

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036172.D
 Acq On : 16 Dec 2020 18:37
 Operator : SY/AP
 Sample : L5041-02 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:40:47 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL120720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Dec 07 16:56:49 2020
 QLast Update : Mon Dec 07 16:56:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1341469	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.16	114	2662569	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.08	117	2398415	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	2126612	11.17	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.70%

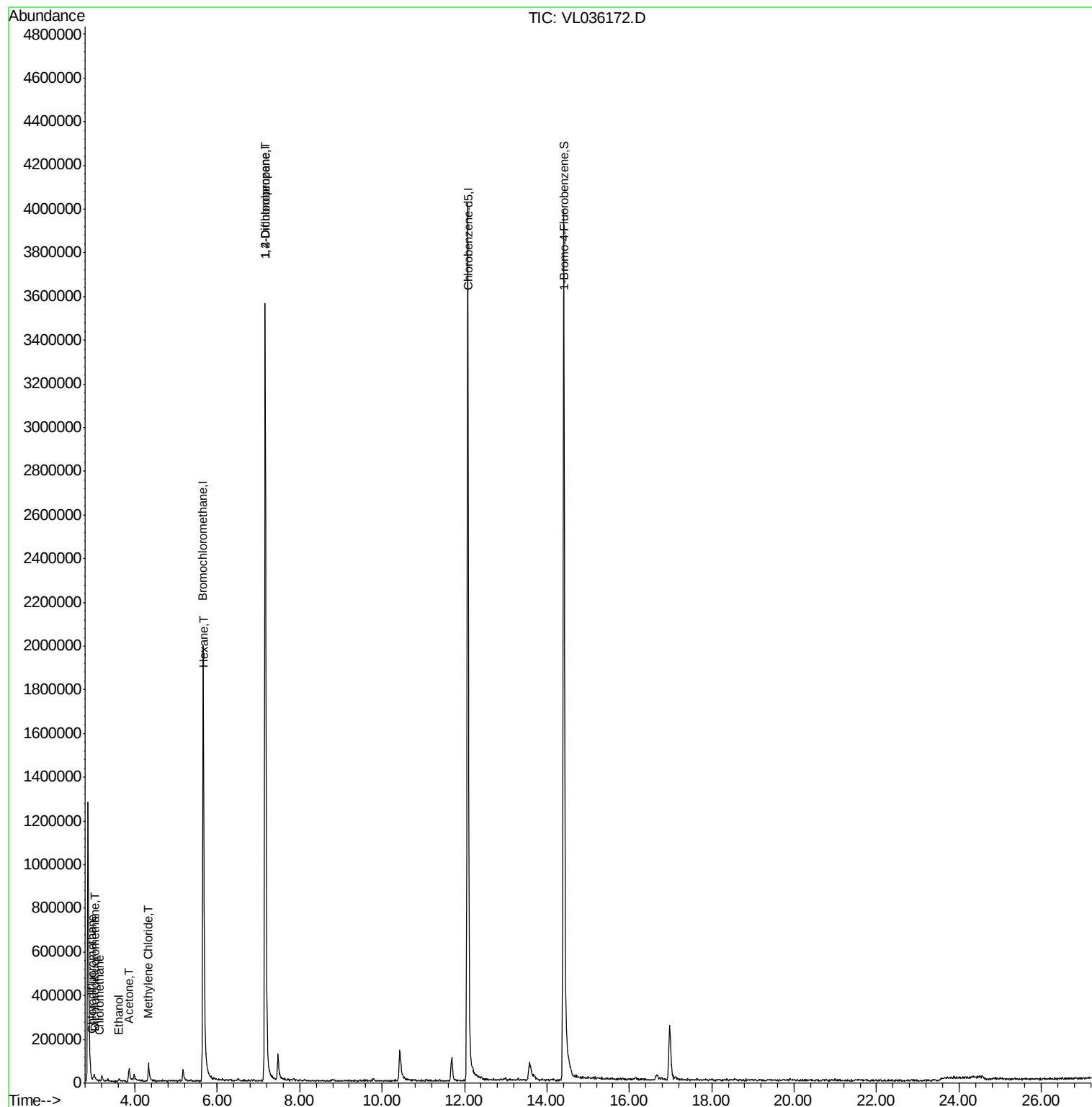
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	7286	0.047	ppbv	99
3) Chlorodifluoromethane	2.97	51	5968	0.039	ppbv #	86
4) Chloromethane	3.14	50	4130	0.055	ppbv #	57
13) Ethanol	3.59	45	898	0.085	ppbv #	29
15) Acetone	3.85	43	56460	0.350	ppbv #	55
20) Methylene Chloride	4.33	84	15357	0.232	ppbv #	79
26) Hexane	5.67	57	18420	0.127	ppbv #	35
39) 1,2-Dichloropropane	7.17	63	860692	9.659	ppbv #	24

