

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110420\
 Data File : VL035847.D
 Acq On : 5 Nov 2020 00:40
 Operator : SY/AP
 Sample : L4220-02
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 05 02:59:09 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	852346	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.14	114	3623201	10.00	ppbv	-0.04
55) Chlorobenzene-d5	12.05	117	3323489	10.00	ppbv	-0.05

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.38	95	2294711	9.72	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.20%

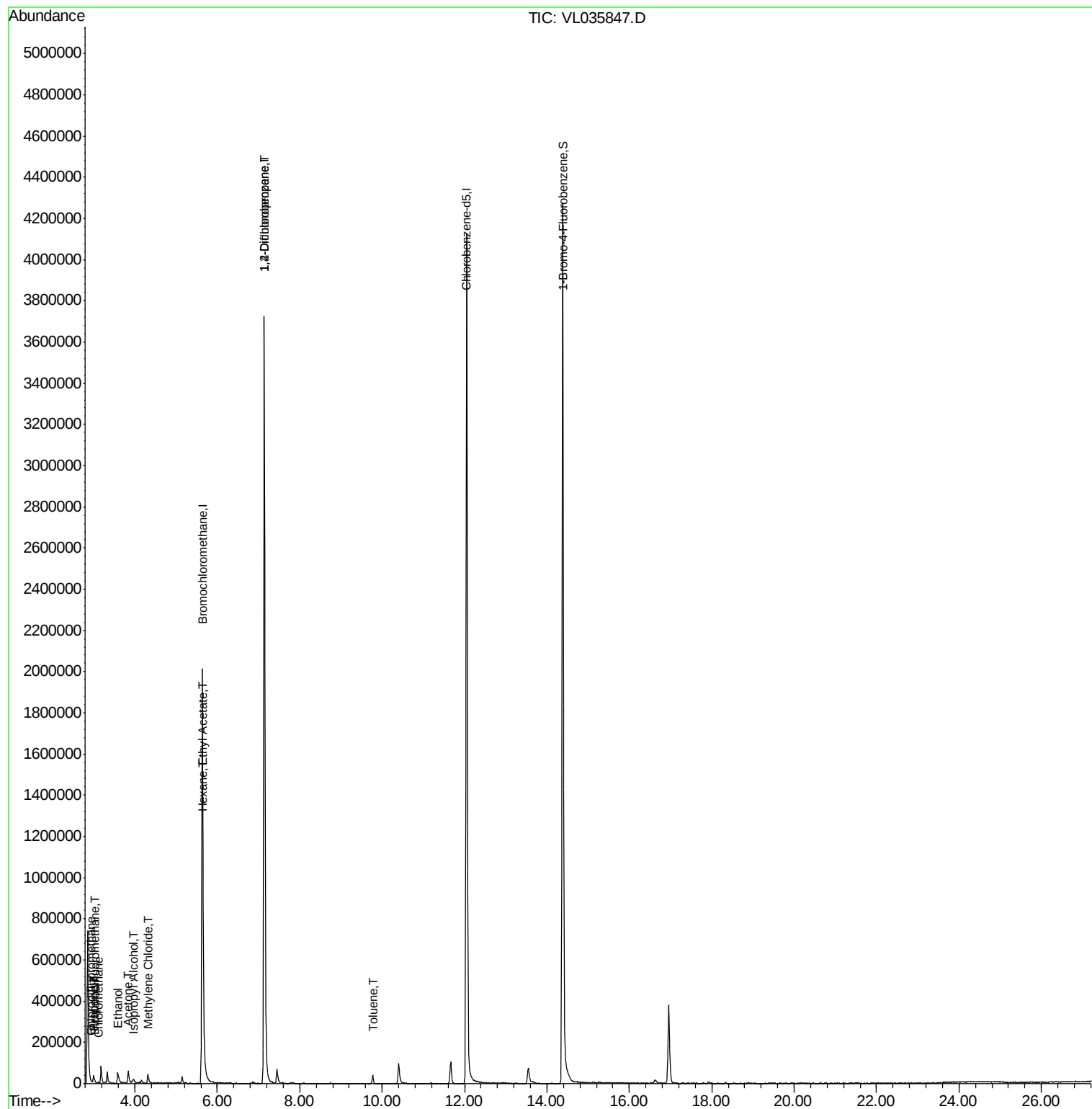
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	8015	0.050	ppbv	95
3) Chlorodifluoromethane	2.94	51	6892	0.068	ppbv #	73
4) Chloromethane	3.12	50	1827	0.037	ppbv	95
9) Propene	3.00	41	13242	0.354	ppbv	85
13) Ethanol	3.59	45	37857	4.671	ppbv #	35
15) Acetone	3.83	43	32078	0.352	ppbv #	1
19) Isopropyl Alcohol	3.96	45	16788	0.300	ppbv #	73
20) Methylene Chloride	4.32	84	24355	0.380	ppbv	87
25) Ethyl Acetate	5.66	43	12029	0.067	ppbv #	76
26) Hexane	5.66	57	17709	0.179	ppbv #	51
39) 1,2-Dichloropropane	7.14	63	673128	7.423	ppbv #	30
53) Toluene	9.77	91	35318	0.109	ppbv	99

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

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL110320AIR.M
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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: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :
MSVOA_L
ClientSampleId :

