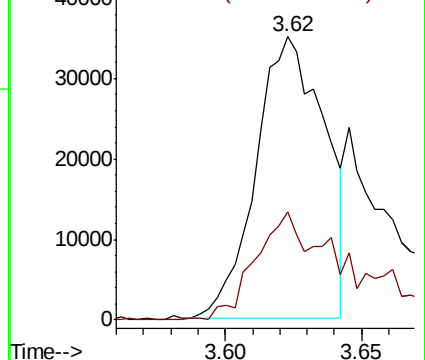
45 100

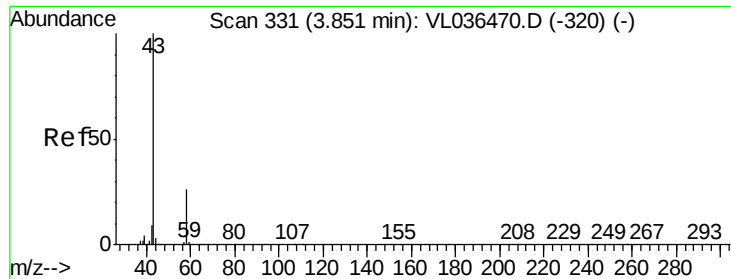
46 53.4 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0

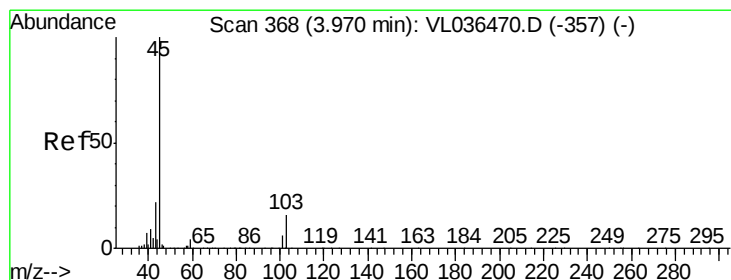
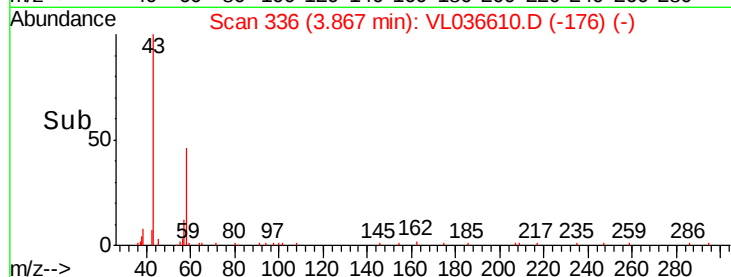
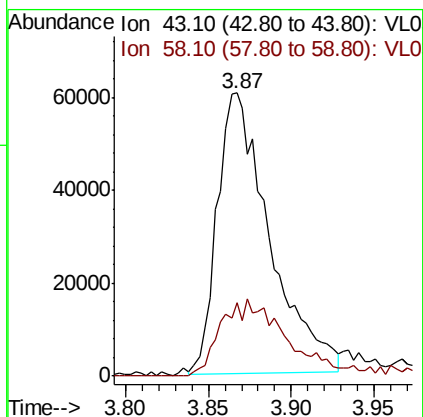
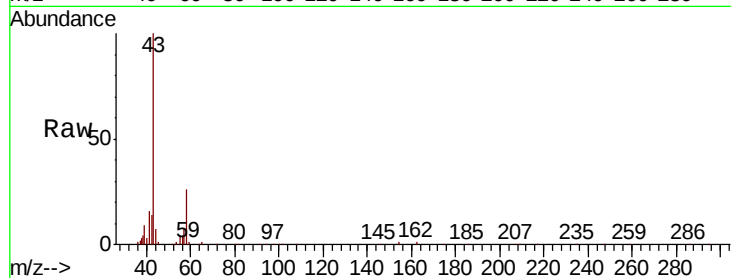




#15
Acetone
Concen: 0.797 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.02 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

