

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL112420\
 Data File : VL036013.D
 Acq On : 25 Nov 2020 3:38
 Operator : SY/AP
 Sample : L4883-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Nov 25 07:18:42 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	1309630	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	4449312	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	4120311	10.00	ppbv	-0.04

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	3082656	10.53	ppbv	-0.04
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.30%

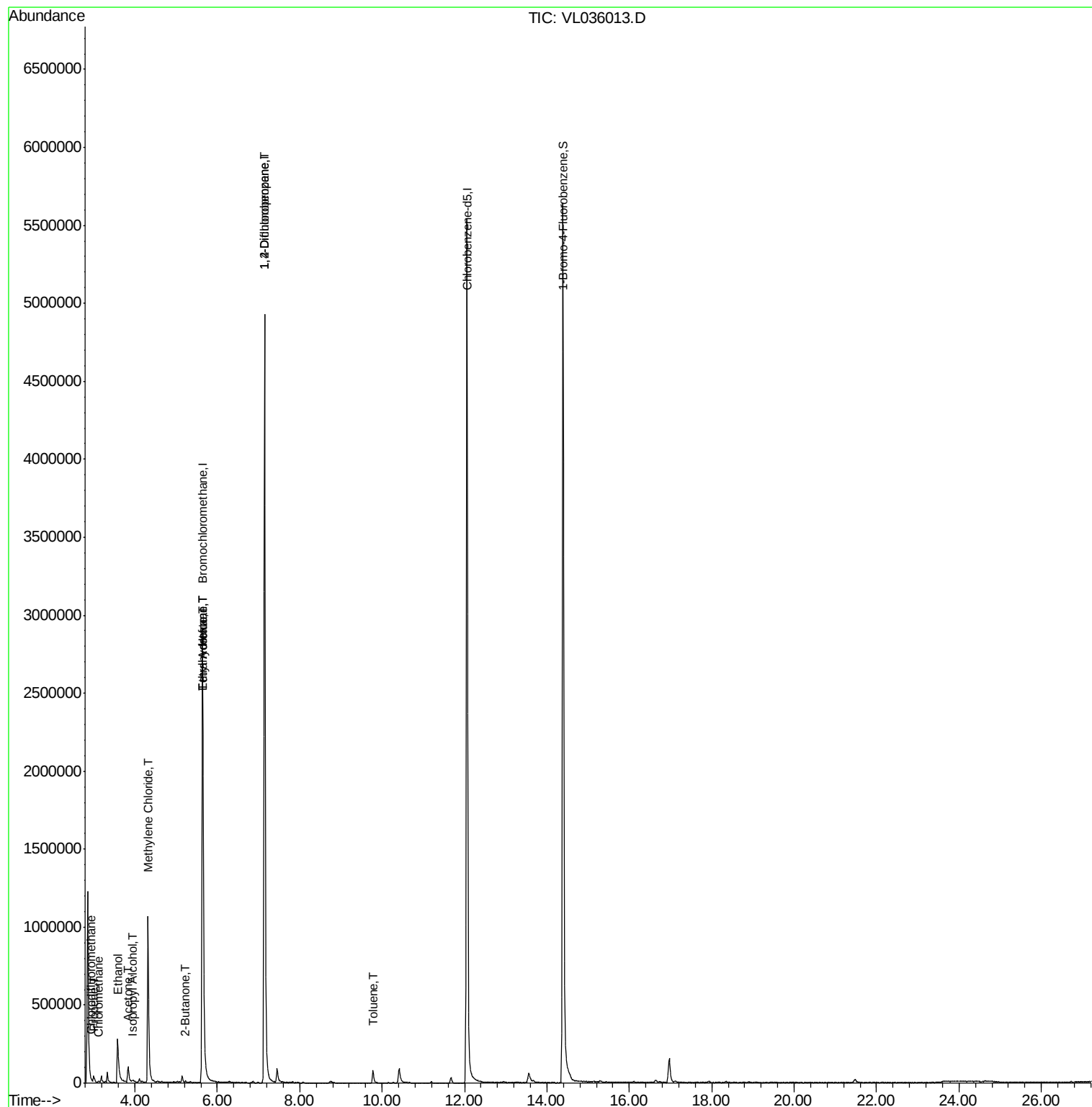
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.94	51	15584	0.099	ppbv #	71
4) Chloromethane	3.12	50	4209	0.055	ppbv #	79
9) Propene	2.99	41	13220	0.230	ppbv	90
13) Ethanol	3.58	45	408250	32.783	ppbv	96
15) Acetone	3.83	43	123652	0.883	ppbv #	86
19) Isopropyl Alcohol	3.95	45	6710	0.078	ppbv #	33
20) Methylene Chloride	4.32	84	585335	5.939	ppbv	98
25) Ethyl Acetate	5.66	43	121746	0.441	ppbv #	72
26) Hexane	5.66	57	199243	1.310	ppbv #	45
34) 2-Butanone	5.22	43	5193	0.036	ppbv #	42
39) 1,2-Dichloropropane	7.15	63	921885	8.278	ppbv #	30
41) Tetrahydrofuran	5.66	42	75057	0.915	ppbv #	36
53) Toluene	9.78	91	73878	0.185	ppbv	98

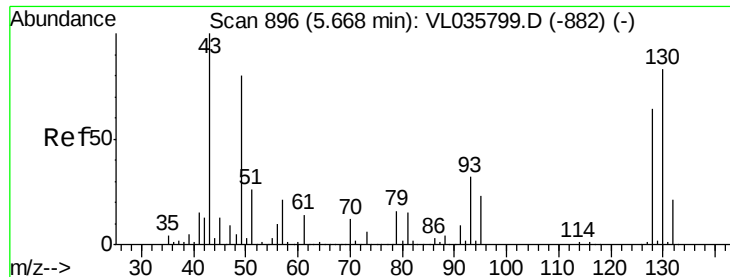
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL112420\
Data File : VL036013.D
Acq On : 25 Nov 2020 3:38
Operator : SY/AP
Sample : L4883-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Nov 25 07:18:42 2020
Quant Method : Z:\V0ASRV\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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 887

Delta R.T. -0.03 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Instrument :

MSVOA_L

ClientSampleId :

