

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL011321\
 Data File : VL036225.D
 Acq On : 13 Jan 2021 14:31
 Operator : SY/AP
 Sample : M1066-09 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS6DL

Quant Time: Jan 13 22:07:17 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL011321AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jan 13 07:53:51 2021
 QLast Update : Wed Jan 13 07:53:51 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1557886	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3239362	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	2916023	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2439856	10.11	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.10%

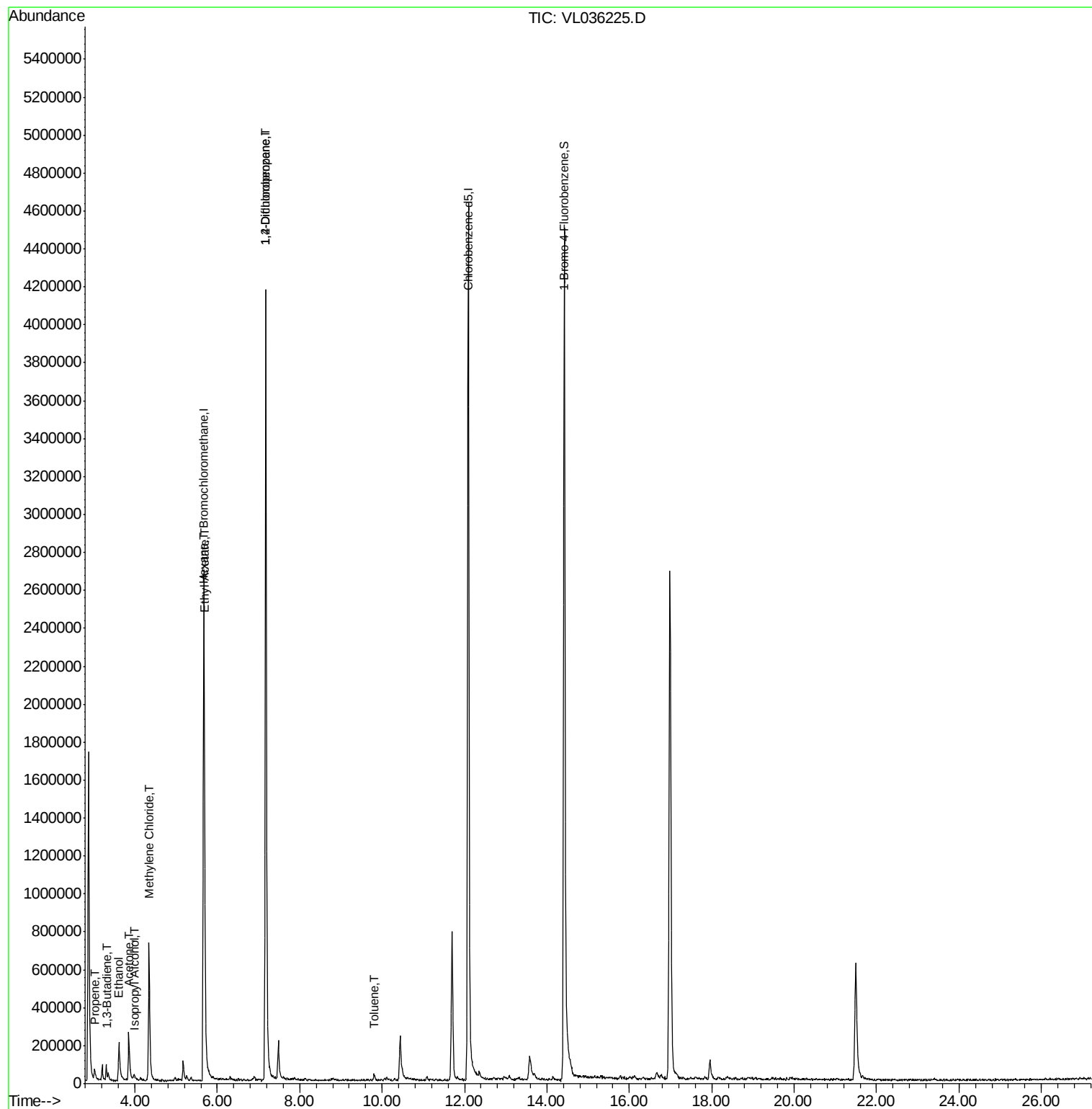
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.02	41	11439	0.124	ppbv	88
13) Ethanol	3.61	45	288846	14.936	ppbv	87
15) Acetone	3.85	43	299343	1.618	ppbv	90
16) 1,3-Butadiene	3.33	39	2884	0.033	ppbv	88
19) Isopropyl Alcohol	3.97	45	10088	0.094	ppbv #	1
20) Methylene Chloride	4.34	84	265509	4.686	ppbv	98
25) Ethyl Acetate	5.69	43	228821	0.607	ppbv #	76
26) Hexane	5.69	57	317817	2.017	ppbv #	36
39) 1,2-Dichloropropane	7.18	63	983131	8.158	ppbv #	21
53) Toluene	9.80	91	13151	0.040	ppbv #	16

