

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL080620\
 Data File : VL035356.D
 Acq On : 6 Aug 2020 19:09
 Operator : SY/AP
 Sample : L3554-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Aug 07 06:29:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed Aug 05 13:04:46 2020
 QLast Update : Wed Aug 05 13:04:46 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1469462	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	3592457	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	3397390	10.00	ppbv	-0.02

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.44	95	2844196	10.04	ppbv	-0.01	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.40%	

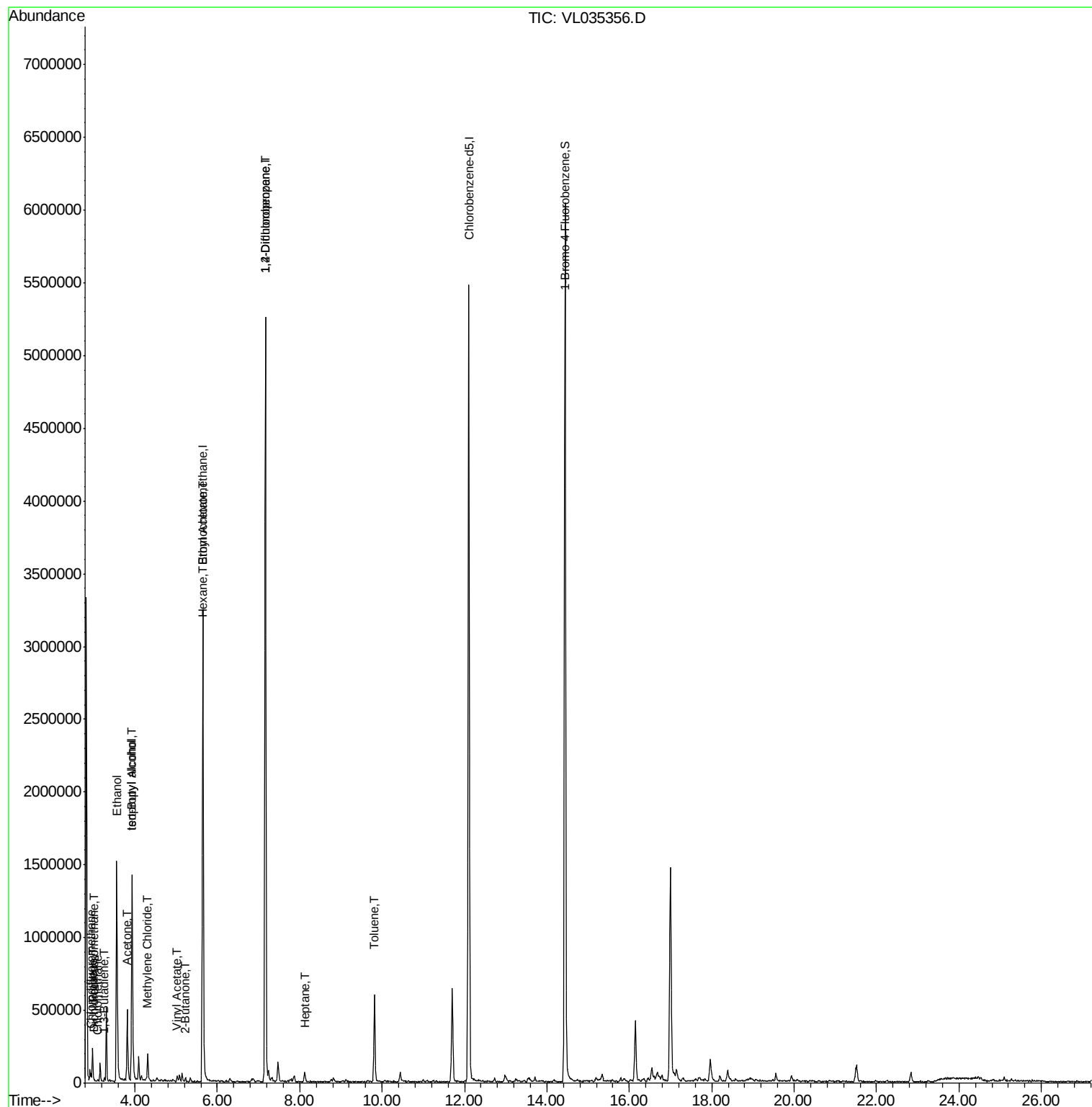
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.00	85	14280	0.073	ppbv	90
3) Chlorodifluoromethane	2.94	51	73702	0.439	ppbv #	76
4) Chloromethane	3.09	50	5948	0.063	ppbv	96
9) Propene	2.97	41	47272	0.791	ppbv #	76
10) Heptane	8.12	43	18396	0.120	ppbv	89
13) Ethanol	3.56	45	1525642	74.005	ppbv	95
15) Acetone	3.81	43	471664	2.260	ppbv	97
16) 1,3-Butadiene	3.26	39	7711	0.096	ppbv #	42
17) tert-Butyl alcohol	3.93	59	57172	0.299	ppbv	99
19) Isopropyl Alcohol	3.93	45	1579822	11.944	ppbv #	98
20) Methylene Chloride	4.30	84	59473	0.699	ppbv	94
23) Vinyl Acetate	5.03	43	12264	0.061	ppbv #	59
25) Ethyl Acetate	5.65	43	110110	0.347	ppbv #	95
26) Hexane	5.66	57	27220	0.198	ppbv #	1
34) 2-Butanone	5.22	43	12957	0.073	ppbv #	54
39) 1,2-Dichloropropane	7.17	63	942265	9.595	ppbv #	22
53) Toluene	9.82	91	453260	1.718	ppbv	98

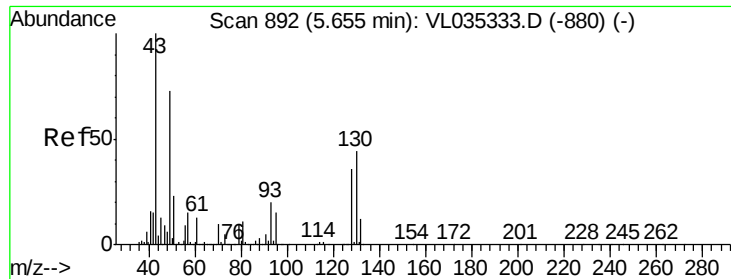
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL080620\
Data File : VL035356.D
Acq On : 6 Aug 2020 19:09
Operator : SY/AP
Sample : L3554-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Aug 07 06:29:06 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL080520AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 05 13:04:46 2020
QLast Update : Wed Aug 05 13:04:46 2020
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

