

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110320\
 Data File : VL035813.D
 Acq On : 3 Nov 2020 21:20
 Operator : SY/AP
 Sample : L4604-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 04 05:16:34 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
 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

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1249694	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	5536663	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.07	117	5034333	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.40	95	3576548	10.00	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

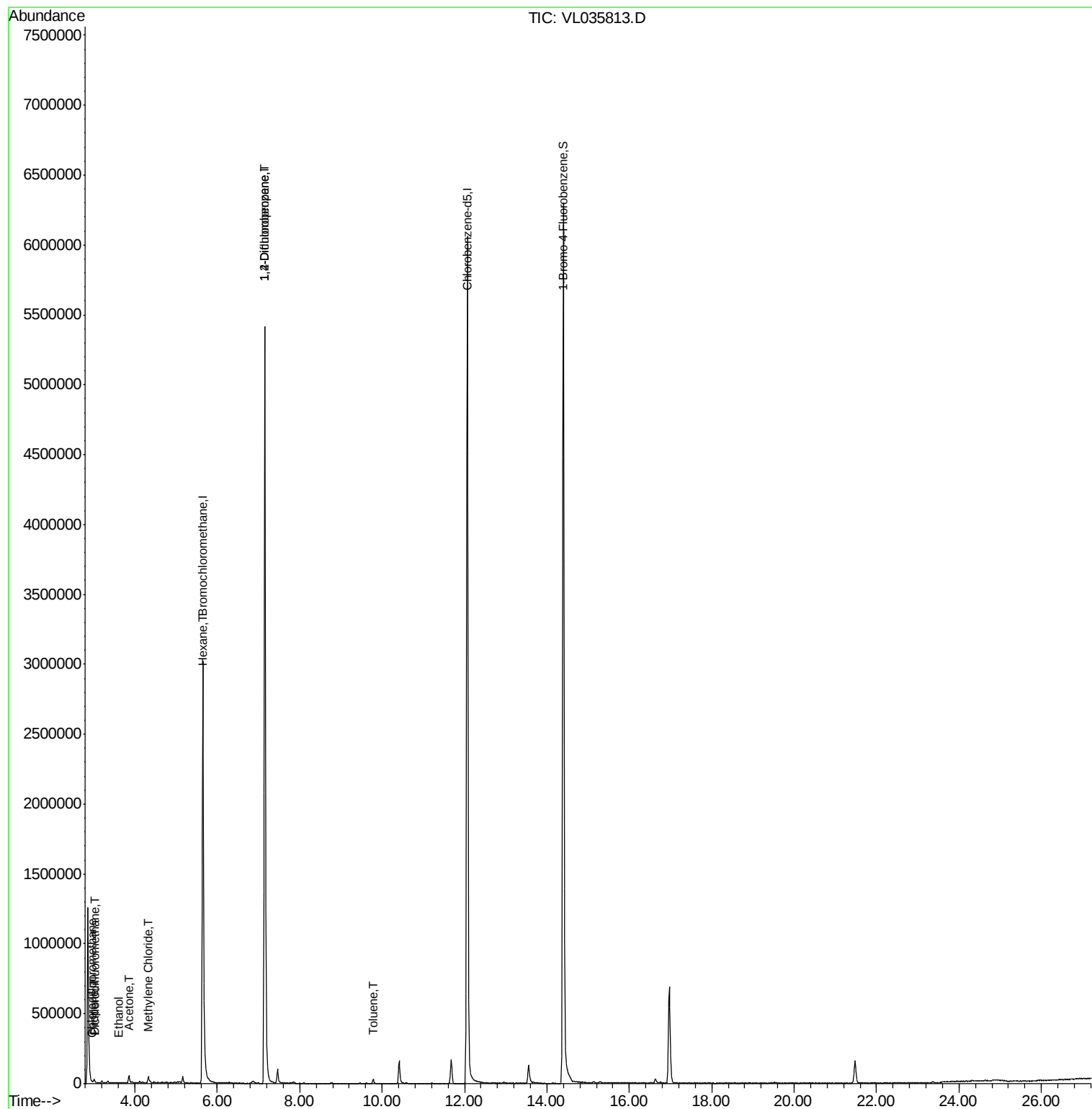
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	12840	0.055	ppbv #	81
3) Chlorodifluoromethane	2.97	51	6107	0.041	ppbv	97
9) Propene	3.00	41	5517	0.101	ppbv #	15
13) Ethanol	3.60	45	1725	0.145	ppbv #	35
15) Acetone	3.85	43	35847	0.268	ppbv #	55
20) Methylene Chloride	4.33	84	24841	0.264	ppbv	96
26) Hexane	5.66	57	12792	0.088	ppbv #	49
39) 1,2-Dichloropropane	7.15	63	1007283	7.269	ppbv #	31
53) Toluene	9.78	91	25873	0.052	ppbv	96