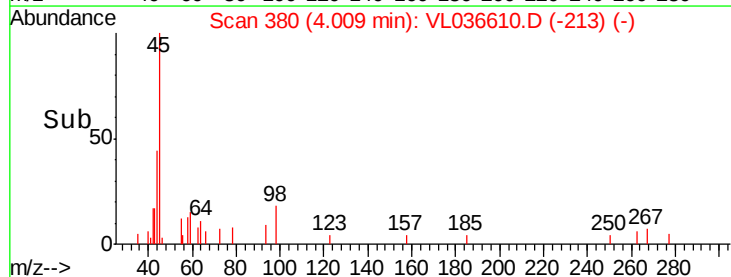
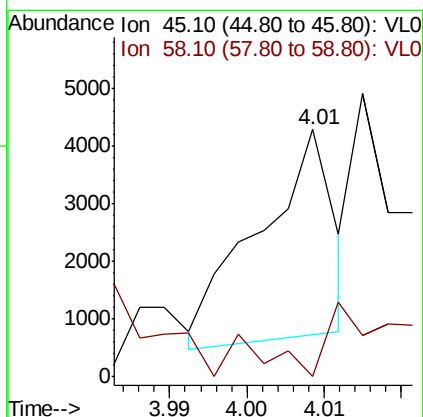
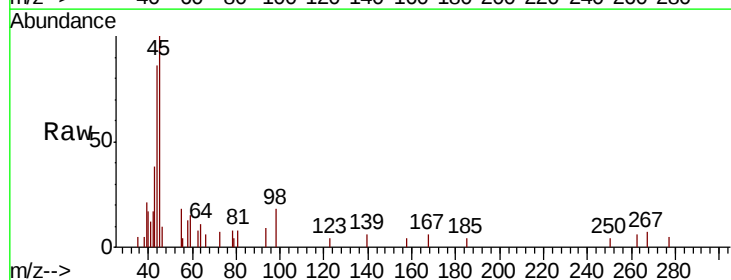
Instrument :
MSVOA_L
ClientSampleId :

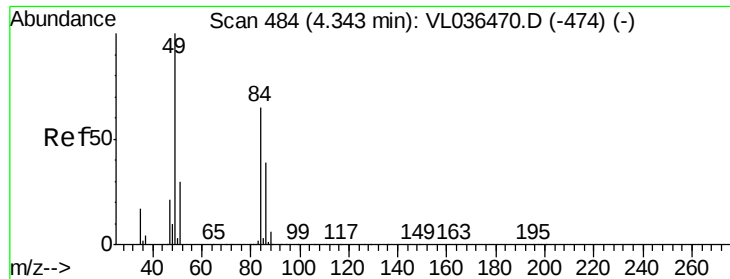
Tot Ion: 43 Resp: 132943
Ion Ratio Lower Upper
43 100
58 34.9 21.2 31.8#



#19
Isopropyl Alcohol
Concen: 0.026 ppbv
RT: 4.01 min Scan# 380
Delta R.T. 0.04 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