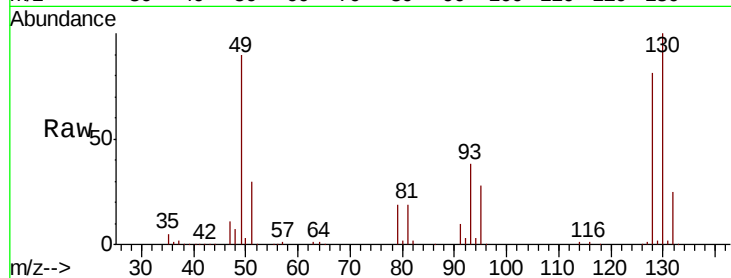
Tot Ion: 49 Resp: 852346

Ion Ratio Lower Upper

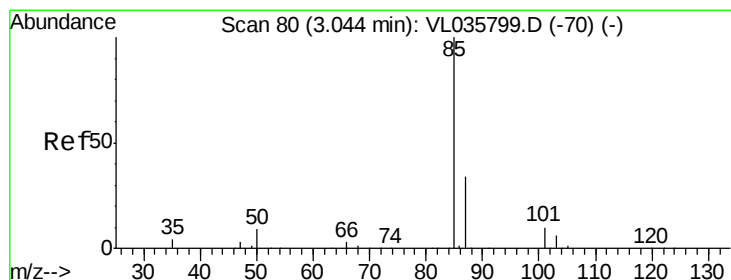
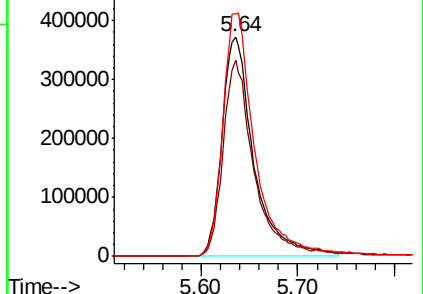
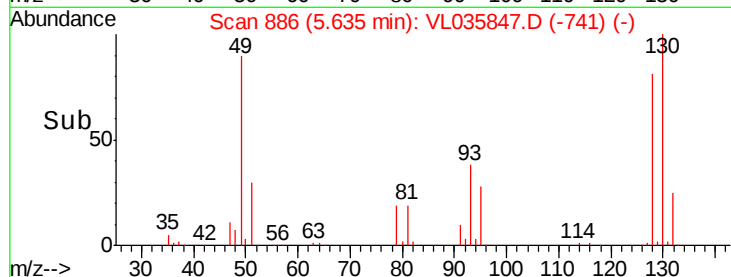
49 100

128 89.4 41.5 124.6

130 113.7 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: 0.050 ppbv

RT: 3.03 min Scan# 75

Delta R.T. -0.02 min

Lab File: VL035847.D

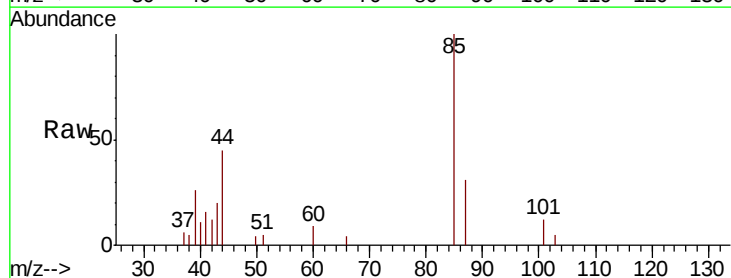
Acq: 5 Nov 2020 00:40

Tgt Ion: 85 Resp: 8015

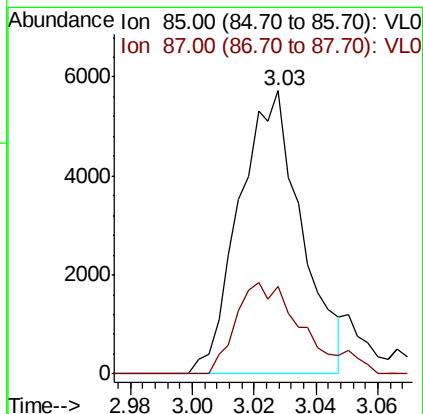
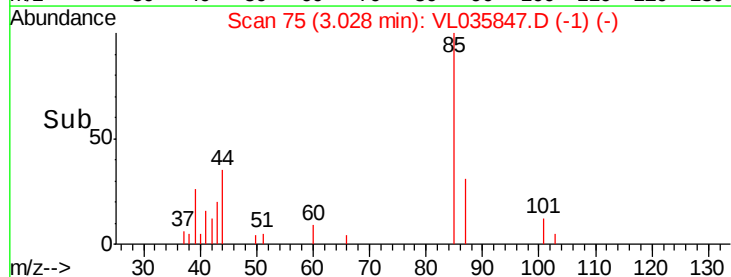
Ion Ratio Lower Upper

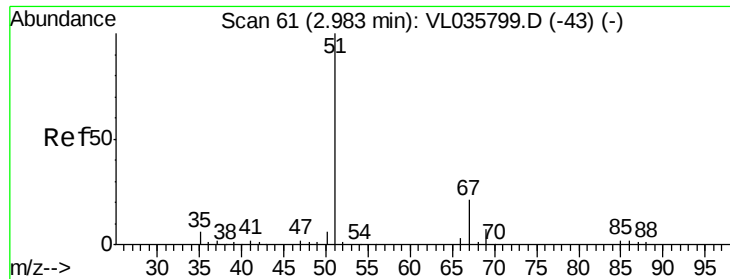
85 100

87 30.8 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: 0.068 ppbv

RT: 2.94 min Scan# 48

Delta R.T. -0.04 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :

MSVOA_L

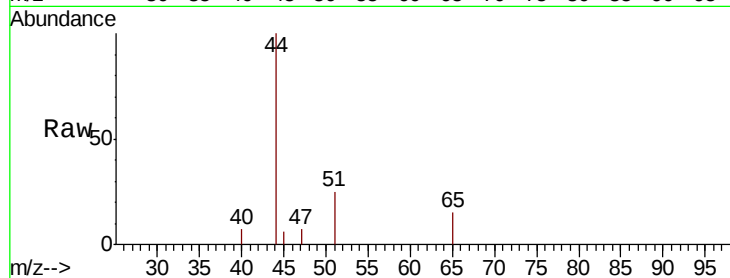
ClientSampled :