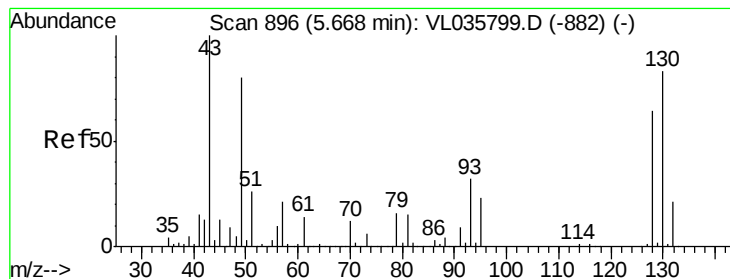
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.02 min

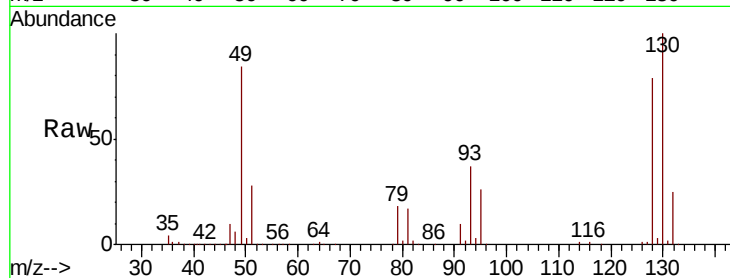
Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1249694

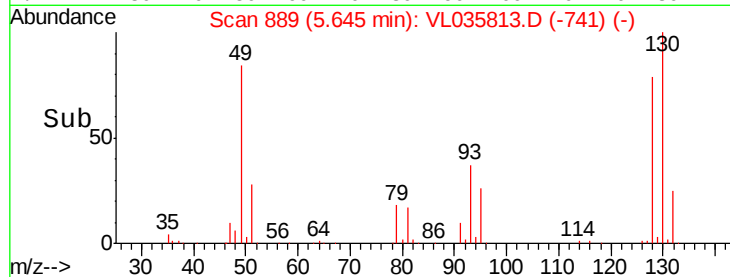
Ion	Ratio	Lower	Upper
49	100		
128	93.4	41.5	124.6
130	120.3	53.7	161.1



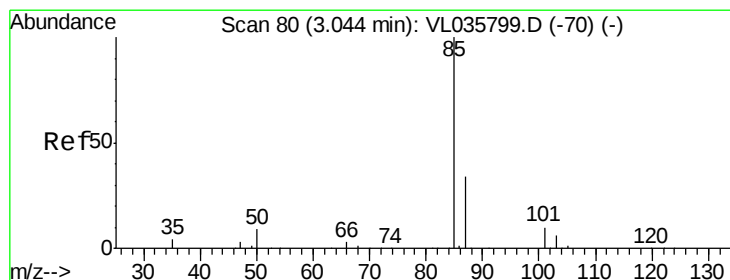
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.055 ppbv

RT: 3.03 min Scan# 75

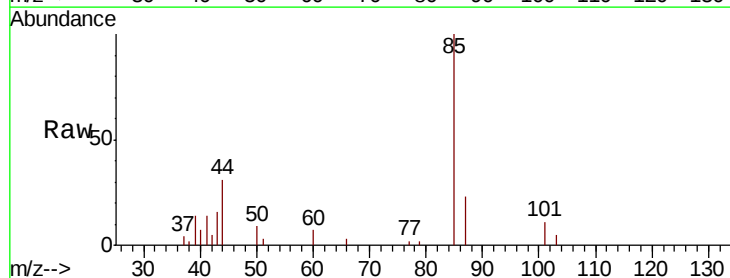
Delta R.T. -0.02 min

Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

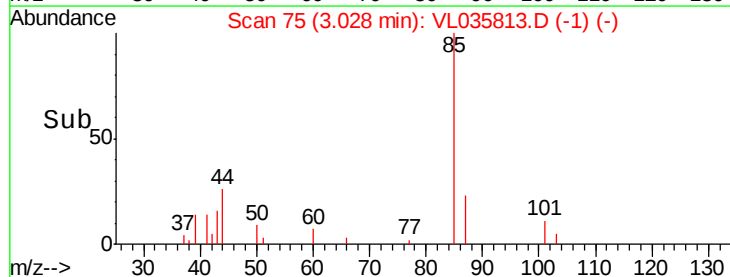
Tgt Ion: 85 Resp: 12840

Ion	Ratio	Lower	Upper
85	100		
87	22.8	27.1	40.7

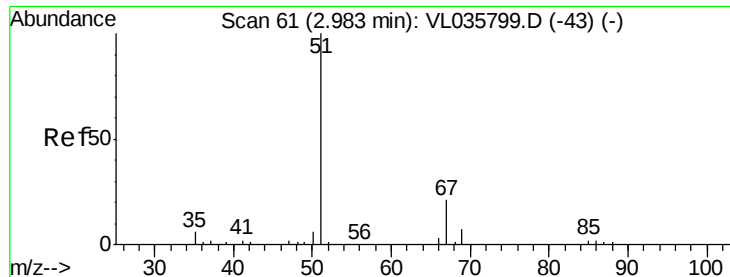


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#3

Chlorodifluoromethane

Concen: 0.041 ppbv

RT: 2.97 min Scan# 57

Delta R.T. -0.01 min

Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

Instrument :

