

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035849.D
 Acq On : 5 Nov 2020 1:59
 Operator : SY/AP
 Sample : L4220-03
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 02:59:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Nov 04 02:40:06 2020
 QLast Update : Wed Nov 04 02:40:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	845949	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3458363	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3179699	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2227210	9.86	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.60%

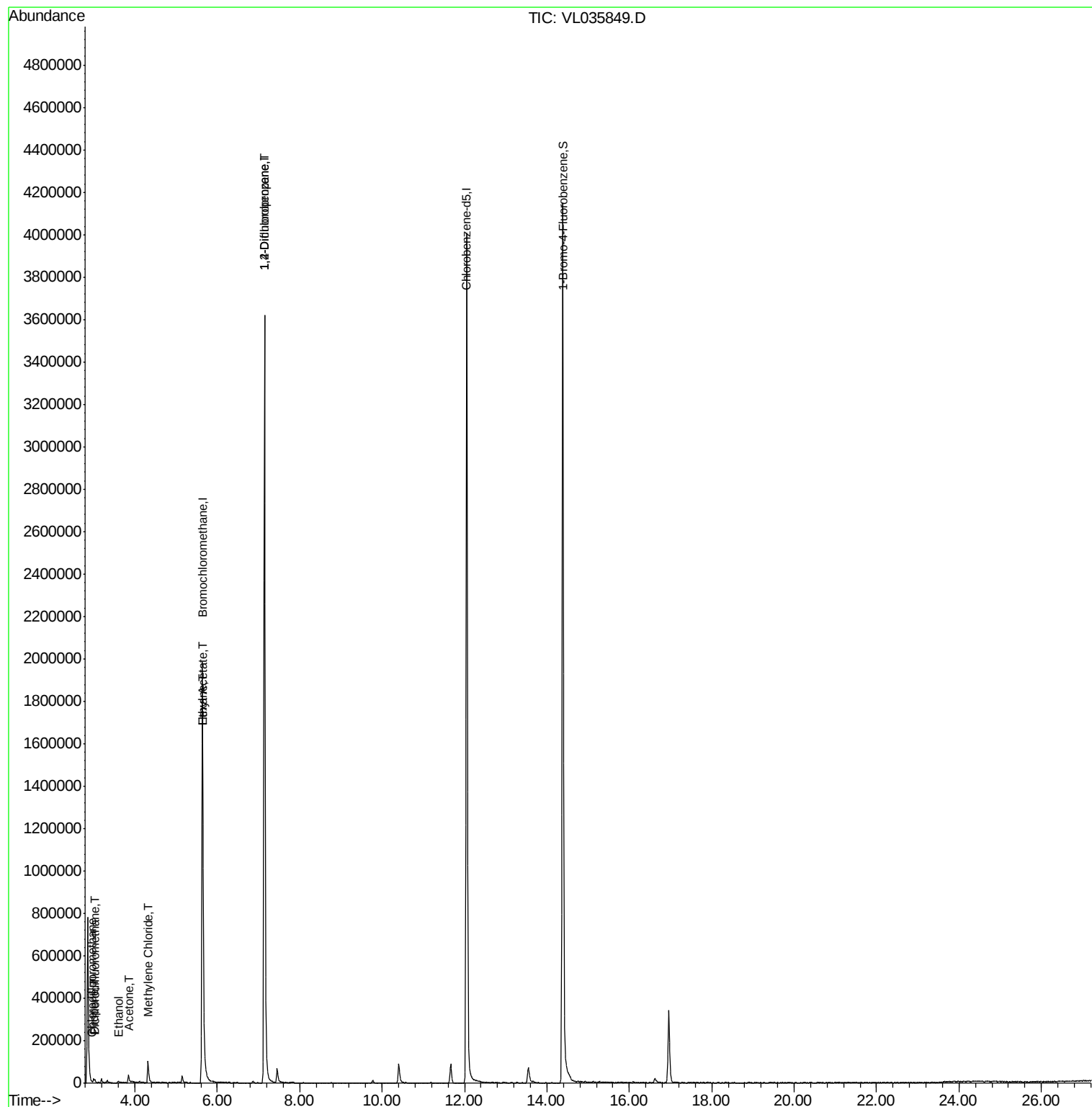
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.02	85	8716	0.055	ppbv	92
3) Chlorodifluoromethane	2.96	51	6232	0.062	ppbv #	83
9) Propene	3.00	41	5267	0.142	ppbv	89
13) Ethanol	3.60	45	7855	0.976	ppbv	95
15) Acetone	3.83	43	15178	0.168	ppbv #	40
20) Methylene Chloride	4.32	84	57638	0.905	ppbv	95
25) Ethyl Acetate	5.66	43	20808	0.117	ppbv #	73
26) Hexane	5.66	57	33152	0.337	ppbv #	45
39) 1,2-Dichloropropane	7.14	63	657858	7.600	ppbv #	30