Tot Ion: 51 Resp: 6892

Ion Ratio Lower Upper

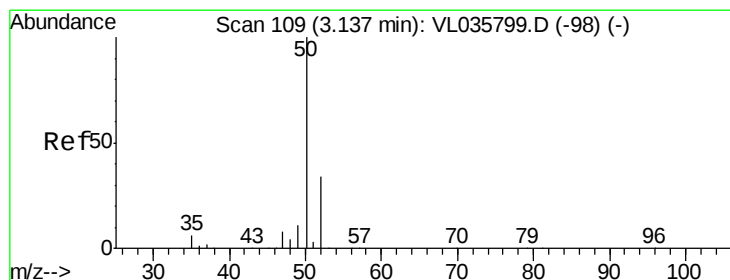
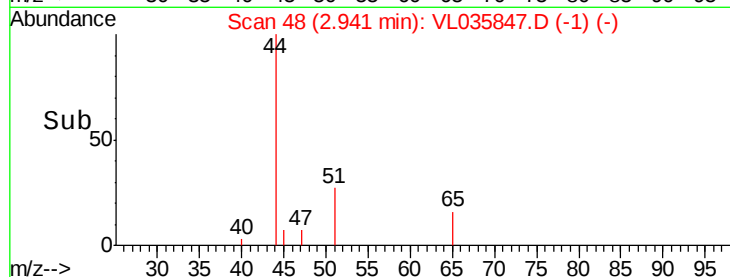
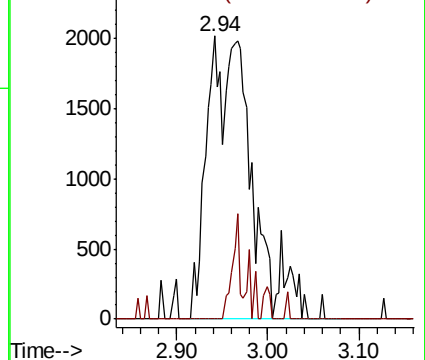
51 100

67 8.3 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#4

Chloromethane

Concen: 0.037 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL035847.D

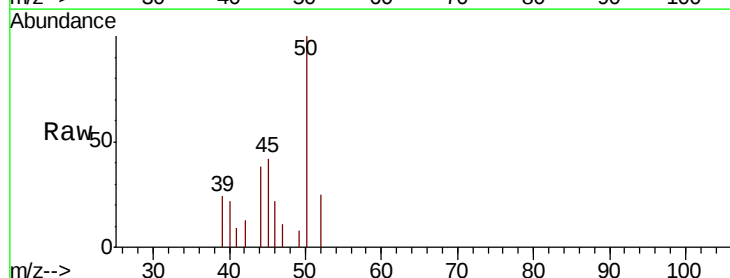
Acq: 5 Nov 2020 00:40

Tgt Ion: 50 Resp: 1827

Ion Ratio Lower Upper

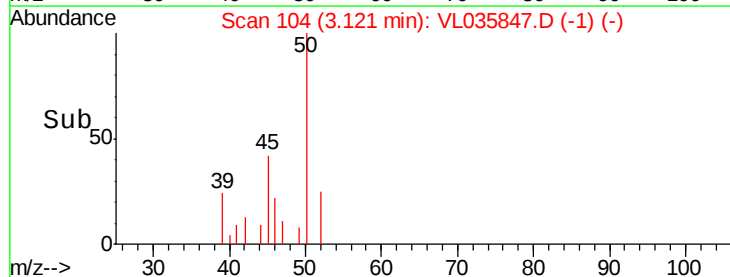
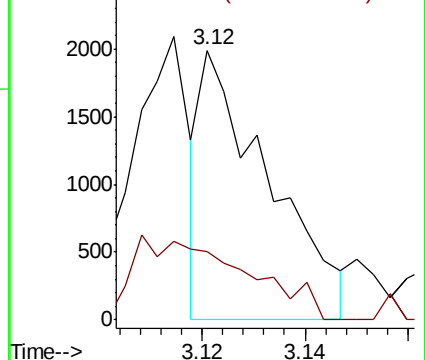
50 100

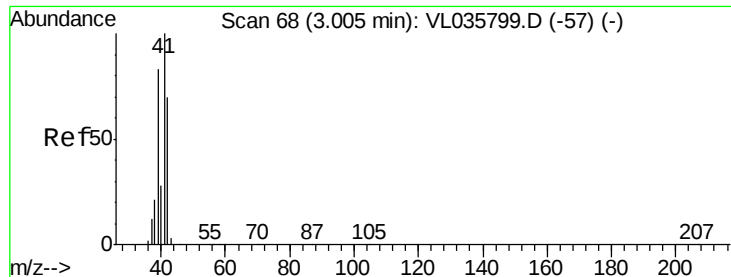
52 30.8 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.354 ppbv

RT: 3.00 min Scan# 66

Delta R.T. -0.01 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :

MSVOA_L

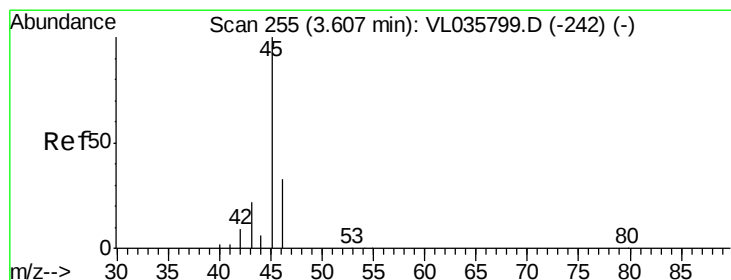
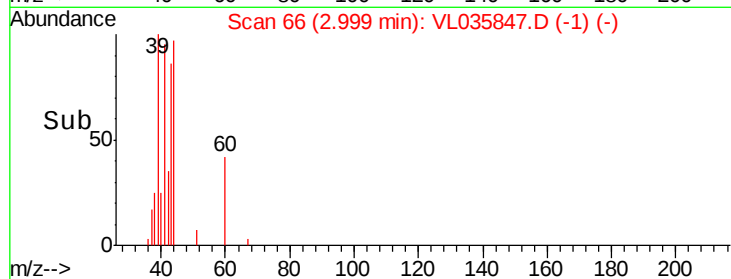
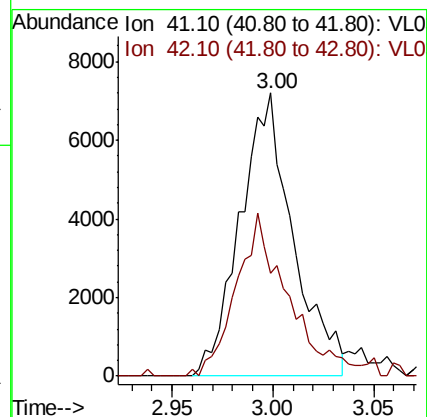
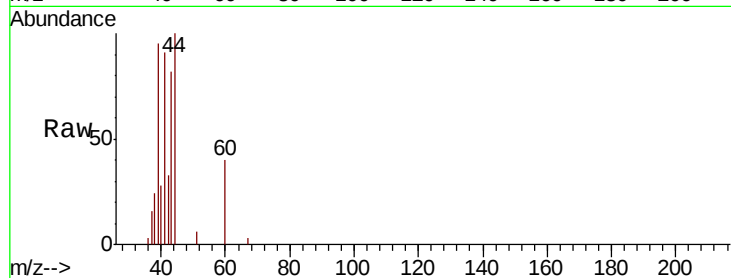
ClientSampleId :