MSVOA_L

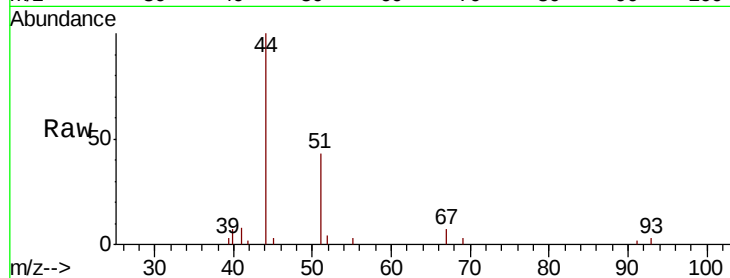
ClientSampleId :

Tot Ion: 51 Resp: 6107

Ion Ratio Lower Upper

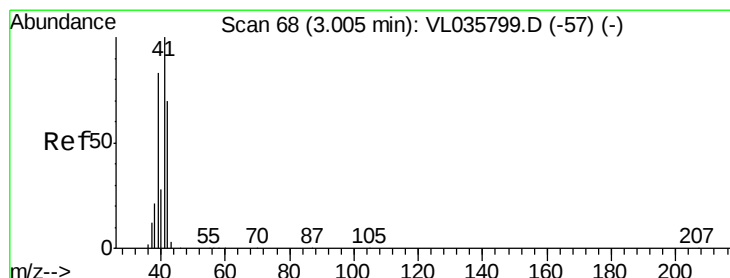
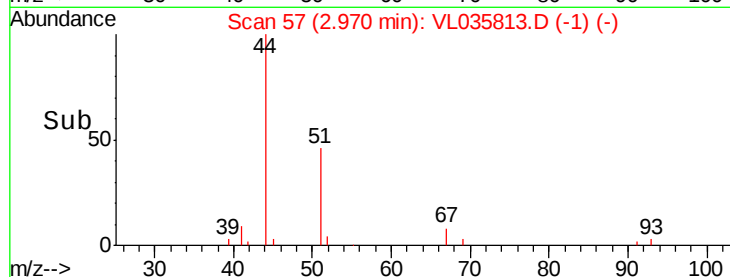
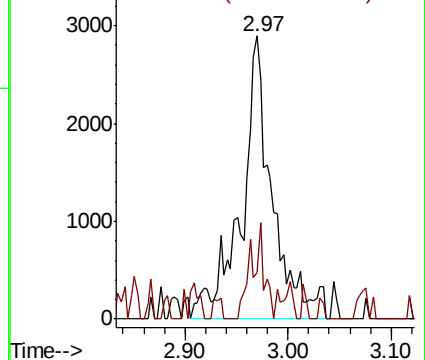
51 100

67 22.5 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: 0.101 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035813.D

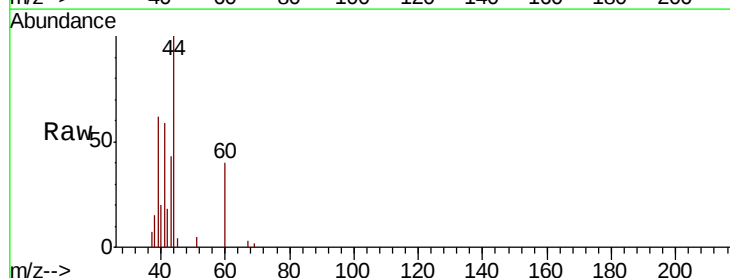
Acq: 3 Nov 2020 21:20

Tgt Ion: 41 Resp: 5517

Ion Ratio Lower Upper

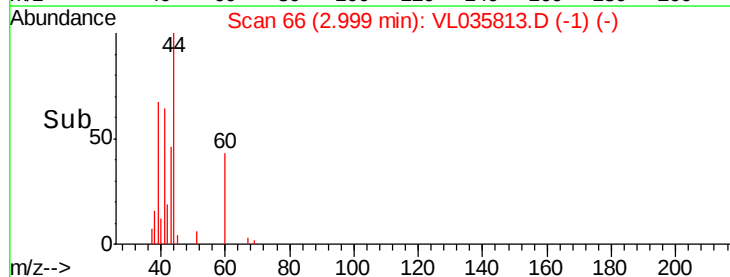
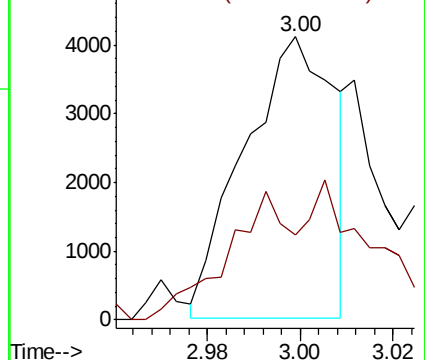
41 100