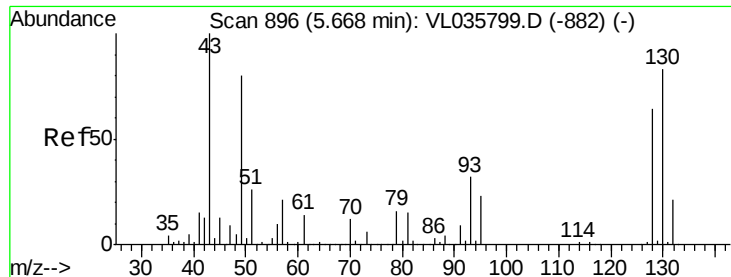
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 04 02:40:06 2020
QLast Update : Wed Nov 04 02:40:06 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 886

Delta R.T. -0.03 min

Lab File: VL035849.D

Acq: 5 Nov 2020 1:59

Instrument :
MSVOA_L
ClientSampleId :

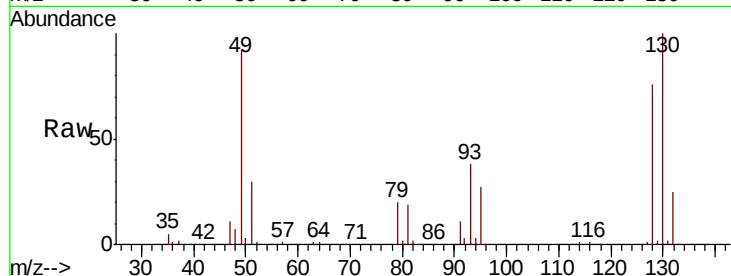
Tot Ion: 49 Resp: 845949

Ion Ratio Lower Upper

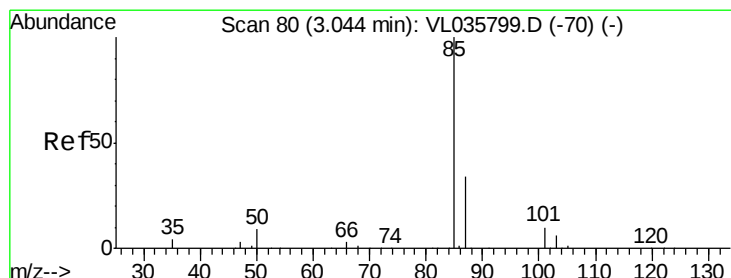
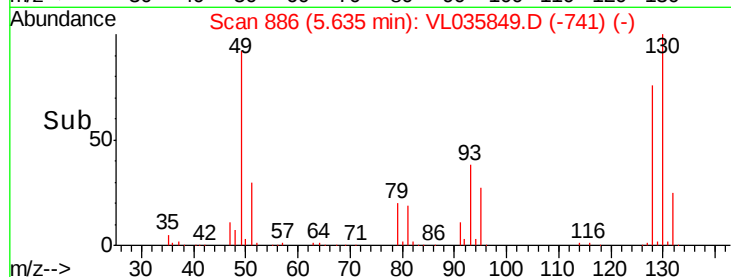
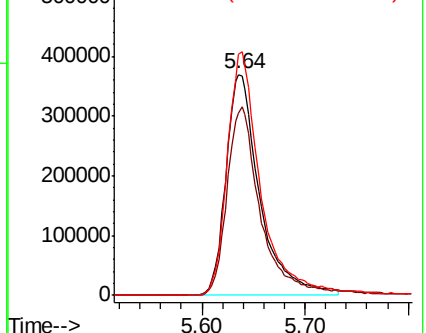
49 100

128 86.9 41.5 124.6

130 111.6 53.7 161.1



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: 0.055 ppbv

RT: 3.02 min Scan# 74

Delta R.T. -0.02 min

Lab File: VL035849.D

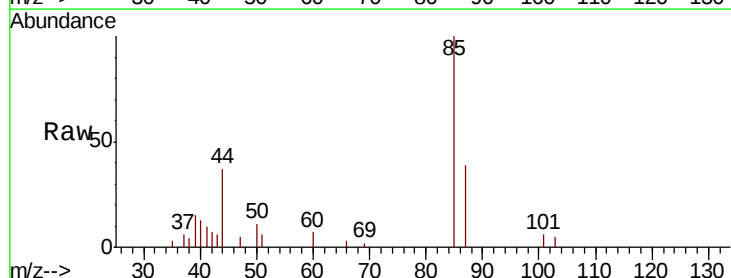
Acq: 5 Nov 2020 1:59

Tgt Ion: 85 Resp: 8716

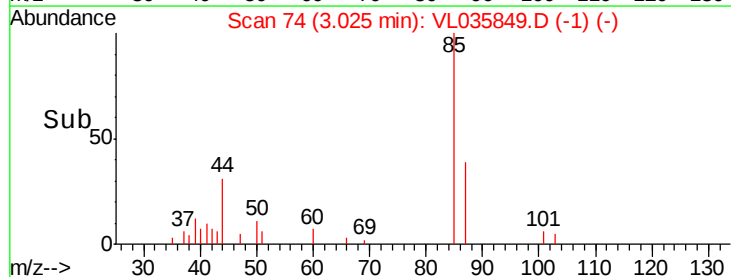
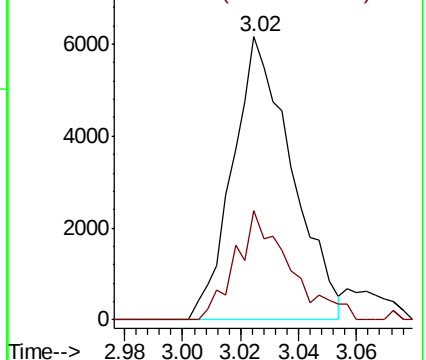
Ion Ratio Lower Upper