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. 0.01 min

Lab File: VL036225.D

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0121-SS6DL

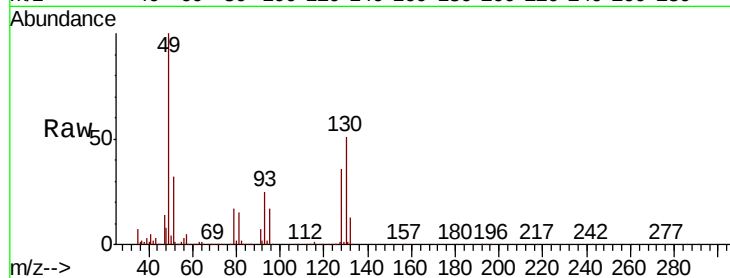
Tot Ion: 49 Resp: 1557886

Ion Ratio Lower Upper

49 100

128 38.9 20.1 60.2

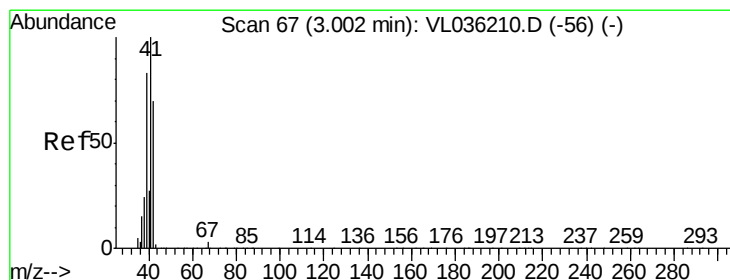
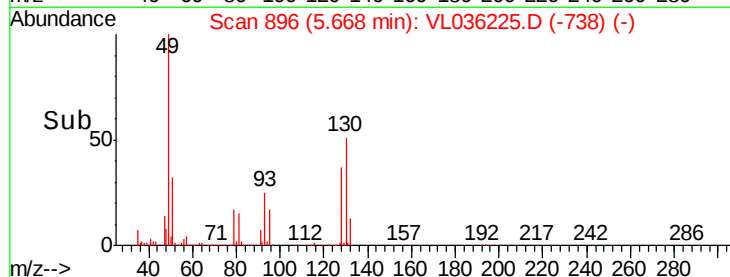
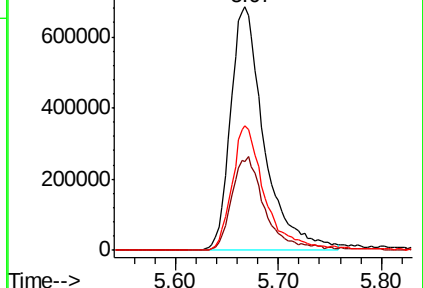
130 51.1 25.3 75.9



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



#9

Propene

Concen: 0.124 ppbv

RT: 3.02 min Scan# 73

Delta R.T. 0.02 min

Lab File: VL036225.D

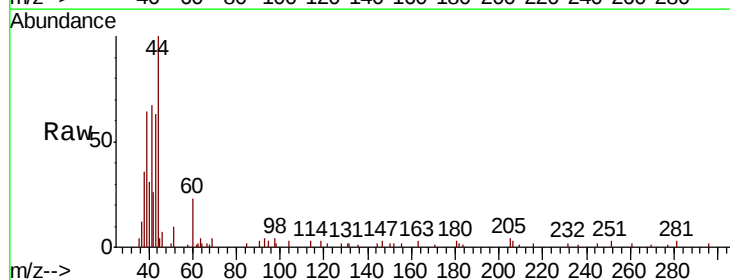
Acq: 13 Jan 2021 14:31

Tgt Ion: 41 Resp: 11439

Ion Ratio Lower Upper

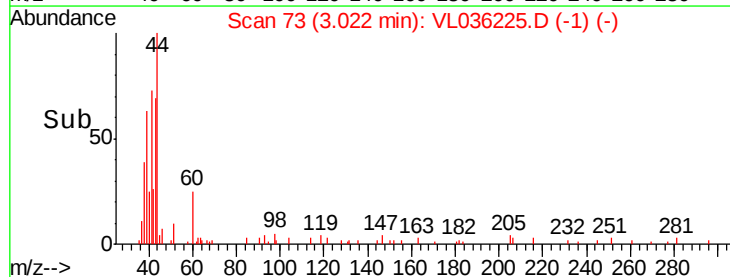
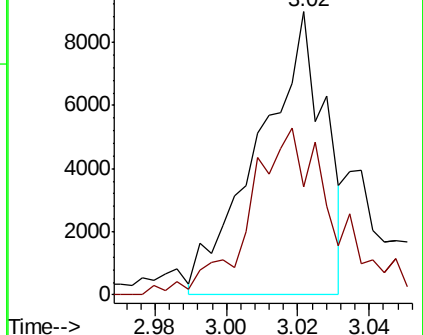
41 100

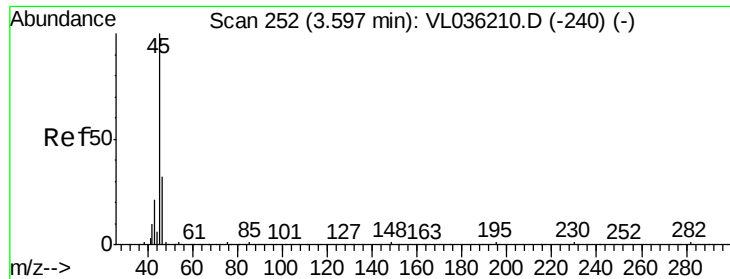
42 81.2 57.1 85.7



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 14.936 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.02 min

Lab File: VL036225.D

Acq: 13 Jan 2021 14:31

Instrument :

MSVOA_L

ClientSampleId :