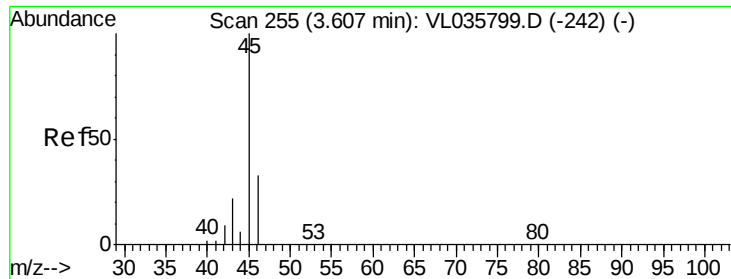
42 0.0 56.2 84.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.145 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

Instrument :

MSVOA_L

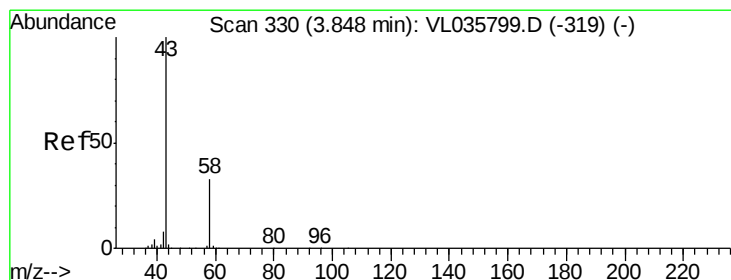
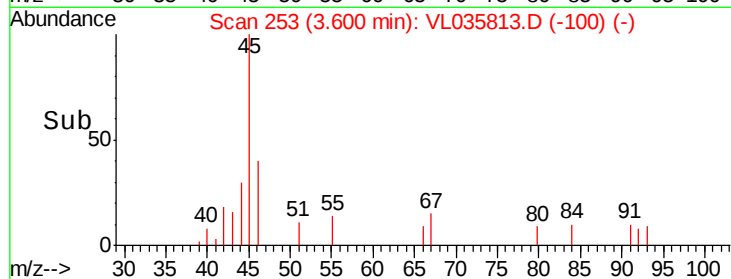
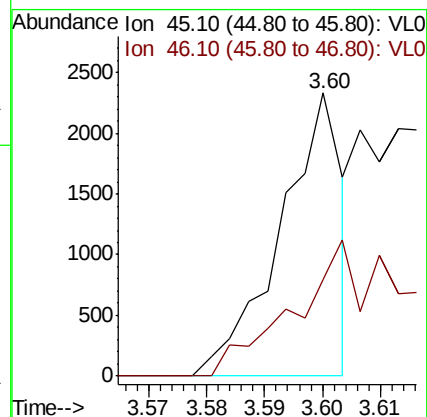
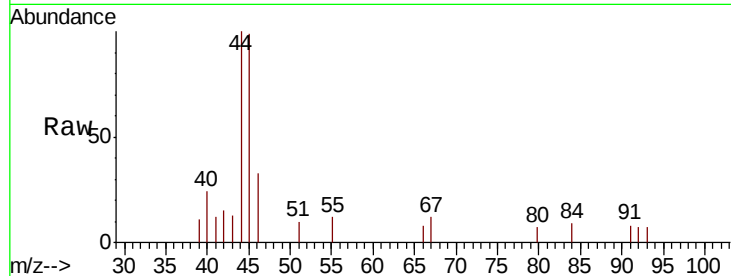
ClientSampleId :

Tot Ion: 45 Resp: 1725

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#



#15

Acetone

Concen: 0.268 ppbv

RT: 3.85 min Scan# 330

Delta R.T. -0.00 min

Lab File: VL035813.D

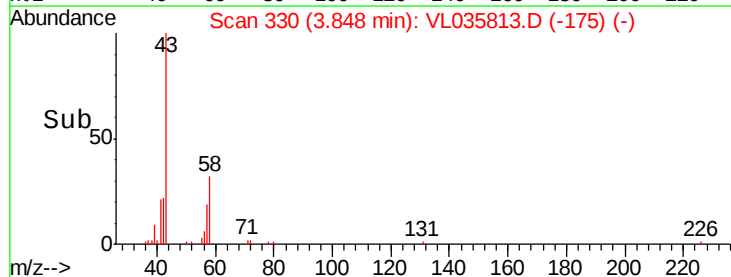
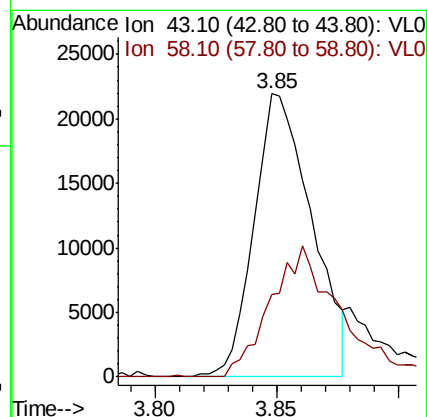
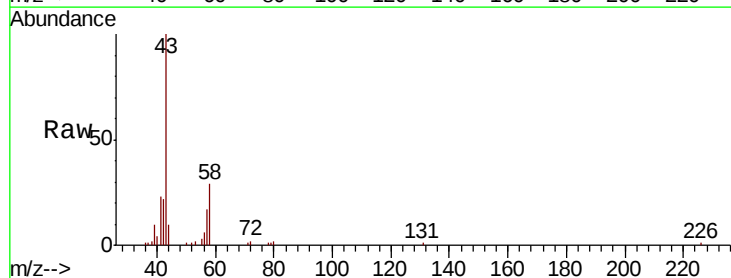
Acq: 3 Nov 2020 21:20