Tot Ion: 41 Resp: 13242

Ion Ratio Lower Upper

41 100

42 58.1 56.2 84.4



#13

Ethanol

Concen: 4.671 ppbv

RT: 3.59 min Scan# 250

Delta R.T. -0.02 min

Lab File: VL035847.D

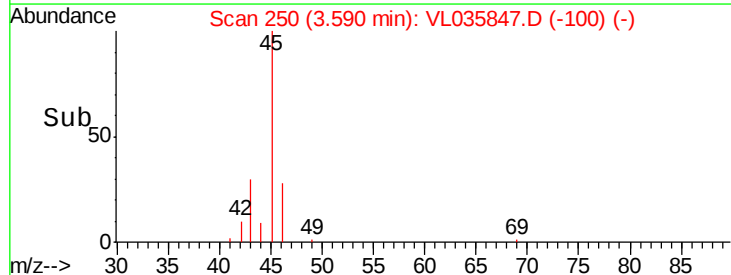
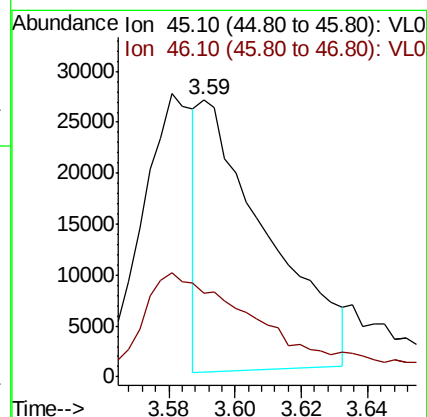
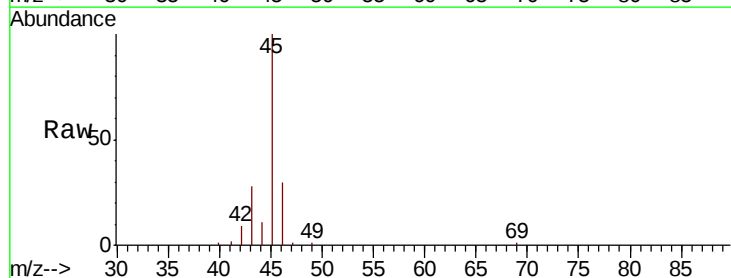
Acq: 5 Nov 2020 00:40

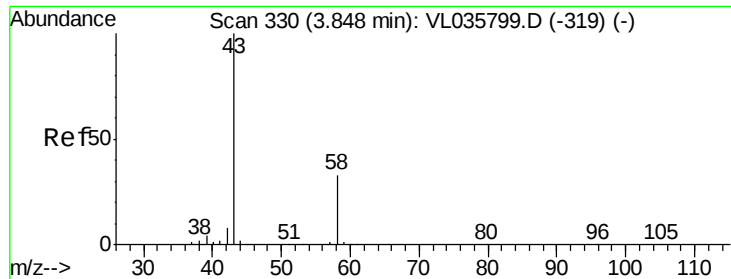
Tgt Ion: 45 Resp: 37857

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#





#15

Acetone

Concen: 0.352 ppbv

RT: 3.83 min Scan# 325

Delta R.T. -0.02 min

Lab File: VL035847.D

Acq: 5 Nov 2020 00:40

Instrument :

MSVOA_L

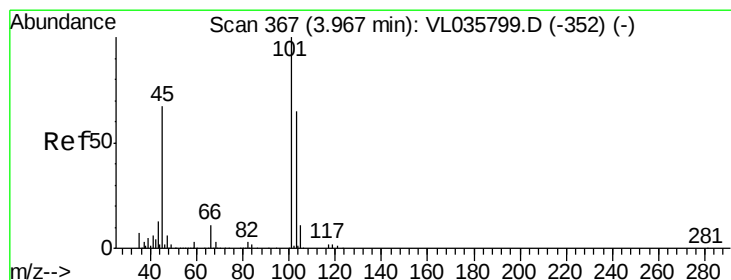
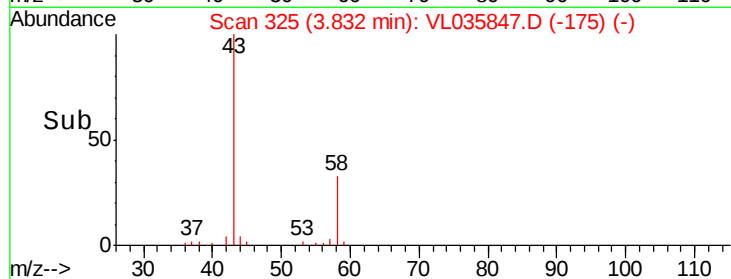
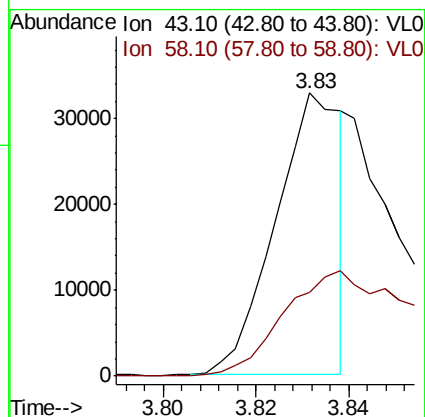
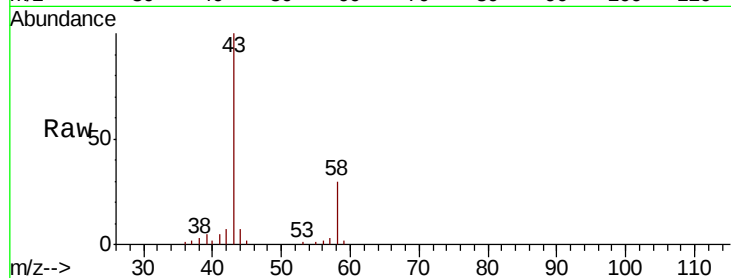
ClientSampleId :