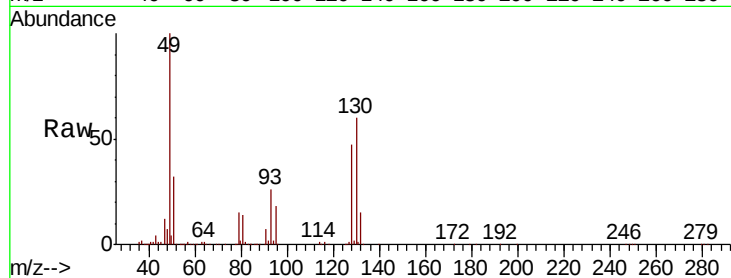
Tot Ion: 49 Resp: 1469462

Ion Ratio Lower Upper

49 100

128 48.9 25.4 76.0

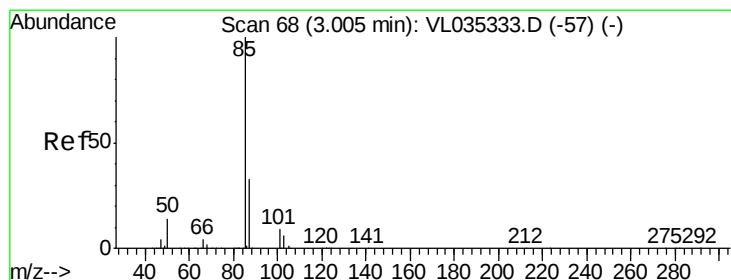
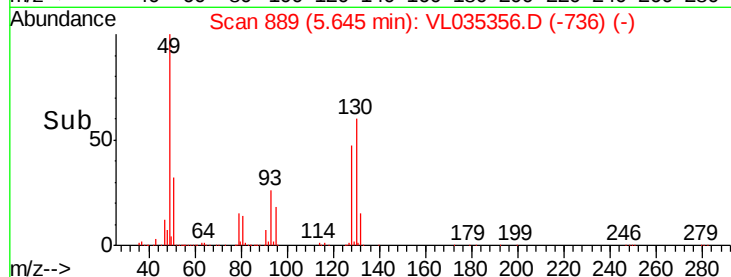
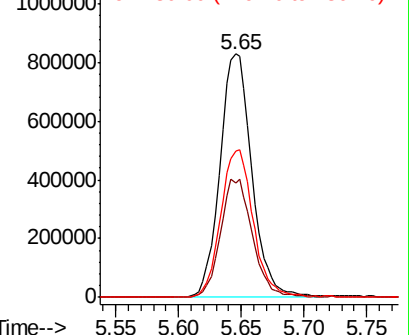
130 62.0 32.1 96.3



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: 0.073 ppbv

RT: 3.00 min Scan# 67

Delta R.T. -0.00 min

Lab File: VL035356.D

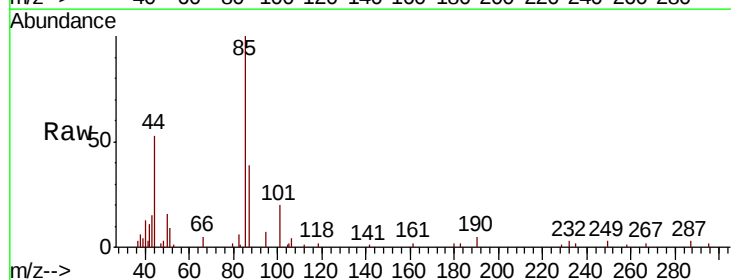
Acq: 6 Aug 2020 19:09

Tgt Ion: 85 Resp: 14280

Ion Ratio Lower Upper

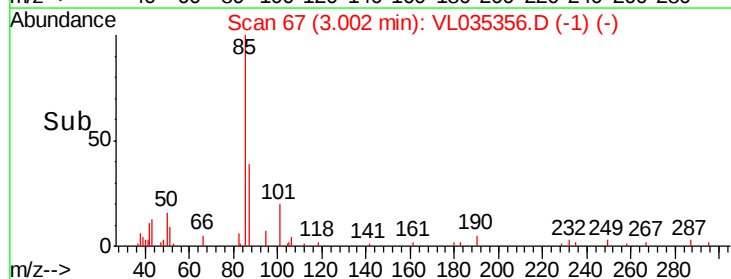
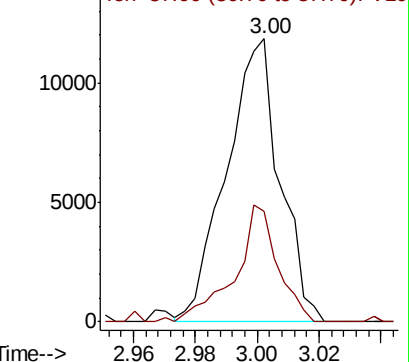
85 100

