

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051920\
 Data File : VL035055.D
 Acq On : 19 May 2020 22:15
 Operator : SY/AP
 Sample : L2683-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 20 04:48:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 06 14:49:39 2020
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.64	49	1157415	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	2588730	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.10	117	2521747	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2126215	10.42	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

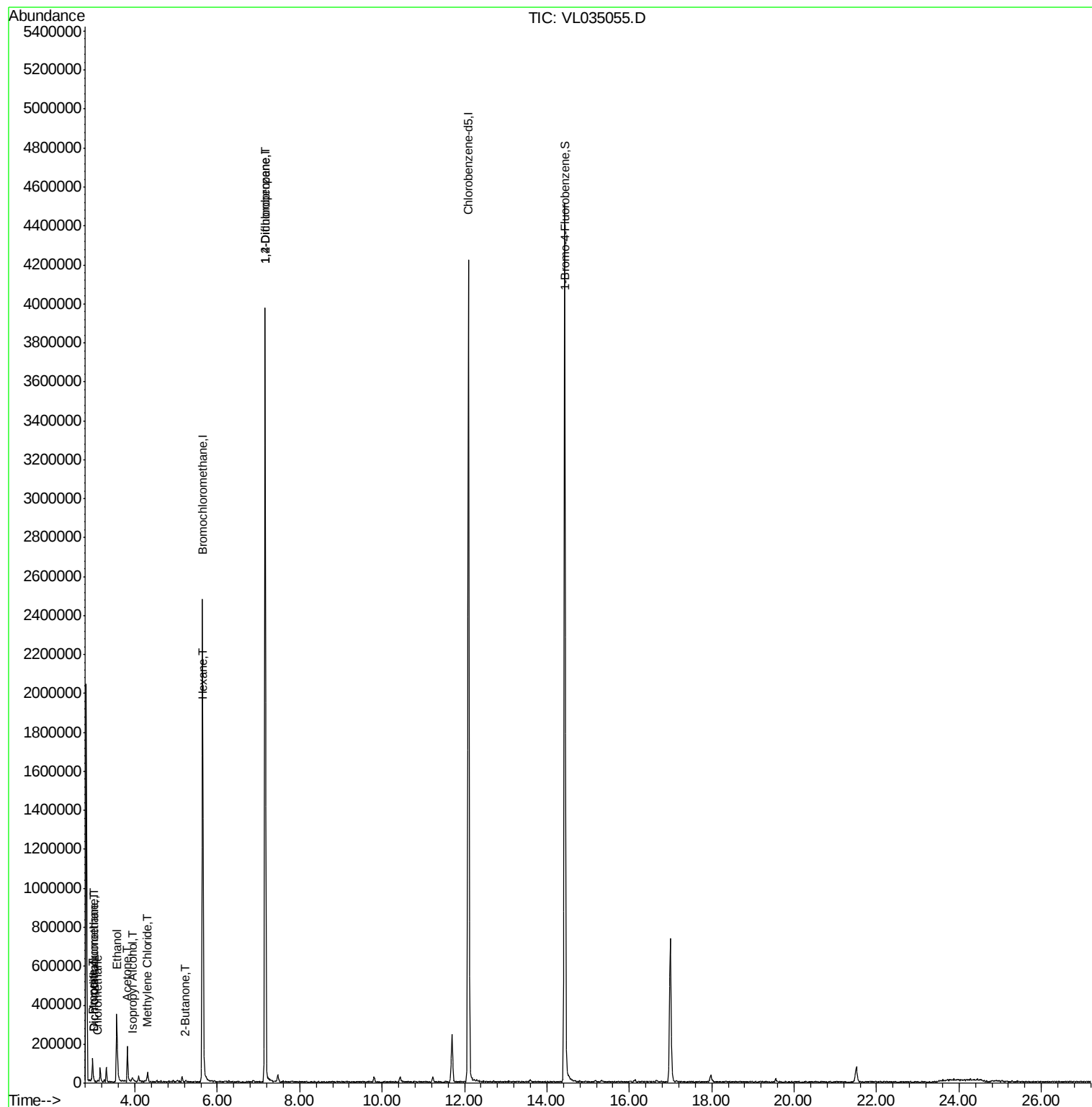
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	10794	0.066	ppbv	100
4) Chloromethane	3.09	50	4842	0.064	ppbv #	82
8) Dichlorotetrafluoroethane	3.00	85	10794	0.063	ppbv #	21
9) Propene	2.97	41	24671	0.430	ppbv #	80
13) Ethanol	3.56	45	352960	18.654	ppbv	98
15) Acetone	3.81	43	162444	1.062	ppbv	91
19) Isopropyl Alcohol	3.94	45	4974	0.049	ppbv #	1
20) Methylene Chloride	4.31	84	9778	0.193	ppbv	88
26) Hexane	5.66	57	4521	0.041	ppbv #	40
34) 2-Butanone	5.22	43	5005	0.031	ppbv #	53
39) 1,2-Dichloropropane	7.16	63	719505	8.409	ppbv #	26

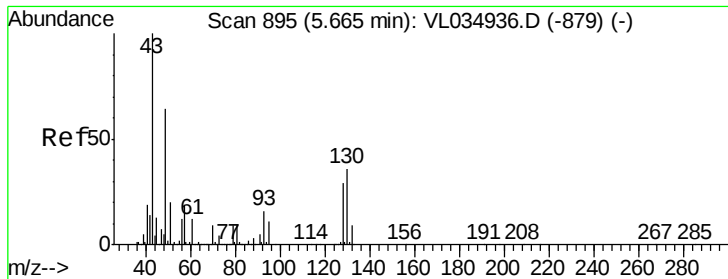
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051920\
Data File : VL035055.D
Acq On : 19 May 2020 22:15
Operator : SY/AP
Sample : L2683-05DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 20 04:48:00 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May 06 14:49:39 2020
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.64 min Scan# 888

Delta R.T. -0.02 min

Lab File: VL035055.D

Acq: 19 May 2020 22:15

Instrument :
MSVOA_L
ClientSampled :

