

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120820\
 Data File : VL036119.D
 Acq On : 9 Dec 2020 6:44
 Operator : SY/AP
 Sample : L4948-13DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2BDL

Quant Time: Dec 09 07:25:18 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	5.67	49	1158764	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.18	114	2303327	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2065231	10.00	ppbv	-0.01

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	1765880	10.77	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.70%

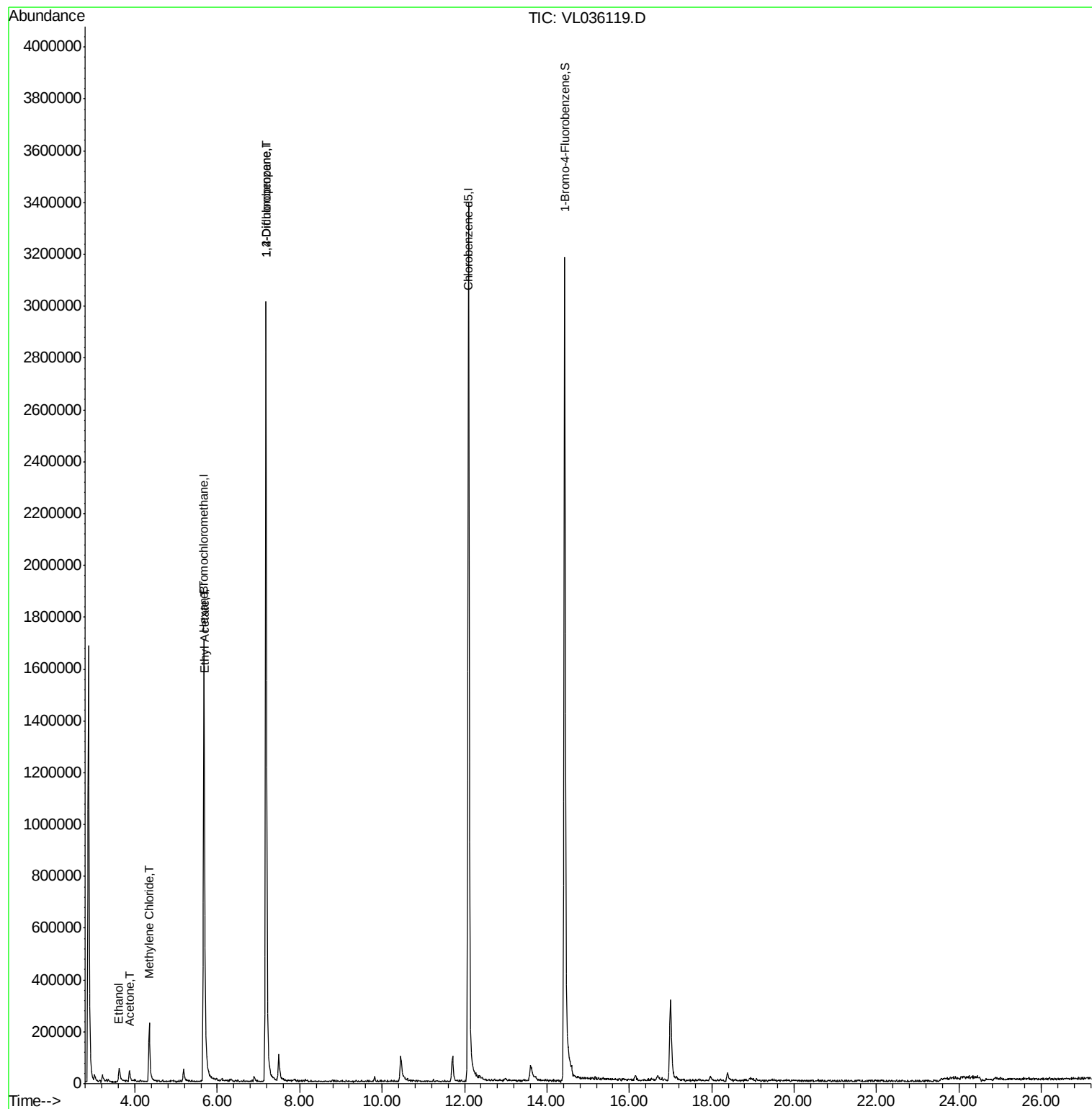
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
13) Ethanol	3.61	45	22246	2.437	ppbv #	29
15) Acetone	3.86	43	40838	0.293	ppbv #	54
20) Methylene Chloride	4.35	84	85453	1.497	ppbv	97
25) Ethyl Acetate	5.69	43	37442	0.135	ppbv #	79
26) Hexane	5.69	57	20887	0.167	ppbv #	35
39) 1,2-Dichloropropane	7.18	63	710688	9.219	ppbv #	24