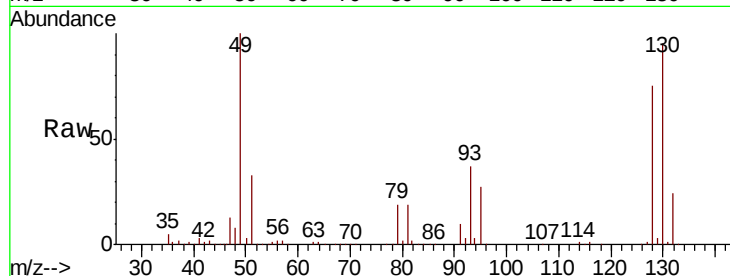
Tot Ion: 49 Resp: 1309630

Ion Ratio Lower Upper

49 100

128 75.4 41.5 124.6

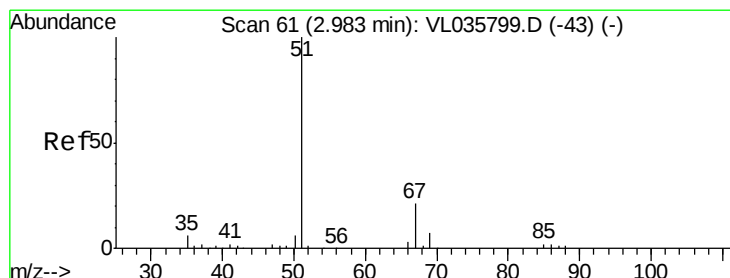
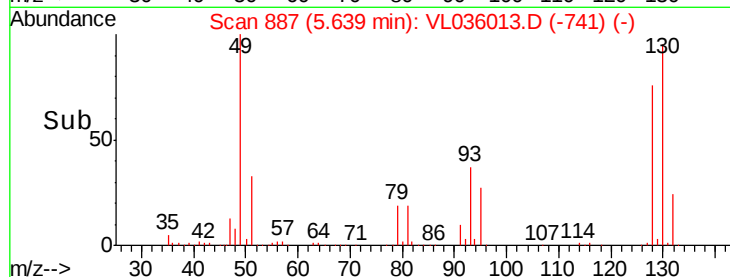
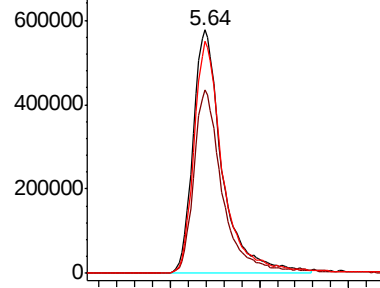
130 96.2 53.7 161.1



Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.099 ppbv

RT: 2.94 min Scan# 49

Delta R.T. -0.04 min

Lab File: VL036013.D

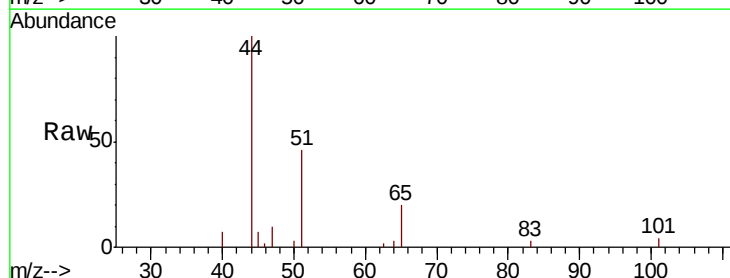
Acq: 25 Nov 2020 3:38

Tgt Ion: 51 Resp: 15584

Ion Ratio Lower Upper

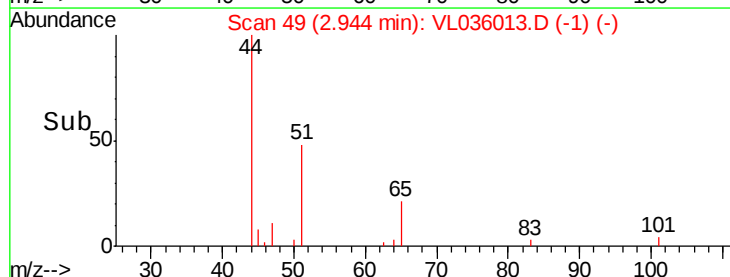
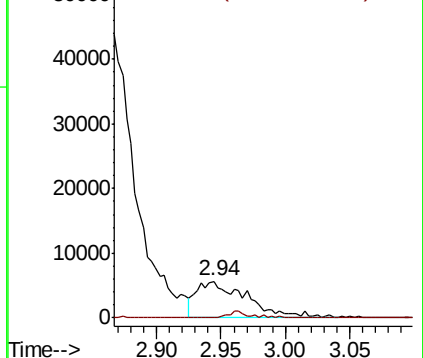
51 100

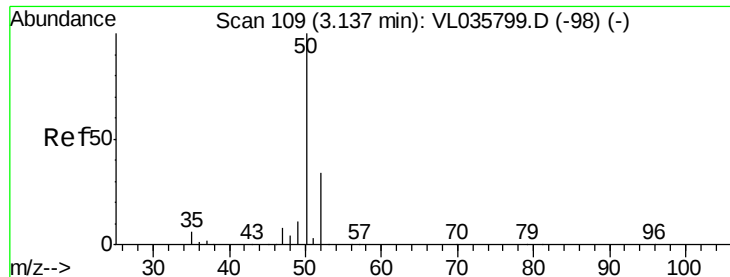
67 7.5 17.0 25.4#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





#4

Chloromethane

Concen: 0.055 ppbv

RT: 3.12 min Scan# 104

Delta R.T. -0.02 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Instrument :

MSVOA_L

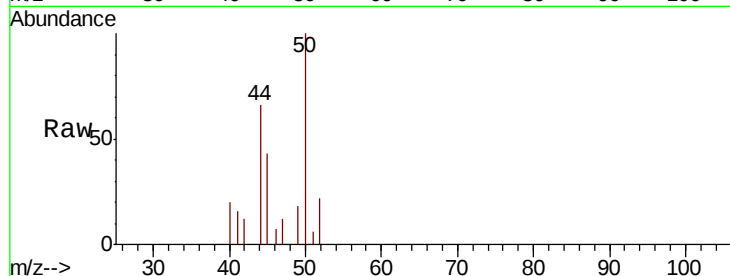
ClientSampleId :