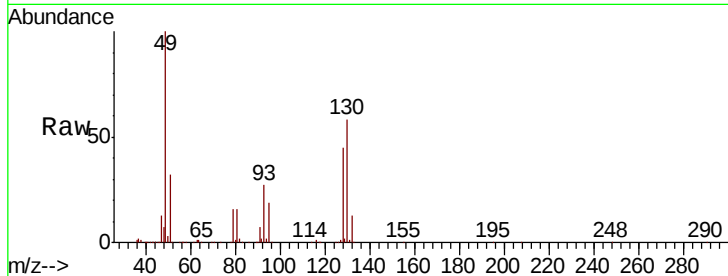
Tot Ion: 49 Resp: 1157415

Ion Ratio Lower Upper

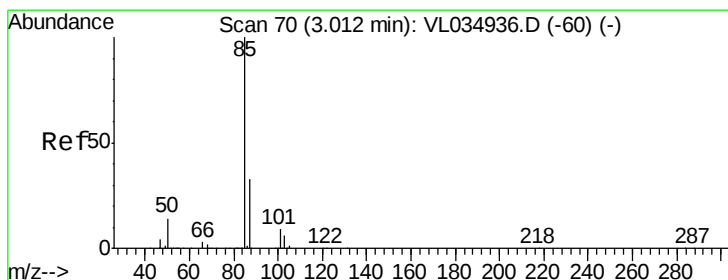
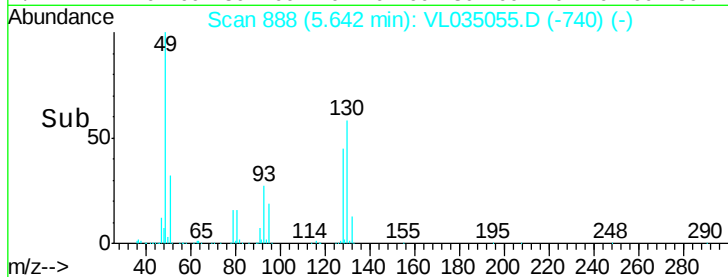
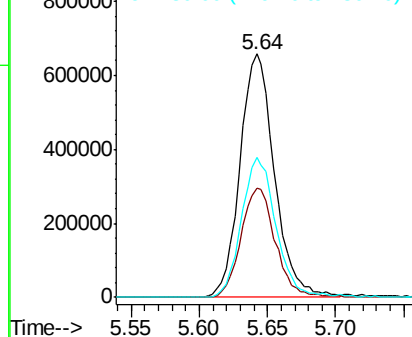
49 100

128 44.9 22.1 66.5

130 58.0 29.1 87.3



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



#2

Dichlorodifluoromethane

Concen: 0.066 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.01 min

Lab File: VL035055.D

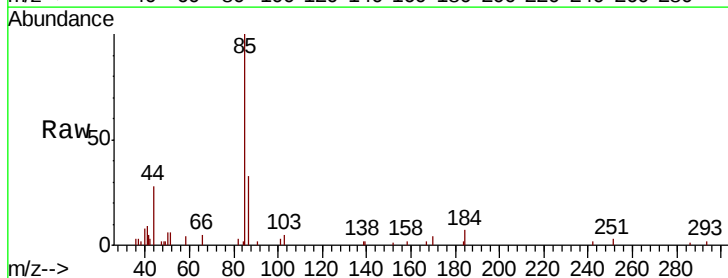
Acq: 19 May 2020 22:15

Tgt Ion: 85 Resp: 10794

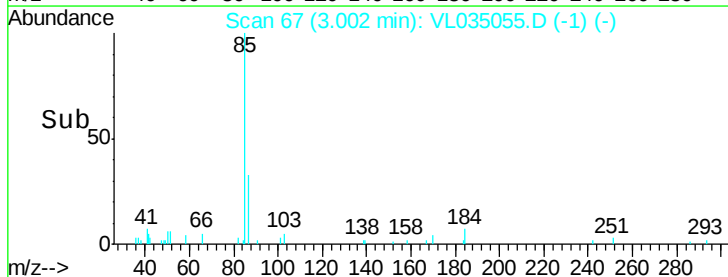
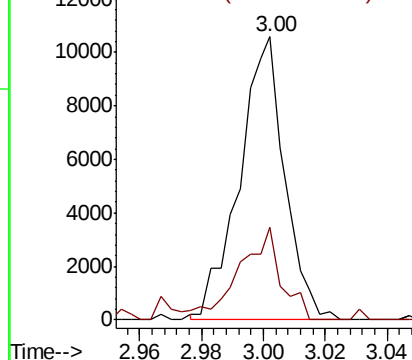
Ion Ratio Lower Upper

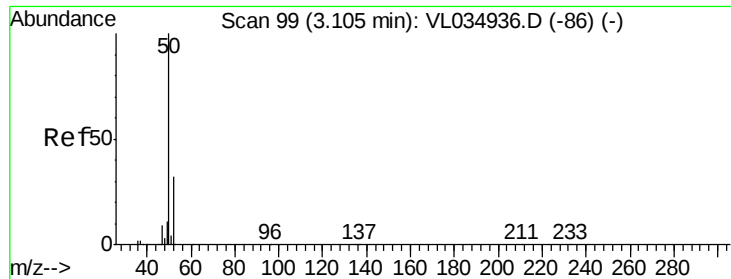
85 100

87 32.6 26.2 39.2



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





#4

Chloromethane

Concen: 0.064 ppbv

RT: 3.09 min Scan# 95

Delta R.T. -0.01 min

Lab File: VL035055.D

Acq: 19 May 2020 22:15

Instrument :

MSVOA_L

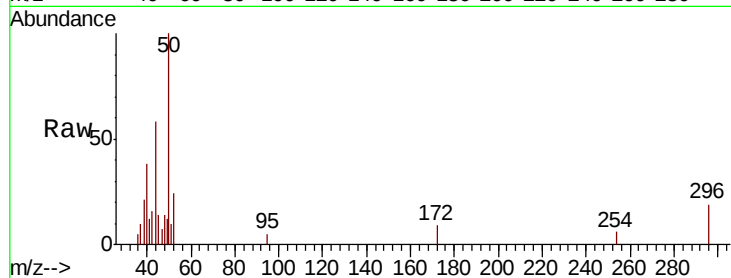
ClientSampleId :