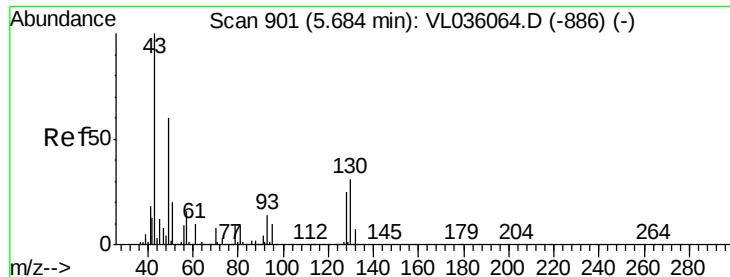
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 897

Delta R.T. -0.01 min

Lab File: VL036119.D

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Instrument :

MSVOA_L

ClientSampleId :

SS-2BDL

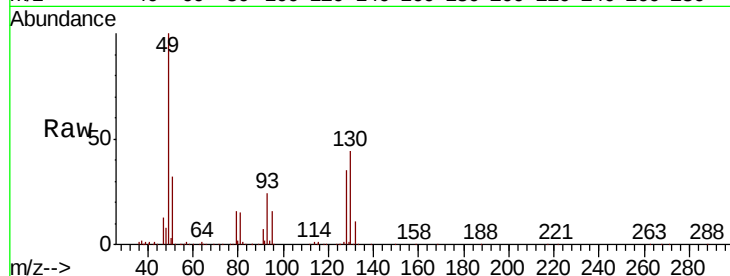
Tot Ion: 49 Resp: 1158764

Ion Ratio Lower Upper

49 100

128 36.1 21.1 63.1

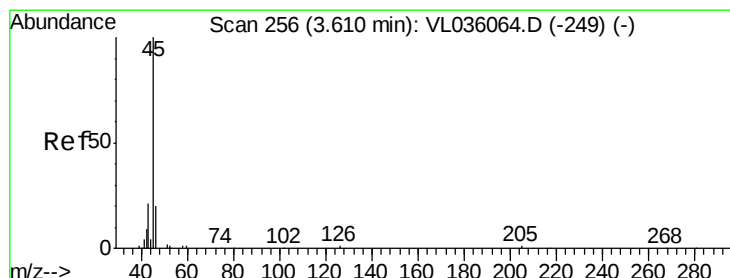
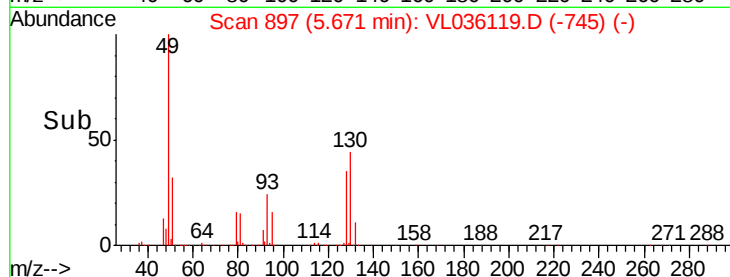
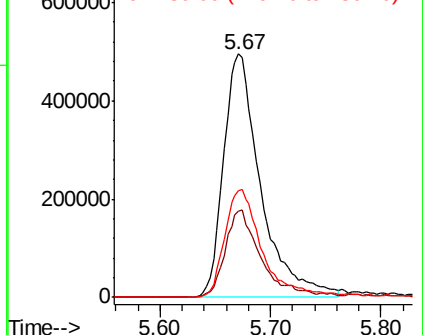
130 45.6 27.1 81.3