Tot Ion: 50 Resp: 4209

Ion Ratio Lower Upper

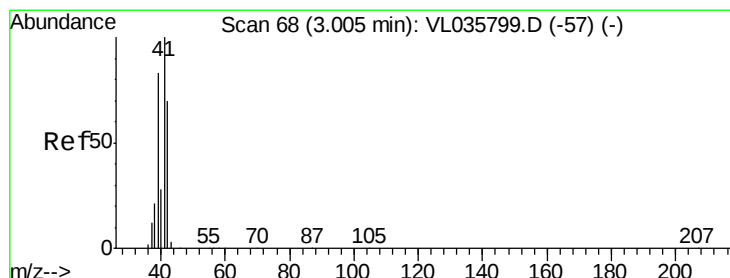
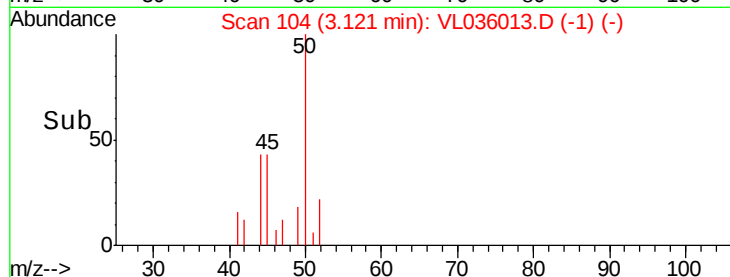
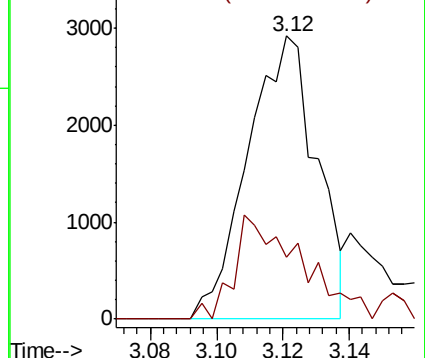
50 100

52 21.9 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: 0.230 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL036013.D

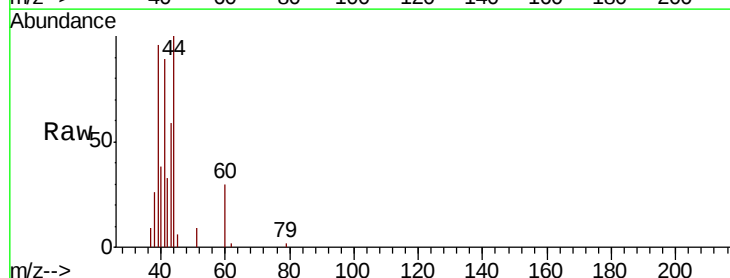
Acq: 25 Nov 2020 3:38

Tgt Ion: 41 Resp: 13220

Ion Ratio Lower Upper

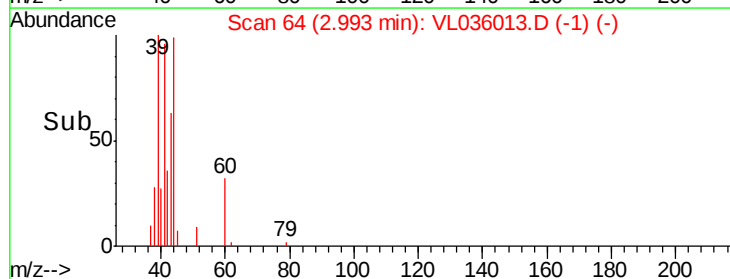
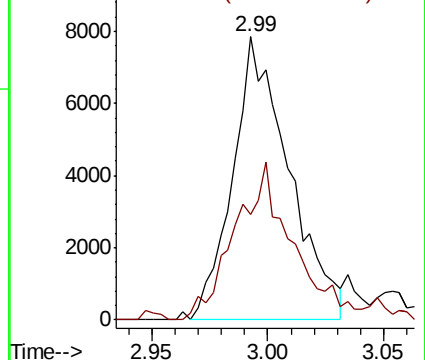
41 100

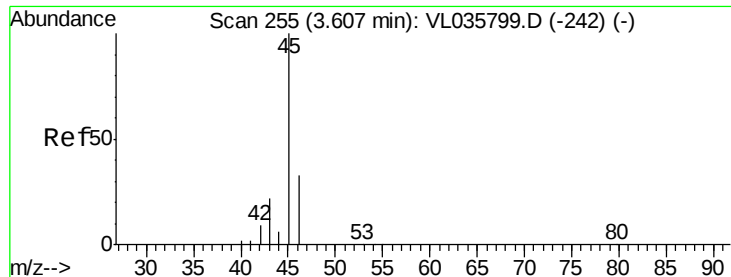
42 61.8 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 32.783 ppbv

RT: 3.58 min Scan# 247

Delta R.T. -0.03 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Instrument :

MSVOA_L

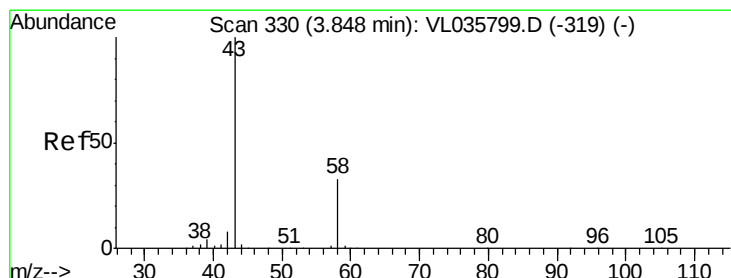
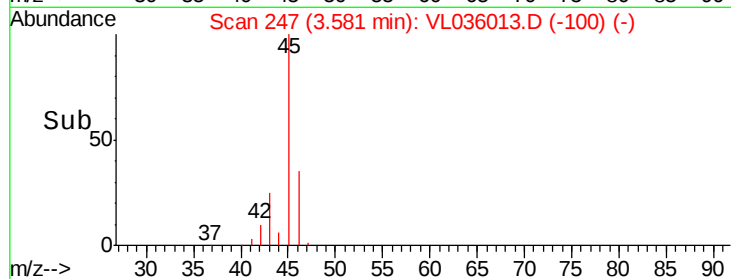
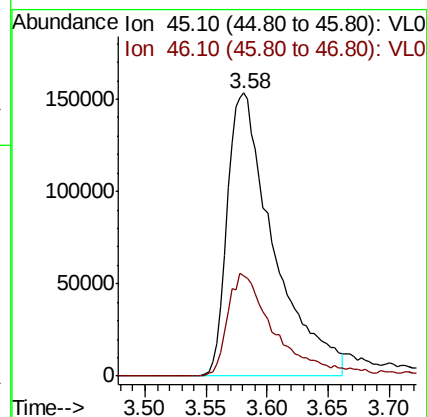
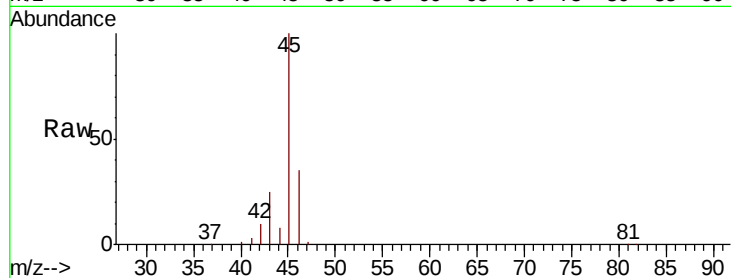
ClientSampleId :