Tot Ion: 50 Resp: 4842

Ion Ratio Lower Upper

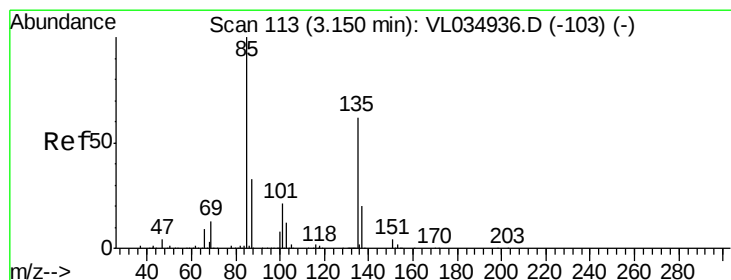
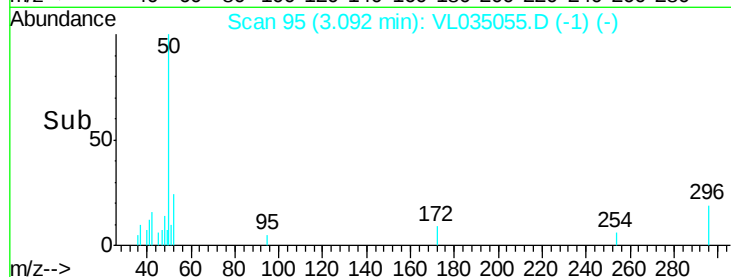
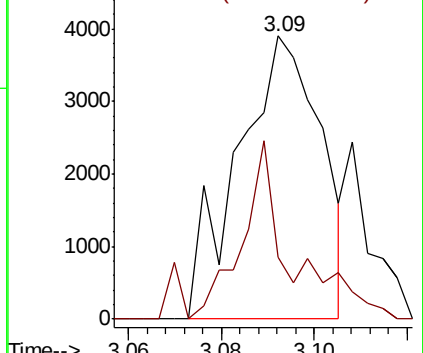
50 100

52 21.8 25.4 38.2#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0



#8

Dichlorotetrafluoroethane

Concen: 0.063 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.15 min

Lab File: VL035055.D

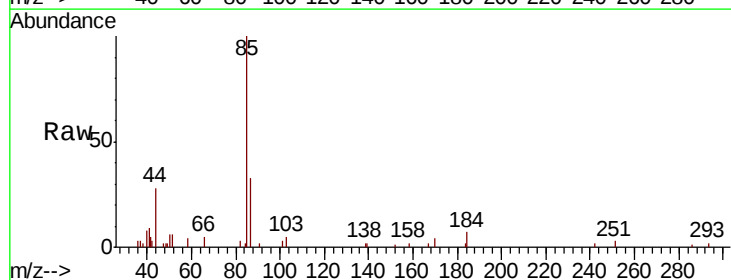
Acq: 19 May 2020 22:15

Tgt Ion: 85 Resp: 10794

Ion Ratio Lower Upper

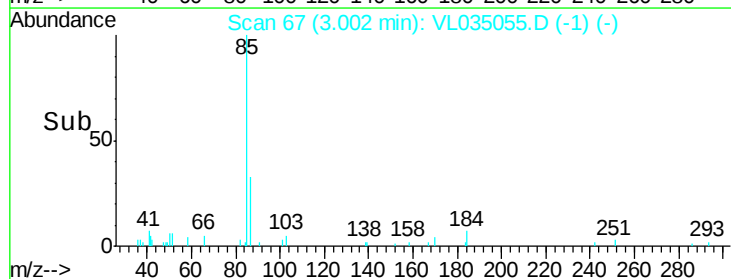
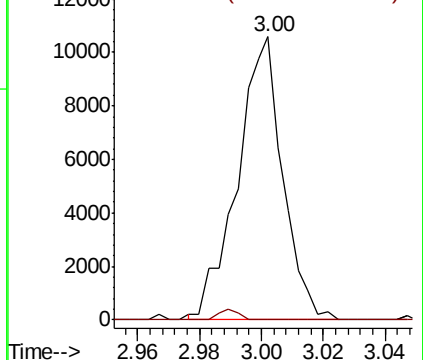
85 100

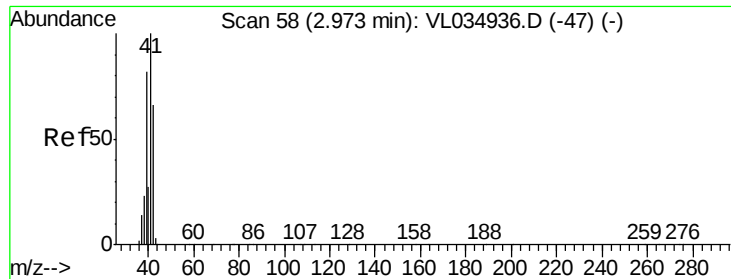
135 1.7 50.9 76.3#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 135.00 (134.70 to 135.70): V





#9

Propene

Concen: 0.430 ppbv

RT: 2.97 min Scan# 58

Delta R.T. -0.00 min

Lab File: VL035055.D

Acq: 19 May 2020 22:15

Instrument :