Tgt Ion: 45 Resp: 2426
Ion Ratio Lower Upper
45 100
58 153.2 2.9 4.3#

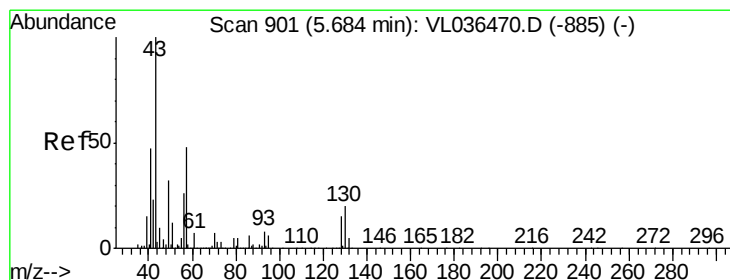
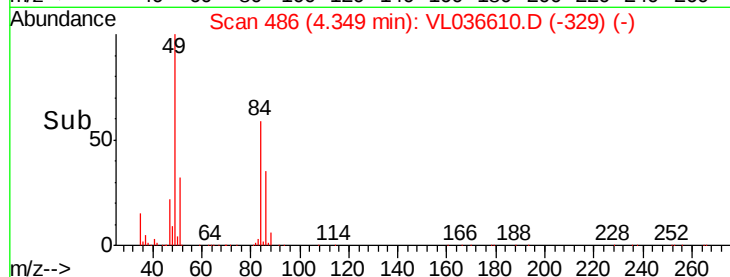
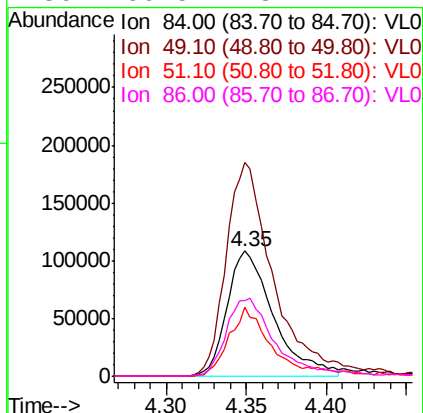
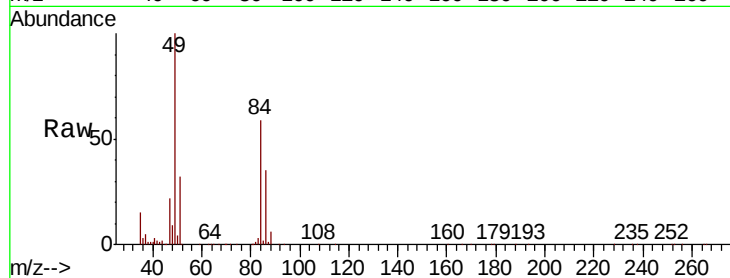




#20
Methvlene Chloride
Concen: 2.759 ppbv
RT: 4.35 min Scan# 486
Delta R.T. 0.01 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

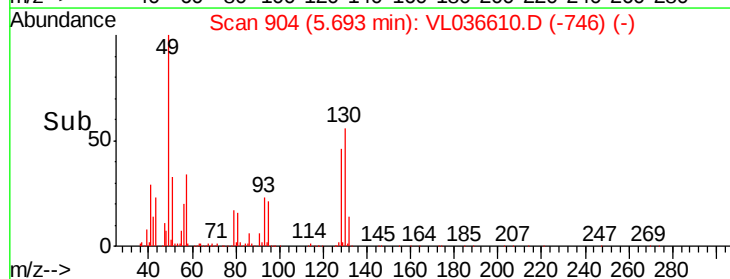
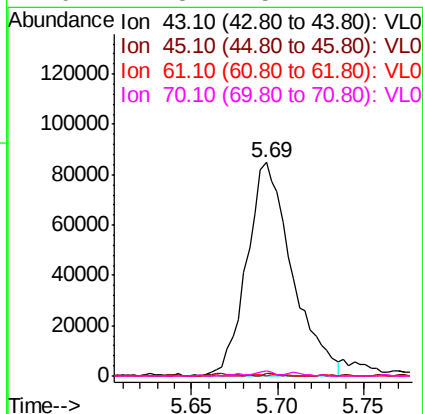
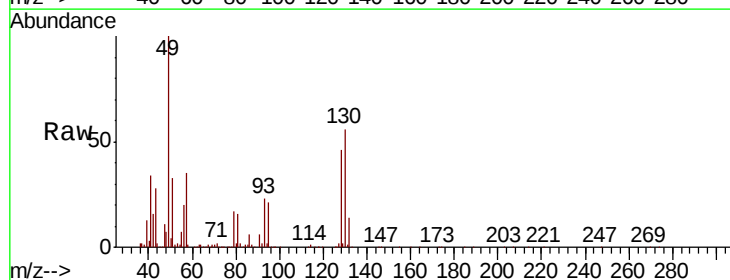
Instrument :
MSVOA_L
ClientSampleId :

