

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL121620\
 Data File : VL036175.D
 Acq On : 16 Dec 2020 20:31
 Operator : SY/AP
 Sample : L5041-01DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Dec 17 03:41:14 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	5.66	49	1397715	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2813468	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.09	117	2526408	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2237093	11.15	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	111.50%

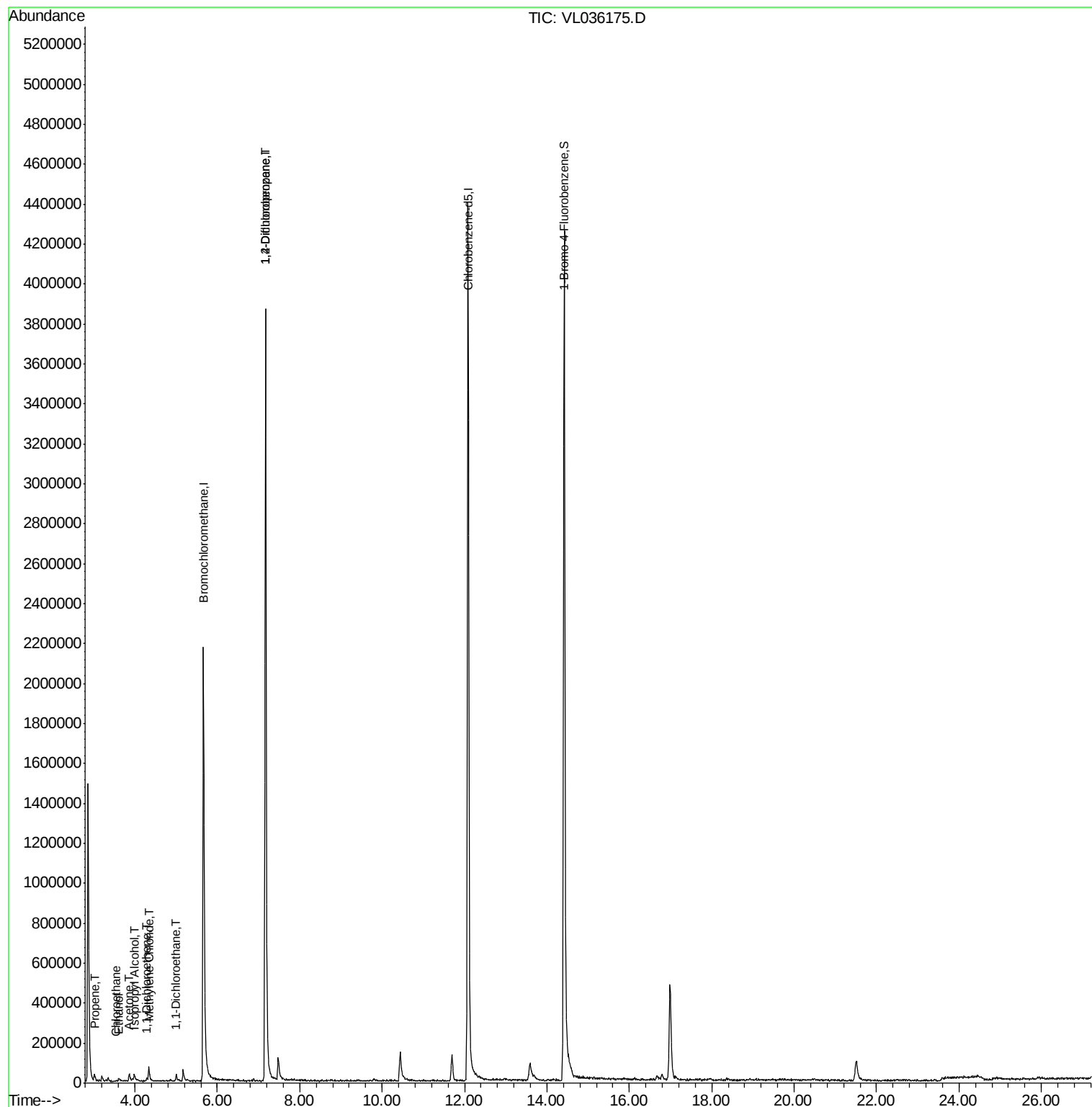
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.56	64	1972	0.066	ppbv #	61
9) Propene	3.01	41	3980	0.050	ppbv #	32
13) Ethanol	3.61	45	3245	0.295	ppbv #	1
15) Acetone	3.86	43	26258	0.156	ppbv #	49
18) 1,1-Dichloroethene	4.29	96	2209	0.038	ppbv #	29
19) Isopropyl Alcohol	3.98	45	27084	0.264	ppbv #	100
20) Methylene Chloride	4.34	84	14991	0.218	ppbv	94
24) 1,1-Dichloroethane	5.00	63	30591	0.194	ppbv	97
39) 1,2-Dichloropropane	7.17	63	925723	9.831	ppbv #	25