MSVOA_L

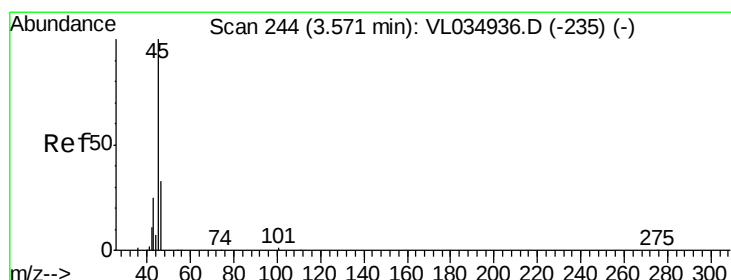
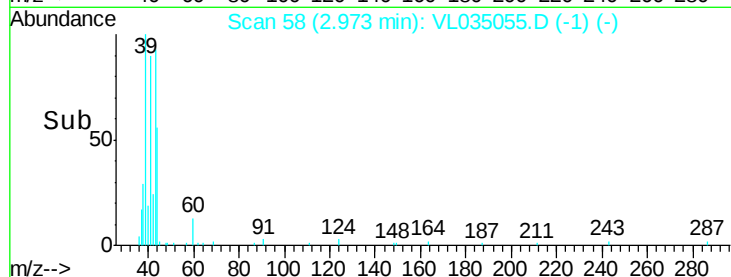
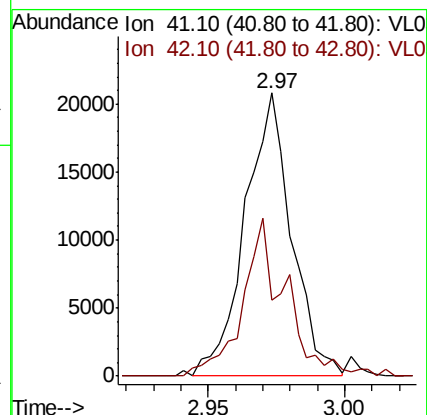
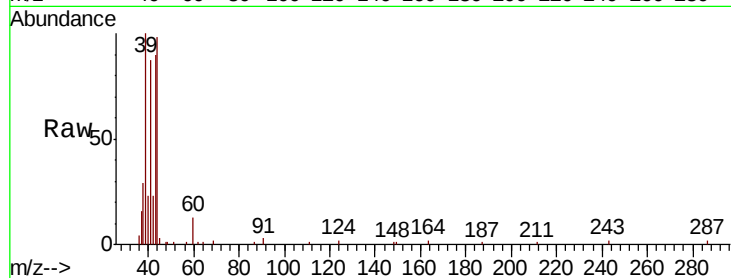
ClientSampleId :

Tot Ion: 41 Resp: 24671

Ion Ratio Lower Upper

41 100

42 51.6 54.5 81.7#



#13

Ethanol

Concen: 18.654 ppbv

RT: 3.56 min Scan# 240

Delta R.T. -0.01 min

Lab File: VL035055.D

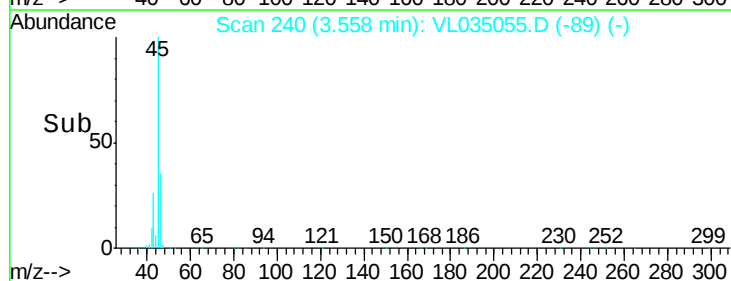
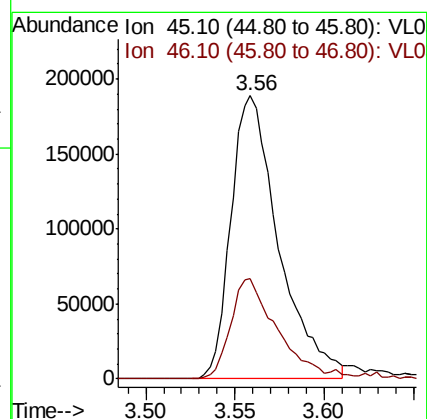
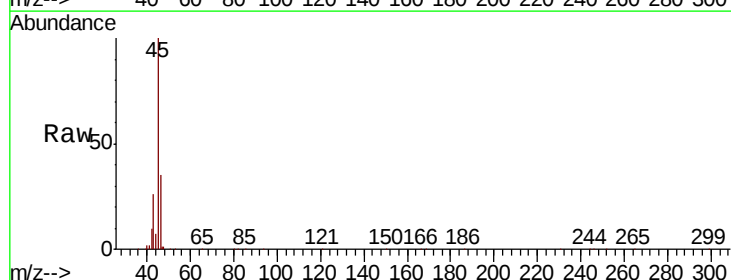
Acq: 19 May 2020 22:15

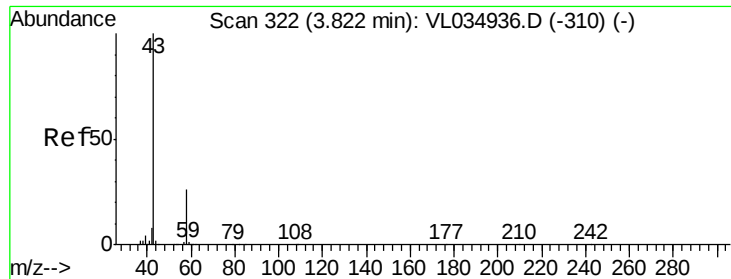
Tgt Ion: 45 Resp: 352960

Ion Ratio Lower Upper

45 100

46 34.8 14.3 57.3





#15

Acetone

Concen: 1.062 ppbv

RT: 3.81 min Scan# 319

Delta R.T. -0.01 min

Lab File: VL035055.D

Acq: 19 May 2020 22:15

Instrument :