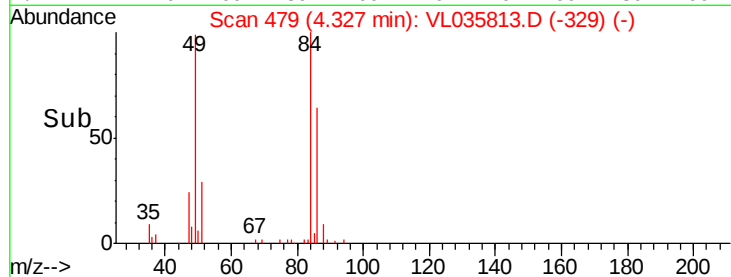
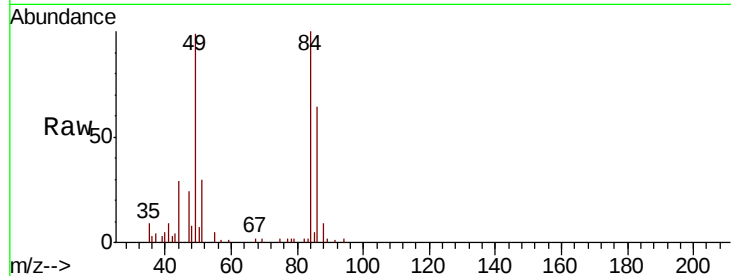
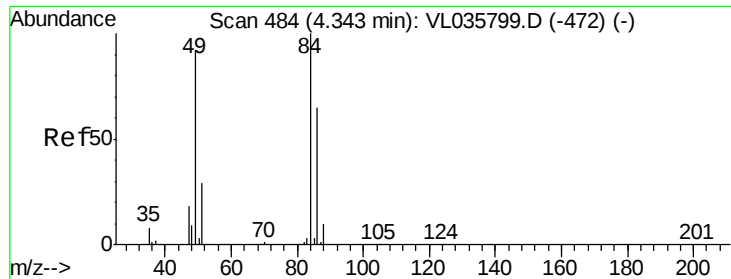
Tgt Ion: 43 Resp: 35847

Ion Ratio Lower Upper

43 100

58 60.1 27.5 41.3#

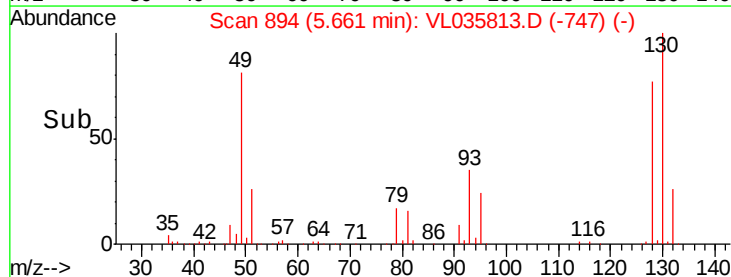
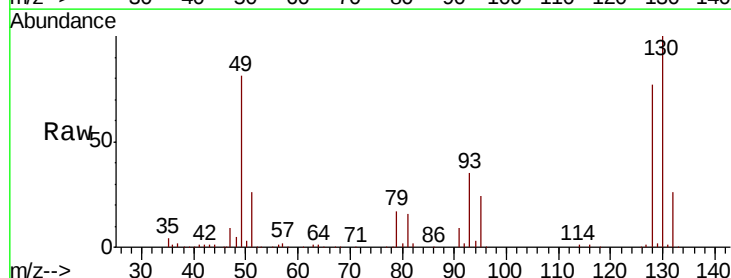
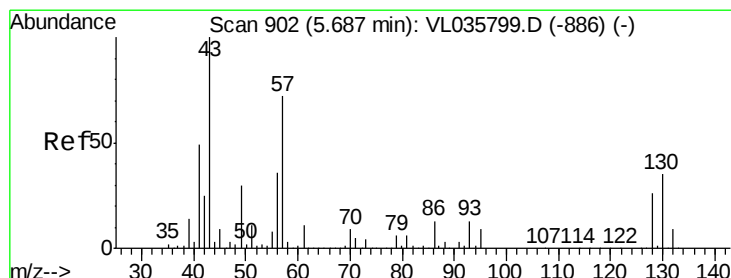
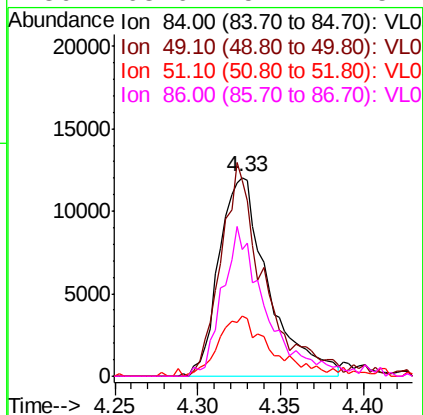