Tot Ion: 43 Resp: 32078

Ion Ratio Lower Upper

43 100

58 93.0 27.5 41.3#



#19

Isopropyl Alcohol

Concen: 0.300 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL035847.D

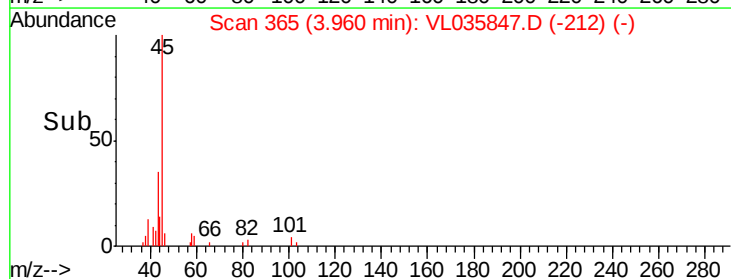
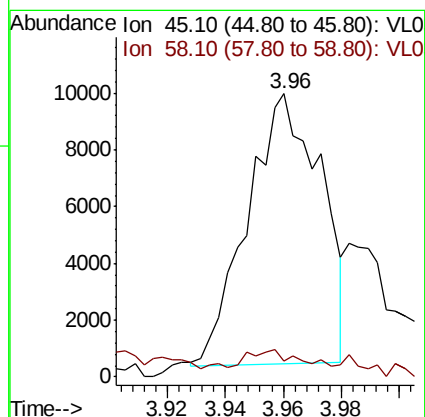
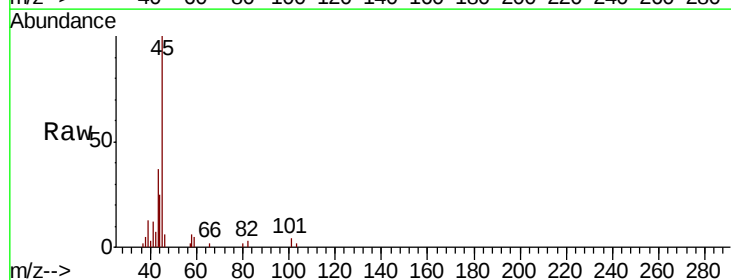
Acq: 5 Nov 2020 00:40

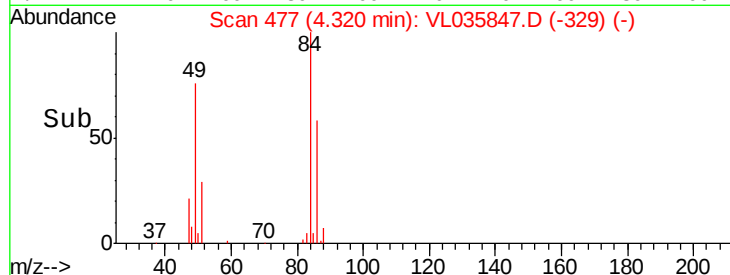
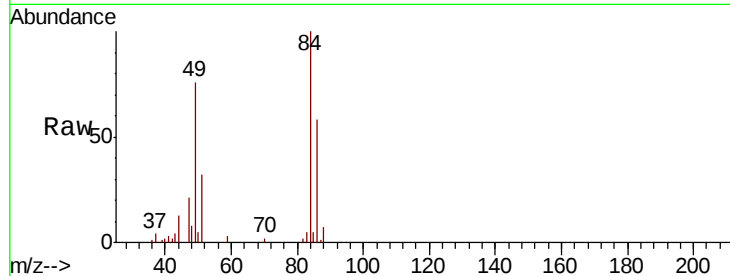
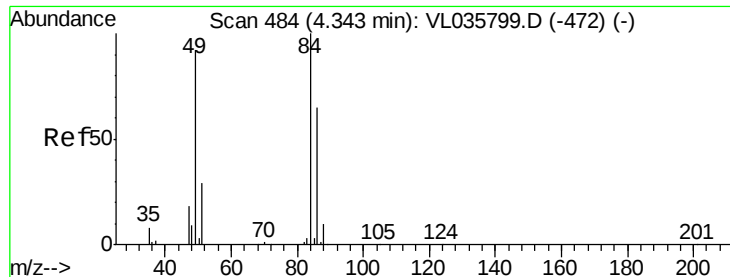
Tgt Ion: 45 Resp: 16788