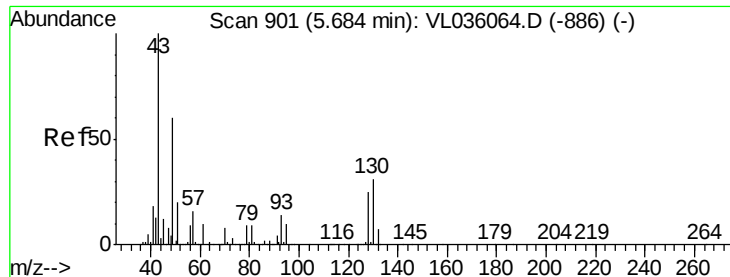
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 892

Delta R.T. -0.03 min

Lab File: VL036172.D

Acq: 16 Dec 2020 18:37

Instrument :

MSVOA_L

ClientSampleId :

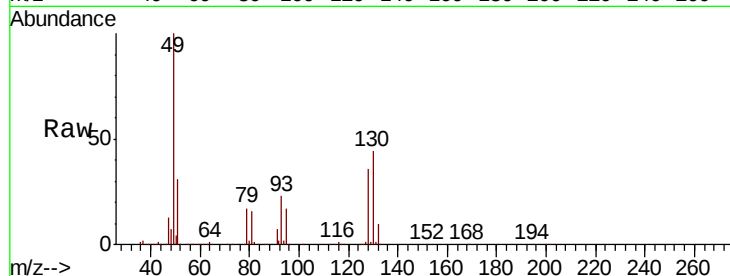
Tot Ion: 49 Resp: 1341469

Ion Ratio Lower Upper

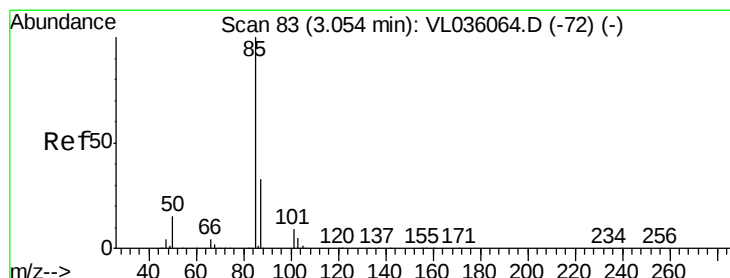
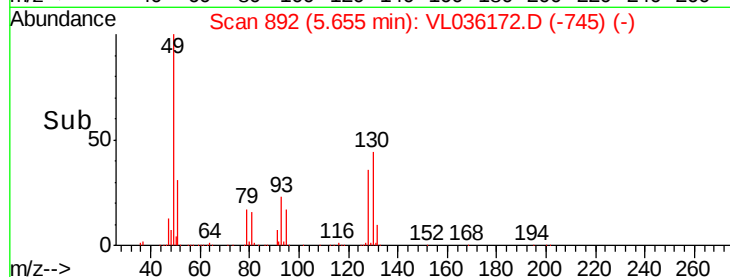
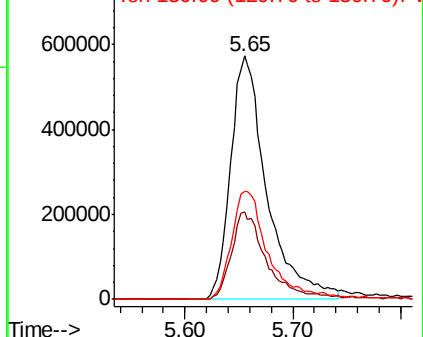
49 100

128 36.0 21.1 63.1

130 46.0 27.1 81.3



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: 0.047 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.02 min