#20
Methvlene Chloride
Concen: 0.264 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL035813.D
Acq: 3 Nov 2020 21:20

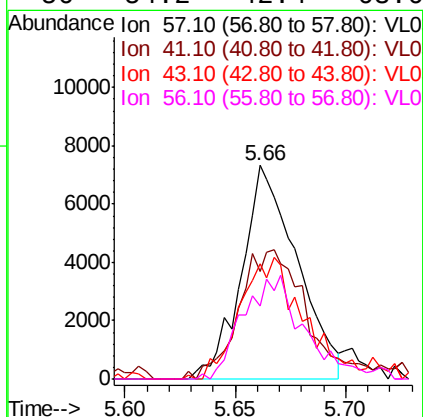
Instrument :
MSVOA_L
ClientSampleId :

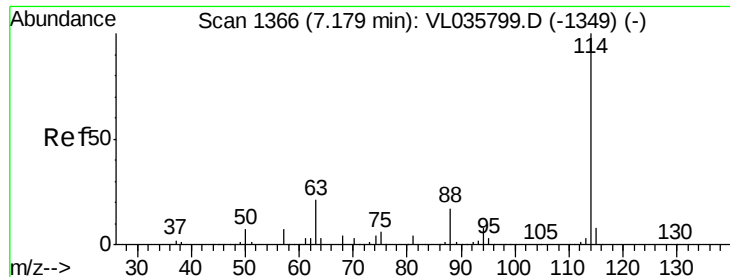
Tot Ion:	84	Resp:	24841
Ion	Ratio	Lower	Upper
84	100		
49	98.6	73.8	110.8
51	28.9	23.0	34.4
86	63.6	52.1	78.1



#26
Hexane
Concen: 0.088 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035813.D
Acq: 3 Nov 2020 21:20

Tgt Ion:	57	Resp:	12792
Ion	Ratio	Lower	Upper
57	100		
41	79.5	58.9	88.3
43	68.5	150.2	225.2#
56	54.2	42.4	63.6

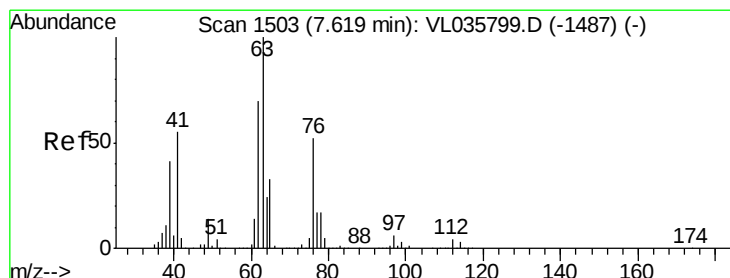
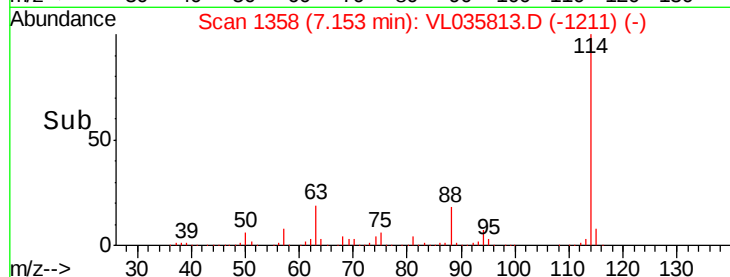
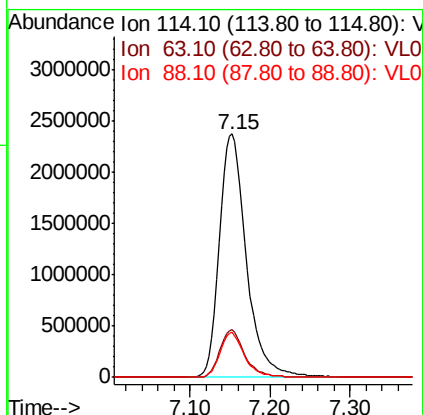
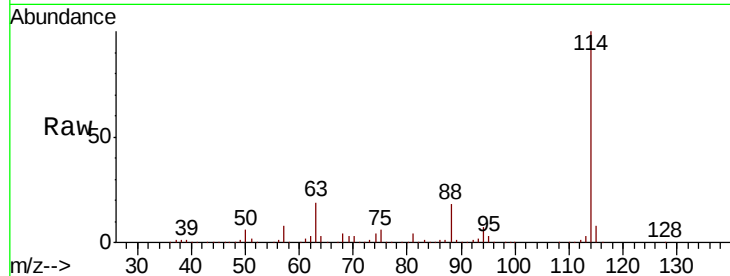