Tot Ion: 45 Resp: 408250

Ion Ratio Lower Upper

45 100

46 38.0 16.1 64.5



#15

Acetone

Concen: 0.883 ppbv

RT: 3.83 min Scan# 324

Delta R.T. -0.02 min

Lab File: VL036013.D

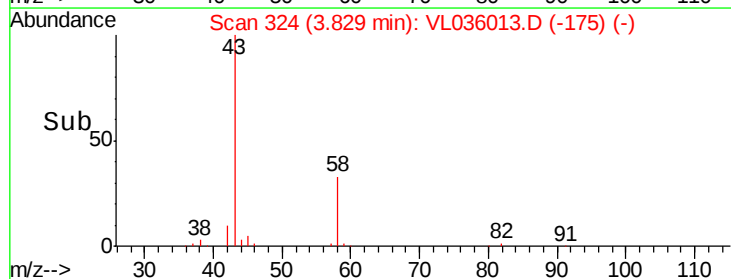
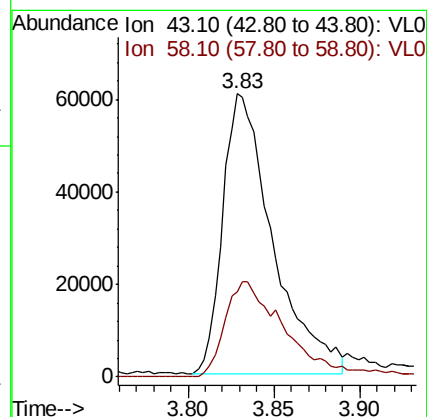
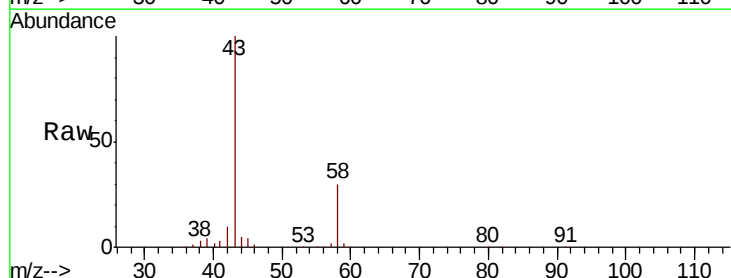
Acq: 25 Nov 2020 3:38

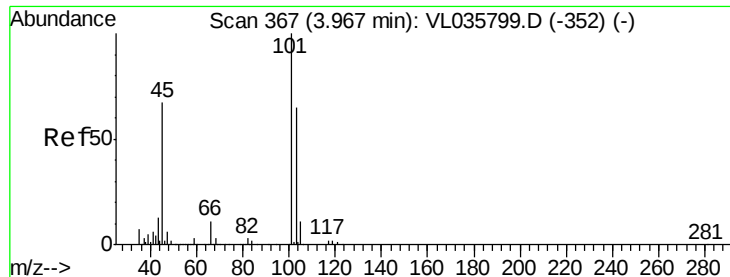
Tgt Ion: 43 Resp: 123652

Ion Ratio Lower Upper

43 100

58 42.7 27.5 41.3#





#19

Isopropyl Alcohol

Concen: 0.078 ppbv

RT: 3.95 min Scan# 363

Delta R.T. -0.01 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Instrument :

MSVOA_L

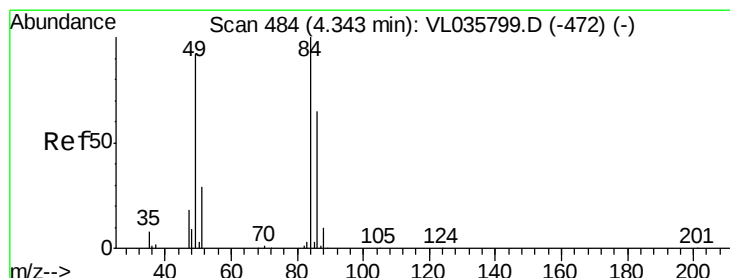
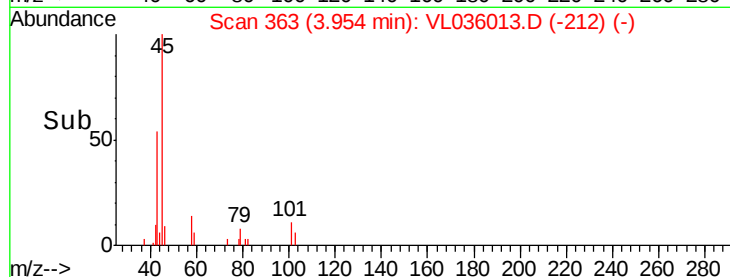
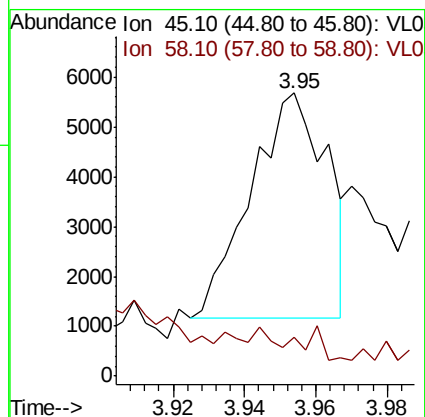
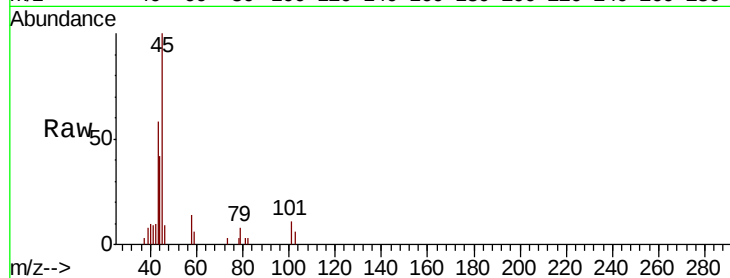
ClientSampleId :

Tot Ion: 45 Resp: 6710

Ion Ratio Lower Upper

45 100

58 25.4 2.6 3.8#



#20

Methylene Chloride

Concen: 5.939 ppbv

RT: 4.32 min Scan# 476

Delta R.T. -0.03 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Tgt Ion: 84 Resp: 585335