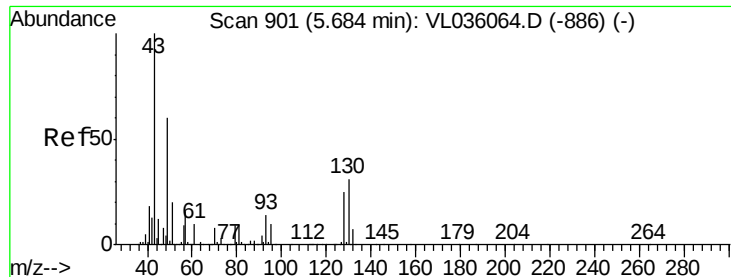
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Dec 07 16:56:49 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

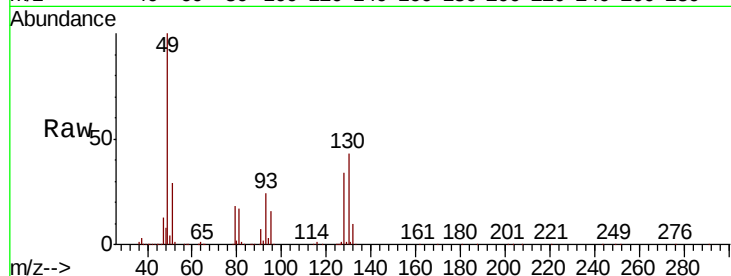
Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1397715

Ion	Ratio	Lower	Upper
49	100		
128	36.4	21.1	63.1
130	47.4	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

5.66

800000

600000

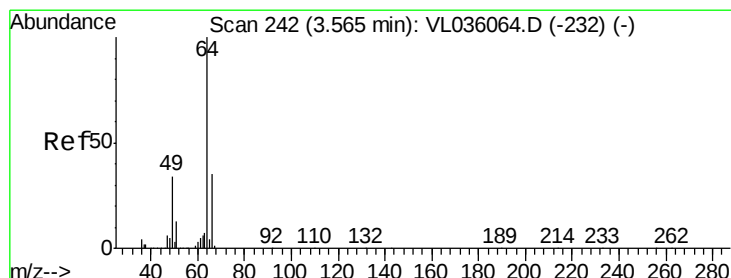
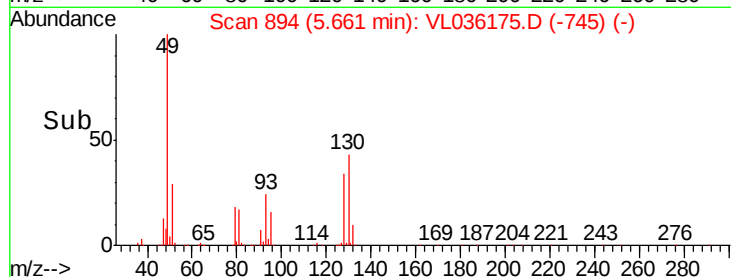
400000

200000

0

Time-->

5.60 5.65 5.70 5.75



#7

Chloroethane

Concen: 0.066 ppbv

RT: 3.56 min Scan# 239

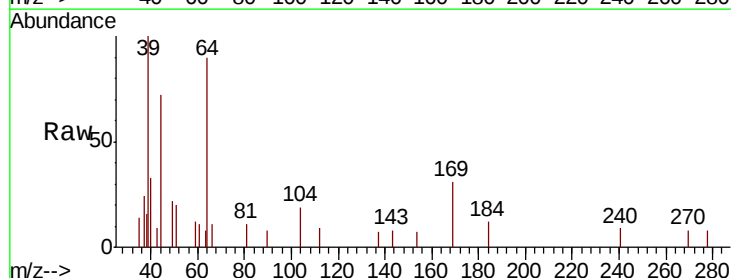
Delta R.T. -0.01 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Tgt Ion: 64 Resp: 1972

Ion	Ratio	Lower	Upper
64	100		
66	12.3	27.7	41.5#



Abundance Ion 64.10 (63.80 to 64.80): VL0

Ion 66.10 (65.80 to 66.80): VL0

3.56

2000

1500

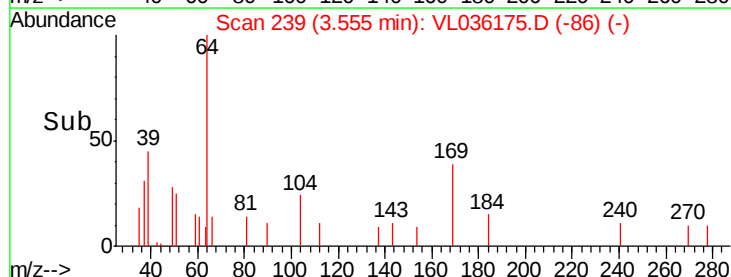
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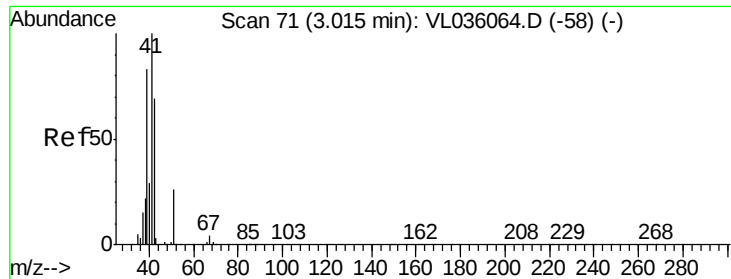
500