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



#13

Ethanol

Concen: 2.437 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036119.D

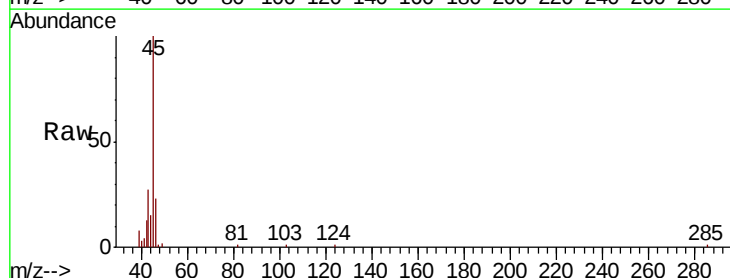
Acq: 9 Dec 2020 6:44

Tgt Ion: 45 Resp: 22246

Ion Ratio Lower Upper

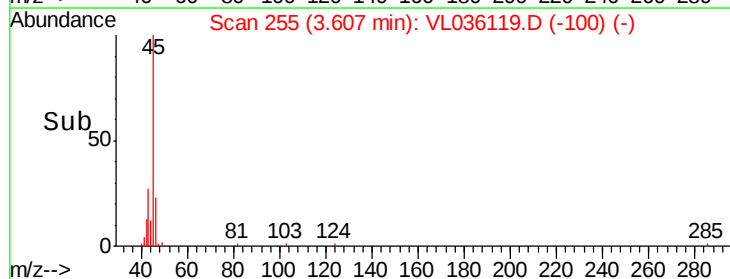
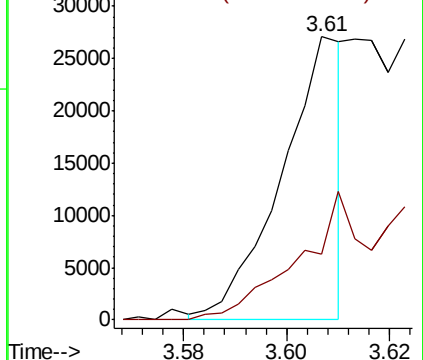
45 100

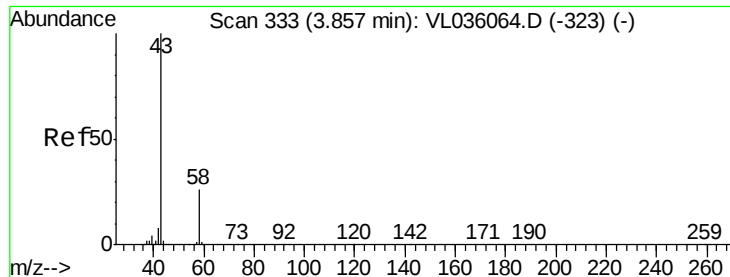
46 0.0 19.0 75.8#



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0





#15

Acetone

Concen: 0.293 ppbv

RT: 3.86 min Scan# 335

Delta R.T. 0.01 min

Lab File: VL036119.D

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ClientSampleId :