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.03 min
 Lab File: VL035813.D
 Acq: 3 Nov 2020 21:20

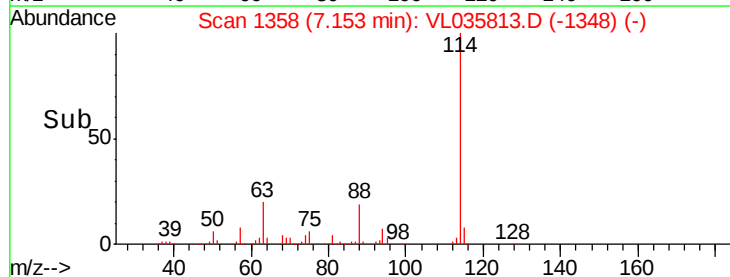
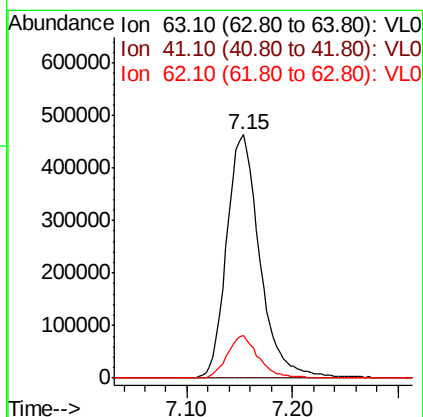
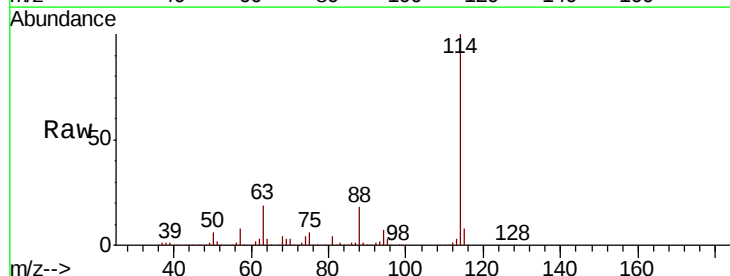
Instrument :
 MSVOA_L
 ClientSampleId :

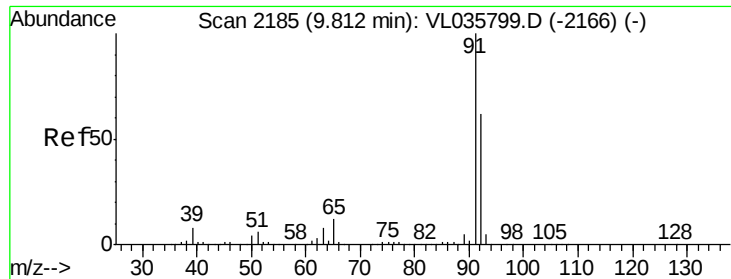
Tot Ion:114 Resp: 5536663
 Ion Ratio Lower Upper
 114 100
 63 18.4 16.1 24.1
 88 16.9 13.7 20.5



#39
 1,2-Dichloropropane
 Concen: 7.269 ppbv
 RT: 7.15 min Scan# 1358
 Delta R.T. -0.47 min
 Lab File: VL035813.D
 Acq: 3 Nov 2020 21:20

Tgt Ion: 63 Resp: 1007283
 Ion Ratio Lower Upper
 63 100
 41 0.0 43.8 65.6#
 62 17.6 56.2 84.2#





#53

Toluene

Concen: 0.052 ppbv

RT: 9.78 min Scan# 2176

Delta R.T. -0.03 min

Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

Instrument :