0

Time-->

3.52 3.54 3.56





#9

Propene

Concen: 0.050 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.01 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :

MSVOA_L

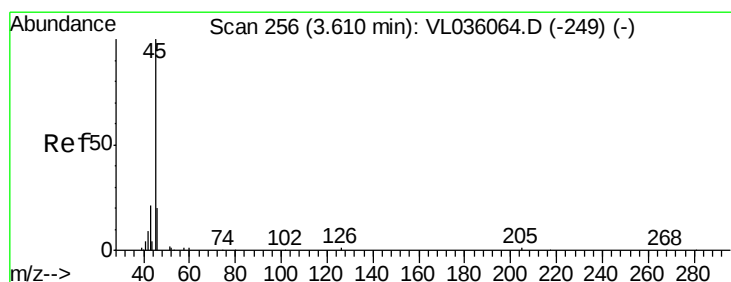
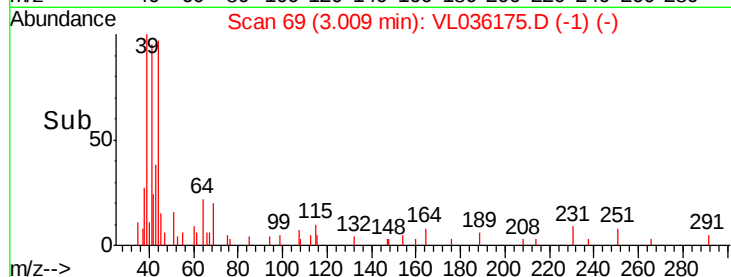
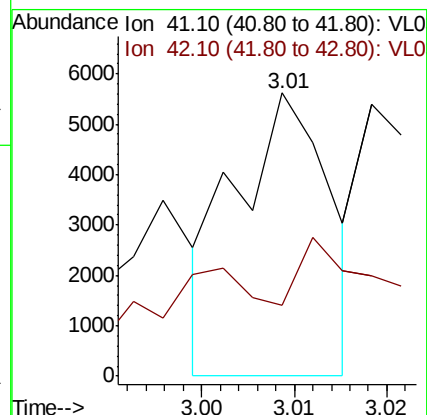
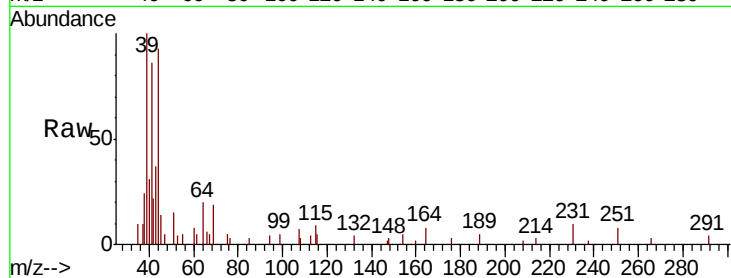
ClientSampleId :

Tot Ion: 41 Resp: 3980

Ion Ratio Lower Upper

41 100

42 127.5 57.0 85.6#



#13

Ethanol

Concen: 0.295 ppbv

RT: 3.61 min Scan# 257

Delta R.T. 0.00 min

Lab File: VL036175.D

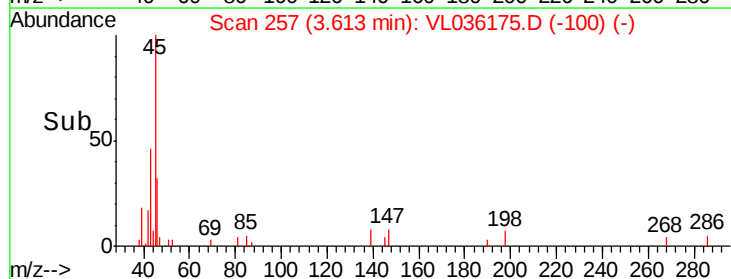
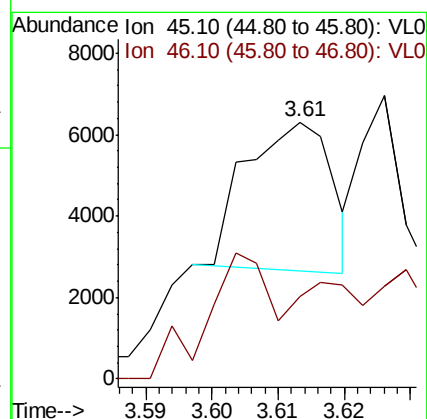
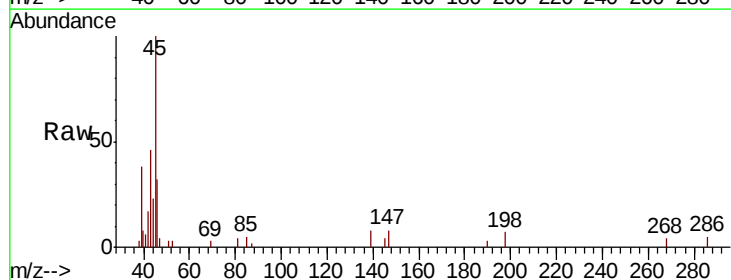
Acq: 16 Dec 2020 20:31