Lab File: VL036172.D

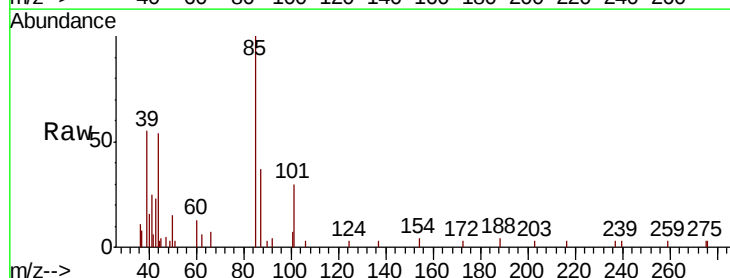
Acq: 16 Dec 2020 18:37

Tgt Ion: 85 Resp: 7286

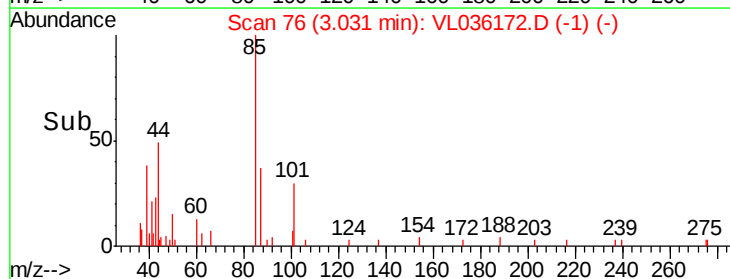
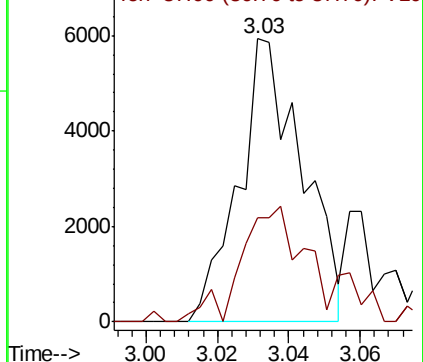
Ion Ratio Lower Upper

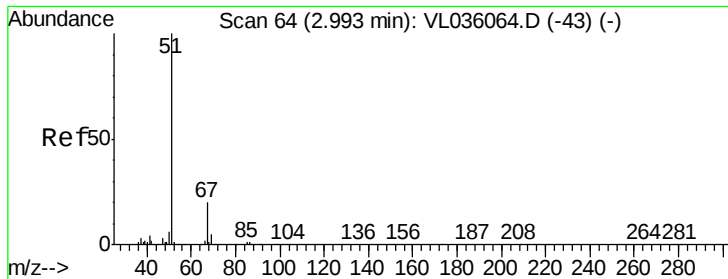
85 100

87 33.8 26.5 39.7



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





#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.02 min

Lab File: VL036172.D

Acq: 16 Dec 2020 18:37

Instrument :

MSVOA_L

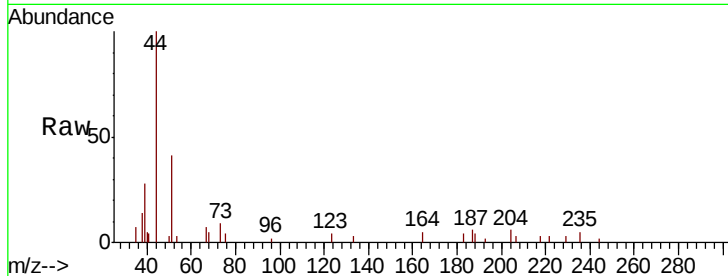
ClientSampleId :

Tot Ion: 51 Resp: 5968

Ion Ratio Lower Upper

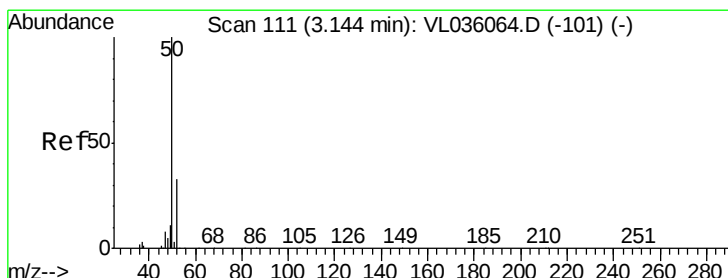
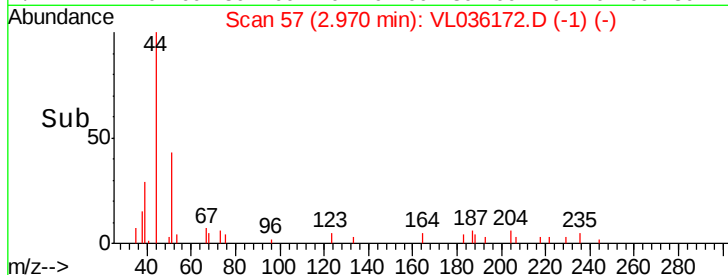
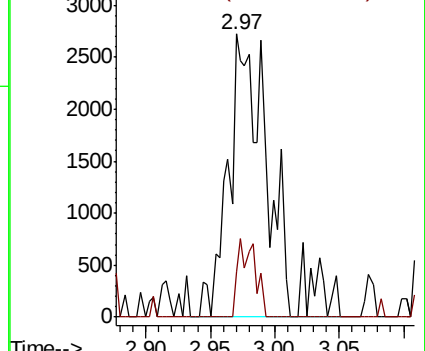
51 100