MSVOA_L

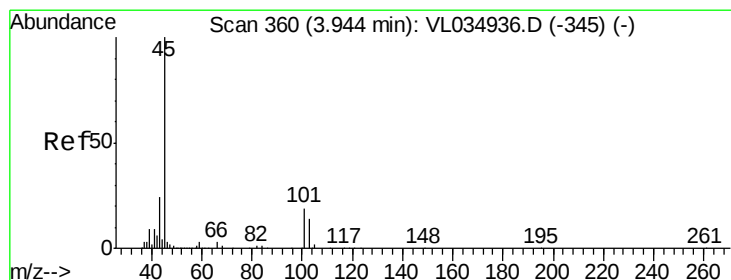
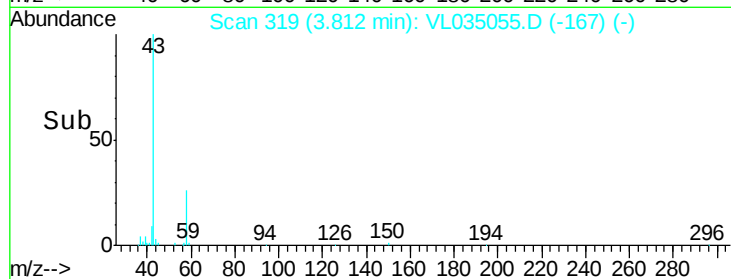
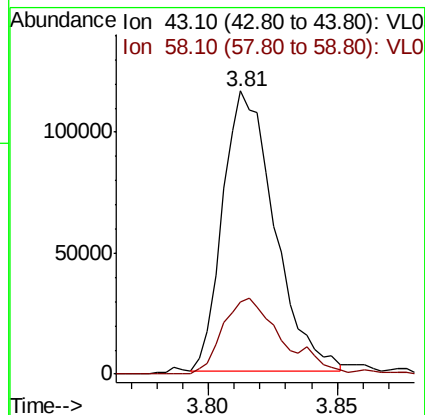
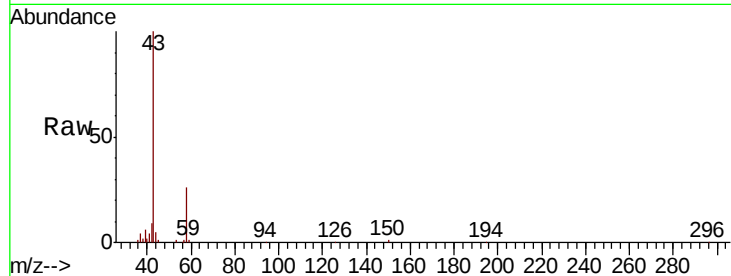
ClientSampleId :

Tot Ion: 43 Resp: 162444

Ion Ratio Lower Upper

43 100

58 31.9 21.7 32.5



#19

Isopropyl Alcohol

Concen: 0.049 ppbv

RT: 3.94 min Scan# 360

Delta R.T. -0.00 min

Lab File: VL035055.D

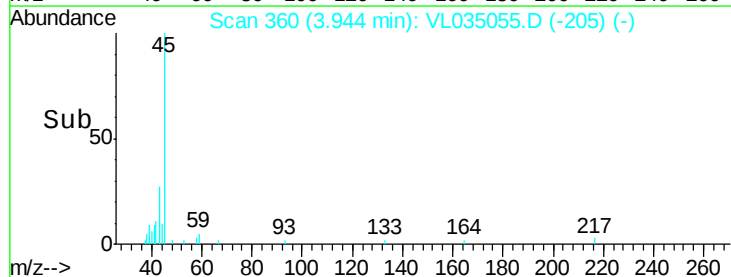
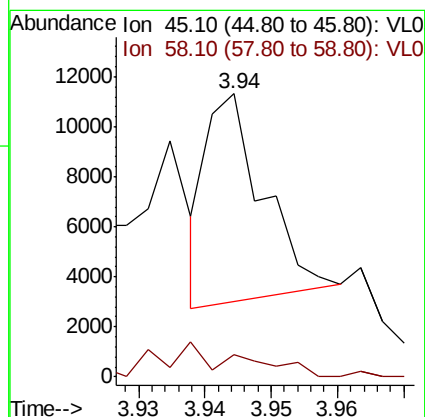
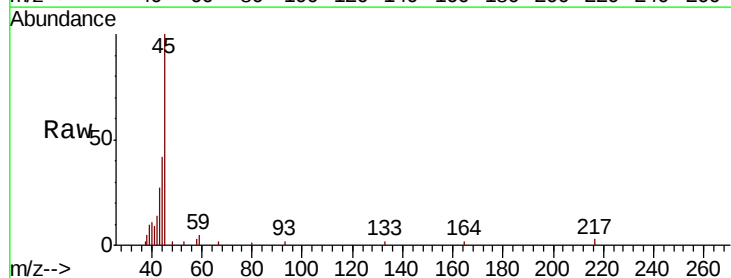
Acq: 19 May 2020 22:15