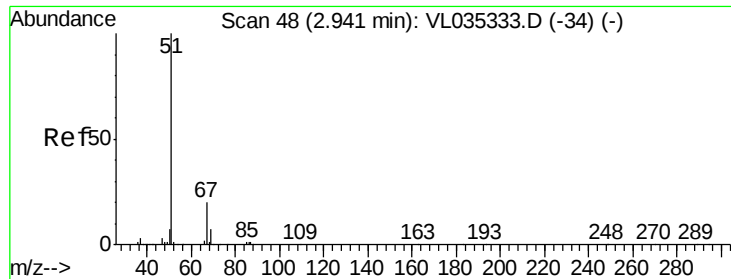
87 39.0 26.7 40.1



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

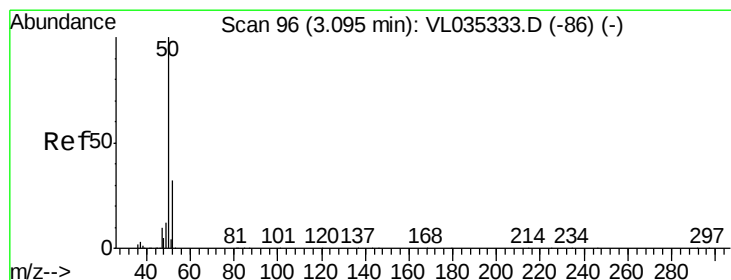
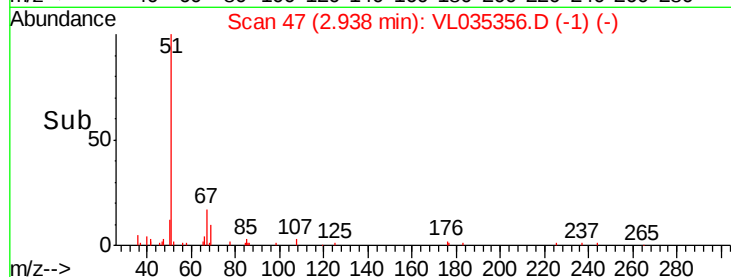
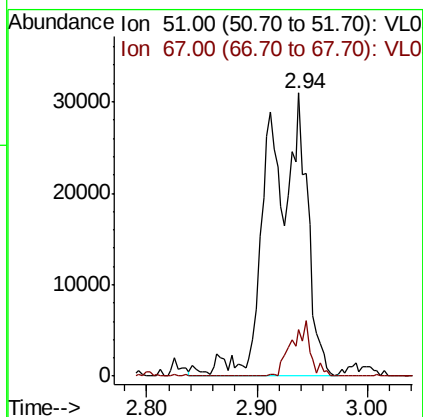
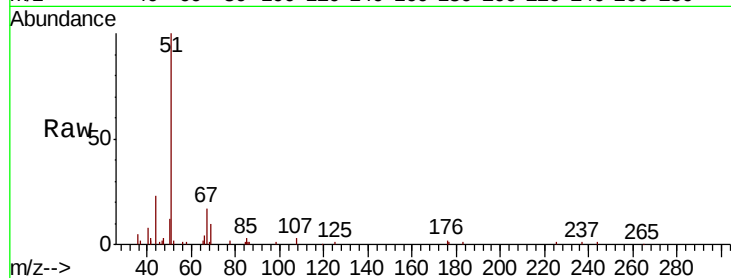




#3
 Chlorodifluoromethane
 Concen: 0.439 ppbv
 RT: 2.94 min Scan# 47
 Delta R.T. -0.00 min
 Lab File: VL035356.D
 Acq: 6 Aug 2020 19:09

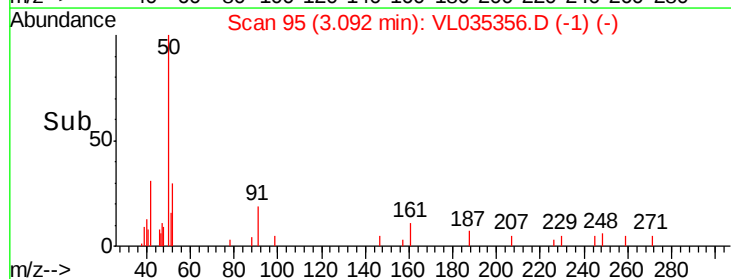
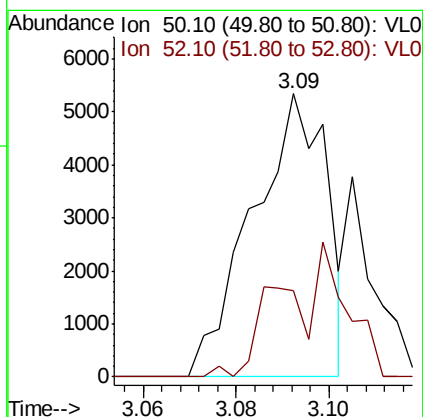
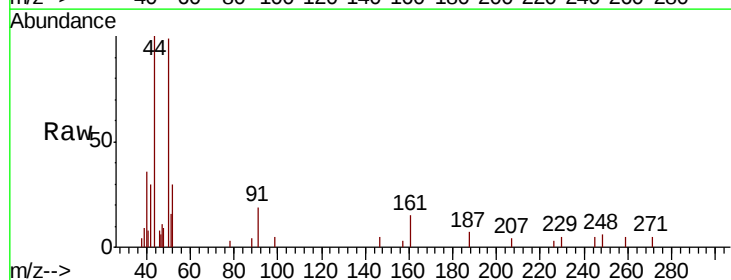
Instrument :
 MSVOA_L
 ClientSampleId :

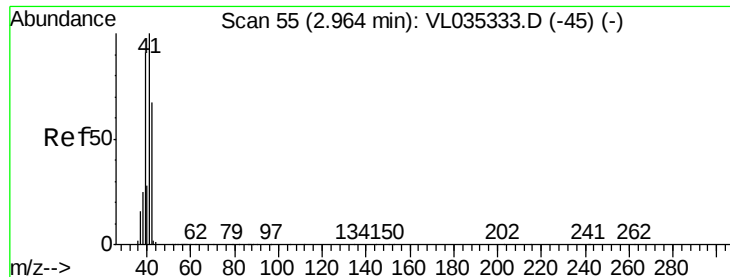
Tot Ion: 51 Resp: 73702
 Ion Ratio Lower Upper
 51 100
 67 9.7 16.6 25.0#



#4
 Chloromethane
 Concen: 0.063 ppbv
 RT: 3.09 min Scan# 95
 Delta R.T. -0.00 min
 Lab File: VL035356.D
 Acq: 6 Aug 2020 19:09

Tgt Ion: 50 Resp: 5948
 Ion Ratio Lower Upper
 50 100
 52 30.3 26.0 39.0





#9

Propene

Concen: 0.791 ppbv

RT: 2.97 min Scan# 57

Delta R.T. 0.01 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

Instrument :

MSVOA_L

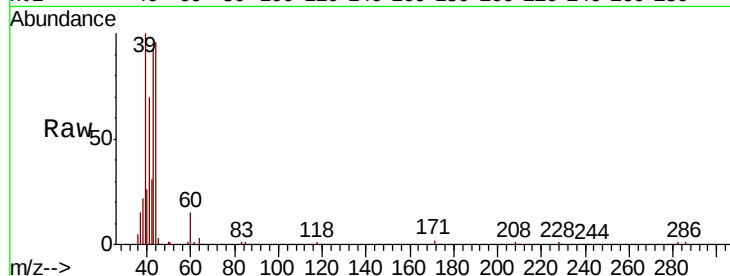
ClientSampleId :