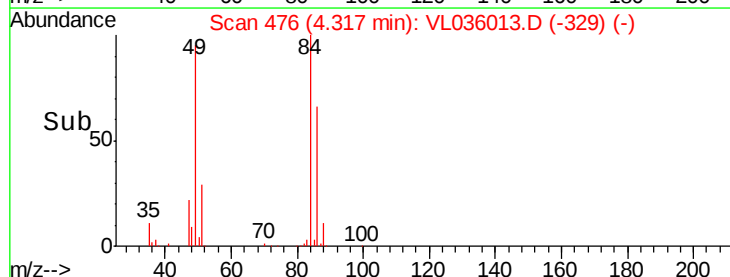
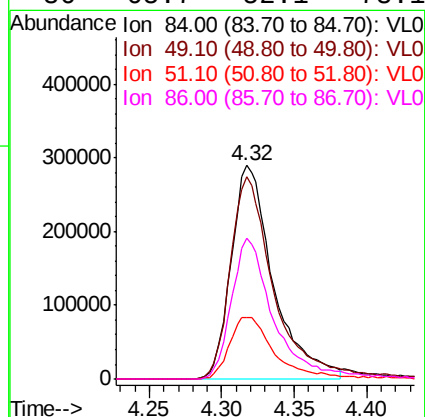
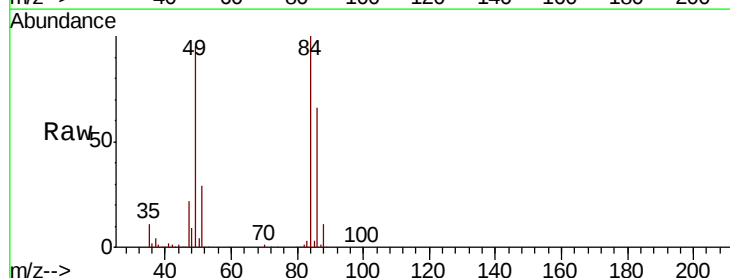
Ion Ratio Lower Upper

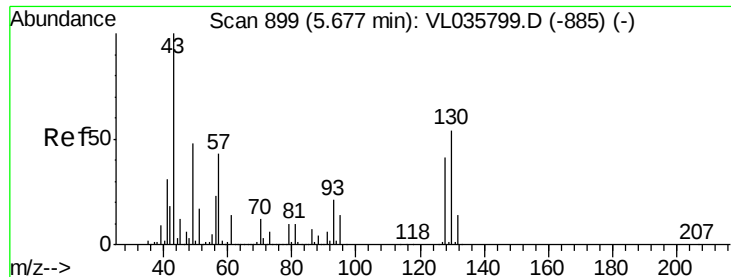
84 100

49 94.9 73.8 110.8

51 29.0 23.0 34.4

86 65.7 52.1 78.1

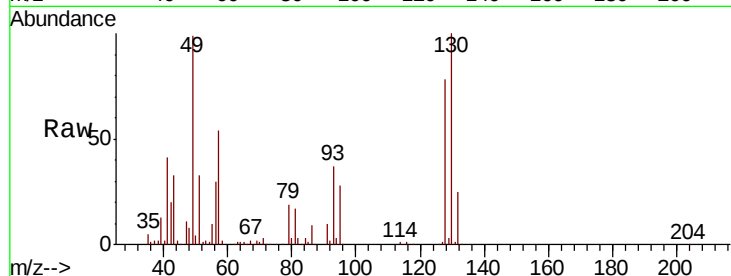




#25
Ethyl Acetate
Concen: 0.441 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036013.D
Acq: 25 Nov 2020 3:38

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion	43	Resp	121746
Ion	Ratio	Lower	Upper
43	100		
45	0.6	8.5	12.7#
61	0.1	10.7	16.1#
70	2.4	8.6	12.8#



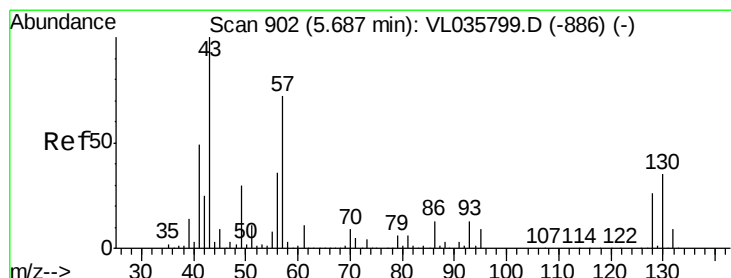
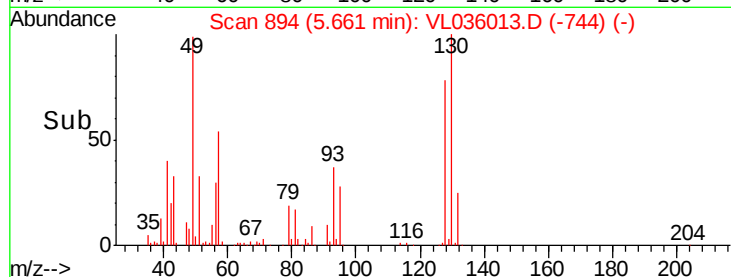
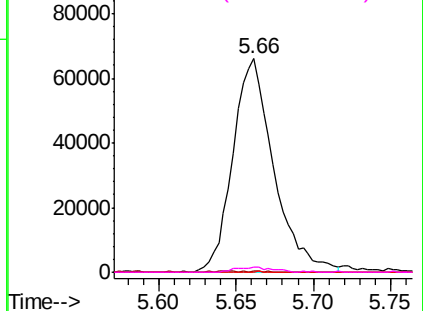
Abundance

Ion 43.10 (42.80 to 43.80): VL0

Ion 45.10 (44.80 to 45.80): VL0

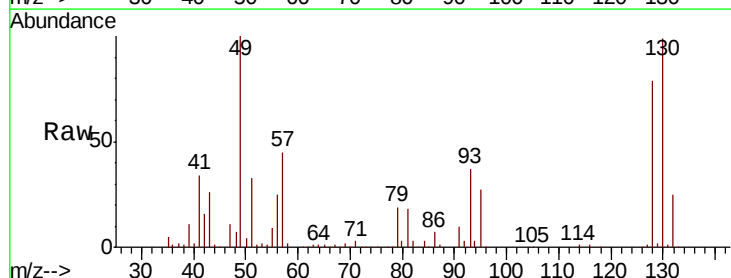
Ion 61.10 (60.80 to 61.80): VL0

Ion 70.10 (69.80 to 70.80): VL0



#26
Hexane
Concen: 1.310 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.03 min
Lab File: VL036013.D
Acq: 25 Nov 2020 3:38