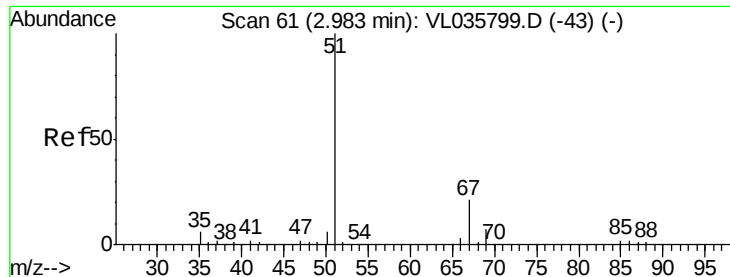
85 100

87 38.6 27.1 40.7



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





#3

Chlorodifluoromethane

Concen: 0.062 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035849.D

Acq: 5 Nov 2020 1:59

Instrument :

MSVOA_L

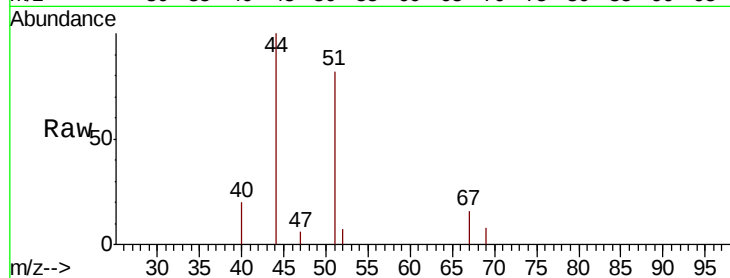
ClientSampleId :

Tot Ion: 51 Resp: 6232

Ion Ratio Lower Upper

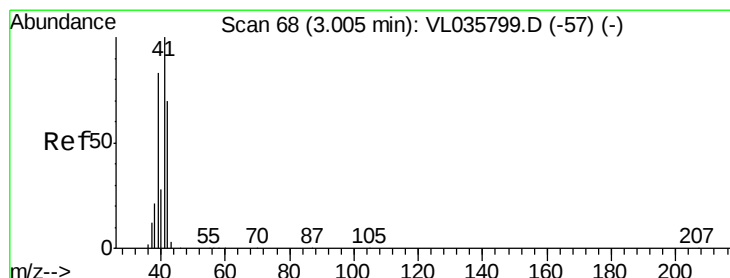
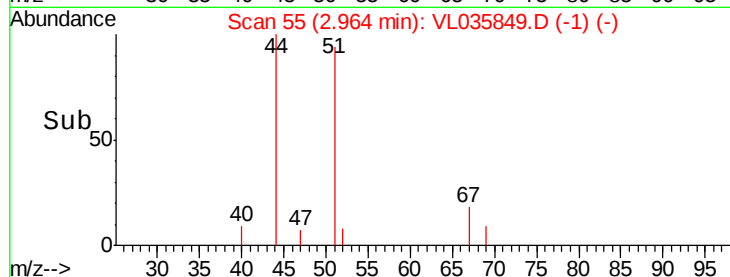
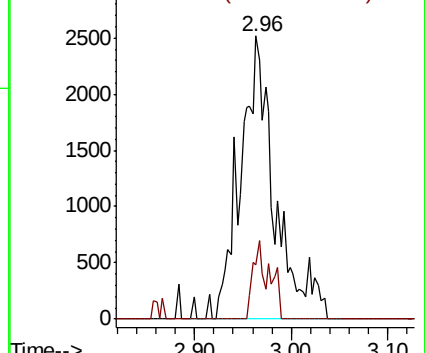
51 100

67 13.0 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.142 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035849.D