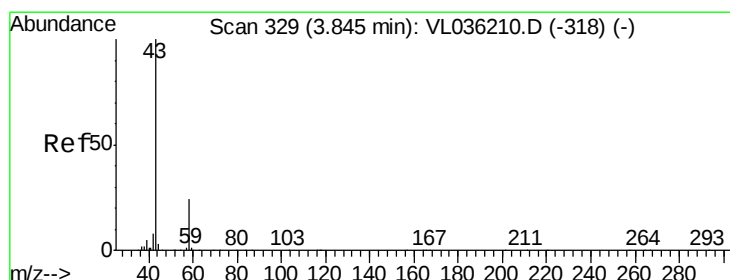
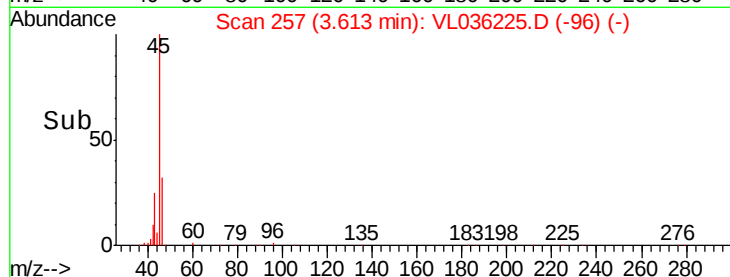
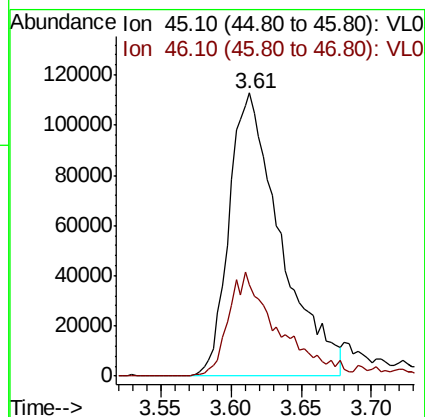
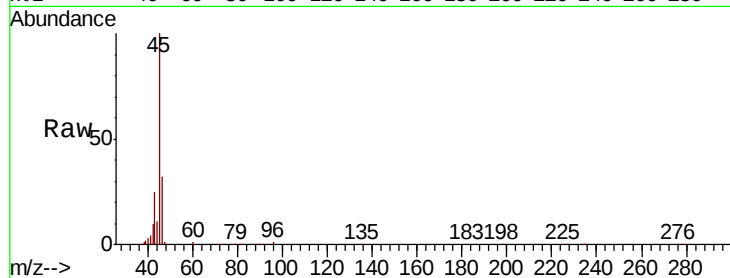
0121-SS6DL

Tot Ion: 45 Resp: 288846

Ion Ratio Lower Upper

45 100

46 39.0 19.2 77.0



#15

Acetone

Concen: 1.618 ppbv

RT: 3.85 min Scan# 331

Delta R.T. 0.01 min

Lab File: VL036225.D

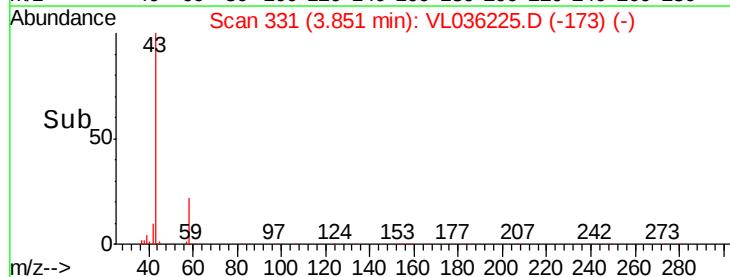
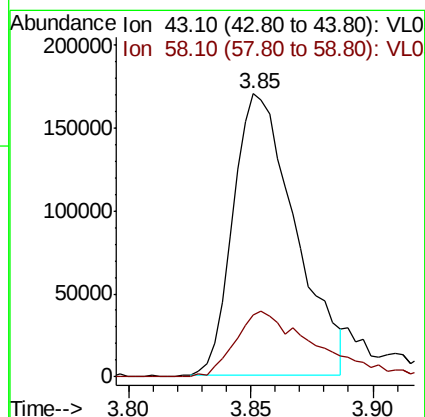
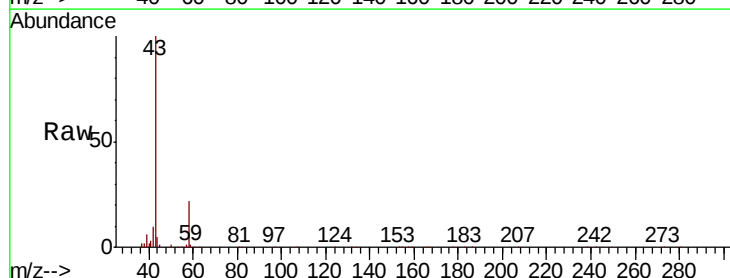
Acq: 13 Jan 2021 14:31