Tgt Ion	57	Resp	199243
Ion	Ratio	Lower	Upper
57	100		
41	82.6	58.9	88.3
43	62.8	150.2	225.2#
56	60.0	42.4	63.6



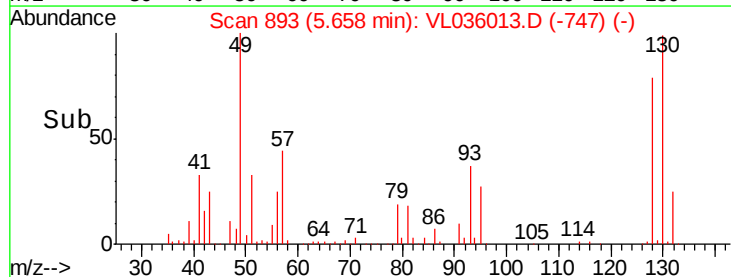
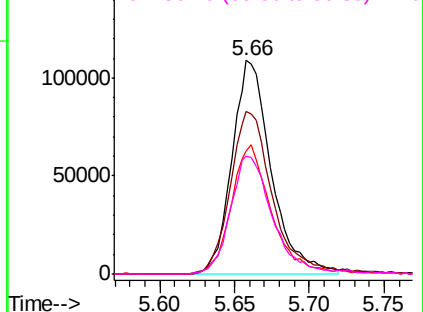
Abundance

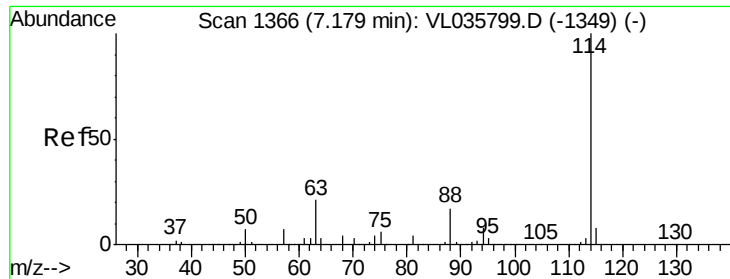
Ion 57.10 (56.80 to 57.80): VL0

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

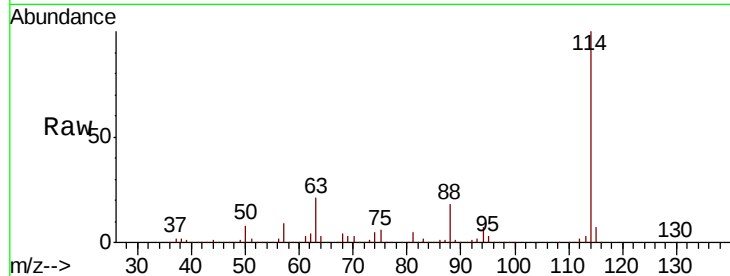




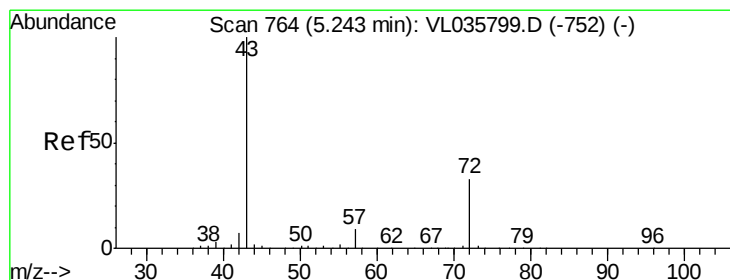
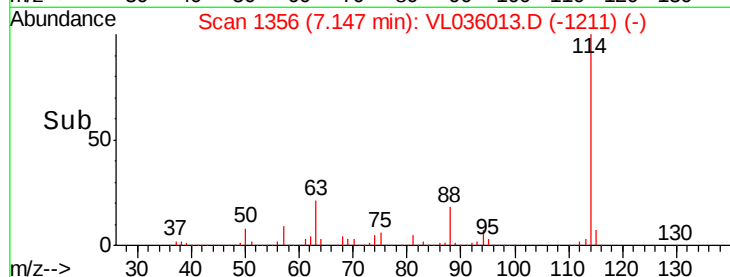
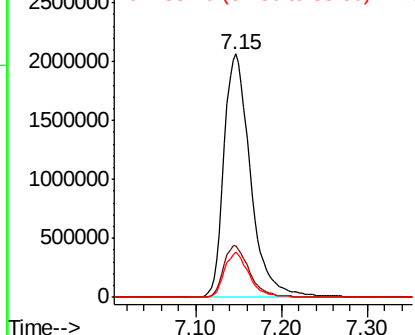
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.03 min
 Lab File: VL036013.D
 Acq: 25 Nov 2020 3:38

Instrument :
 MSVOA_L
 ClientSampled :

Tot Ion:114 Resp: 4449312
 Ion Ratio Lower Upper
 114 100
 63 20.9 16.1 24.1
 88 17.5 13.7 20.5

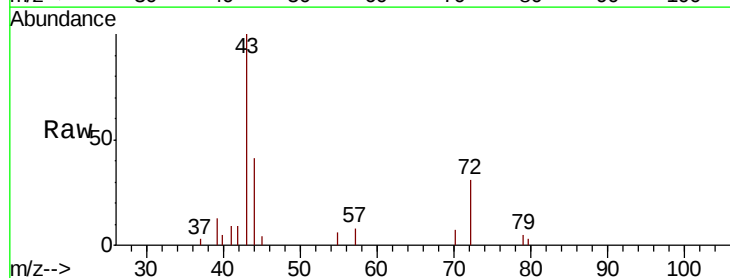


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

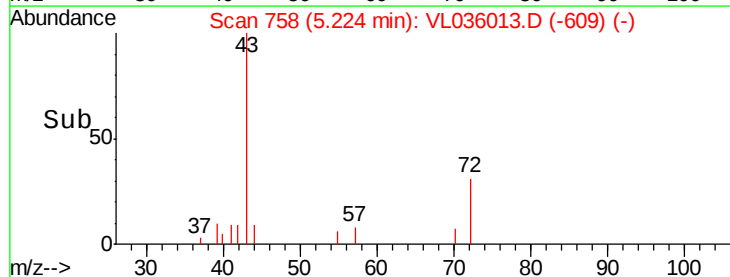
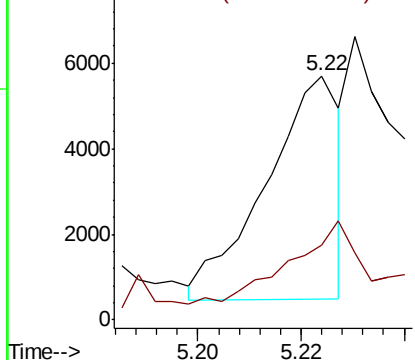