67 11.8 14.3 21.5#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.055 ppbv

RT: 3.14 min Scan# 109

Delta R.T. -0.01 min

Lab File: VL036172.D

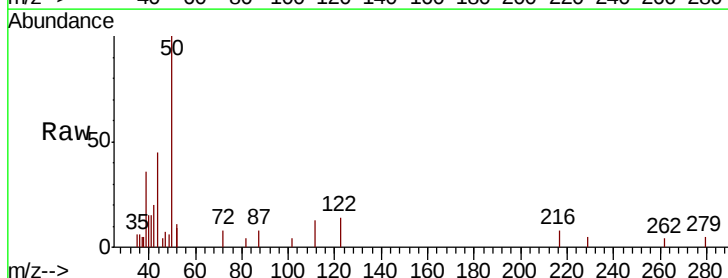
Acq: 16 Dec 2020 18:37

Tgt Ion: 50 Resp: 4130

Ion Ratio Lower Upper

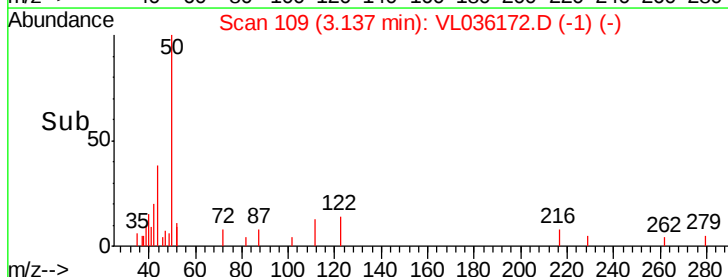
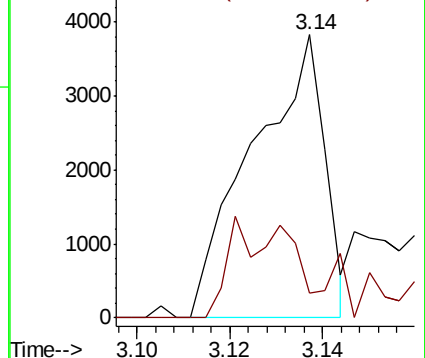
50 100

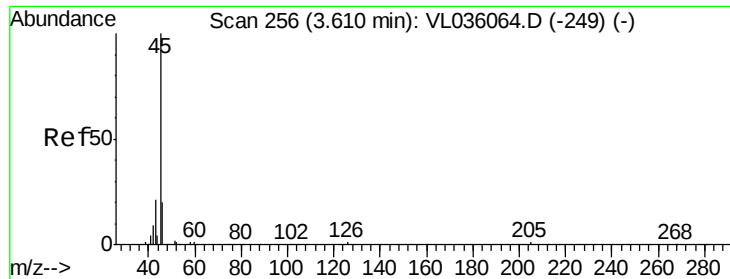
52 8.6 26.1 39.1#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#13

Ethanol

Concen: 0.085 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL036172.D

Acq: 16 Dec 2020 18:37

Instrument :

MSVOA_L

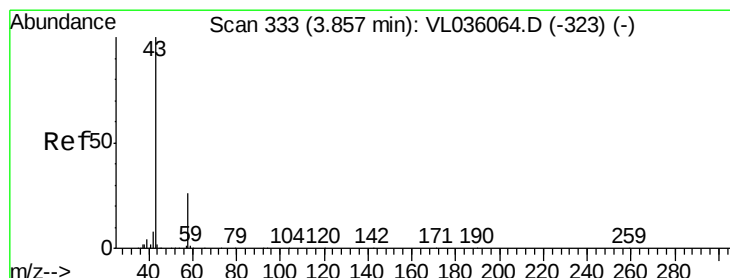
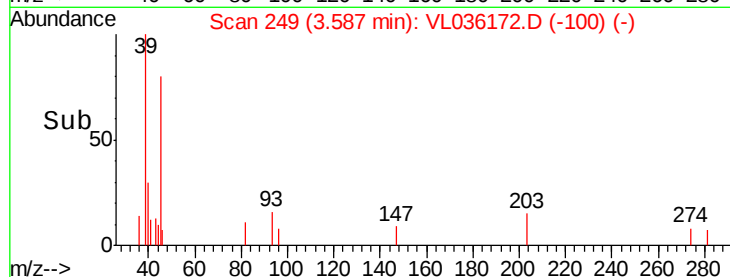
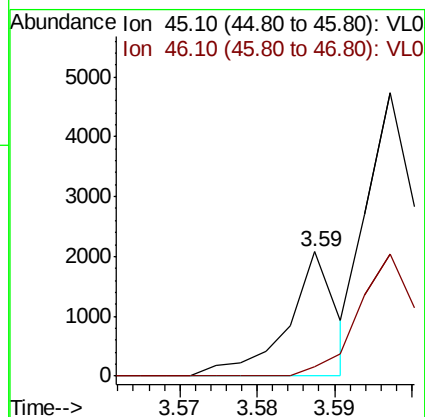
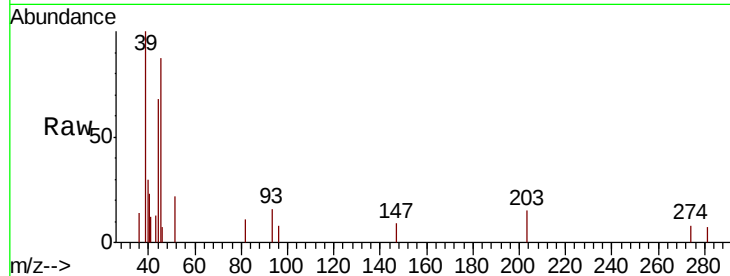
ClientSampleId :