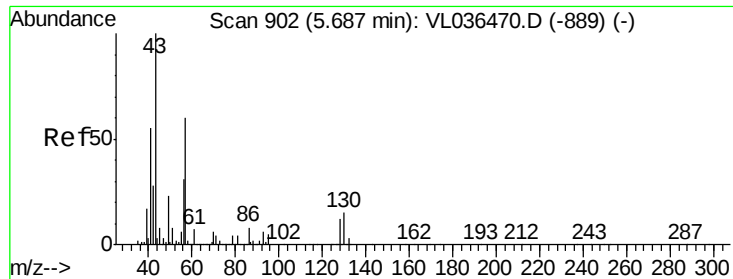
Tot Ion:	84	Resp:	215402
Ion	Ratio	Lower	Upper
84	100		
49	170.4	122.9	184.3
51	55.1	36.9	55.3
86	60.5	48.2	72.4



#25
Ethyl Acetate
Concen: 0.390 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

Tgt Ion:	43	Resp:	154753
Ion	Ratio	Lower	Upper
43	100		
45	1.1	7.9	11.9#
61	0.6	7.4	11.2#
70	1.8	5.1	7.7#

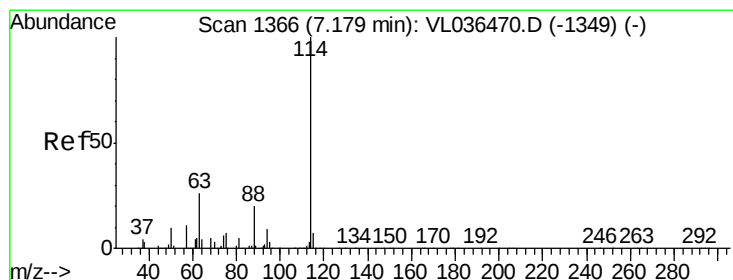
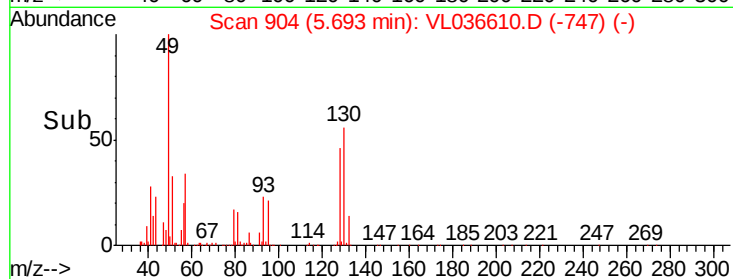
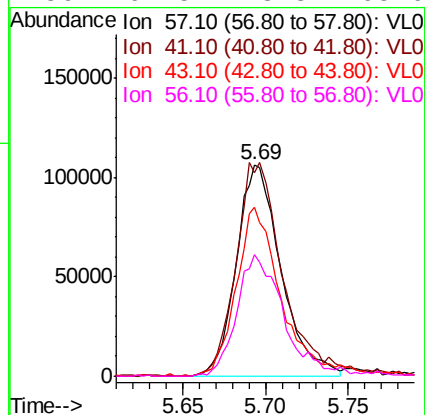
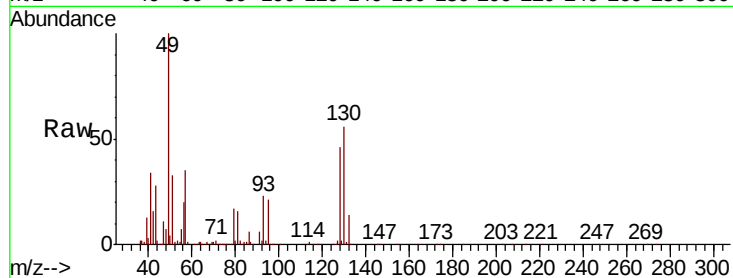




#26
Hexane
Concen: 1.085 ppbv
RT: 5.69 min Scan# 904
Delta R.T. 0.01 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