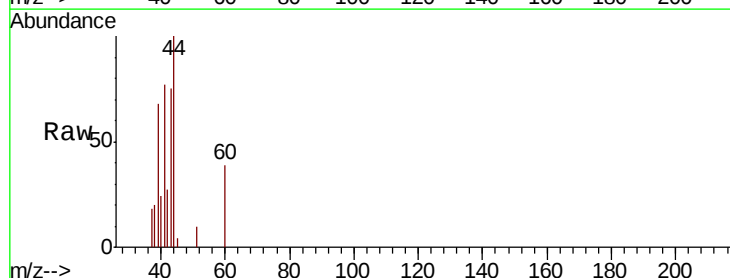
Acq: 5 Nov 2020 1:59

Tgt Ion: 41 Resp: 5267

Ion Ratio Lower Upper

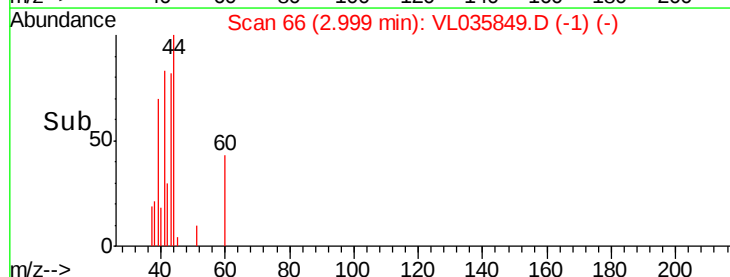
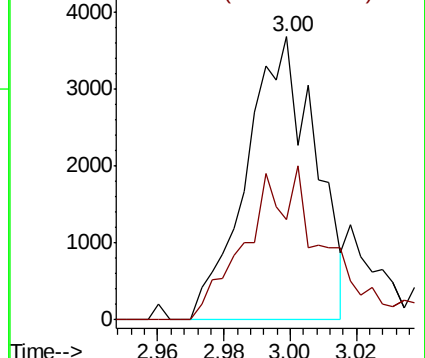
41 100

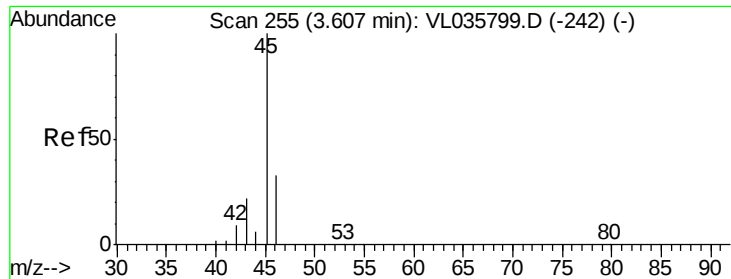
42 61.6 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.976 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035849.D

Acq: 5 Nov 2020 1:59

Instrument :

MSVOA_L

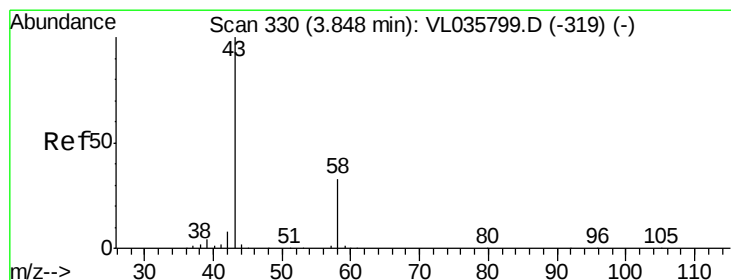
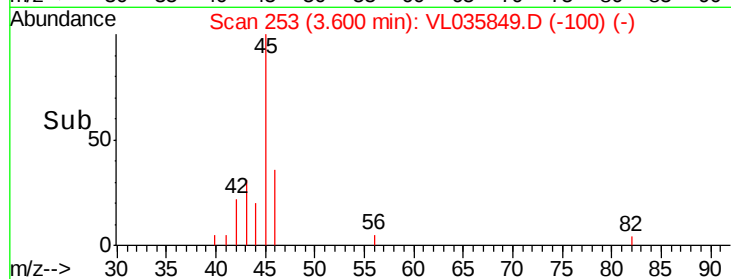
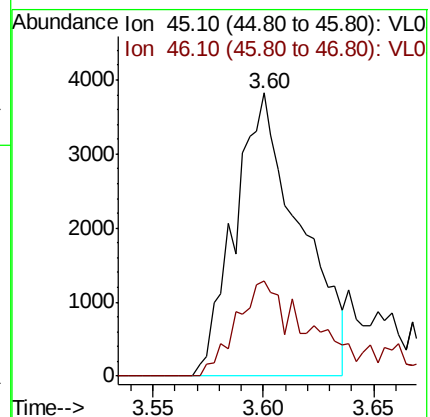
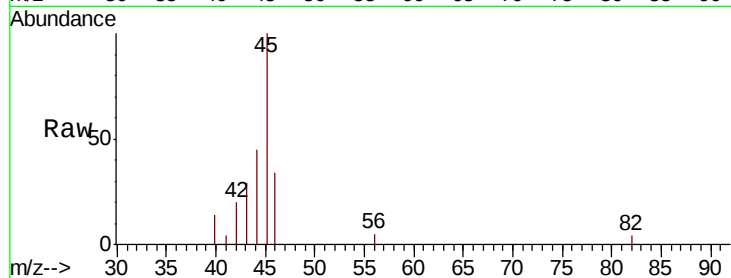
ClientSampled :