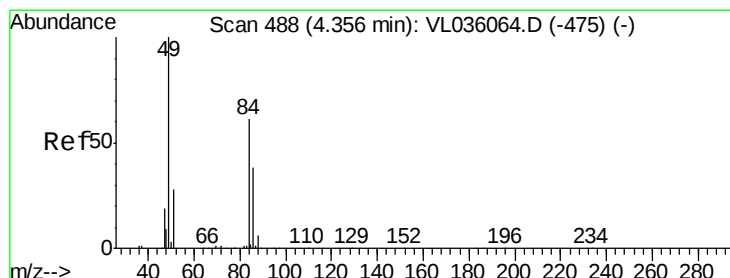
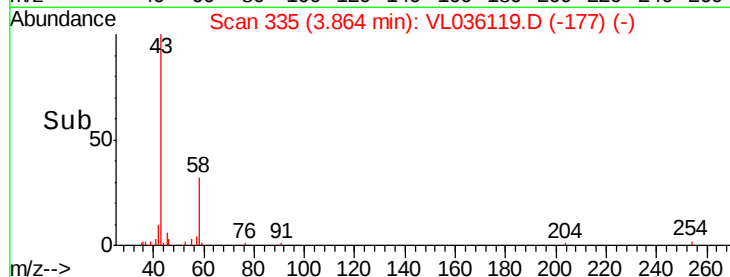
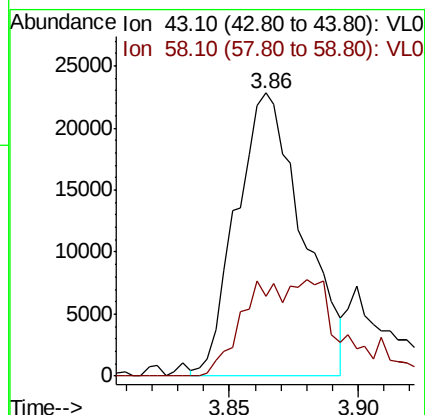
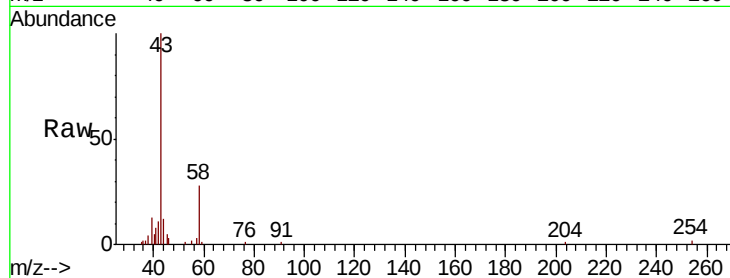
SS-2BDL

Tot Ion: 43 Resp: 40838

Ion Ratio Lower Upper

43 100

58 49.8 20.9 31.3#



#20

Methylene Chloride

Concen: 1.497 ppbv

RT: 4.35 min Scan# 486

Delta R.T. -0.01 min

Lab File: VL036119.D

Acq: 9 Dec 2020 6:44

Tgt Ion: 84 Resp: 85453

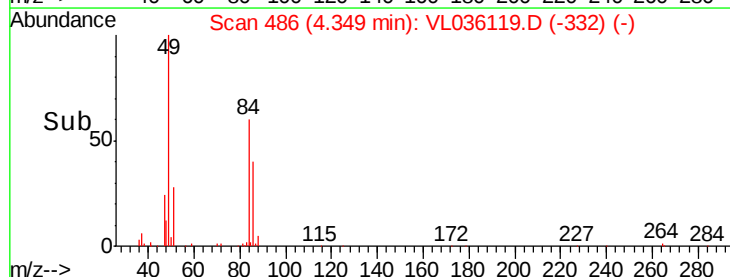
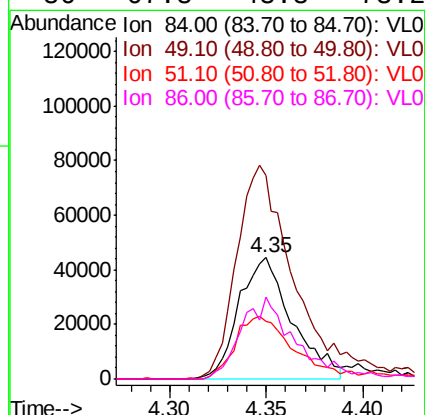
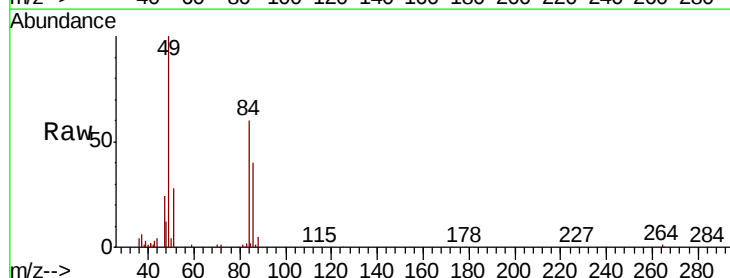
Ion Ratio Lower Upper