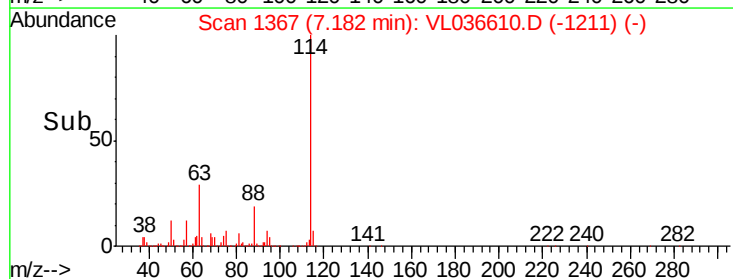
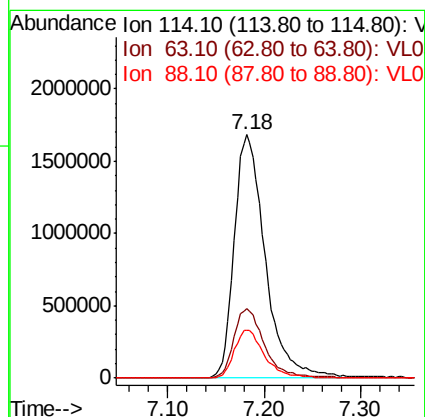
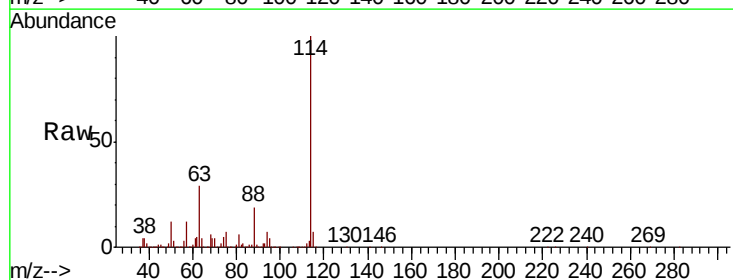
Instrument :
MSVOA_L
ClientSampleId :

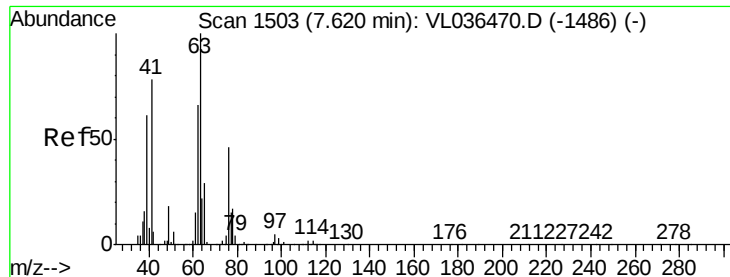
Tot Ion: 57 Resp: 199618
Ion Ratio Lower Upper
57 100
41 110.1 77.2 115.8
43 82.1 173.8 260.6#
56 62.5 43.8 65.6



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.18 min Scan# 1367
Delta R.T. 0.00 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

Tgt Ion: 114 Resp: 3750397
Ion Ratio Lower Upper
114 100
63 28.5 22.4 33.6
88 19.4 15.4 23.0





#39

1,2-Dichloropropane

Concen: 0.168 ppbv

RT: 7.23 min Scan# 1381

Delta R.T. -0.39 min

Lab File: VL036610.D

Acq: 31 Mar 2021 20:27

Instrument :

MSVOA_L

ClientSampleId :