Tot Ion: 41 Resp: 47272

Ion Ratio Lower Upper

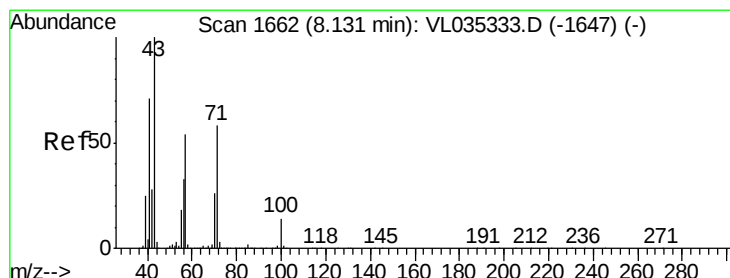
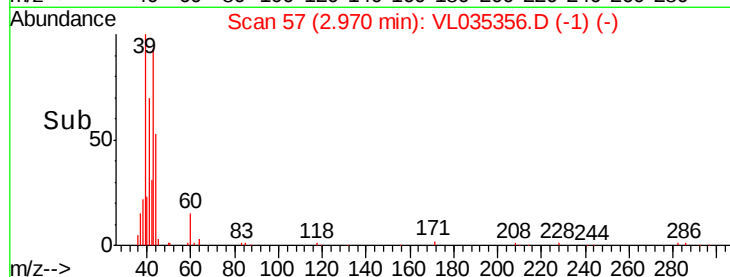
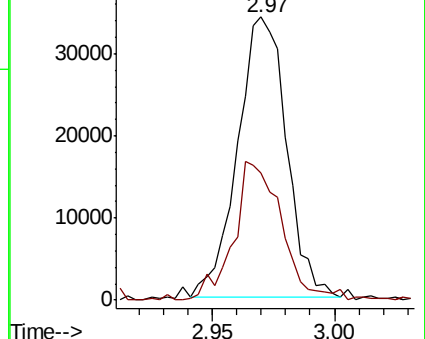
41 100

42 49.7 55.3 82.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#10

Heptane

Concen: 0.120 ppbv

RT: 8.12 min Scan# 1658

Delta R.T. -0.01 min

Lab File: VL035356.D

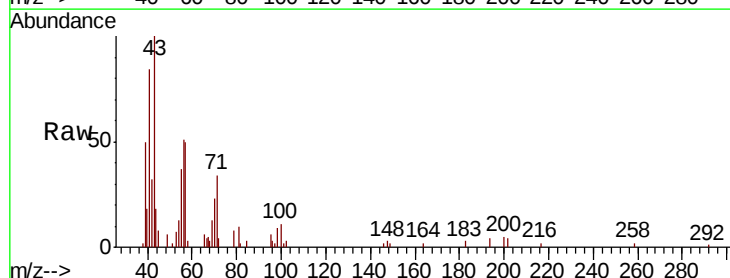
Acq: 6 Aug 2020 19:09

Tgt Ion: 43 Resp: 18396

Ion Ratio Lower Upper

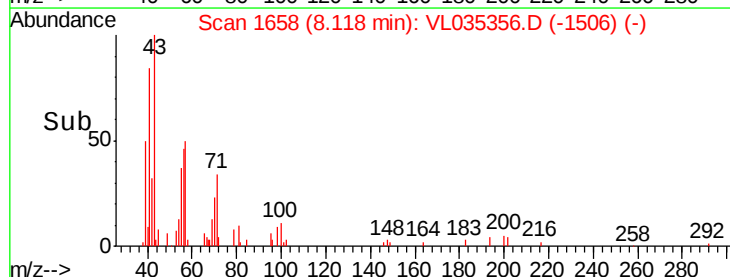
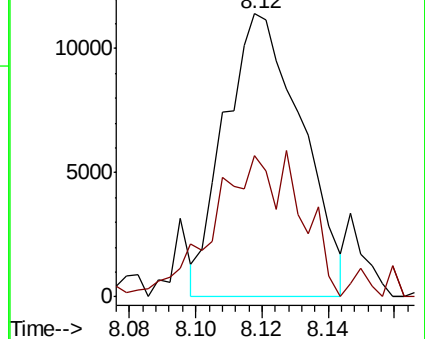
43 100