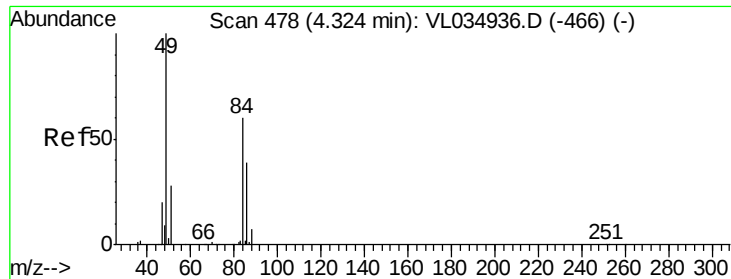
Tgt Ion: 45 Resp: 4974

Ion Ratio Lower Upper

45 100

58 1044.2 1.7 2.5#

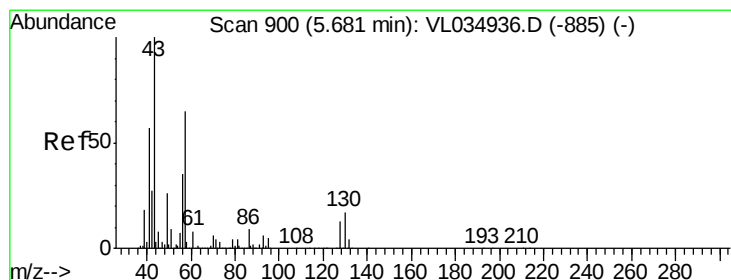
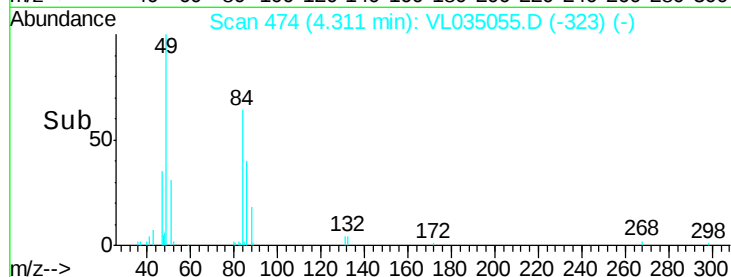
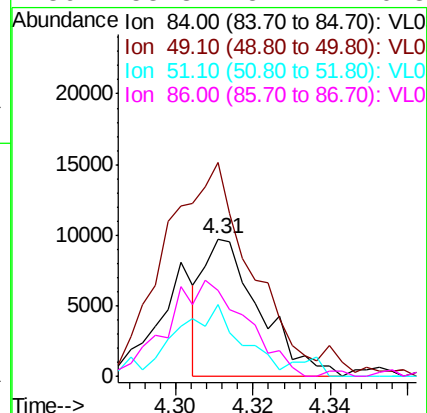
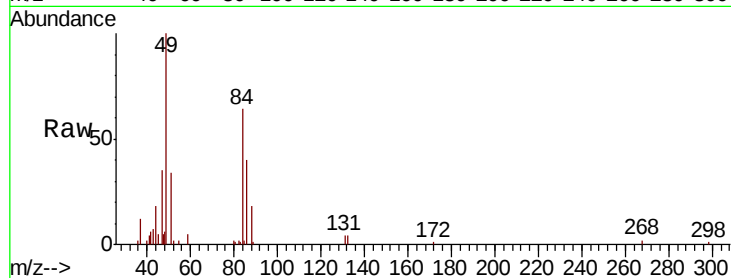




#20
Methvlene Chloride
Concen: 0.193 ppbv
RT: 4.31 min Scan# 474
Delta R.T. -0.01 min
Lab File: VL035055.D
Acq: 19 May 2020 22:15

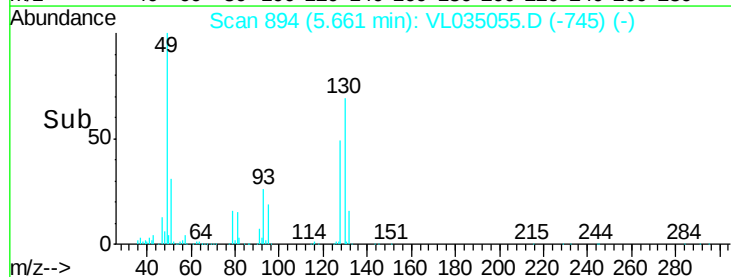
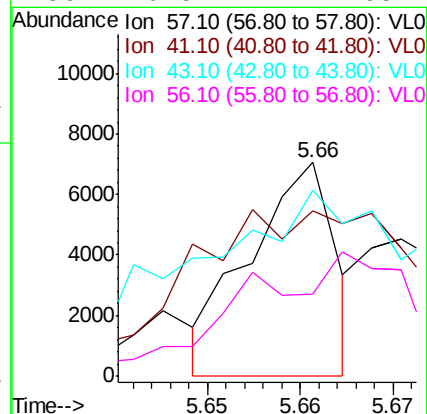
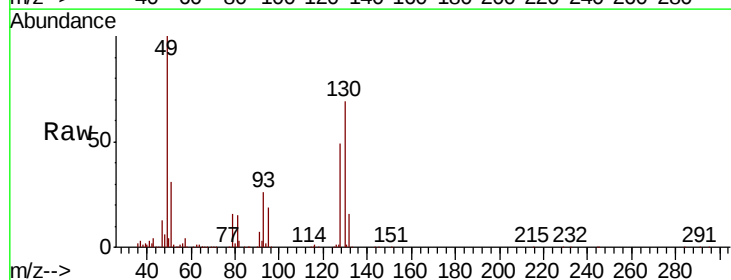
Instrument :
MSVOA_L
ClientSampleId :

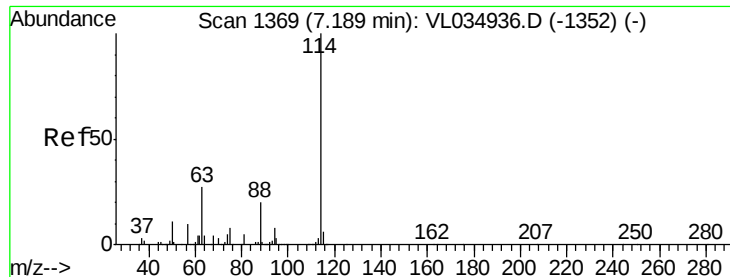
Tot Ion: 84 Resp: 9778
Ion Ratio Lower Upper
84 100
49 144.8 132.5 198.7
51 52.3 38.4 57.6
86 58.3 51.2 76.8



#26
Hexane
Concen: 0.041 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035055.D
Acq: 19 May 2020 22:15

Tgt Ion: 57 Resp: 4521
Ion Ratio Lower Upper
57 100
41 226.2 72.7 109.1#
43 259.5 182.1 273.1
56 120.5 42.2 63.2#