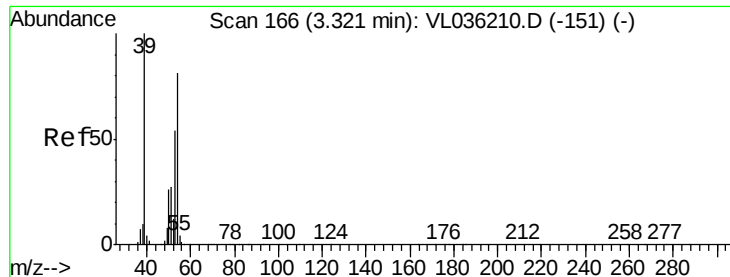
Tgt Ion: 43 Resp: 299343

Ion Ratio Lower Upper

43 100

58 31.2 20.9 31.3

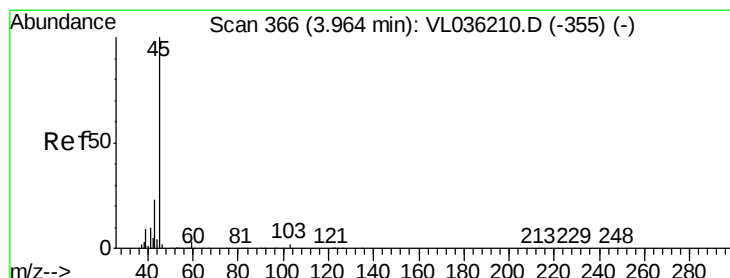
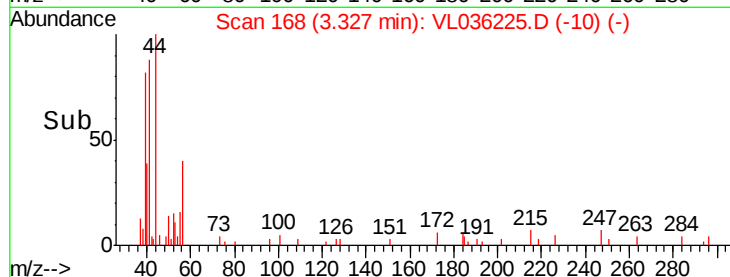
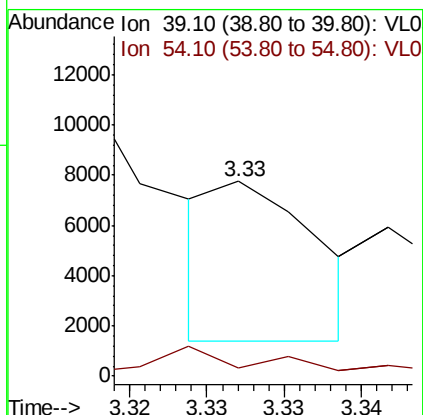
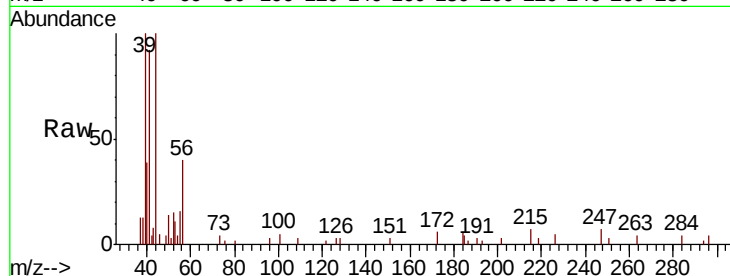




#16
 1,3-Butadiene
 Concen: 0.033 ppbv
 RT: 3.33 min Scan# 168
 Delta R.T. 0.01 min
 Lab File: VL036225.D
 Acq: 13 Jan 2021 14:31

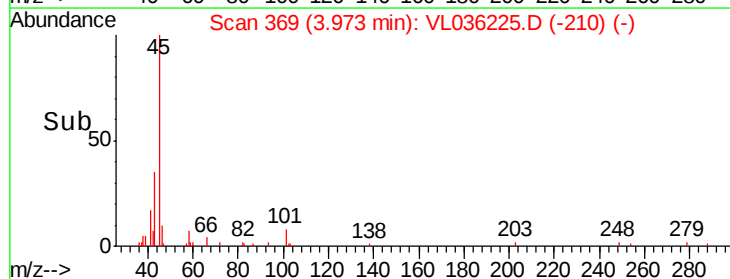
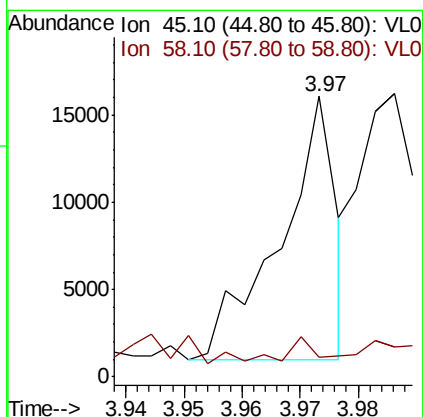
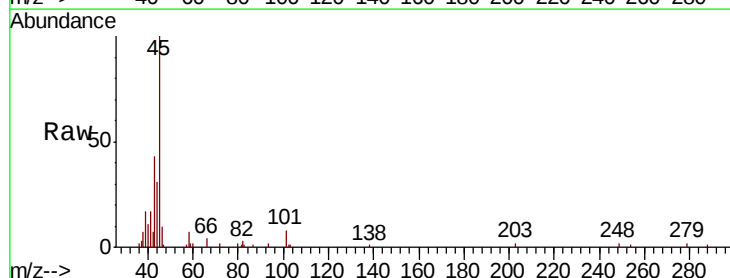
Instrument :
 MSVOA_L
 ClientSampleId :
 0121-SS6DL