Tot Ion: 45 Resp: 7855

Ion Ratio Lower Upper

45 100

46 43.7 16.1 64.5



#15

Acetone

Concen: 0.168 ppbv

RT: 3.83 min Scan# 326

Delta R.T. -0.01 min

Lab File: VL035849.D

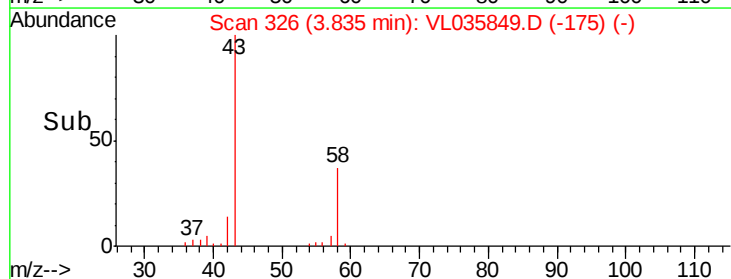
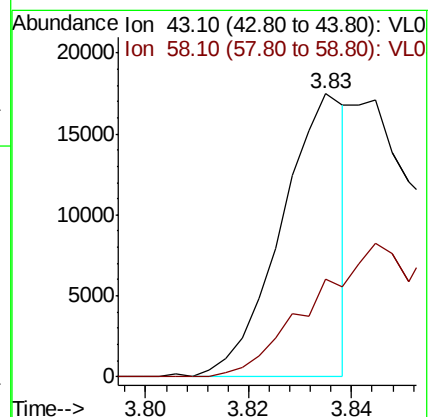
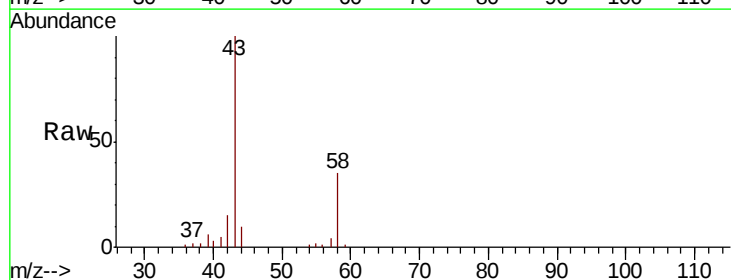
Acq: 5 Nov 2020 1:59

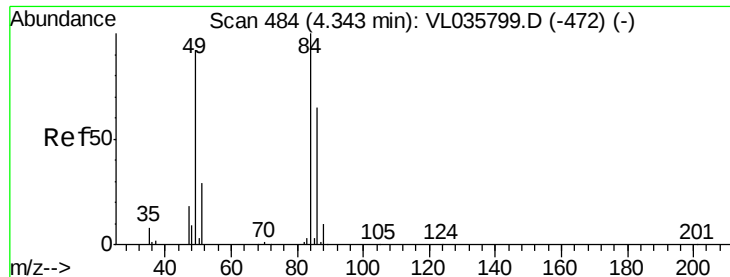
Tgt Ion: 43 Resp: 15178

Ion Ratio Lower Upper

43 100

58 0.0 27.5 41.3#

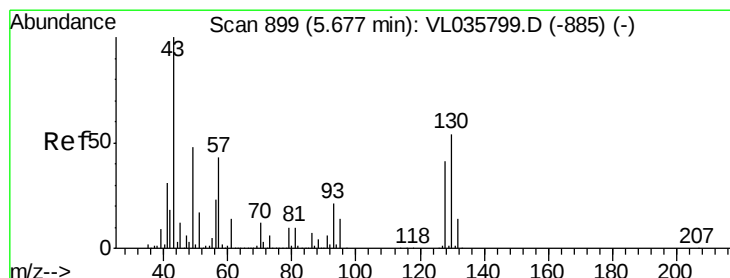
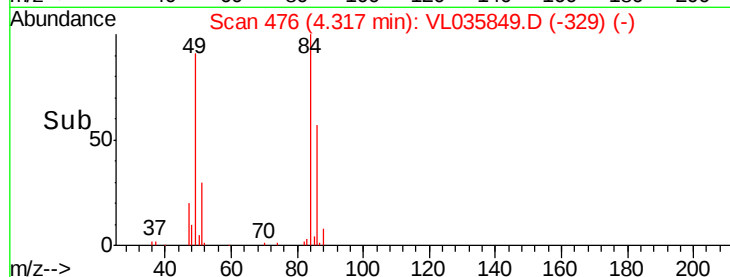
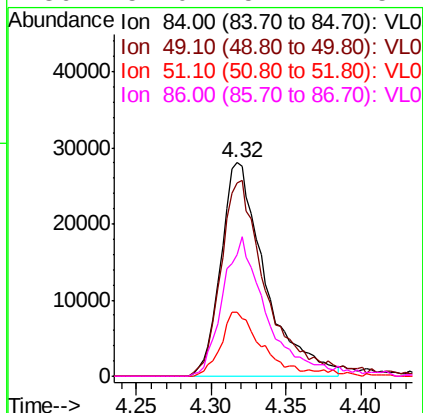
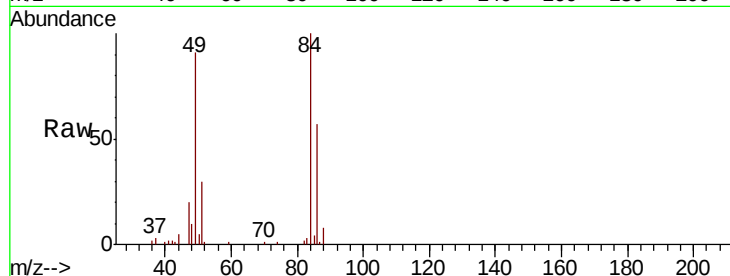