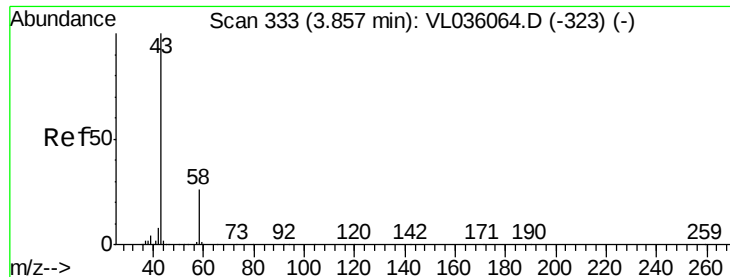
Tgt Ion: 45 Resp: 3245

Ion Ratio Lower Upper

45 100

46 210.3 19.0 75.8#

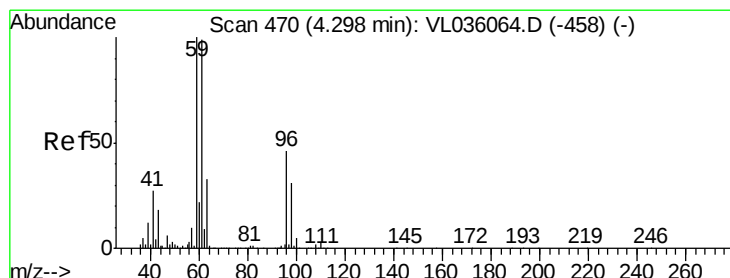
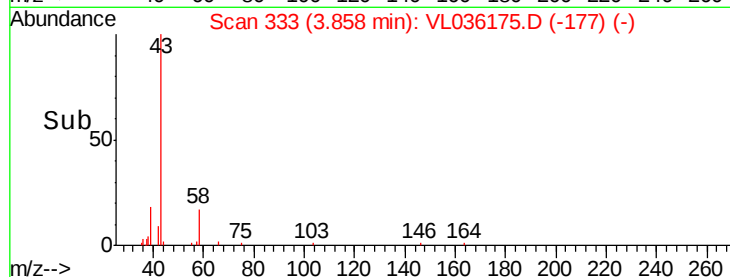
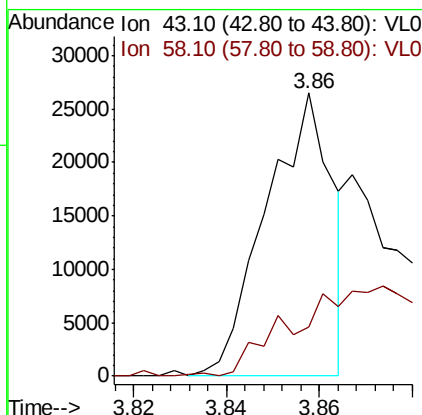
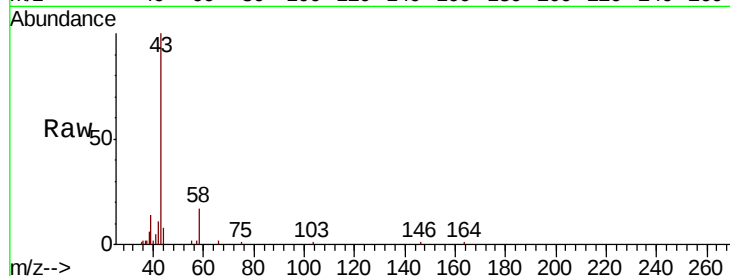




#15
Acetone
Concen: 0.156 ppbv
RT: 3.86 min Scan# 333
Delta R.T. 0.00 min
Lab File: VL036175.D
Acq: 16 Dec 2020 20:31