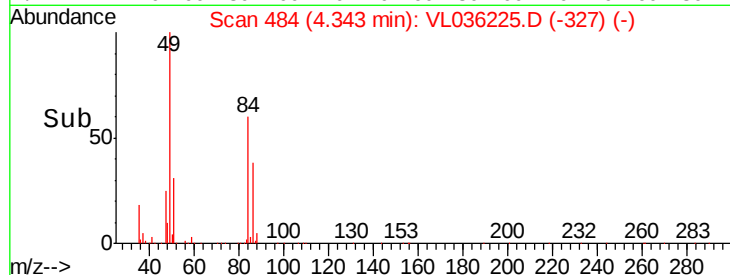
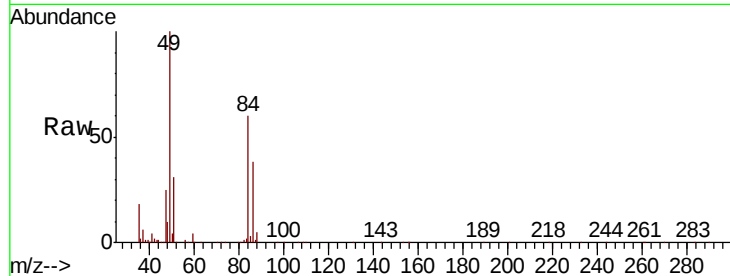
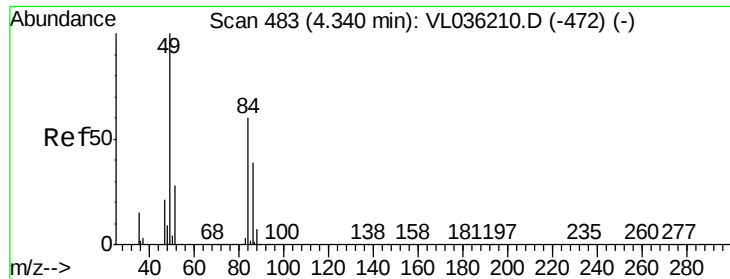
Tot Ion: 39 Resp: 2884
 Ion Ratio Lower Upper
 39 100
 54 67.5 62.5 93.7



#19
 Isopropyl Alcohol
 Concen: 0.094 ppbv
 RT: 3.97 min Scan# 369
 Delta R.T. 0.01 min
 Lab File: VL036225.D
 Acq: 13 Jan 2021 14:31

Tgt Ion: 45 Resp: 10088
 Ion Ratio Lower Upper
 45 100
 58 46.4 1.9 2.9#

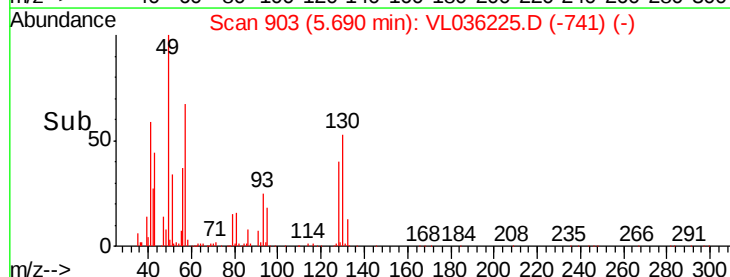
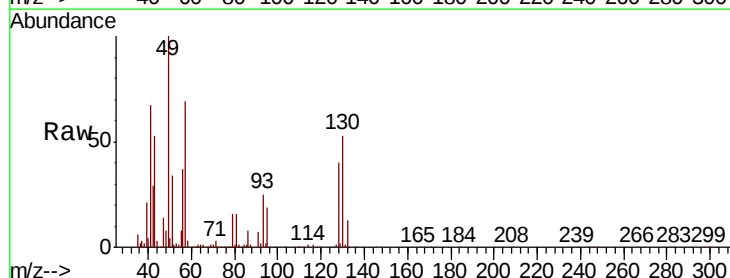
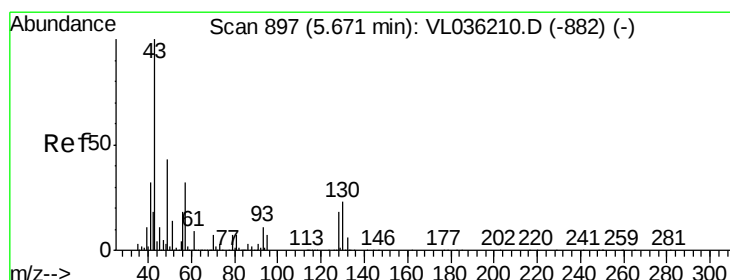
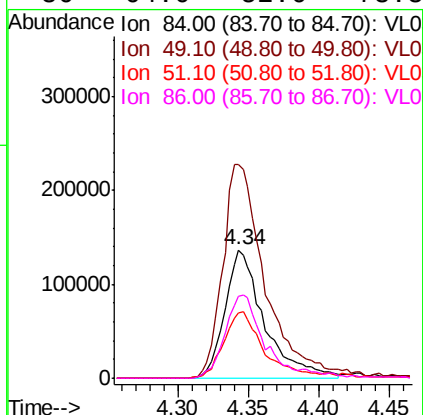




#20
Methylene Chloride
Concen: 4.686 ppbv
RT: 4.34 min Scan# 484
Delta R.T. 0.00 min
Lab File: VL036225.D
Acq: 13 Jan 2021 14:31

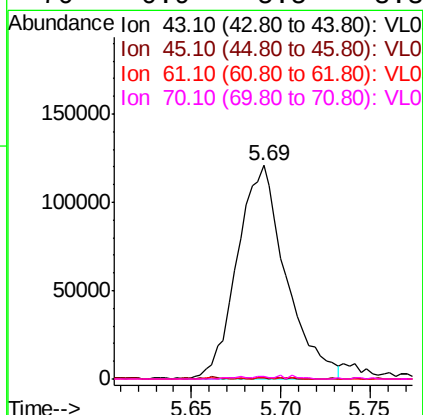
Instrument :
MSVOA_L
ClientSampleId :
0121-SS6DL