#20
Methvlene Chloride
Concen: 0.905 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.03 min
Lab File: VL035849.D
Acq: 5 Nov 2020 1:59

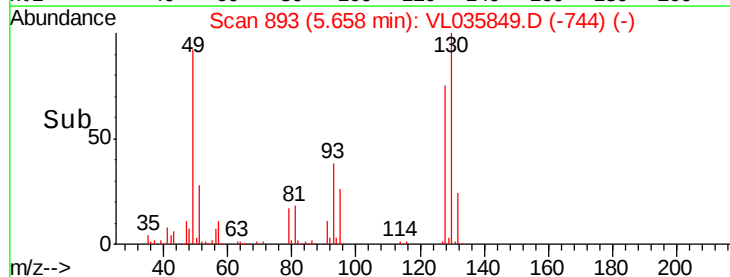
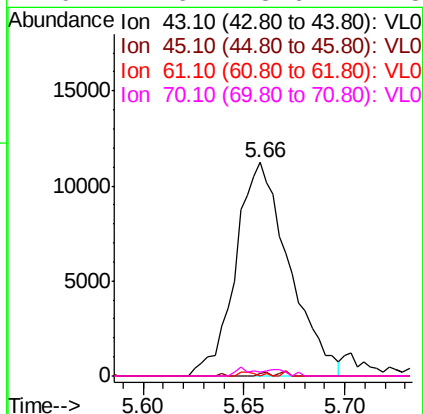
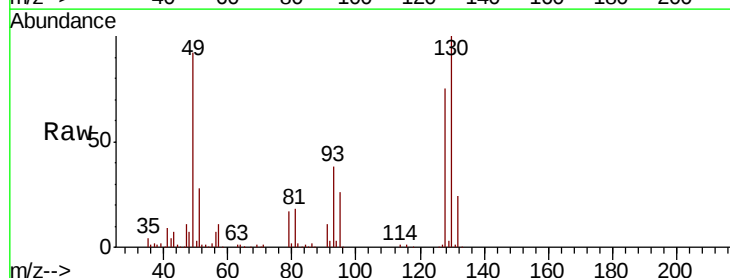
Instrument :
MSVOA_L
ClientSampleId :

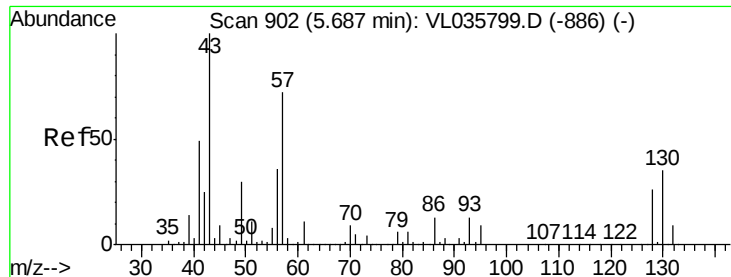
Tot Ion:	84	Resp:	57638
Ion	Ratio	Lower	Upper
84	100		
49	90.8	73.8	110.8
51	29.7	23.0	34.4
86	57.0	52.1	78.1



#25
Ethyl Acetate
Concen: 0.117 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035849.D
Acq: 5 Nov 2020 1:59

Tgt Ion:	43	Resp:	20808
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.5	12.7#
61	0.7	10.7	16.1#
70	2.6	8.6	12.8#