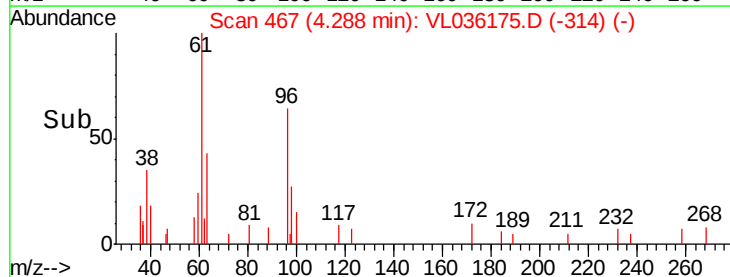
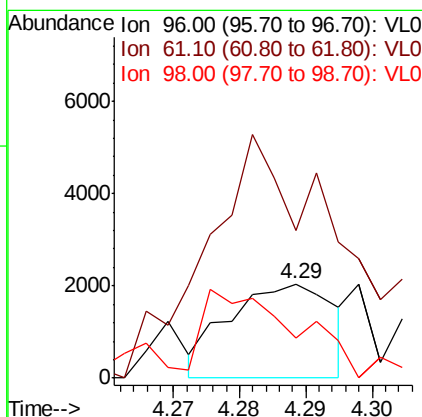
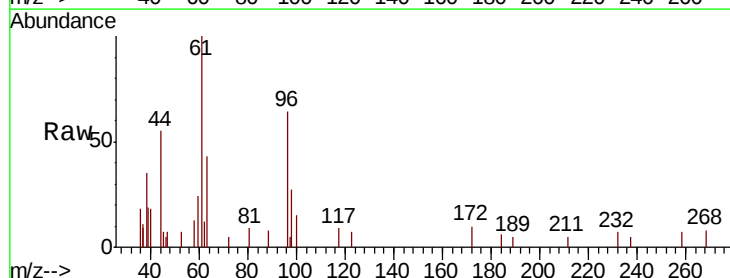
Instrument :
MSVOA_L
ClientSampleId :

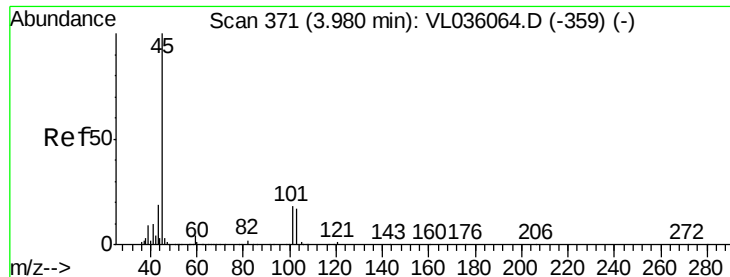
Tot Ion: 43 Resp: 26258
Ion Ratio Lower Upper
43 100
58 0.0 20.9 31.3#



#18
1,1-Dichloroethene
Concen: 0.038 ppbv
RT: 4.29 min Scan# 467
Delta R.T. -0.01 min
Lab File: VL036175.D
Acq: 16 Dec 2020 20:31

Tgt Ion: 96 Resp: 2209
Ion Ratio Lower Upper
96 100
61 79.4 171.4 257.2#
98 46.2 54.2 81.2#



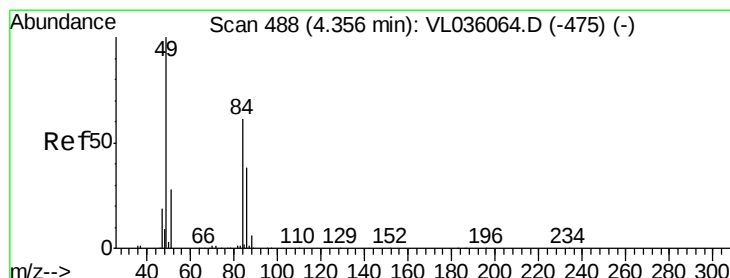
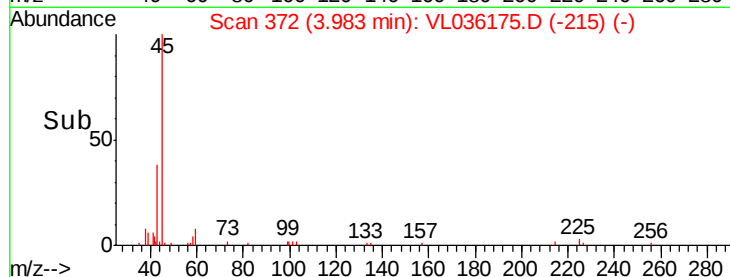
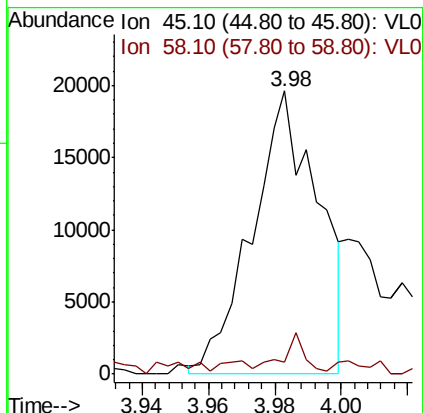
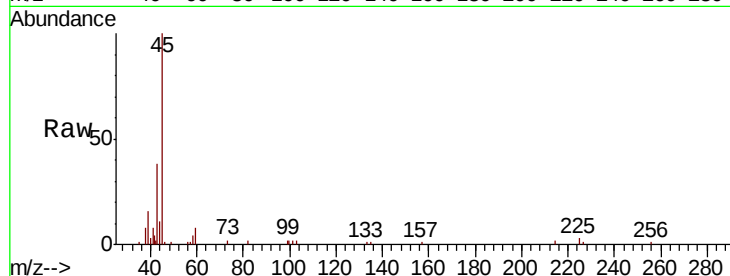


#19

Isopropyl Alcohol
 Concen: 0.264 ppbv
 RT: 3.98 min Scan# 372
 Delta R.T. 0.00 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