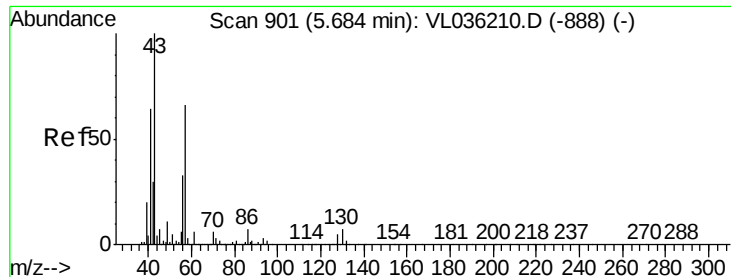
Tot Ion:	84	Resp:	265509
Ion	Ratio	Lower	Upper
84	100		
49	166.1	134.1	201.1
51	51.2	37.4	56.0
86	64.0	52.6	78.8



#25
Ethyl Acetate
Concen: 0.607 ppbv
RT: 5.69 min Scan# 903
Delta R.T. 0.02 min
Lab File: VL036225.D
Acq: 13 Jan 2021 14:31

Tgt Ion:	43	Resp:	228821
Ion	Ratio	Lower	Upper
43	100		
45	0.5	8.3	12.5#
61	0.0	7.4	11.2#
70	0.9	5.5	8.3#





#26

Hexane

Concen: 2.017 ppbv

RT: 5.69 min Scan# 902

Delta R.T. 0.00 min

Lab File: VL036225.D

Acq: 13 Jan 2021 14:31

Instrument :

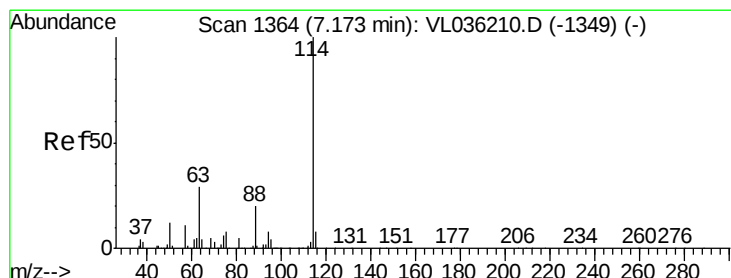
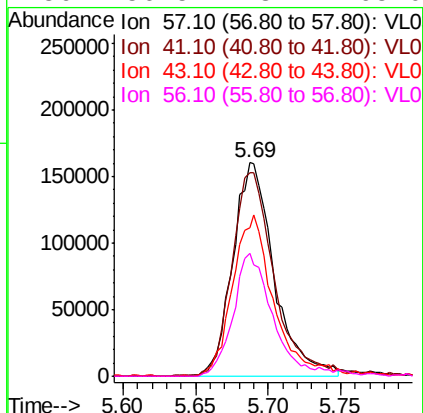
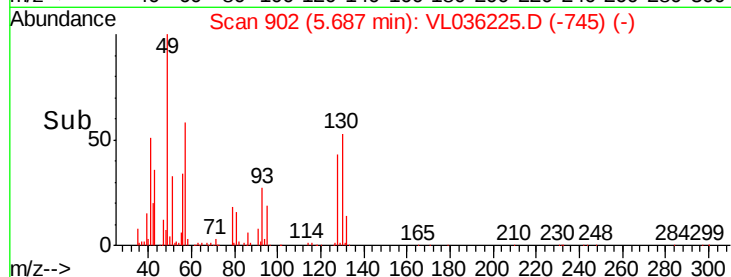
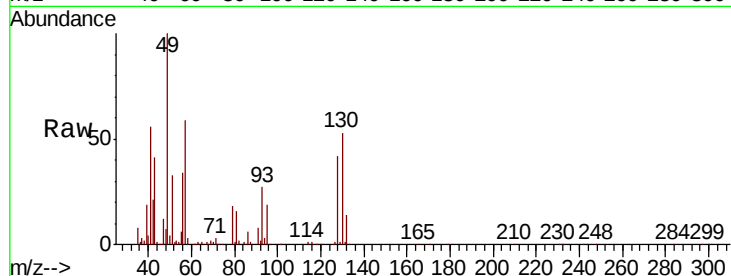
MSVOA_L

ClientSampleId :

0121-SS6DL

Tot Ion: 57 Resp: 317817

Ion	Ratio	Lower	Upper
57	100		
41	99.9	83.0	124.6
43	75.3	202.4	303.6#
56	56.5	43.4	65.0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.18 min Scan# 1365

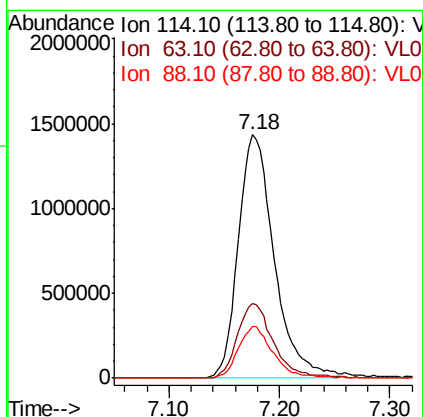
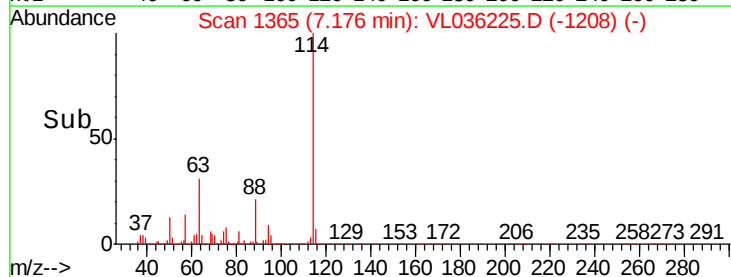
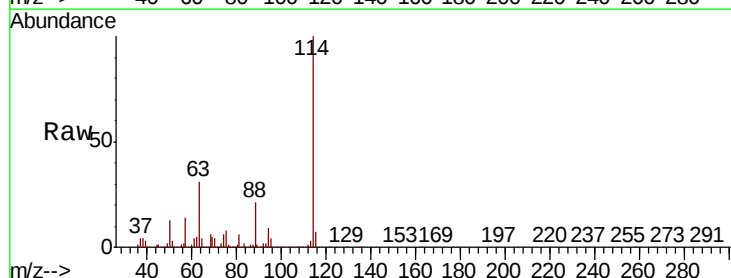
Delta R.T. 0.00 min