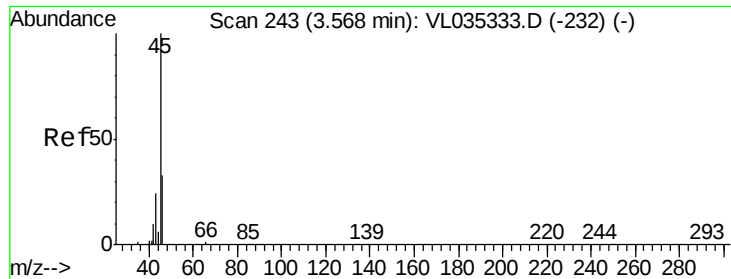
57 61.8 43.0 64.6



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

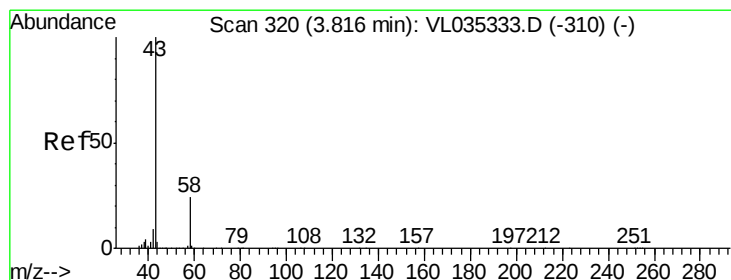
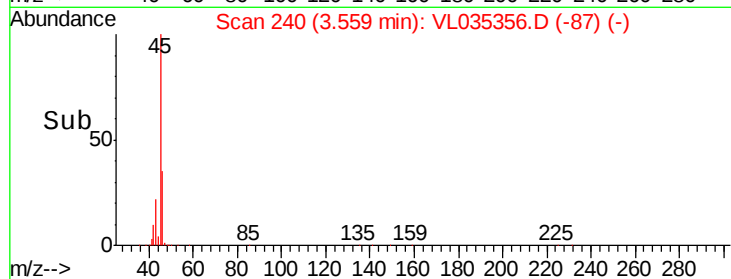
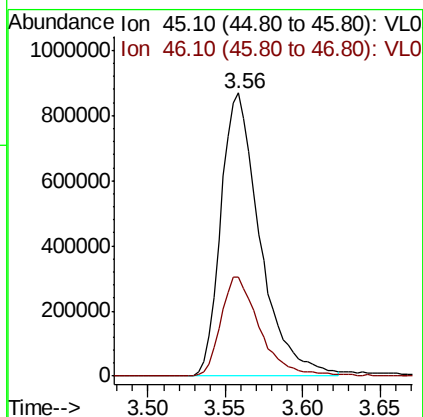
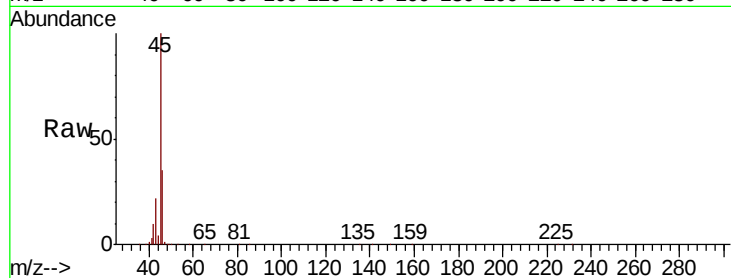




#13
Ethanol
Concen: 74.005 ppbv
RT: 3.56 min Scan# 240
Delta R.T. -0.01 min
Lab File: VL035356.D
Acq: 6 Aug 2020 19:09

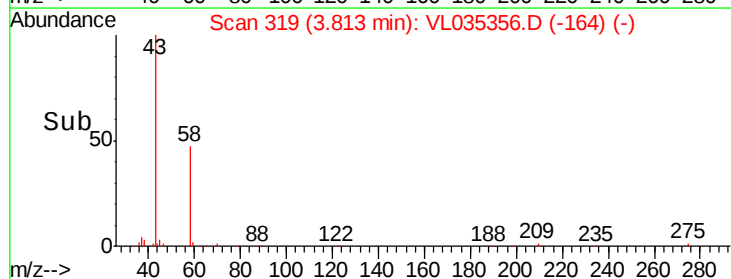
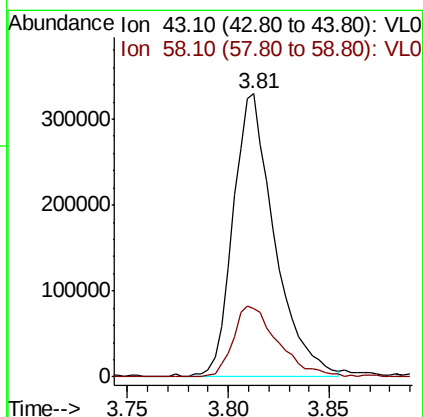
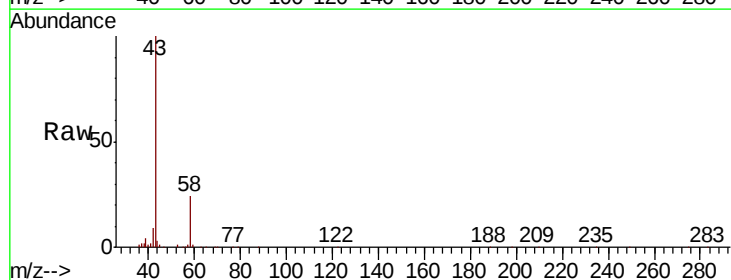
Instrument :
MSVOA_L
ClientSampleId :

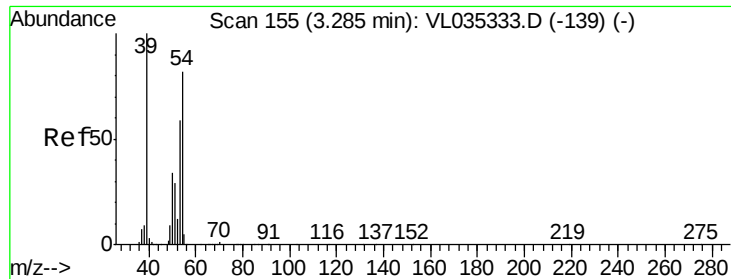
Tot Ion: 45 Resp: 1525642
Ion Ratio Lower Upper
45 100
46 35.4 15.2 61.0



#15
Acetone
Concen: 2.260 ppbv
RT: 3.81 min Scan# 319
Delta R.T. -0.00 min
Lab File: VL035356.D
Acq: 6 Aug 2020 19:09

Tgt Ion: 43 Resp: 471664
Ion Ratio Lower Upper
43 100
58 27.8 21.0 31.4

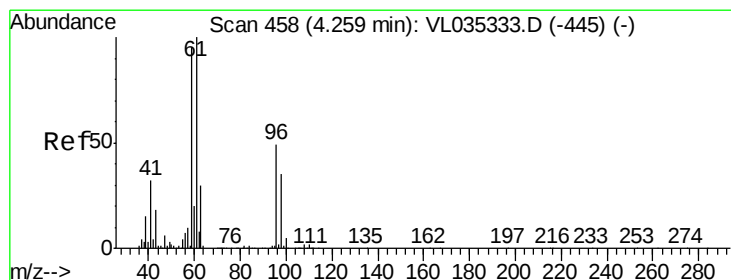
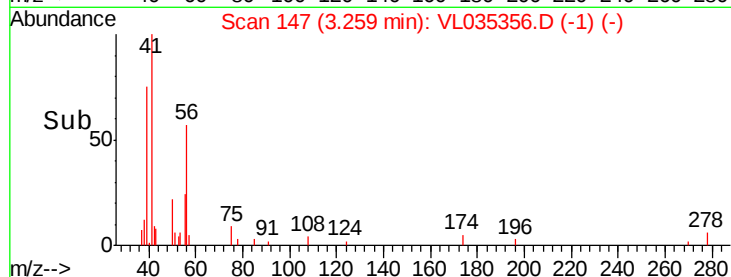
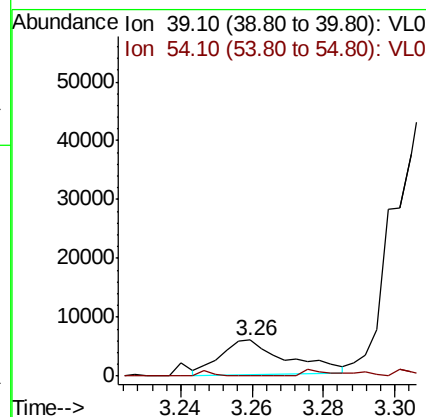
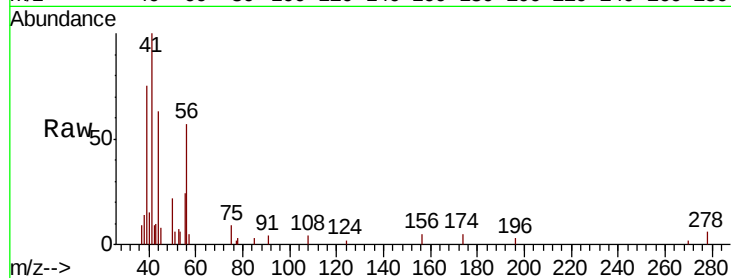