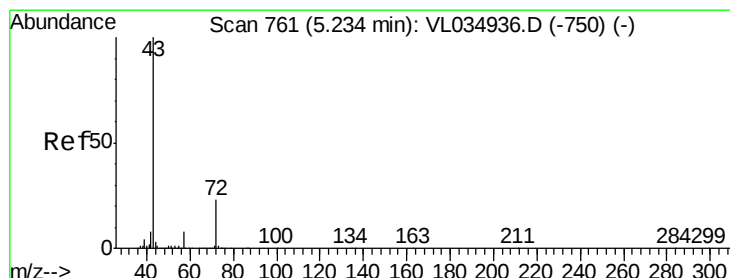
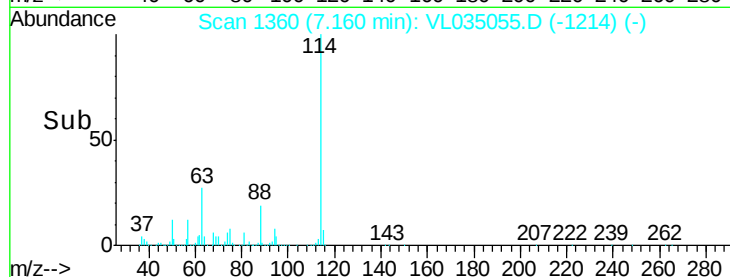
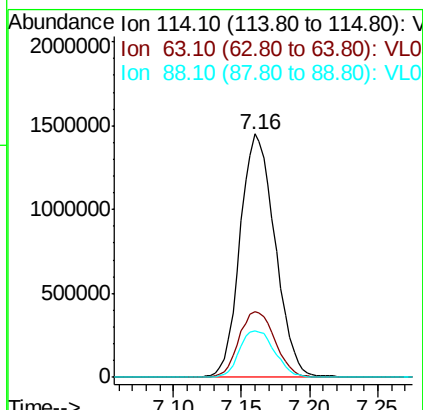
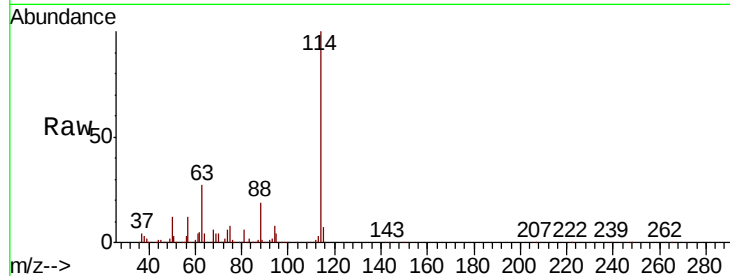




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.03 min
 Lab File: VL035055.D
 Acq: 19 May 2020 22:15

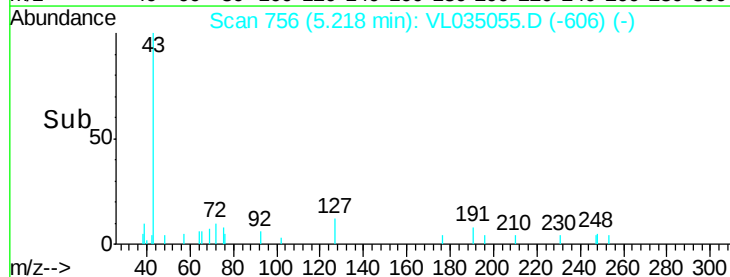
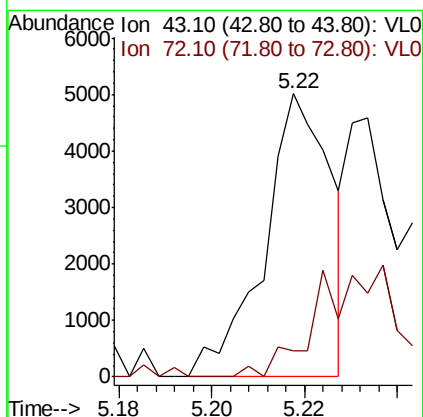
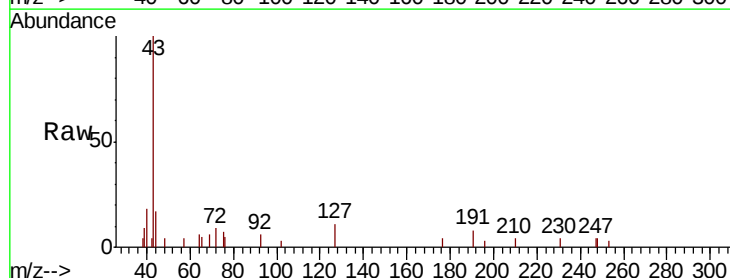
Instrument :
 MSVOA_L
 ClientSampleId :

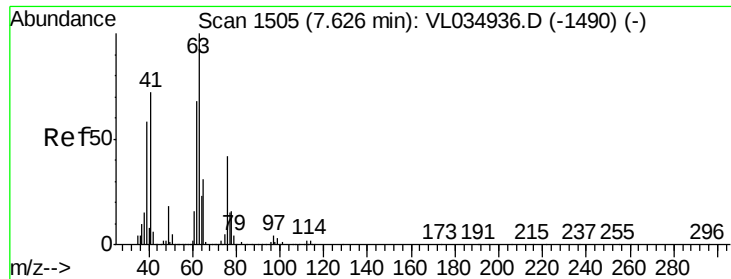
Tot Ion:114 Resp: 2588730
 Ion Ratio Lower Upper
 114 100
 63 27.9 22.2 33.4
 88 19.5 15.5 23.3



#34
 2-Butanone
 Concen: 0.031 ppbv
 RT: 5.22 min Scan# 756
 Delta R.T. -0.02 min
 Lab File: VL035055.D
 Acq: 19 May 2020 22:15

Tgt Ion: 43 Resp: 5005
 Ion Ratio Lower Upper
 43 100
 72 0.0 18.0 27.0#

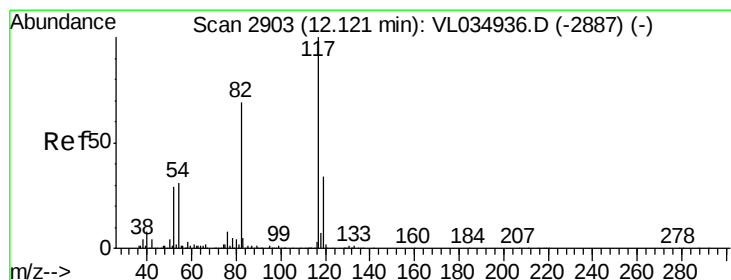
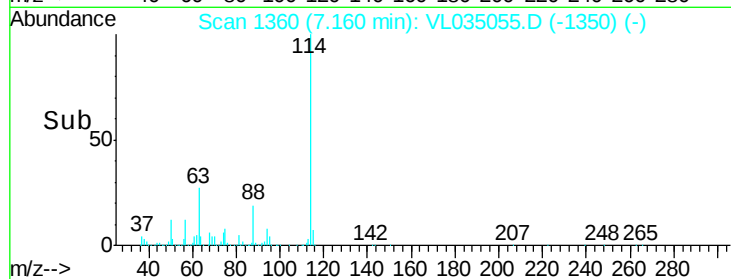
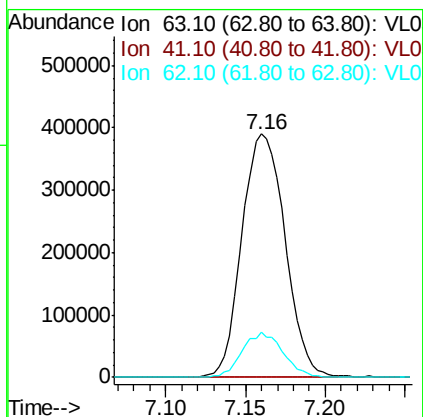
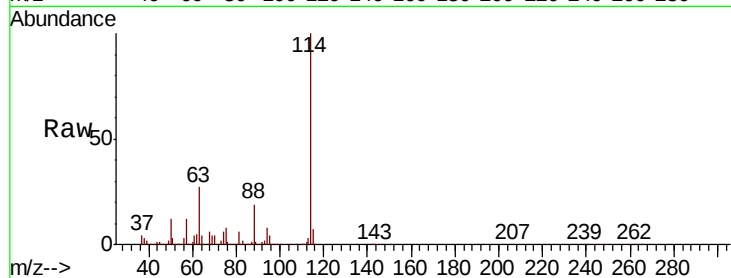