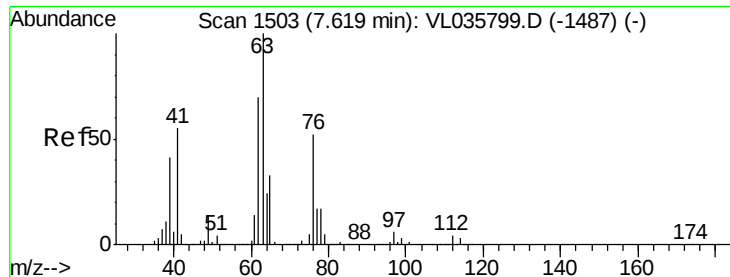
#34
 2-Butanone
 Concen: 0.036 ppbv
 RT: 5.22 min Scan# 758
 Delta R.T. -0.02 min
 Lab File: VL036013.D
 Acq: 25 Nov 2020 3:38

Tgt Ion: 43 Resp: 5193
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.5 39.7#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0

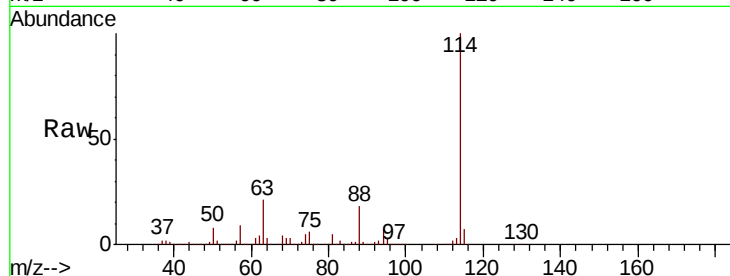




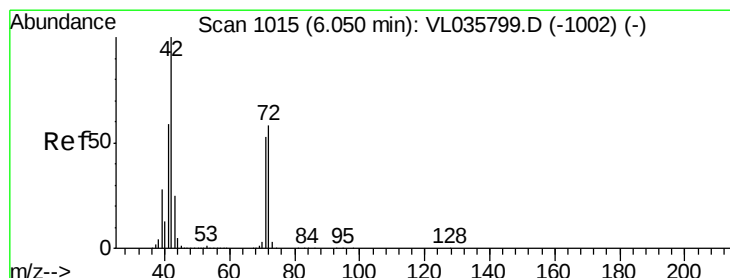
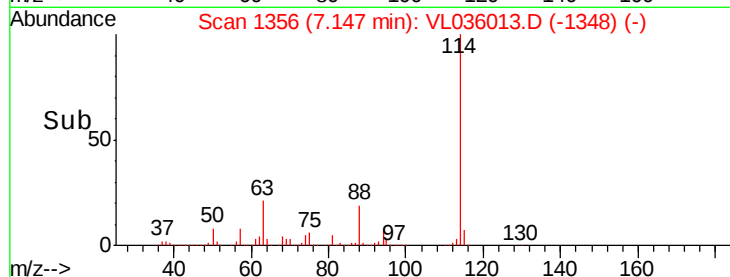
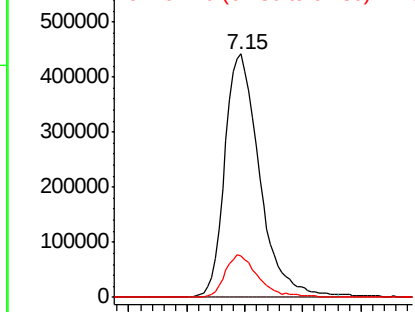
#39
 1,2-Dichloropropane
 Concen: 8.278 ppbv
 RT: 7.15 min Scan# 1356
 Delta R.T. -0.47 min
 Lab File: VL036013.D
 Acq: 25 Nov 2020 3:38

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	17.1	56.2	84.2#

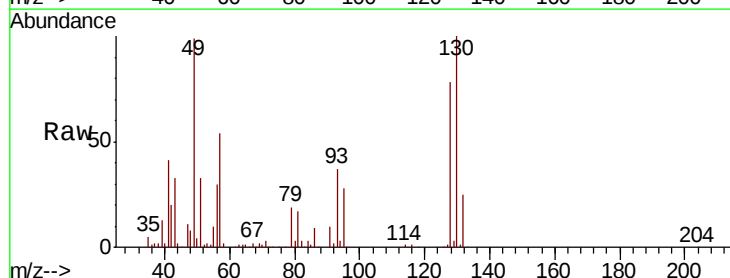


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

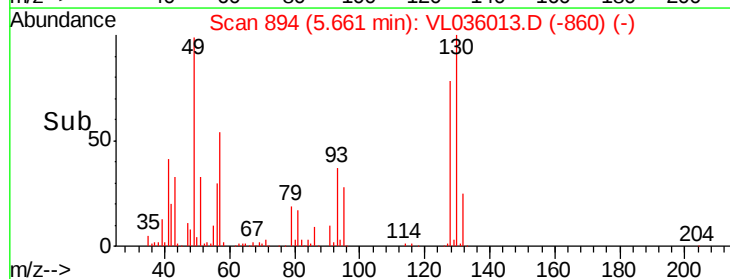
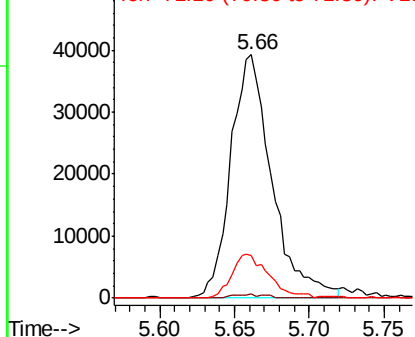


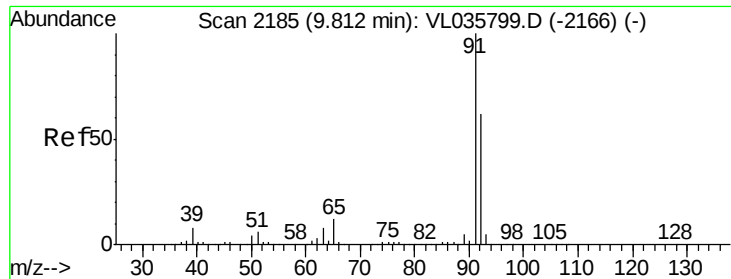
#41
 Tetrahydrofuran
 Concen: 0.915 ppbv
 RT: 5.66 min Scan# 894
 Delta R.T. -0.39 min
 Lab File: VL036013.D
 Acq: 25 Nov 2020 3:38