Tot Ion: 45 Resp: 898

Ion Ratio Lower Upper

45 100

46 0.0 19.0 75.8#



#15

Acetone

Concen: 0.350 ppbv

RT: 3.85 min Scan# 331

Delta R.T. -0.01 min

Lab File: VL036172.D

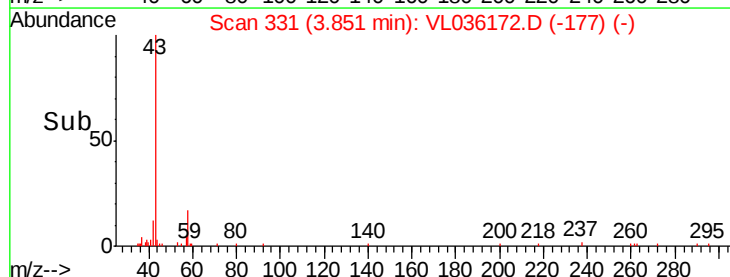
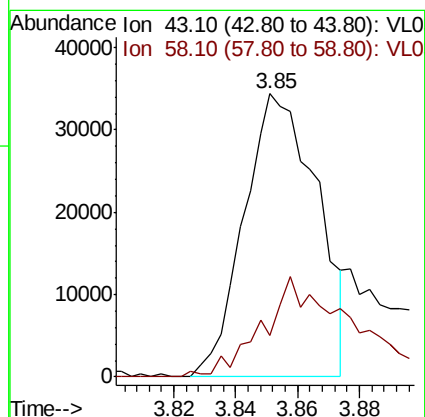
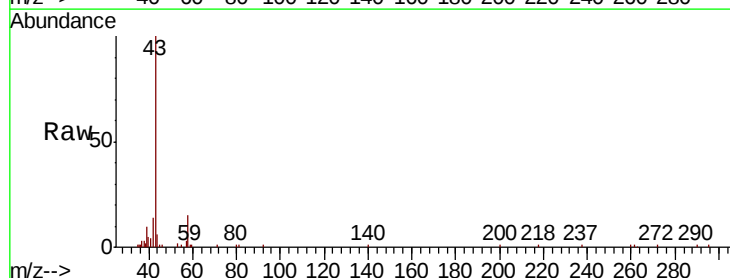
Acq: 16 Dec 2020 18:37