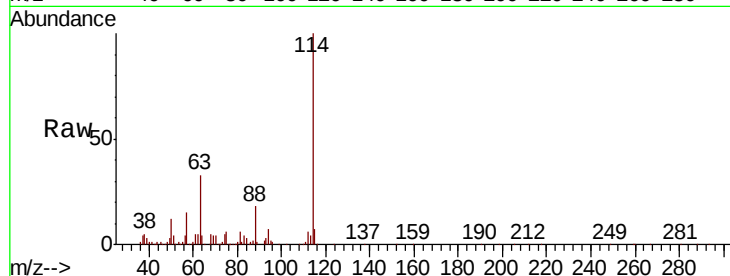
Tot Ion: 63 Resp: 23522

Ion Ratio Lower Upper

63 100

41 0.0 62.4 93.6#

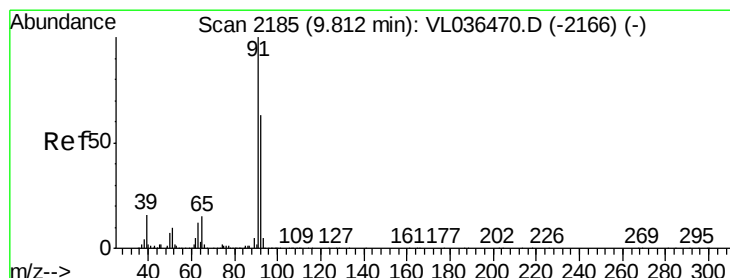
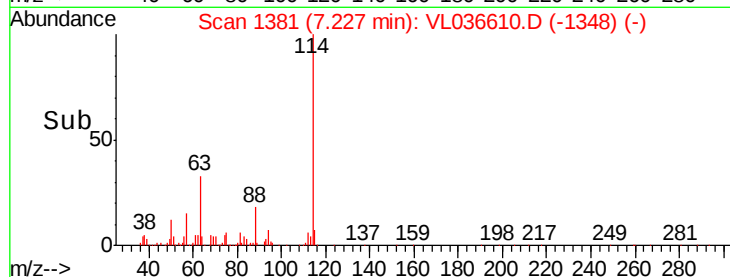
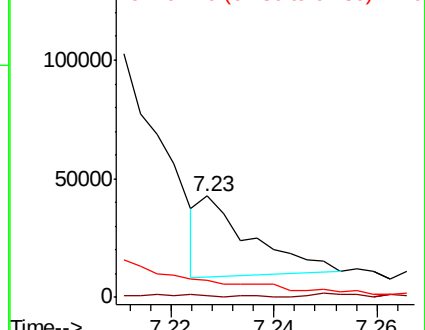
62 14.4 52.8 79.2#



Abundance Ion 63.10 (62.80 to 63.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

Ion 62.10 (61.80 to 62.80): VL0



#53

Toluene

Concen: 0.020 ppbv

RT: 9.81 min Scan# 2185

Delta R.T. -0.00 min

Lab File: VL036610.D

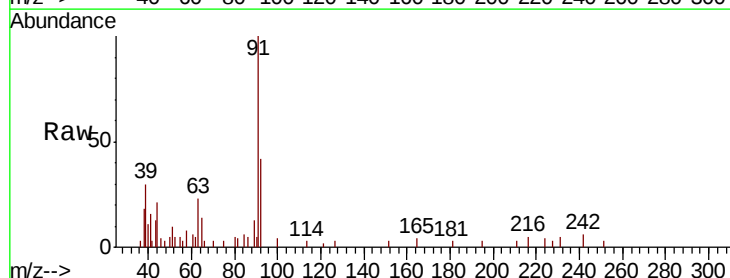
Acq: 31 Mar 2021 20:27

Tgt Ion: 91 Resp: 7406

Ion Ratio Lower Upper

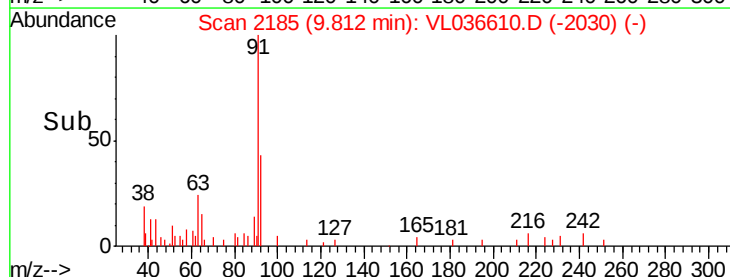
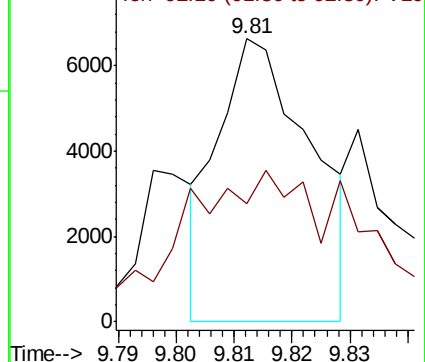
91 100