MSVOA_L

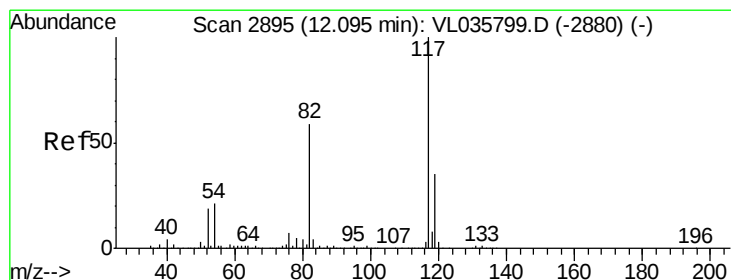
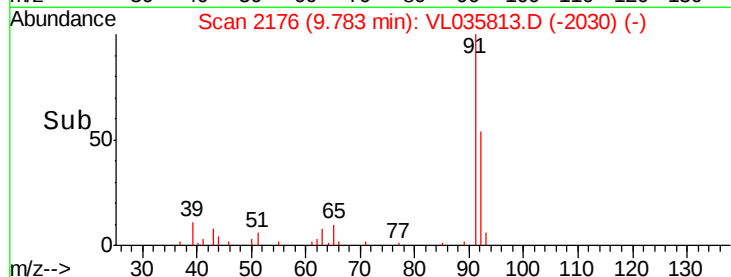
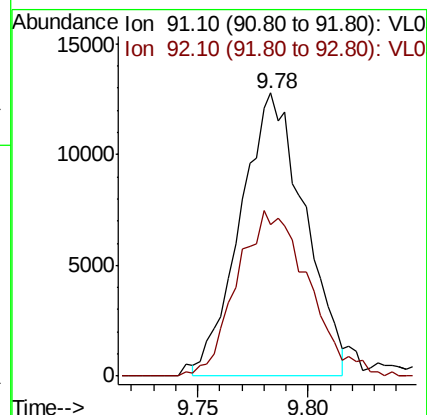
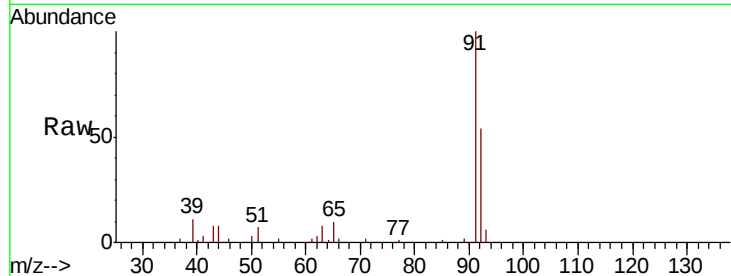
ClientSampled :

Tot Ion: 91 Resp: 25873

Ion Ratio Lower Upper

91 100

92 65.2 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

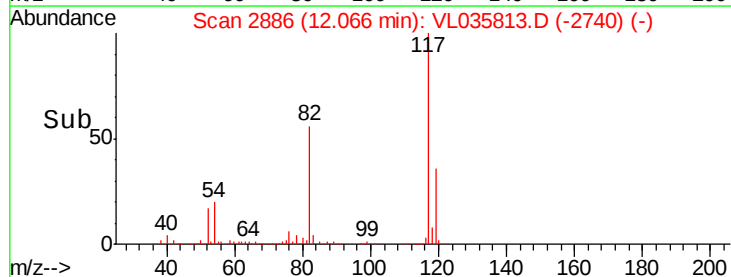
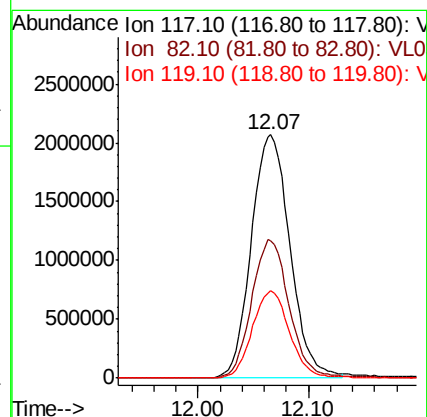
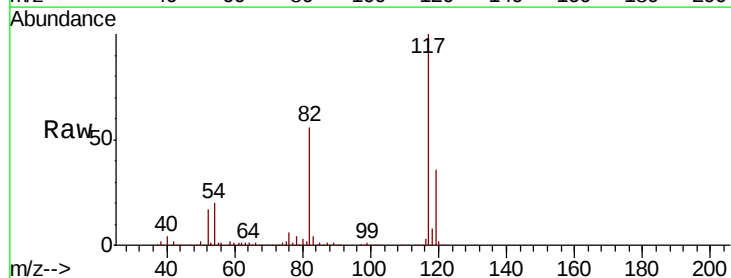
Tgt Ion: 117 Resp: 5034333

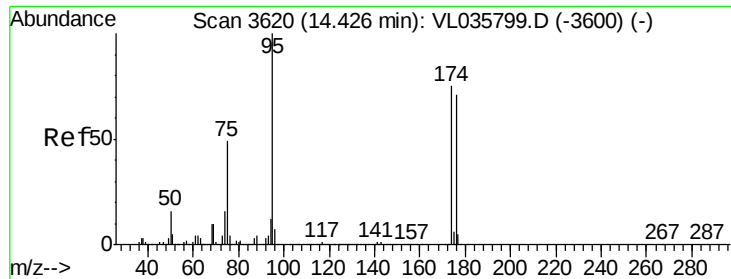
Ion Ratio Lower Upper

117 100

82 55.9 50.6 76.0

119 35.3 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.999 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL035813.D

Acq: 3 Nov 2020 21:20

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3576548

Ion Ratio Lower Upper

95 100

174 78.0 59.8 89.6

175 5.6 4.3 6.5