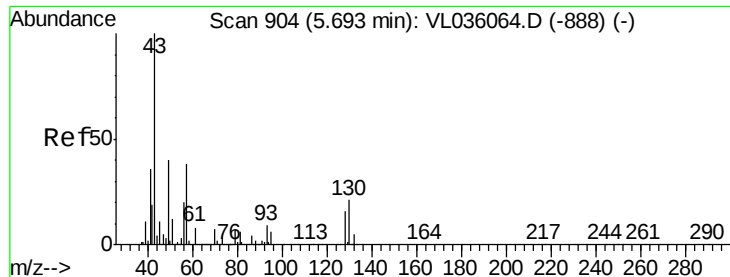
84 100

49 167.5 133.0 199.4

51 46.9 38.9 58.3

86 67.8 48.8 73.2

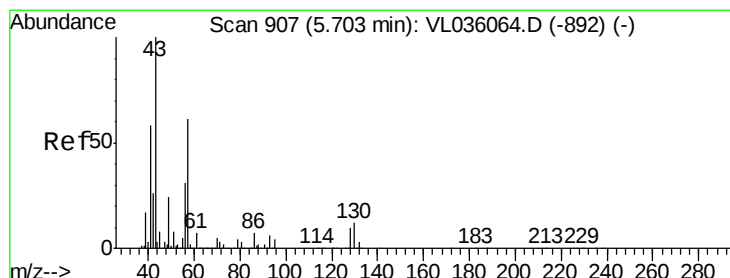
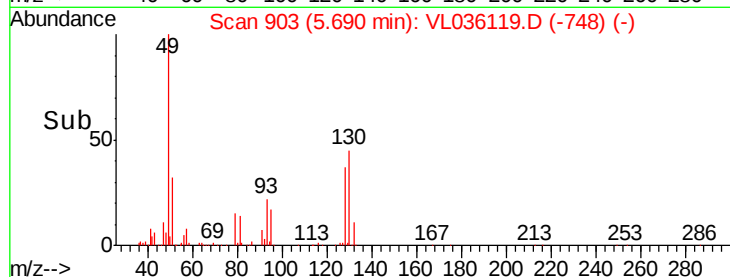
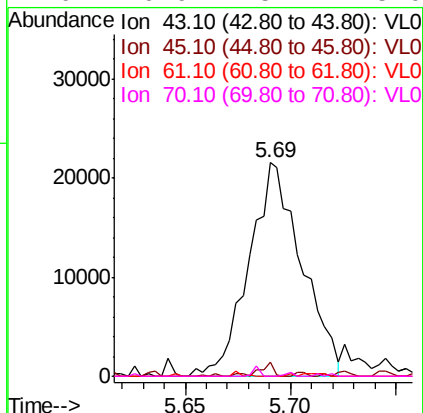
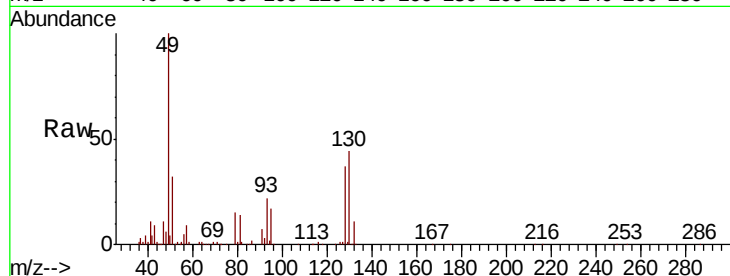




#25
Ethyl Acetate
Concen: 0.135 ppbv
RT: 5.69 min Scan# 903
Delta R.T. -0.00 min
Lab File: VL036119.D
Acq: 9 Dec 2020 6:44