Instrument :
 MSVOA_L
 ClientSampleId :

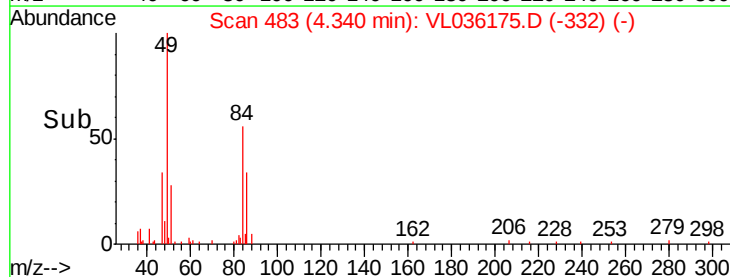
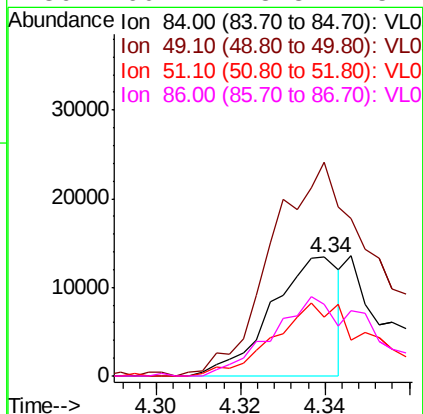
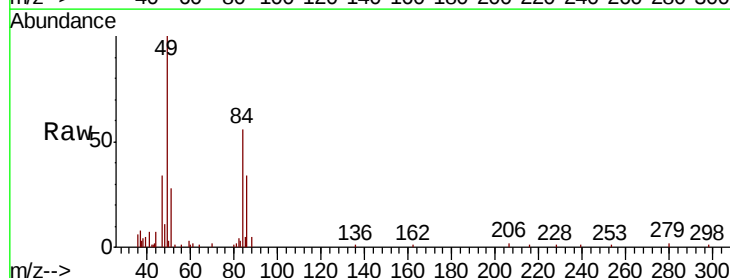
Tot Ion: 45 Resp: 27084
 Ion Ratio Lower Upper
 45 100
 58 11.4 0.0 0.0#

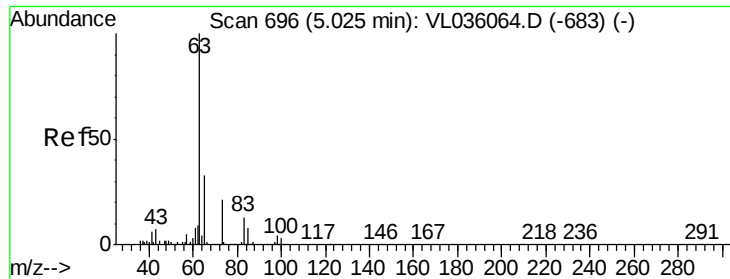


#20

Methylene Chloride
 Concen: 0.218 ppbv
 RT: 4.34 min Scan# 483
 Delta R.T. -0.02 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

Tgt Ion: 84 Resp: 14991
 Ion Ratio Lower Upper
 84 100
 49 177.4 133.0 199.4
 51 50.0 38.9 58.3
 86 60.4 48.8 73.2





#24

1,1-Dichloroethane

Concen: 0.194 ppbv

RT: 5.00 min Scan# 689

Delta R.T. -0.02 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :

MSVOA_L

ClientSampleId :