Ion Ratio Lower Upper

45 100

58 12.2 2.6 3.8#

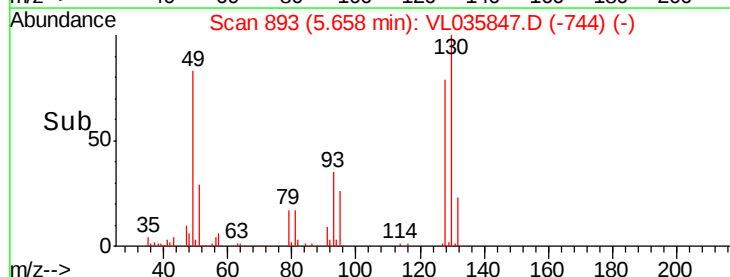
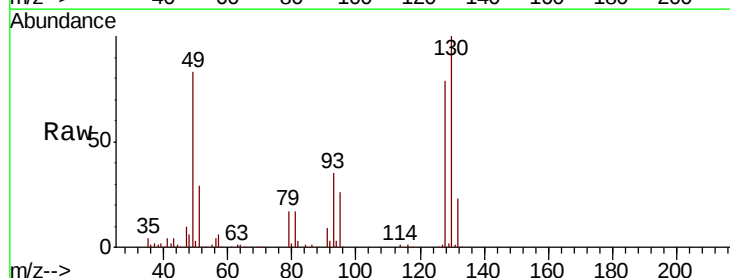
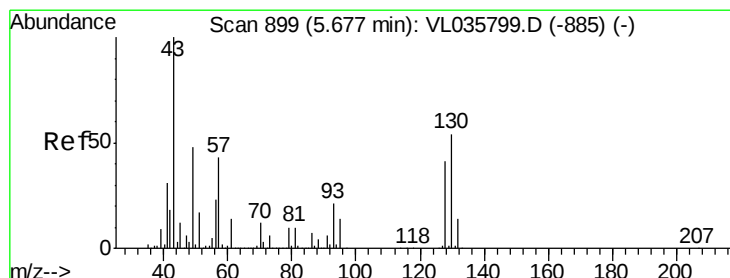
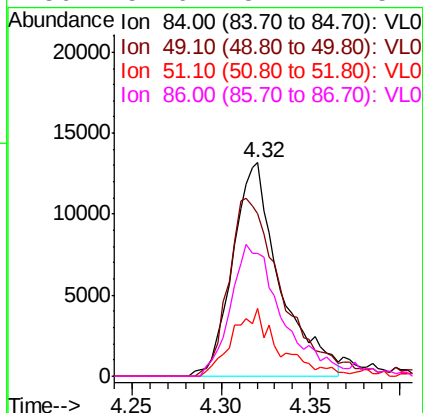




#20
Methvlene Chloride
Concen: 0.380 ppbv
RT: 4.32 min Scan# 477
Delta R.T. -0.02 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

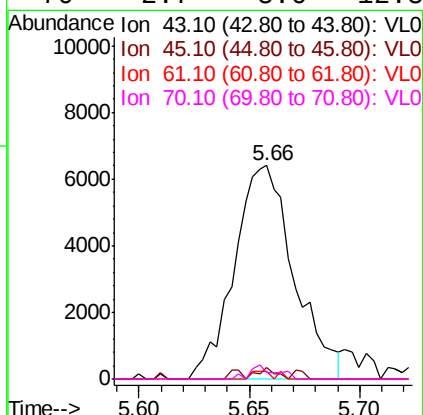
Instrument :
MSVOA_L
ClientSampleId :

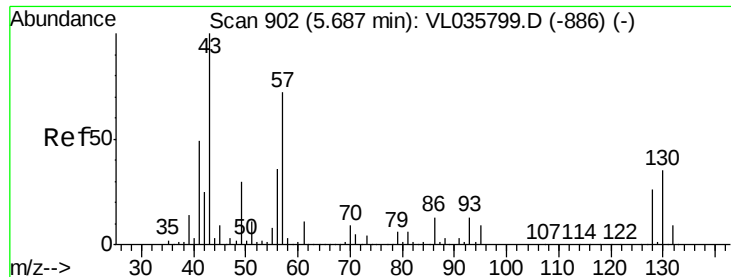
Tot Ion:	84	Resp:	24355
Ion	Ratio	Lower	Upper
84	100		
49	76.0	73.8	110.8
51	32.0	23.0	34.4
86	57.6	52.1	78.1



#25
Ethyl Acetate
Concen: 0.067 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Tgt Ion:	43	Resp:	12029
Ion	Ratio	Lower	Upper
43	100		
45	3.3	8.5	12.7#
61	1.4	10.7	16.1#
70	2.7	8.6	12.8#

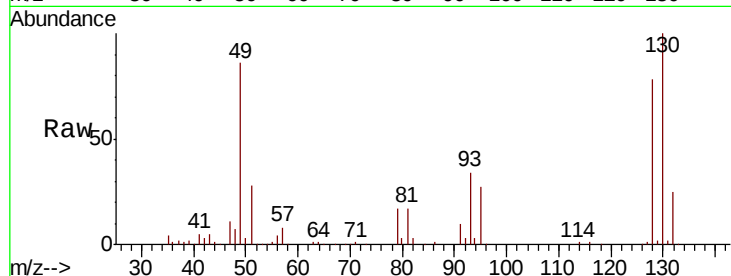




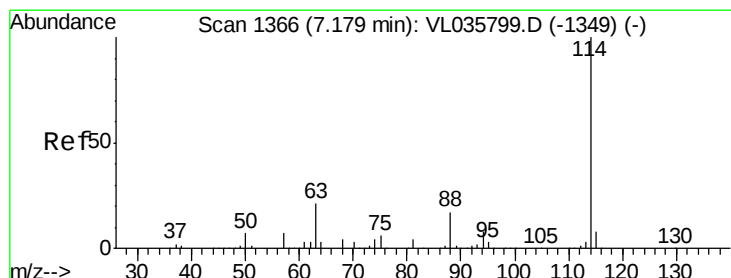
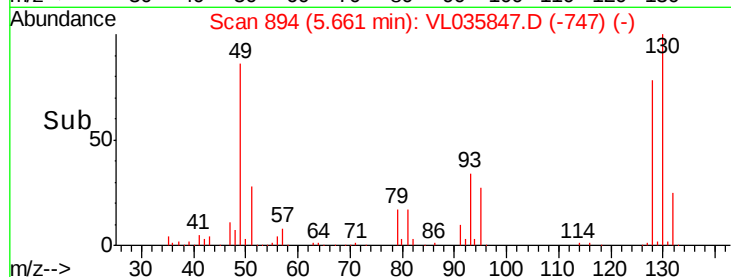
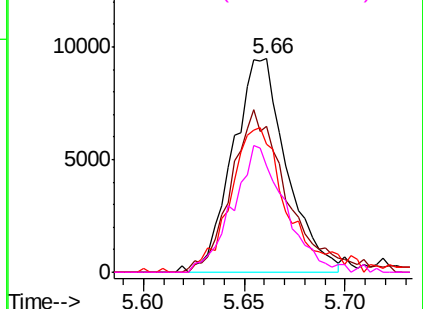
#26
Hexane
Concen: 0.179 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.03 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 57 Resp: 17709
Ion Ratio Lower Upper
57 100
41 80.1 58.9 88.3
43 75.4 150.2 225.2#
56 58.1 42.4 63.6