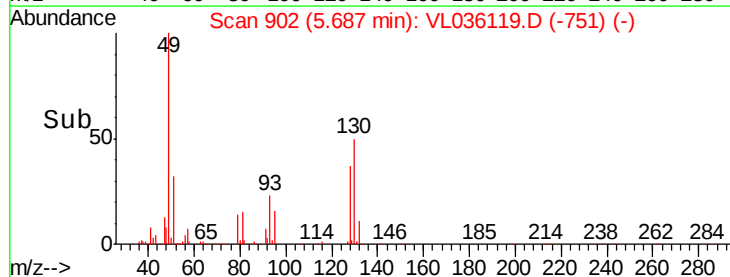
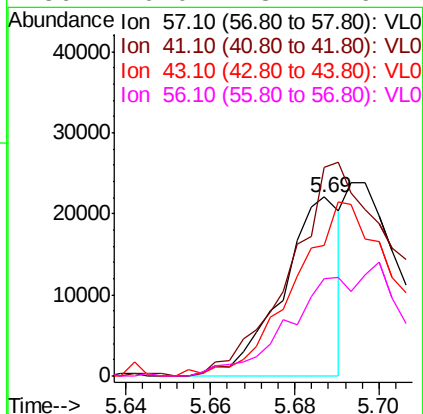
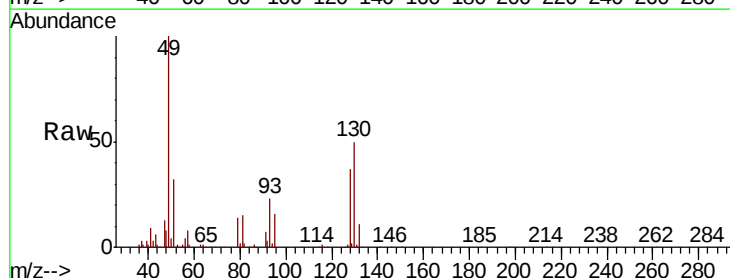
Instrument :
MSVOA_L
ClientSampleId :
SS-2BDL

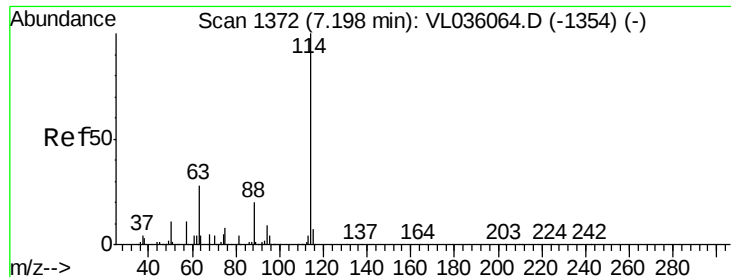
Tot Ion:	43	Resp:	37442
Ion	Ratio	Lower	Upper
43	100		
45	2.3	8.2	12.4#
61	0.4	7.4	11.2#
70	0.9	5.4	8.0#



#26
Hexane
Concen: 0.167 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.02 min
Lab File: VL036119.D
Acq: 9 Dec 2020 6:44

Tgt Ion:	57	Resp:	20887
Ion	Ratio	Lower	Upper
57	100		
41	248.2	82.9	124.3#
43	194.9	199.9	299.9#
56	0.0	43.1	64.7#