Tgt Ion	Ratio	Lower	Upper
42	100		
72	1.2	45.4	68.0#
71	16.8	43.4	65.2#



Abundance Ion 42.10 (41.80 to 42.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0
 Ion 71.10 (70.80 to 71.80): VL0





#53

Toluene

Concen: 0.185 ppbv

RT: 9.78 min Scan# 2174

Delta R.T. -0.04 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Instrument :

MSVOA_L

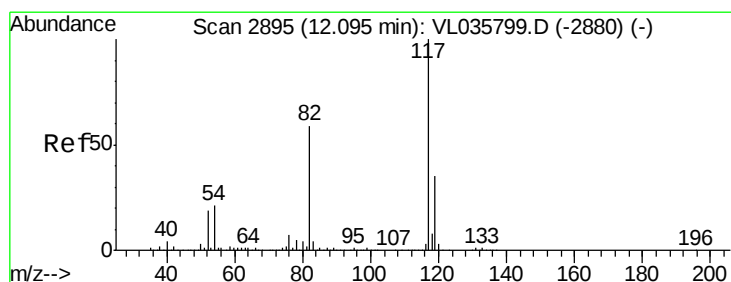
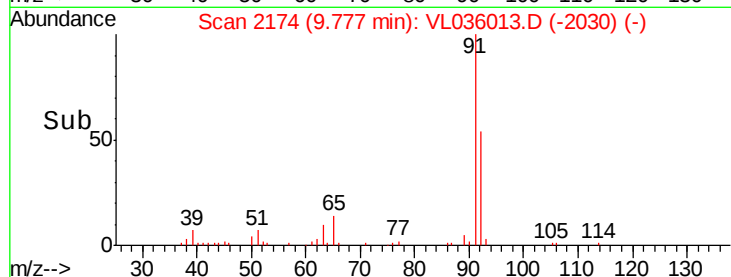
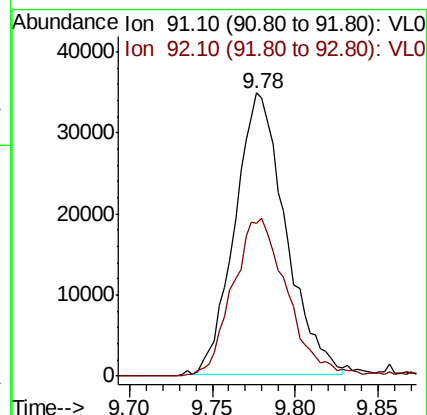
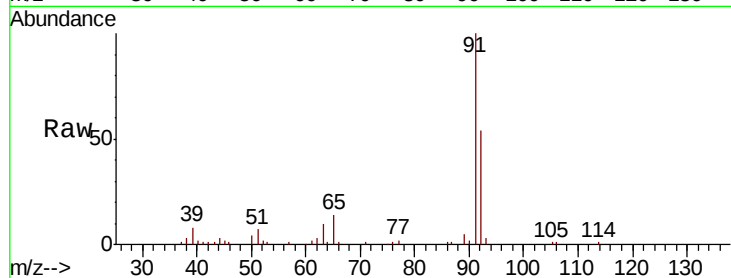
ClientSampleId :

Tot Ion: 91 Resp: 73878

Ion Ratio Lower Upper

91 100

92 60.8 49.8 74.6



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.04 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

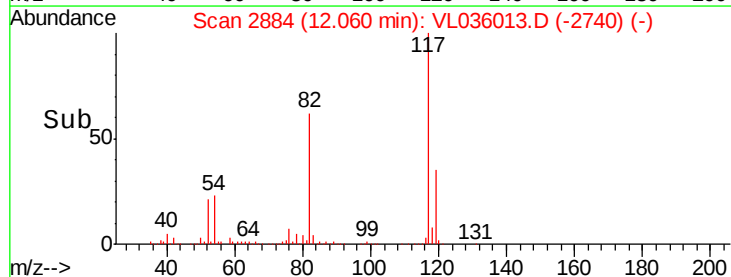
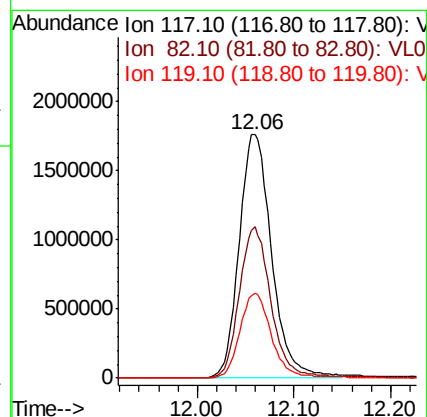
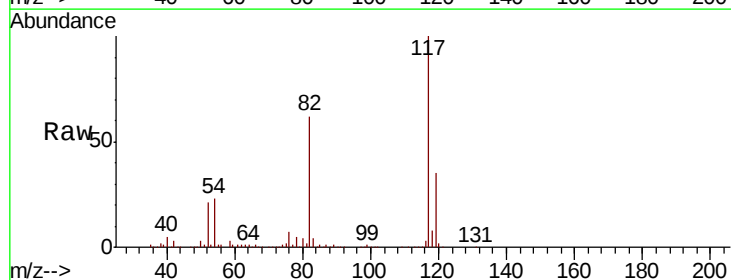
Tgt Ion: 117 Resp: 4120311

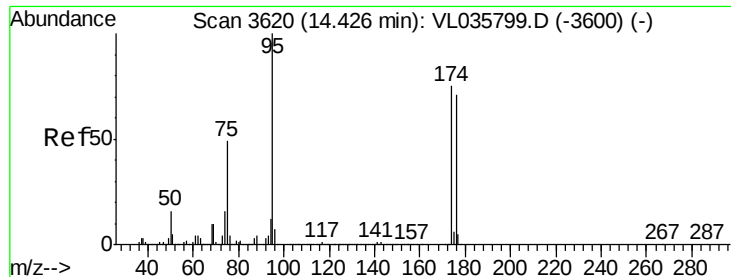
Ion Ratio Lower Upper

117 100

82 61.7 50.6 76.0

119 34.4 52.6 78.8#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.530 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.04 min

Lab File: VL036013.D

Acq: 25 Nov 2020 3:38

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 3082656

Ion Ratio Lower Upper

95 100

174 71.6 59.8 89.6

175 5.0 4.3 6.5