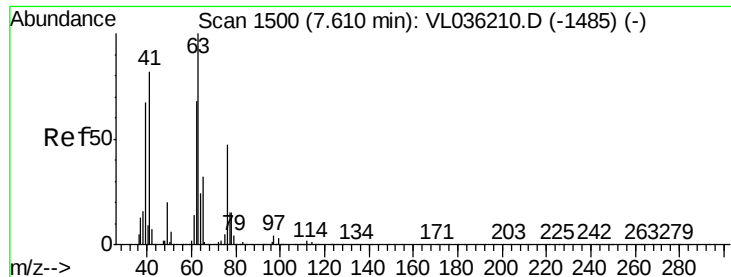
Lab File: VL036225.D

Acq: 13 Jan 2021 14:31

Tgt Ion: 114 Resp: 3239362

Ion	Ratio	Lower	Upper
114	100		
63	31.1	24.7	37.1
88	20.8	16.6	24.8

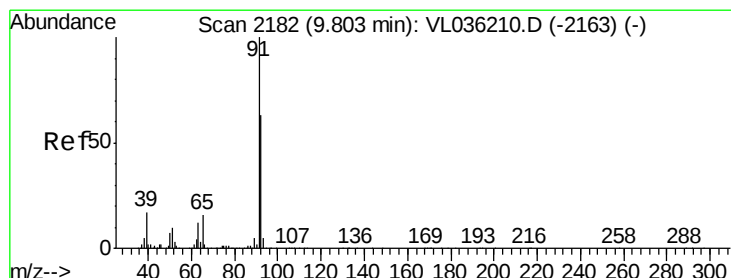
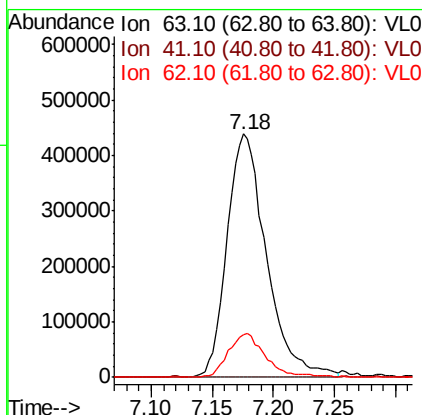
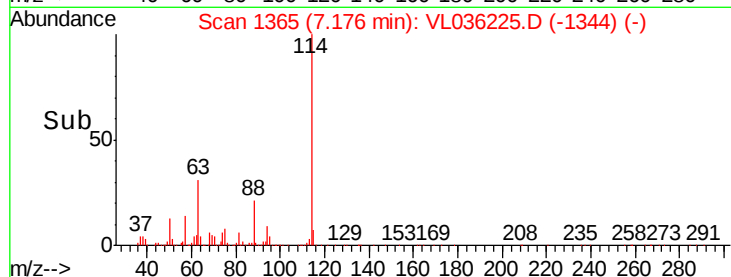
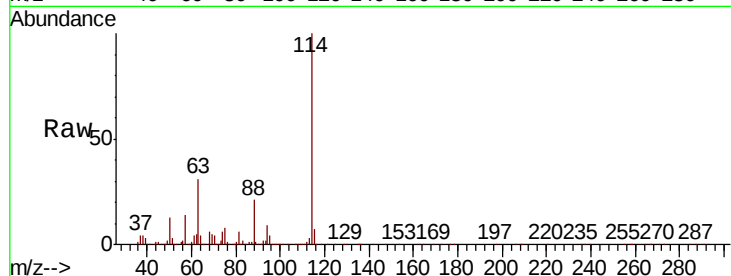




#39
 1,2-Dichloropropane
 Concen: 8.158 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.43 min
 Lab File: VL036225.D
 Acq: 13 Jan 2021 14:31