#39
 1,2-Dichloropropane
 Concen: 8.409 ppbv
 RT: 7.16 min Scan# 1360
 Delta R.T. -0.47 min
 Lab File: VL035055.D
 Acq: 19 May 2020 22:15

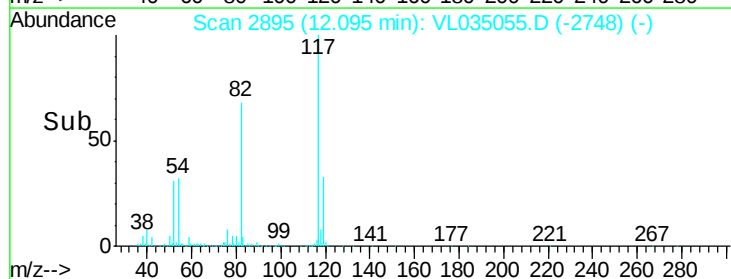
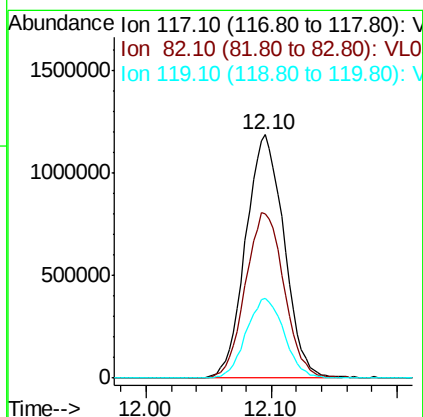
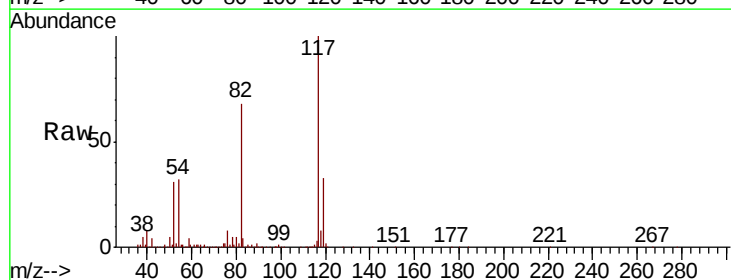
Instrument :
 MSVOA_L
 ClientSampled :

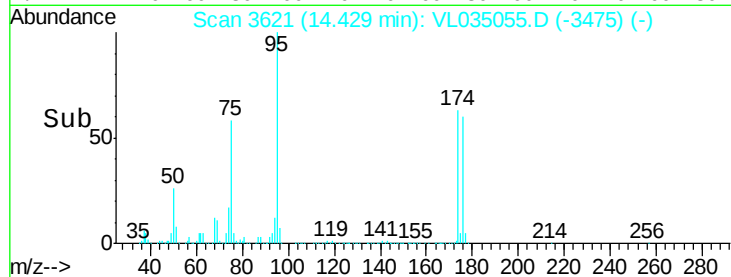
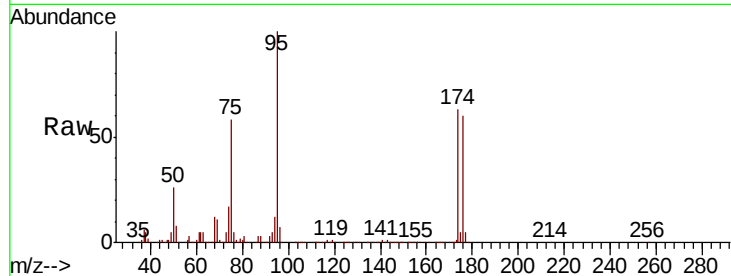
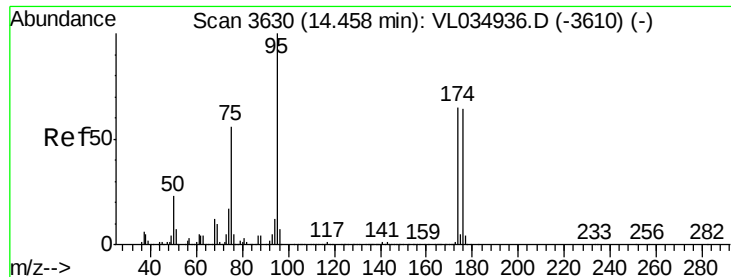
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	18.4	54.2	81.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.10 min Scan# 2895
 Delta R.T. -0.03 min
 Lab File: VL035055.D
 Acq: 19 May 2020 22:15

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.1	53.1	79.7
119	32.4	26.7	40.1





#68

1-Bromo-4-Fluorobenzene

Concen: 10.416 ppbv

RT: 14.43 min Scan# 3621

Delta R.T. -0.03 min

Lab File: VL035055.D

Acq: 19 May 2020 22:15

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2126215

Ion Ratio Lower Upper

95 100

174 64.0 51.5 77.3

175 4.5 3.8 5.8