#16
1,3-Butadiene
Concen: 0.096 ppbv
RT: 3.26 min Scan# 147
Delta R.T. -0.03 min
Lab File: VL035356.D
Acq: 6 Aug 2020 19:09

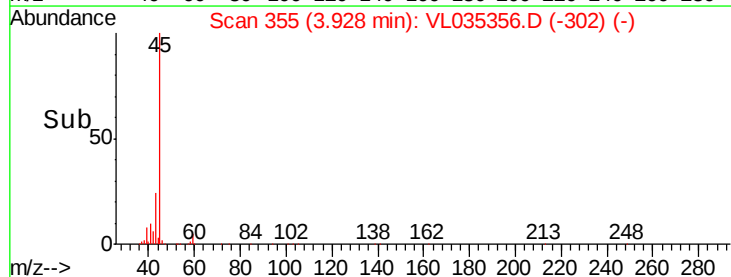
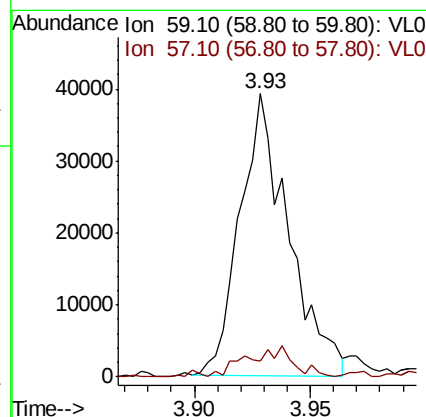
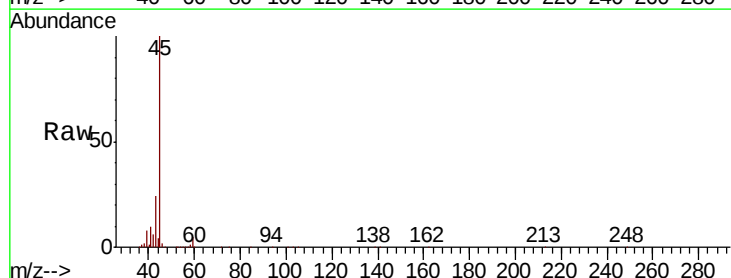
Instrument :
MSVOA_L
ClientSampleId :

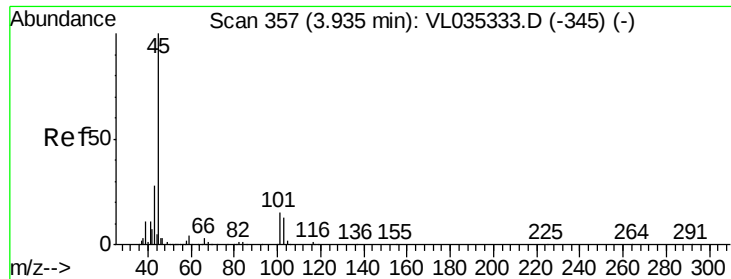
Tot Ion: 39 Resp: 7711
Ion Ratio Lower Upper
39 100
54 28.8 64.4 96.6#



#17
tert-Butyl alcohol
Concen: 0.299 ppbv
RT: 3.93 min Scan# 355
Delta R.T. -0.33 min
Lab File: VL035356.D
Acq: 6 Aug 2020 19:09

Tgt Ion: 59 Resp: 57172
Ion Ratio Lower Upper
59 100
57 10.7 8.8 13.2



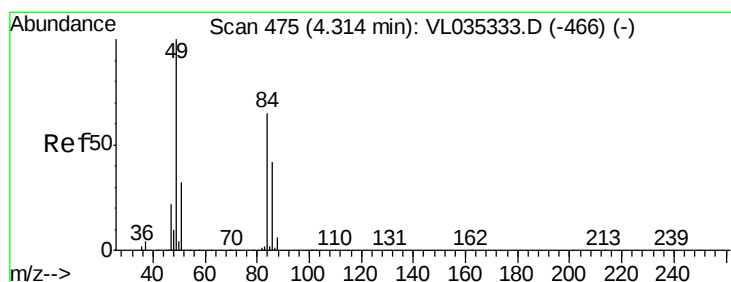
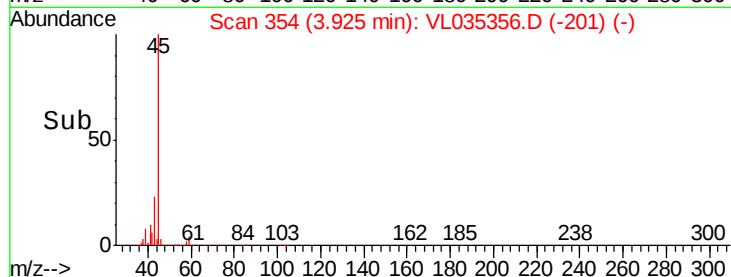
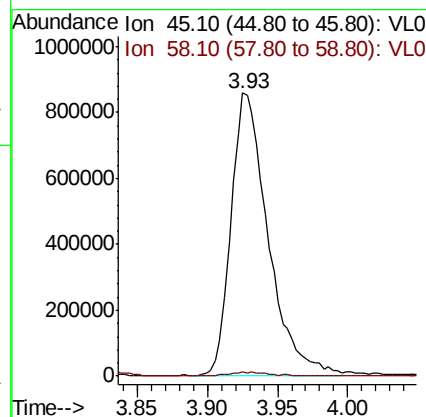
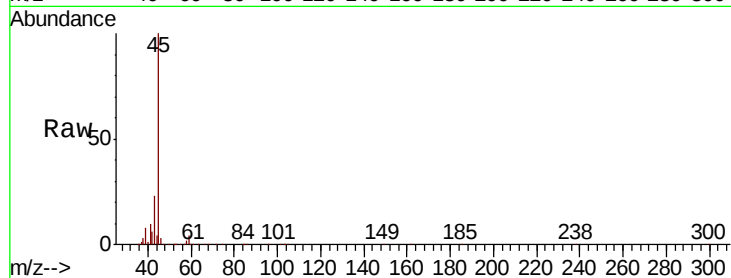