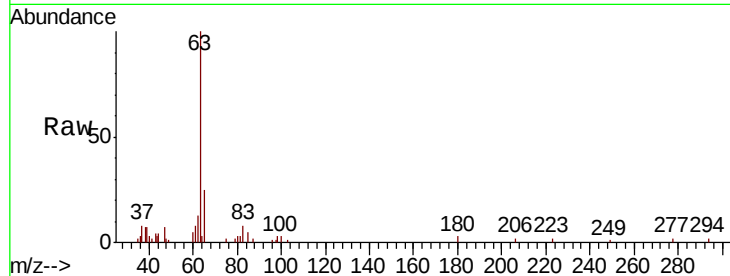
Tot Ion: 63 Resp: 30591

Ion Ratio Lower Upper

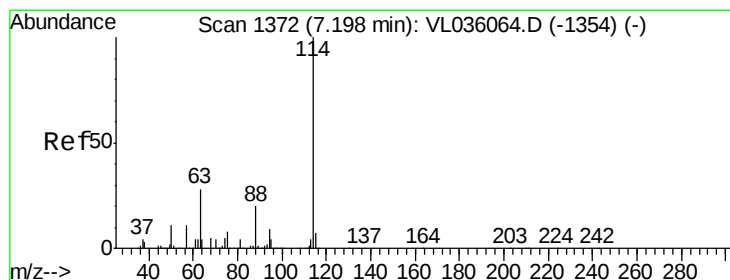
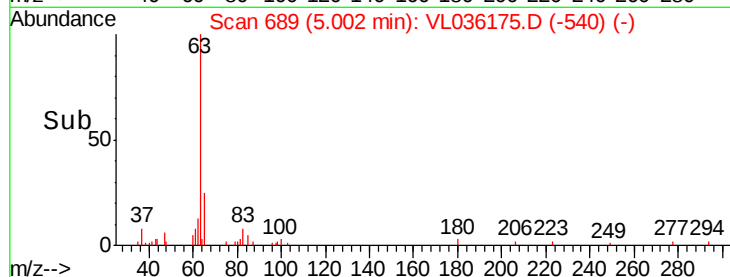
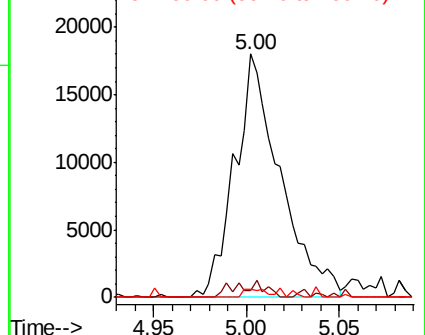
63 100

98 2.8 2.2 6.6

100 3.4 1.5 4.4



Abundance Ion 63.10 (62.80 to 63.80): VL0
Ion 98.00 (97.70 to 98.70): VL0
Ion 100.00 (99.70 to 100.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1364

Delta R.T. -0.03 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

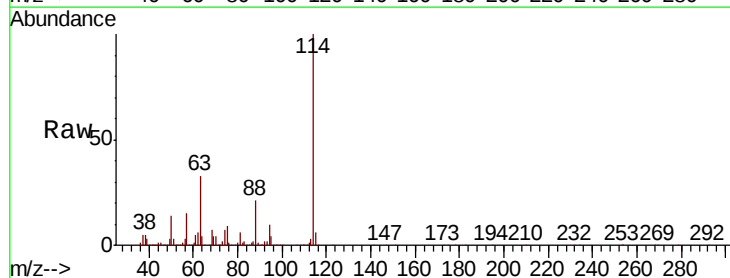
Tgt Ion: 114 Resp: 2813468

Ion Ratio Lower Upper

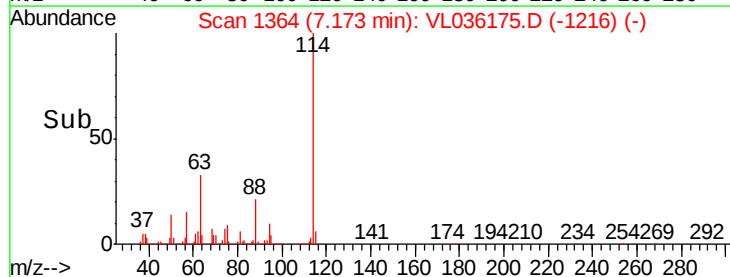
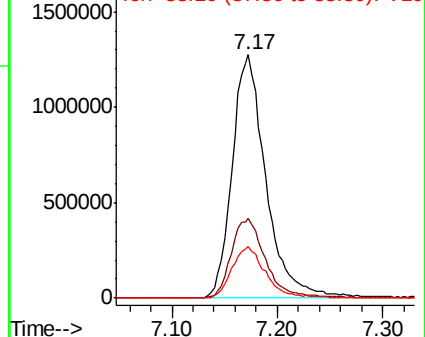
114 100