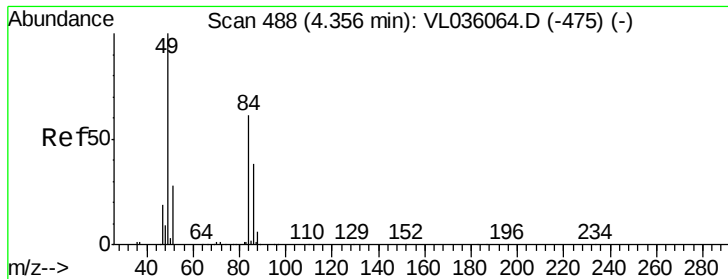
Tgt Ion: 43 Resp: 56460

Ion Ratio Lower Upper

43 100

58 49.1 20.9 31.3#





#20

Methylene Chloride

Concen: 0.232 ppbv

RT: 4.33 min Scan# 481

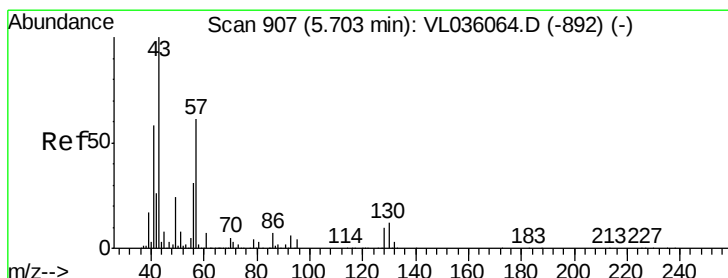
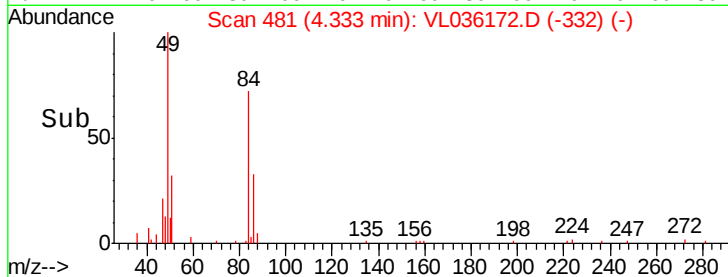
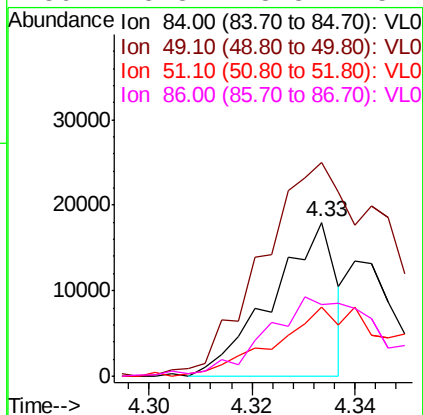
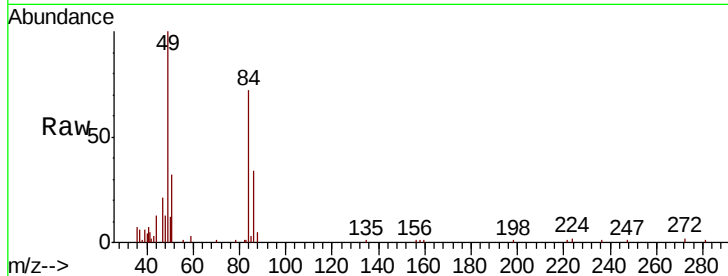
Delta R.T. -0.02 min

Lab File: VL036172.D

Acq: 16 Dec 2020 18:37

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	84	Resp:	15357
Ion	Ratio	Lower	Upper
84	100		
49	133.2	133.0	199.4
51	43.5	38.9	58.3
86	45.3	48.8	73.2#



#26

Hexane

Concen: 0.127 ppbv

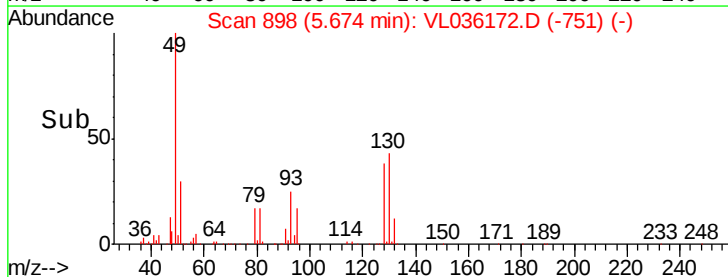
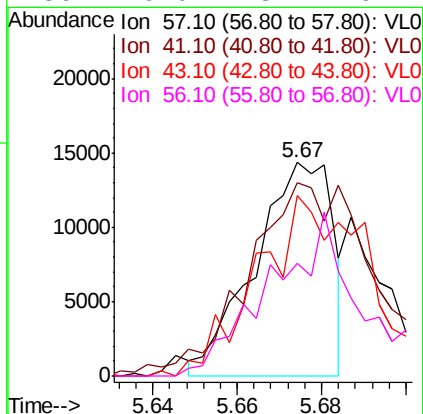
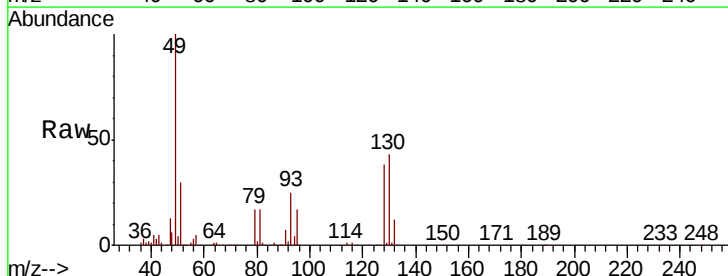
RT: 5.67 min Scan# 898

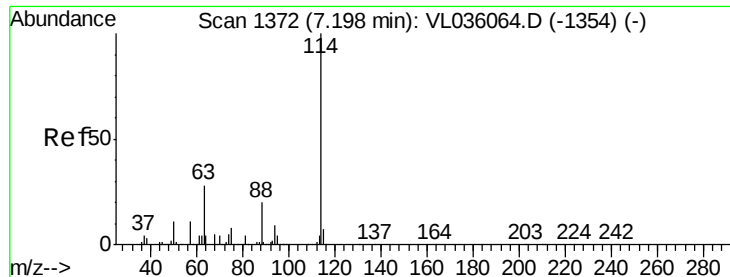
Delta R.T. -0.03 min

Lab File: VL036172.D

Acq: 16 Dec 2020 18:37

Tgt Ion:	57	Resp:	18420
Ion	Ratio	Lower	Upper
57	100		
41	158.0	82.9	124.3#
43	131.3	199.9	299.9#
56	0.0	43.1	64.7#