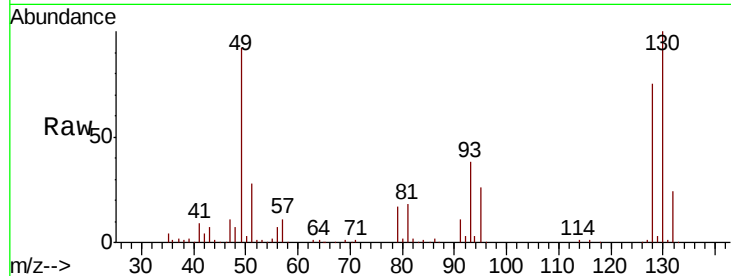




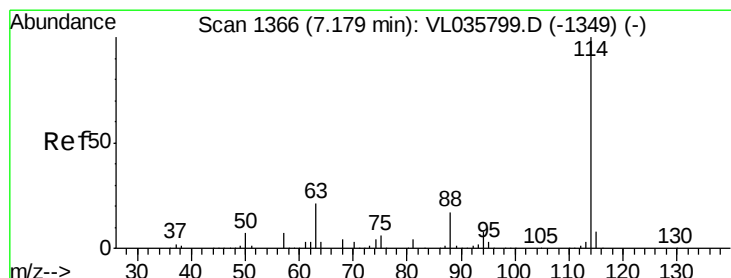
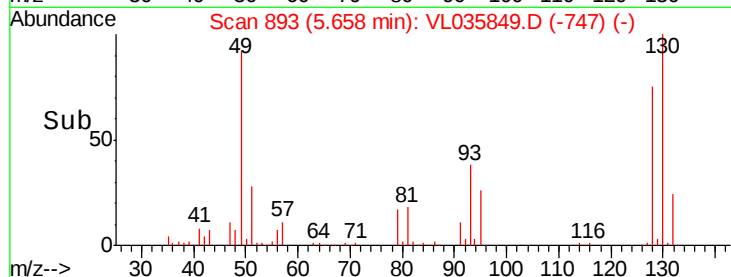
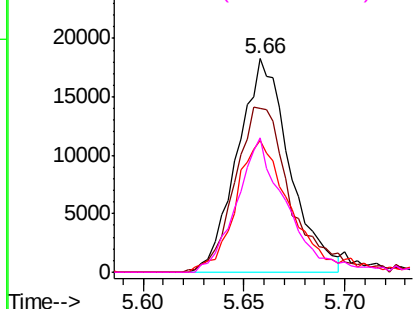
#26
Hexane
Concen: 0.337 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL035849.D
Acq: 5 Nov 2020 1:59

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 33152
Ion Ratio Lower Upper
57 100
41 85.5 58.9 88.3
43 66.5 150.2 225.2#
56 61.0 42.4 63.6

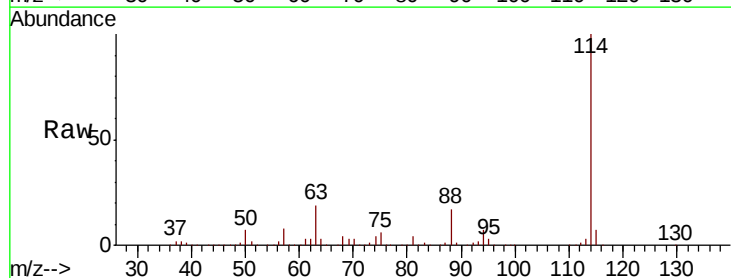


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

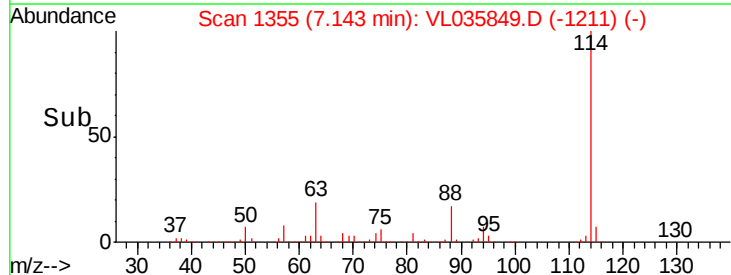
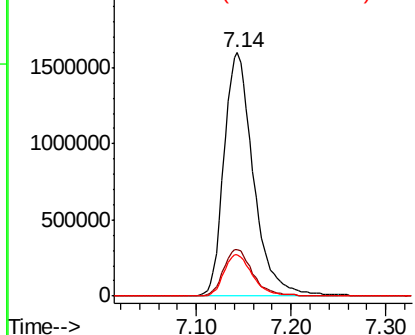


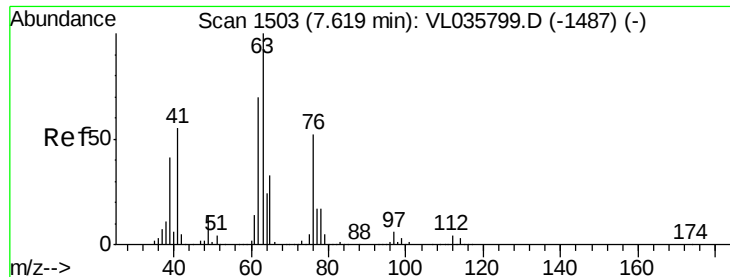
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1355
Delta R.T. -0.04 min
Lab File: VL035849.D
Acq: 5 Nov 2020 1:59

Tgt Ion: 114 Resp: 3458363
Ion Ratio Lower Upper
114 100
63 19.2 16.1 24.1
88 16.7 13.7 20.5