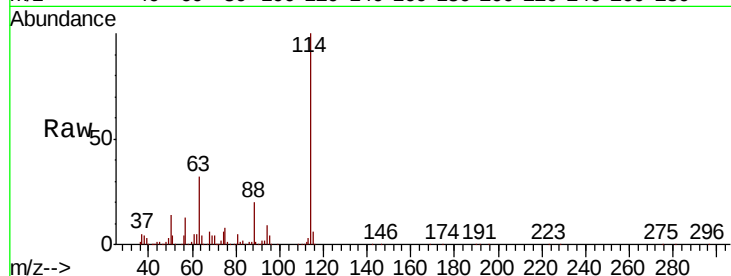




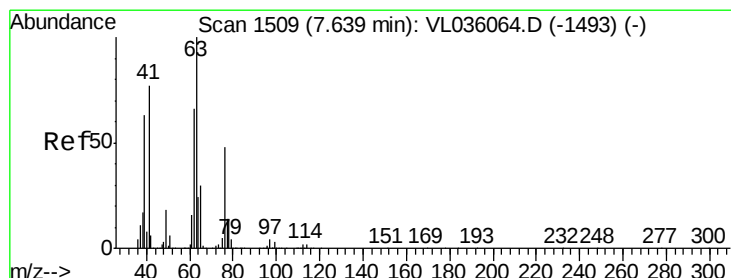
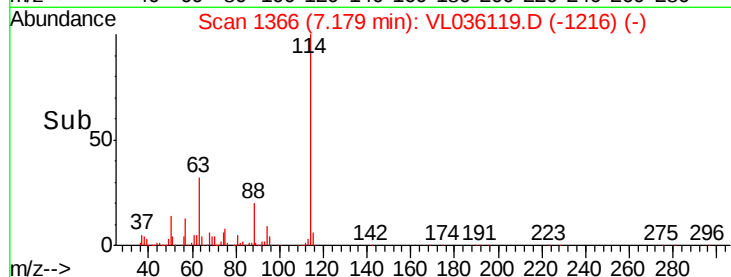
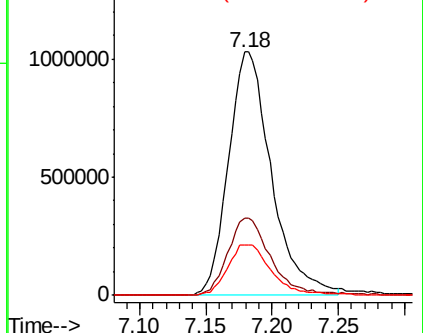
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.02 min
 Lab File: VL036119.D
 Acq: 9 Dec 2020 6:44

Instrument :
 MSVOA_L
 ClientSampleId :
 SS-2BDL

Tot Ion:114 Resp: 2303327
 Ion Ratio Lower Upper
 114 100
 63 32.5 23.6 35.4
 88 21.7 15.8 23.6

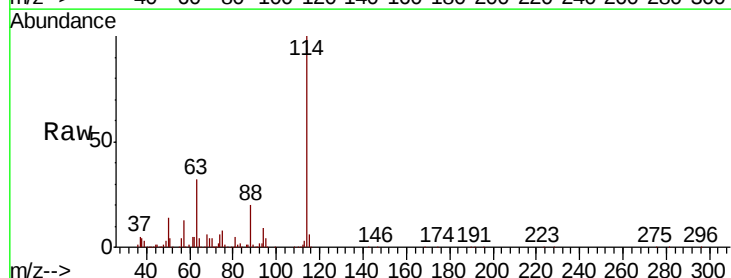


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

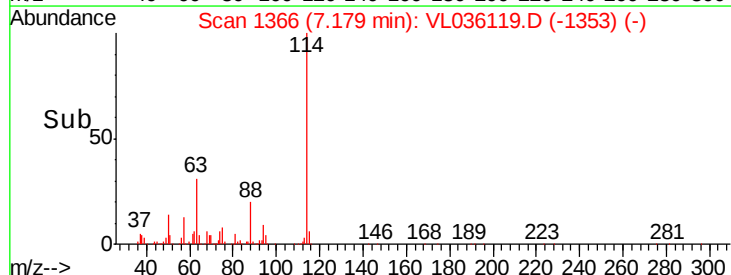
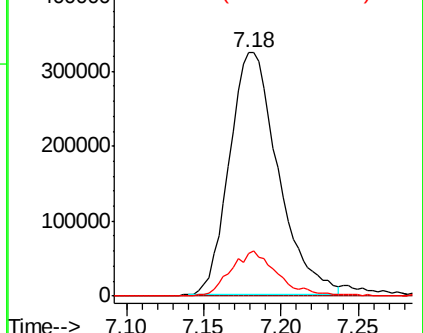