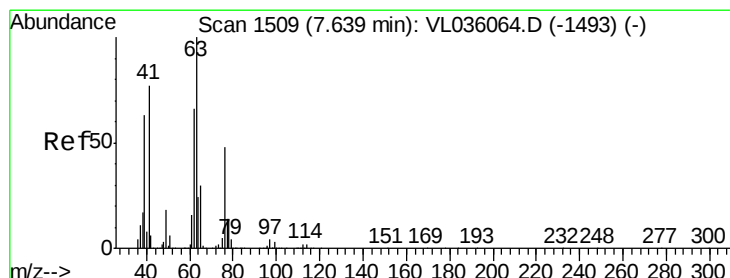
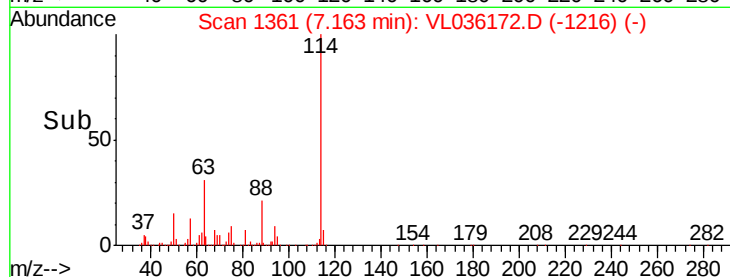
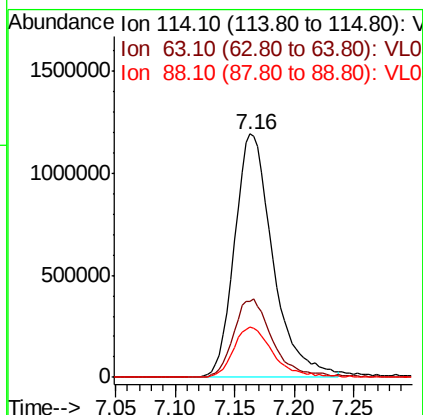
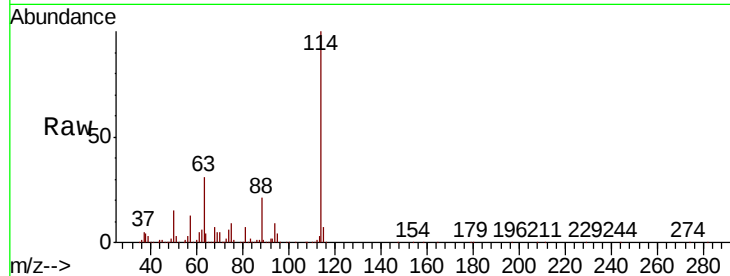




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.04 min
 Lab File: VL036172.D
 Acq: 16 Dec 2020 18:37

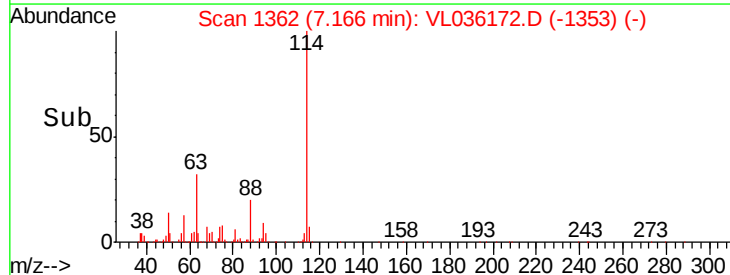
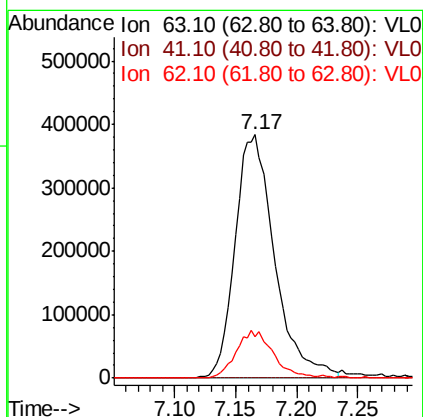
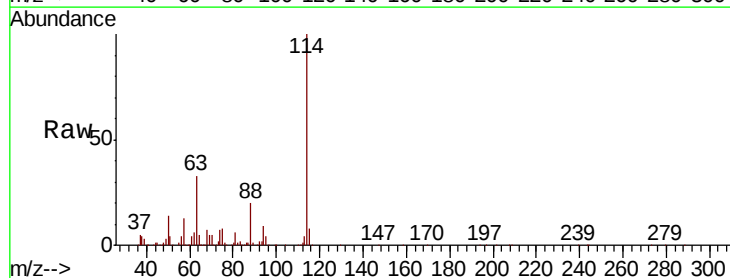
Instrument :
 MSVOA_L
 ClientSampleId :