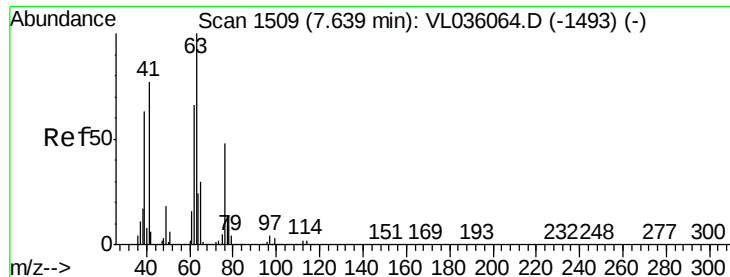
63 33.8 23.6 35.4

88 21.4 15.8 23.6



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

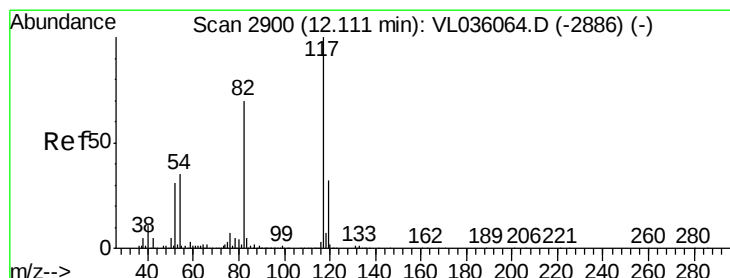
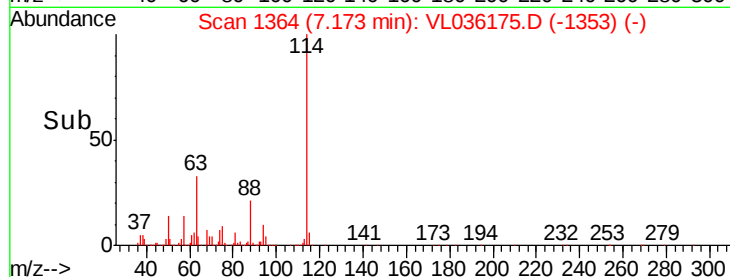
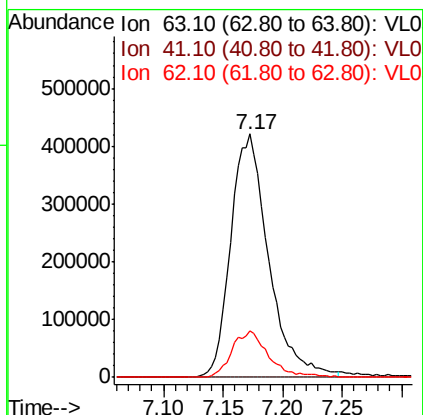
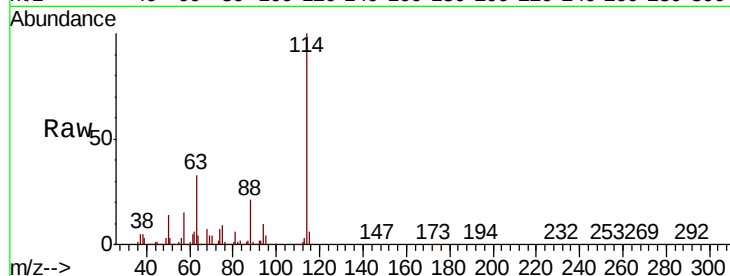




#39
 1,2-Dichloropropane
 Concen: 9.831 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.47 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

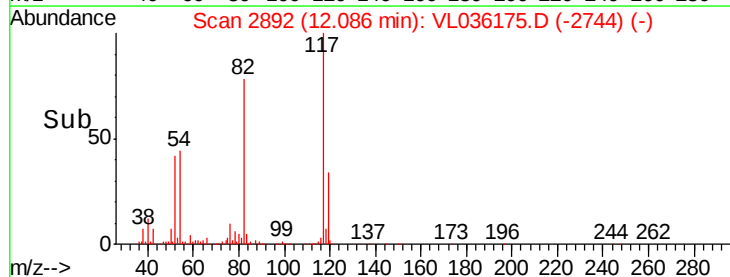
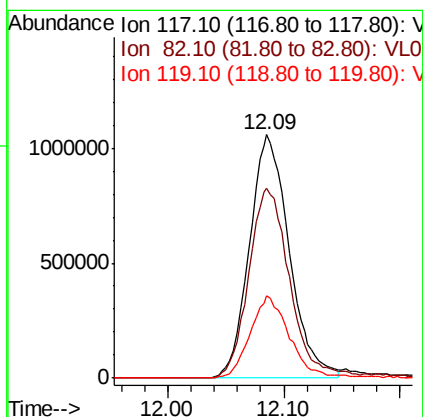
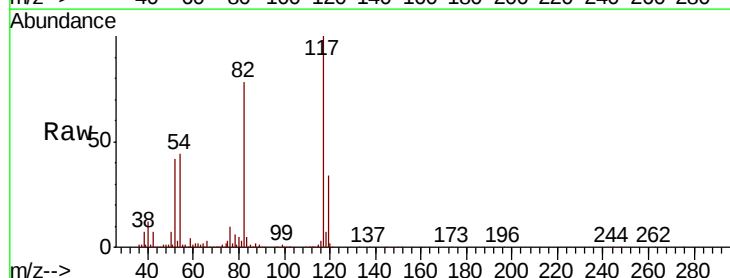
Instrument :
 MSVOA_L
 ClientSampleId :

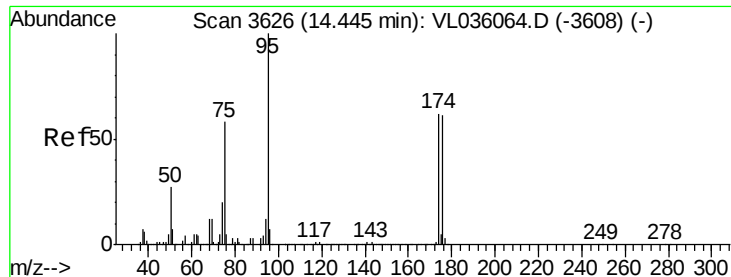
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.1	61.9	92.9#
62	19.0	52.5	78.7#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.09 min Scan# 2892
 Delta R.T. -0.03 min
 Lab File: VL036175.D
 Acq: 16 Dec 2020 20:31

Tgt Ion	Ratio	Lower	Upper
117	100		
82	83.1	0.0	0.0#
119	33.8	0.0	0.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 11.152 ppbv

RT: 14.42 min Scan# 3618

Delta R.T. -0.03 min

Lab File: VL036175.D

Acq: 16 Dec 2020 20:31

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2237093

Ion Ratio Lower Upper

95 100

174 56.3 50.7 76.1

175 3.8 4.0 6.0#