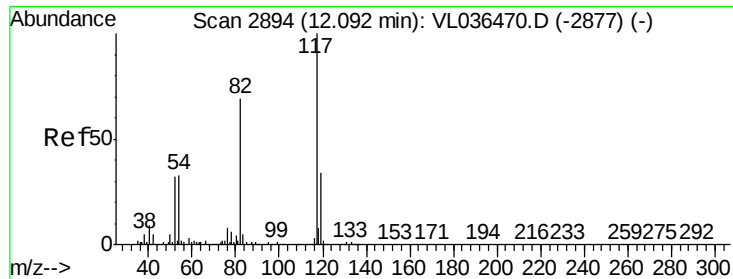
92 117.2 48.8 73.2#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0

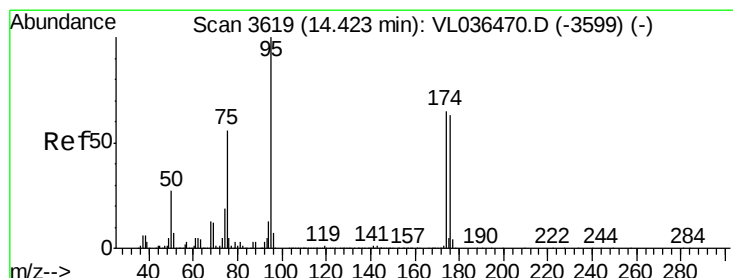
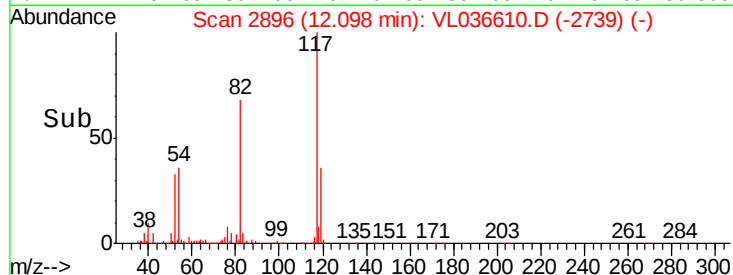
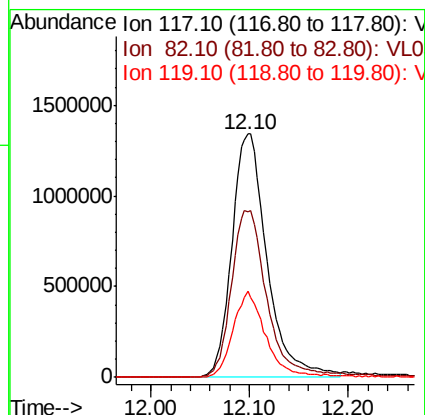
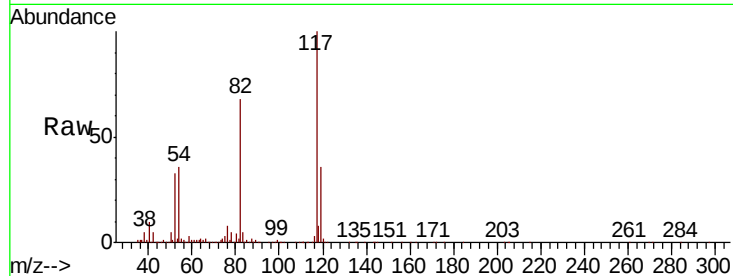




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. 0.01 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3332102
Ion Ratio Lower Upper
117 100
82 71.4 57.4 86.0
119 33.9 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.928 ppbv
RT: 14.43 min Scan# 3621
Delta R.T. 0.01 min
Lab File: VL036610.D
Acq: 31 Mar 2021 20:27

Tgt Ion: 95 Resp: 2636611
Ion Ratio Lower Upper
95 100
174 64.1 51.0 76.6
175 4.4 3.9 5.9