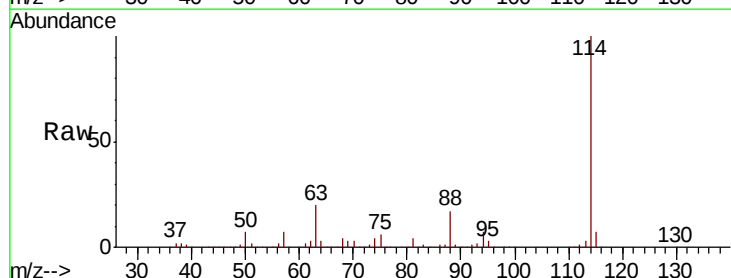


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

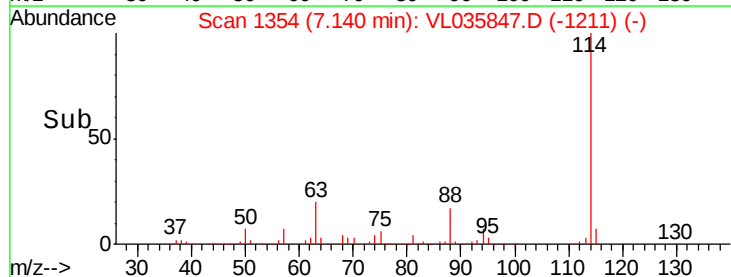
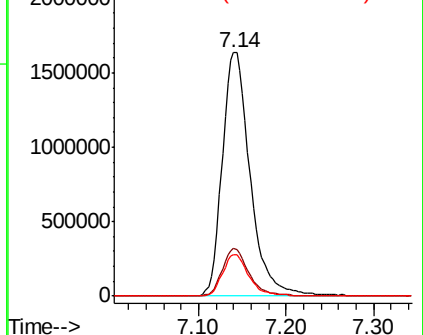


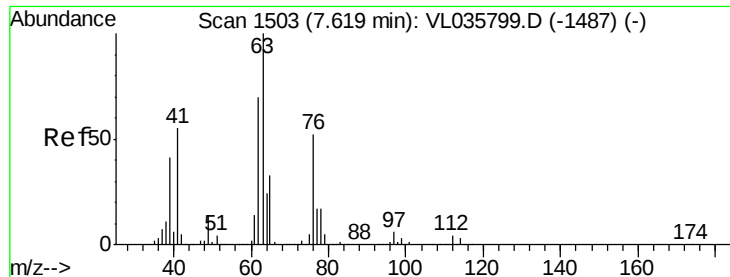
#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.14 min Scan# 1354
Delta R.T. -0.04 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Tgt Ion: 114 Resp: 3623201
Ion Ratio Lower Upper
114 100
63 18.8 16.1 24.1
88 16.4 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

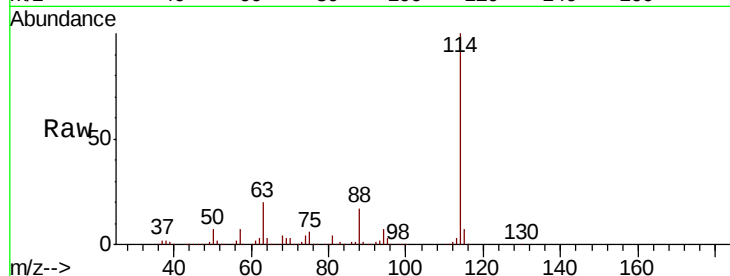




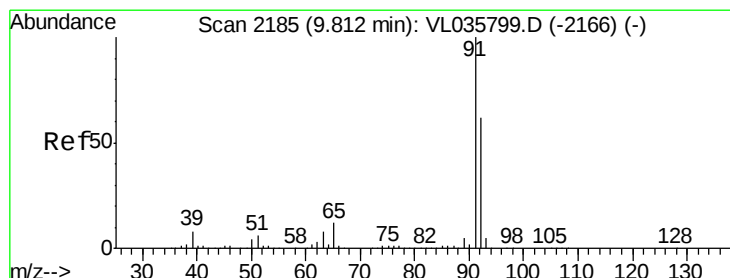
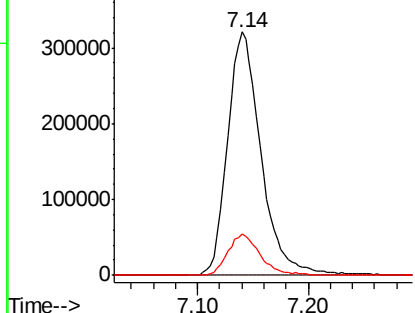
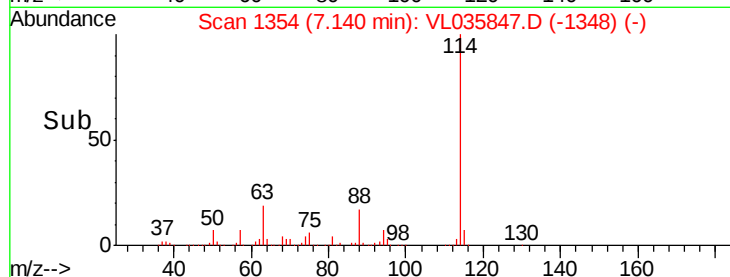
#39
 1,2-Dichloropropane
 Concen: 7.423 ppbv
 RT: 7.14 min Scan# 1354
 Delta R.T. -0.48 min
 Lab File: VL035847.D
 Acq: 5 Nov 2020 00:40

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	63	Resp	673128
Ion Ratio	Lower	Upper	
63	100		
41	0.0	43.8	65.6#
62	17.0	56.2	84.2#