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

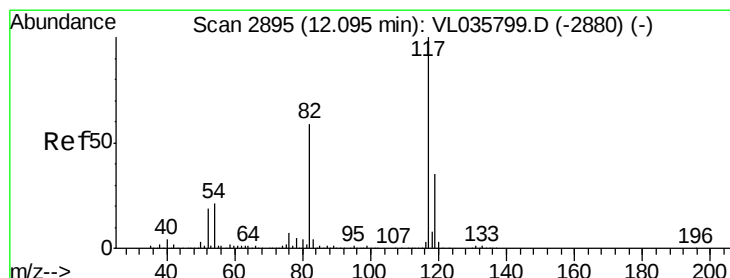
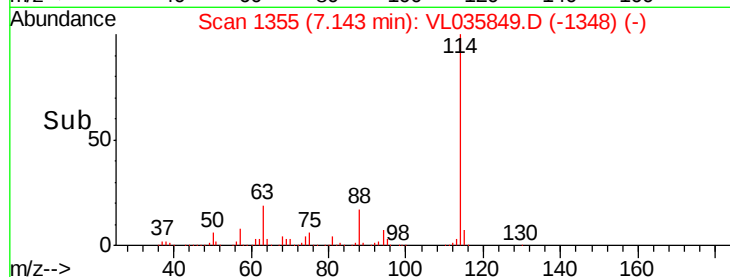
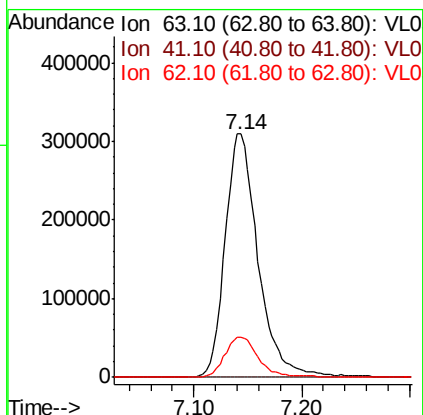
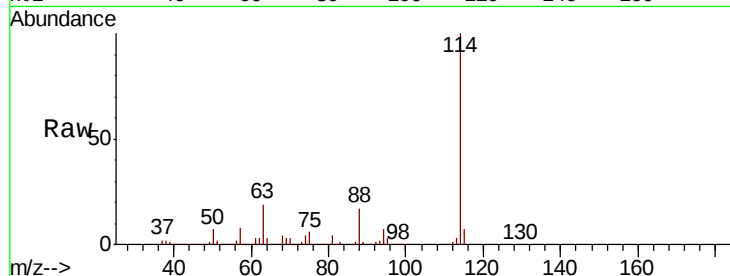




#39
 1,2-Dichloropropane
 Concen: 7.600 ppbv
 RT: 7.14 min Scan# 1355
 Delta R.T. -0.48 min
 Lab File: VL035849.D
 Acq: 5 Nov 2020 1:59

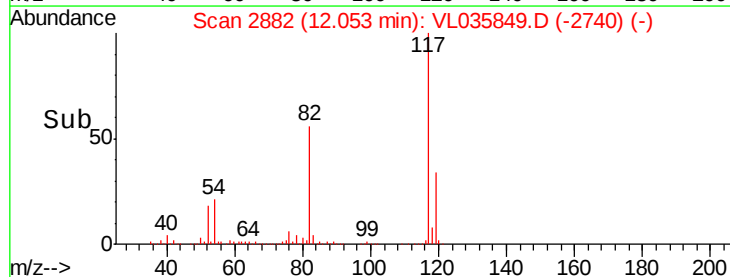
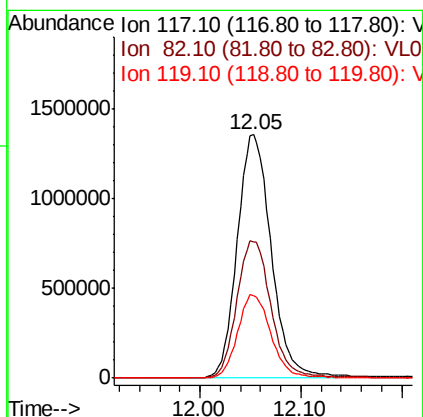
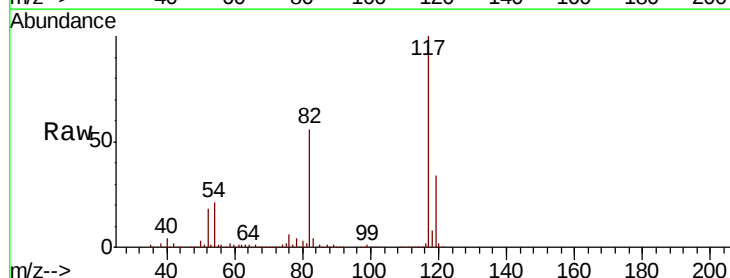
Instrument :
 MSVOA_L
 ClientSampleId :

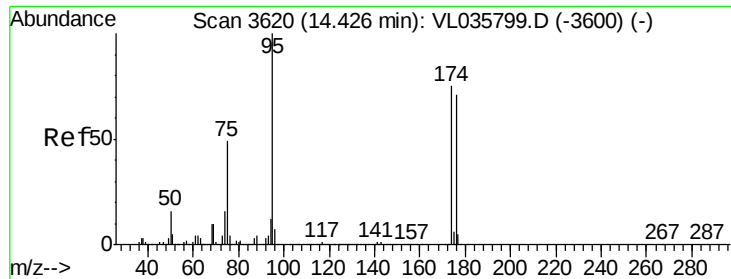
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	16.6	56.2	84.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.05 min Scan# 2882
 Delta R.T. -0.04 min
 Lab File: VL035849.D
 Acq: 5 Nov 2020 1:59

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.8	50.6	76.0
119	34.3	52.6	78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.859 ppbv

RT: 14.38 min Scan# 3607

Delta R.T. -0.04 min

Lab File: VL035849.D

Acq: 5 Nov 2020 1:59

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2227210

Ion Ratio Lower Upper

95 100

174 77.9 59.8 89.6

175 5.5 4.3 6.5