#19

Isopropyl Alcohol
 Concen: 11.944 ppbv
 RT: 3.93 min Scan# 354
 Delta R.T. -0.01 min
 Lab File: VL035356.D
 Acq: 6 Aug 2020 19:09

Instrument :
 MSVOA_L
 ClientSampleId :

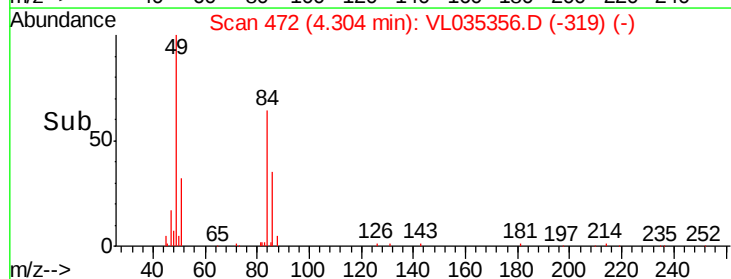
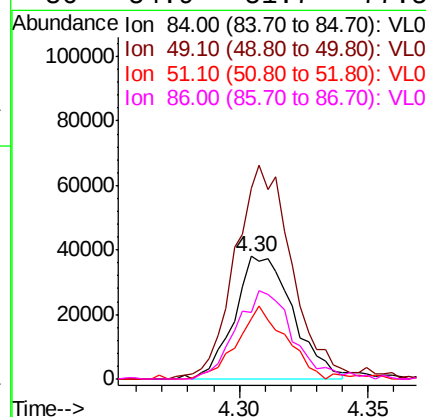
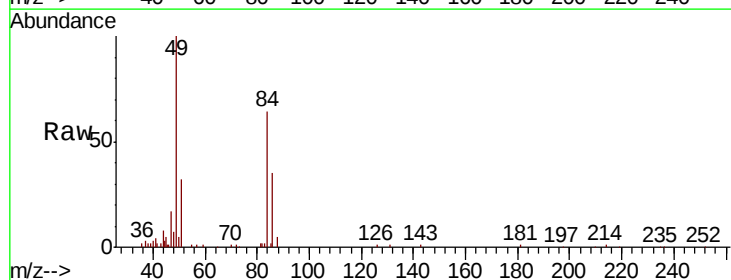
Tot Ion: 45 Resp: 1579822
 Ion Ratio Lower Upper
 45 100
 58 1.7 1.9 2.9#

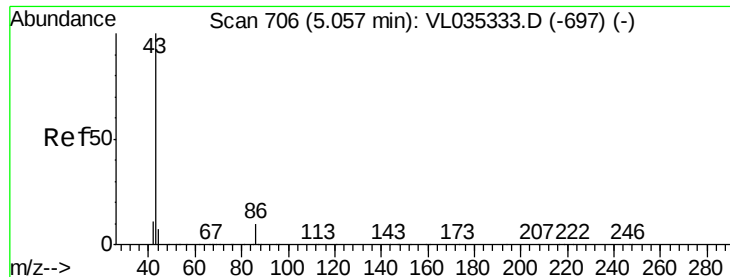


#20

Methylene Chloride
 Concen: 0.699 ppbv
 RT: 4.30 min Scan# 472
 Delta R.T. -0.01 min
 Lab File: VL035356.D
 Acq: 6 Aug 2020 19:09

Tgt Ion: 84 Resp: 59473
 Ion Ratio Lower Upper
 84 100
 49 159.4 122.8 184.2
 51 47.9 40.1 60.1
 86 54.9 51.7 77.5





#23

Vinyl Acetate

Concen: 0.061 ppbv

RT: 5.03 min Scan# 699

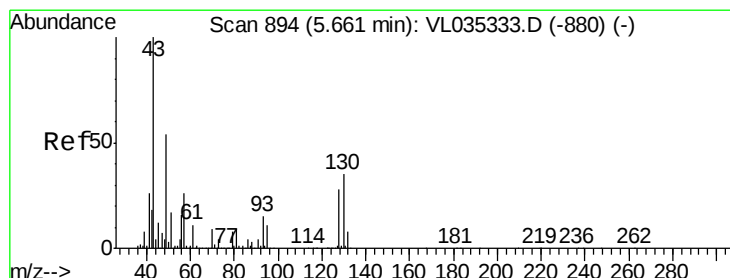
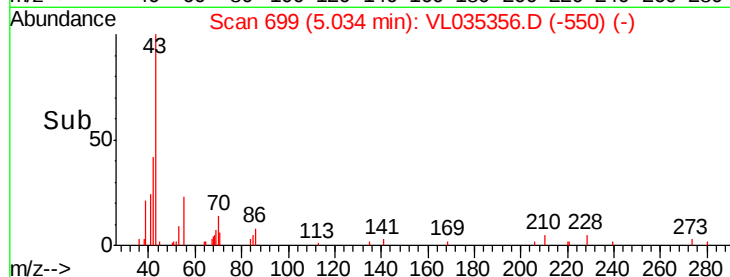
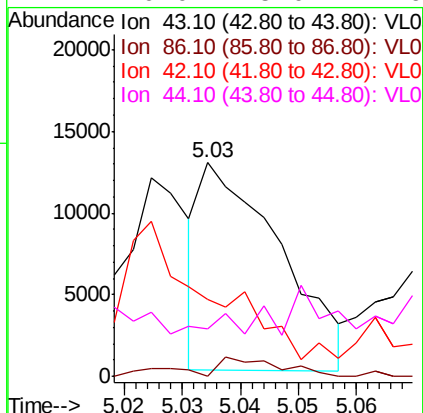
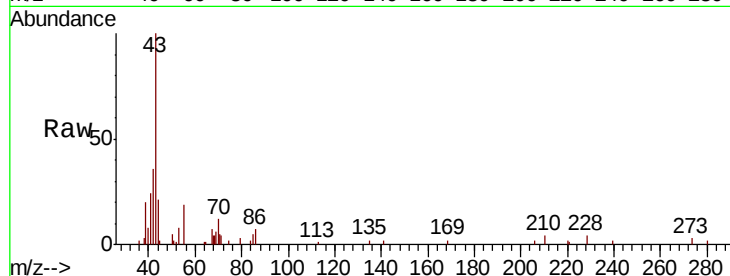
Delta R.T. -0.02 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	12264
Ion	Ratio	Lower	Upper
43	100		
86	0.0	6.9	10.3#
42	36.1	8.8	13.2#
44	0.0	5.0	7.6#