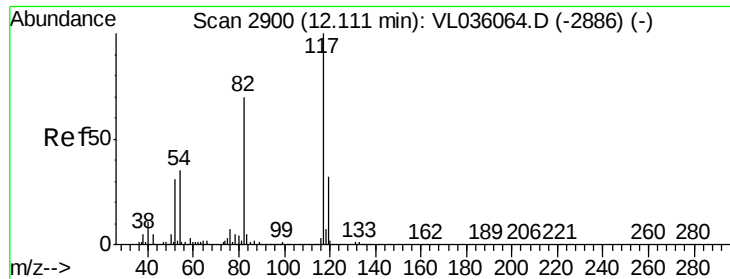
Tot Ion:114 Resp: 2662569
 Ion Ratio Lower Upper
 114 100
 63 32.9 23.6 35.4
 88 21.2 15.8 23.6



#39
 1,2-Dichloropropane
 Concen: 9.659 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.47 min
 Lab File: VL036172.D
 Acq: 16 Dec 2020 18:37

Tgt Ion: 63 Resp: 860692
 Ion Ratio Lower Upper
 63 100
 41 0.0 61.9 92.9#
 62 17.1 52.5 78.7#

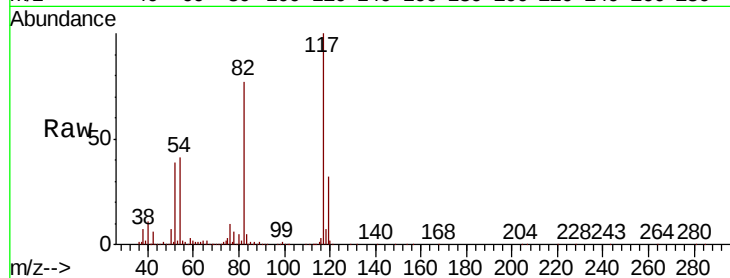




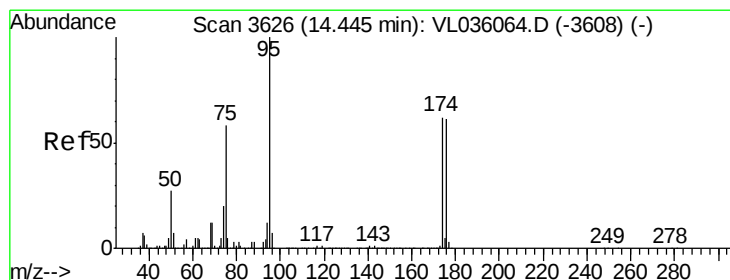
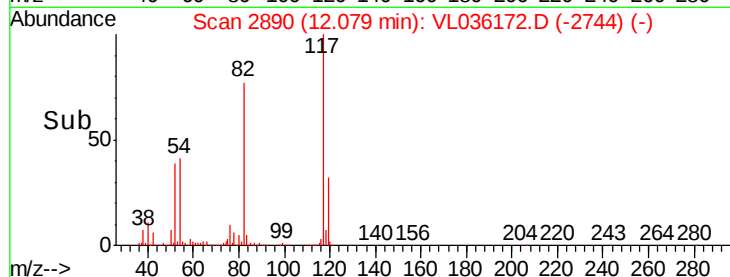
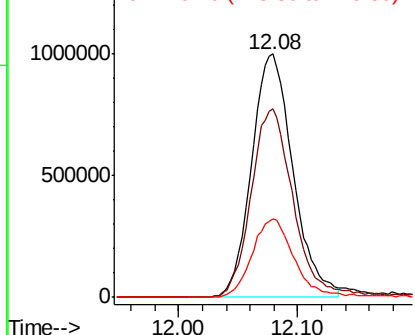
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.03 min
Lab File: VL036172.D
Acq: 16 Dec 2020 18:37

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:117 Resp: 2398415
Ion Ratio Lower Upper
117 100
82 80.6 0.0 0.0#
119 33.5 0.0 0.0#

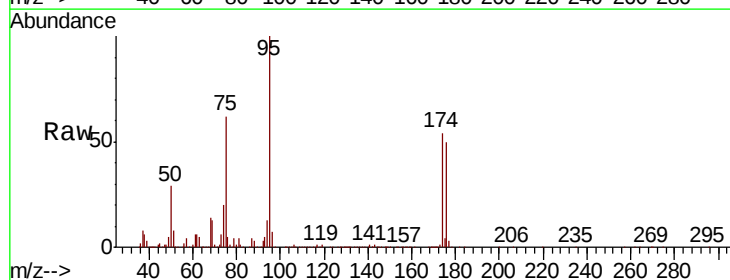


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 11.167 ppbv
RT: 14.41 min Scan# 3614
Delta R.T. -0.04 min
Lab File: VL036172.D
Acq: 16 Dec 2020 18:37

Tgt Ion: 95 Resp: 2126612
Ion Ratio Lower Upper
95 100
174 56.4 50.7 76.1
175 4.1 4.0 6.0



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