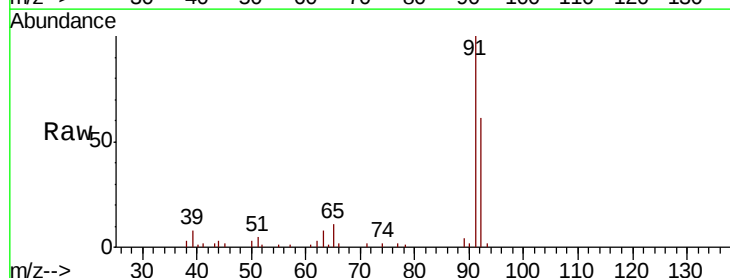


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

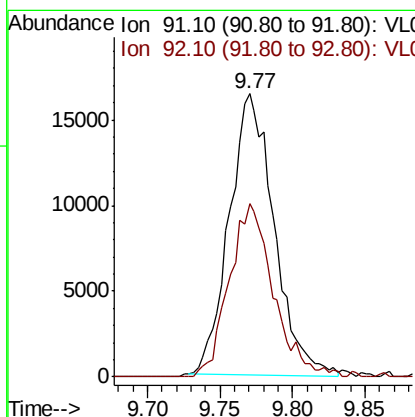
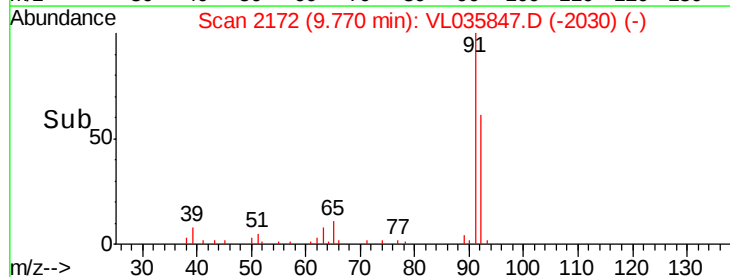


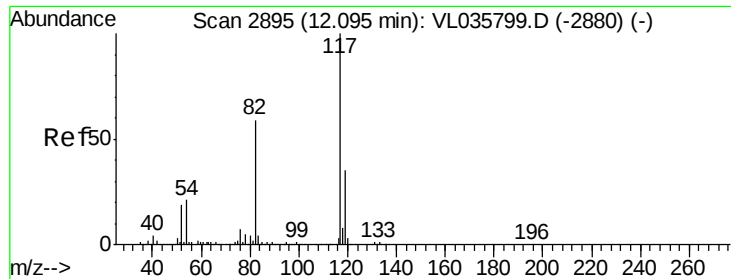
#53
 Toluene
 Concen: 0.109 ppbv
 RT: 9.77 min Scan# 2172
 Delta R.T. -0.04 min
 Lab File: VL035847.D
 Acq: 5 Nov 2020 00:40

Tgt Ion	91	Resp	35318
Ion Ratio	Lower	Upper	
91	100		
92	61.2	49.8	74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0

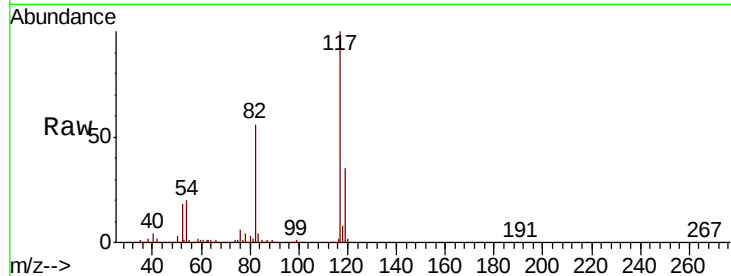




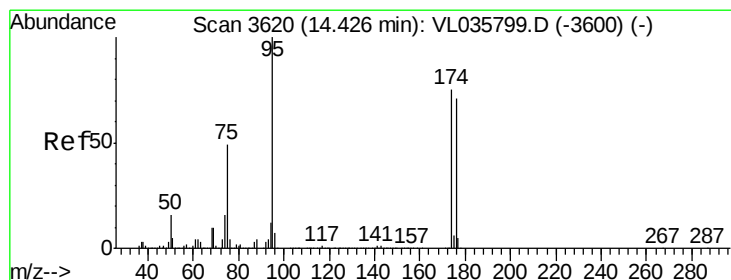
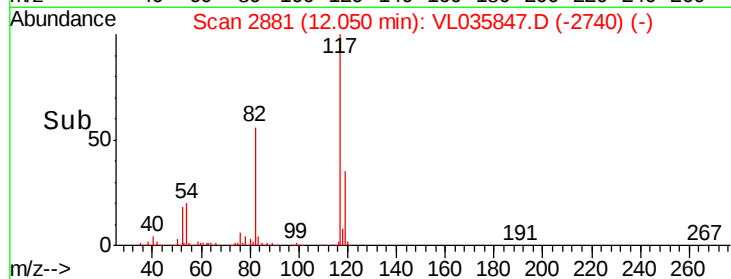
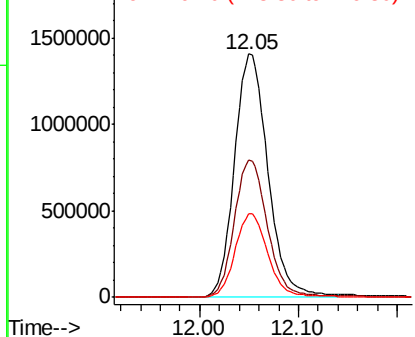
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.05 min Scan# 2881
Delta R.T. -0.05 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3323489
Ion Ratio Lower Upper
117 100
82 56.9 50.6 76.0
119 34.1 52.6 78.8#

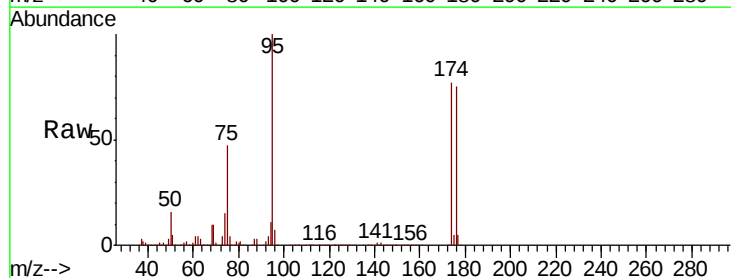


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V



#68
1-Bromo-4-Fluorobenzene
Concen: 9.718 ppbv
RT: 14.38 min Scan# 3607
Delta R.T. -0.04 min
Lab File: VL035847.D
Acq: 5 Nov 2020 00:40

Tgt Ion: 95 Resp: 2294711
Ion Ratio Lower Upper
95 100
174 80.5 59.8 89.6
175 5.6 4.3 6.5



Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V