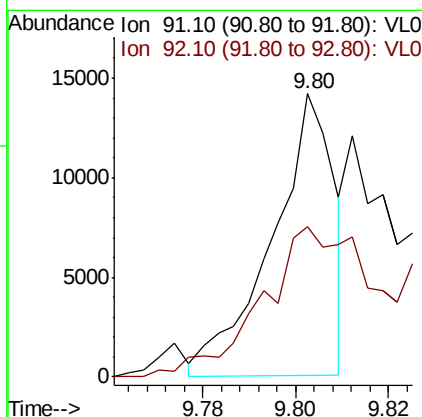
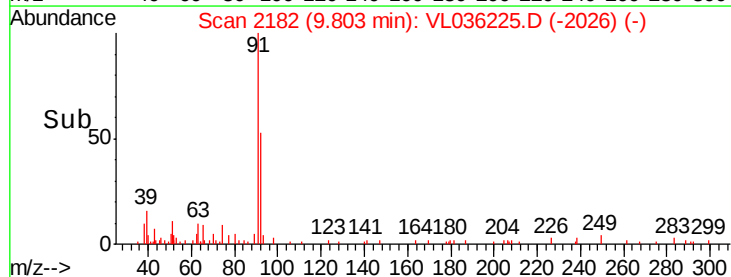
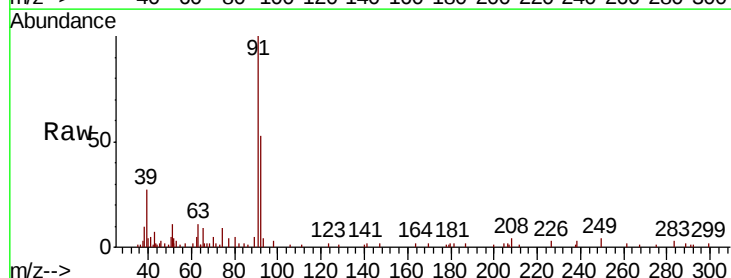
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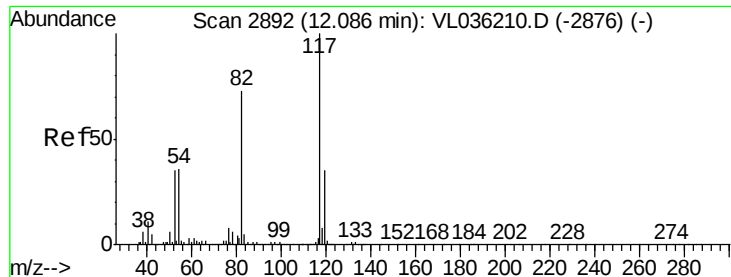
Tot Ion: 63 Resp: 983131
 Ion Ratio Lower Upper
 63 100
 41 0.0 66.1 99.1#
 62 17.7 54.8 82.2#



#53
 Toluene
 Concen: 0.040 ppbv
 RT: 9.80 min Scan# 2182
 Delta R.T. -0.00 min
 Lab File: VL036225.D
 Acq: 13 Jan 2021 14:31

Tgt Ion: 91 Resp: 13151
 Ion Ratio Lower Upper
 91 100
 92 124.8 48.5 72.7#

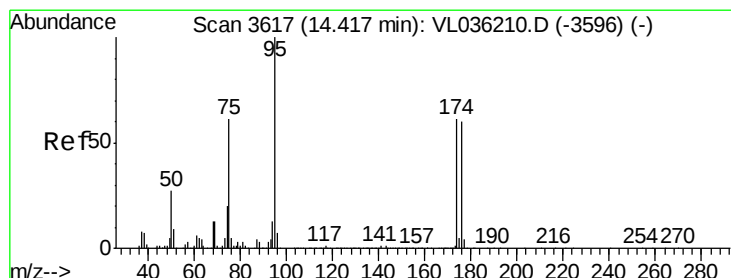
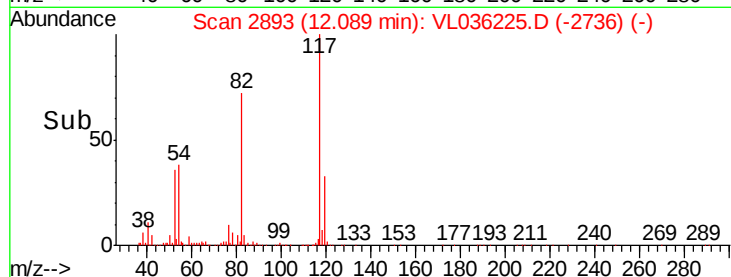
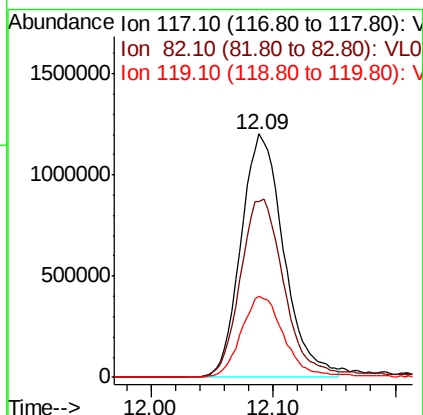
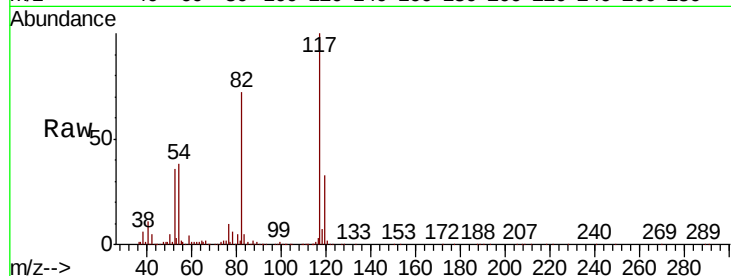




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. 0.00 min
Lab File: VL036225.D
Acq: 13 Jan 2021 14:31

Instrument :
MSVOA_L
ClientSampleId :
0121-SS6DL

Tot Ion:117 Resp: 2916023
Ion Ratio Lower Upper
117 100
82 78.2 59.7 89.5
119 34.1 28.6 43.0



#68
1-Bromo-4-Fluorobenzene
Concen: 10.109 ppbv
RT: 14.42 min Scan# 3619
Delta R.T. 0.01 min
Lab File: VL036225.D
Acq: 13 Jan 2021 14:31

Tgt Ion: 95 Resp: 2439856
Ion Ratio Lower Upper
95 100
174 63.1 49.4 74.0
175 4.6 3.8 5.8