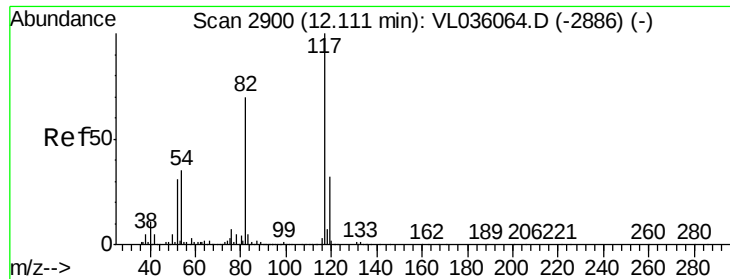
#39
 1,2-Dichloropropane
 Concen: 9.219 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T. -0.46 min
 Lab File: VL036119.D
 Acq: 9 Dec 2020 6:44

Tgt Ion: 63 Resp: 710688
 Ion Ratio Lower Upper
 63 100
 41 0.2 61.9 92.9#
 62 17.5 52.5 78.7#



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

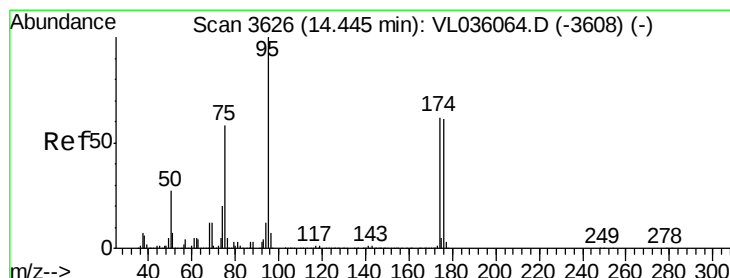
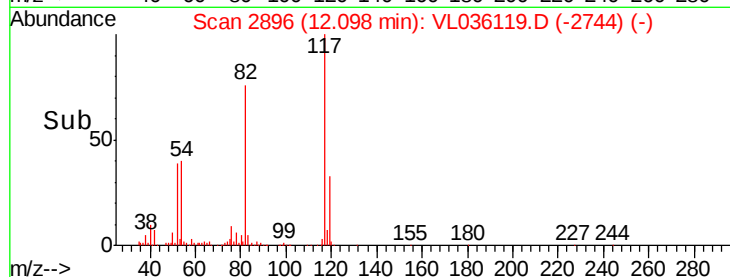
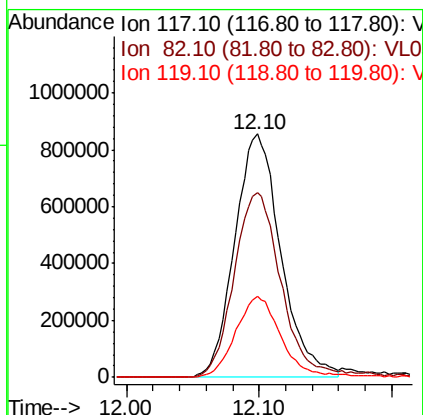
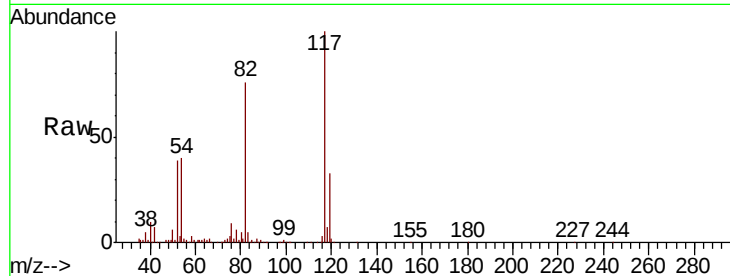




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.01 min
Lab File: VL036119.D
Acq: 9 Dec 2020 6:44

Instrument :
MSVOA_L
ClientSampleId :
SS-2BDL

Tot Ion:117 Resp: 2065231
Ion Ratio Lower Upper
117 100
82 80.6 0.0 0.0#
119 33.7 0.0 0.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 10.768 ppbv
RT: 14.43 min Scan# 3622
Delta R.T. -0.01 min
Lab File: VL036119.D
Acq: 9 Dec 2020 6:44

Tgt Ion: 95 Resp: 1765880
Ion Ratio Lower Upper
95 100
174 57.8 50.7 76.1
175 3.8 4.0 6.0#