#25

Ethyl Acetate

Concen: 0.347 ppbv

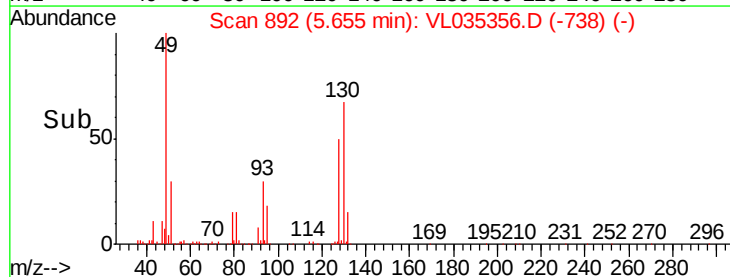
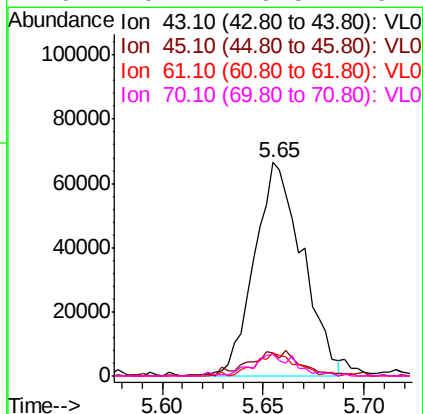
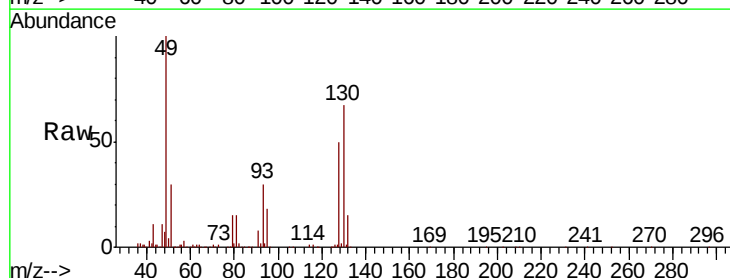
RT: 5.65 min Scan# 892

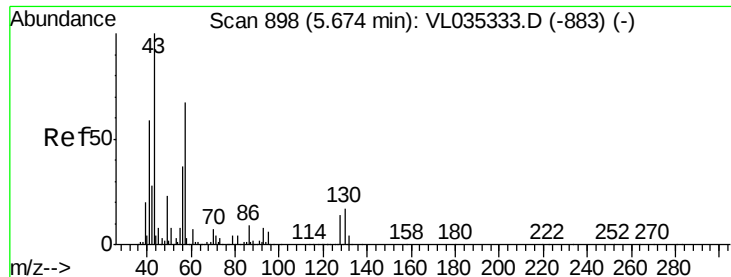
Delta R.T. -0.01 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

Tgt Ion:	43	Resp:	110110
Ion	Ratio	Lower	Upper
43	100		
45	13.4	8.5	12.7#
61	9.6	8.1	12.1
70	9.7	6.5	9.7#

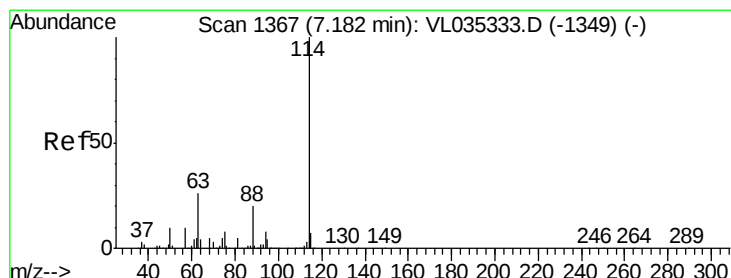
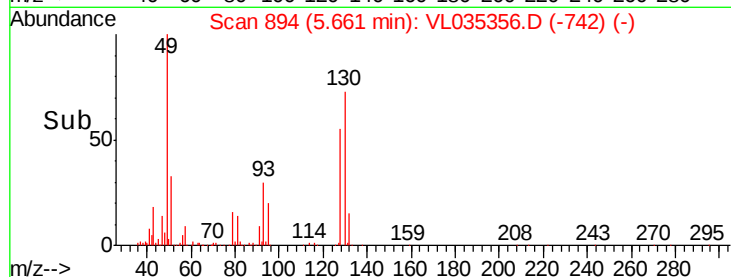
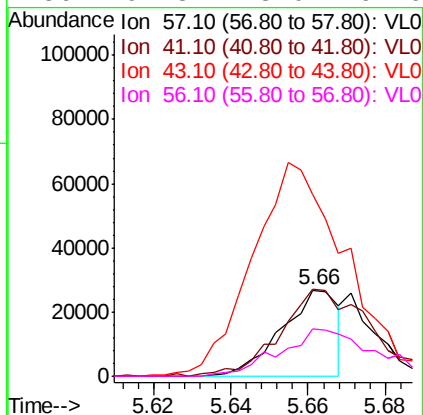
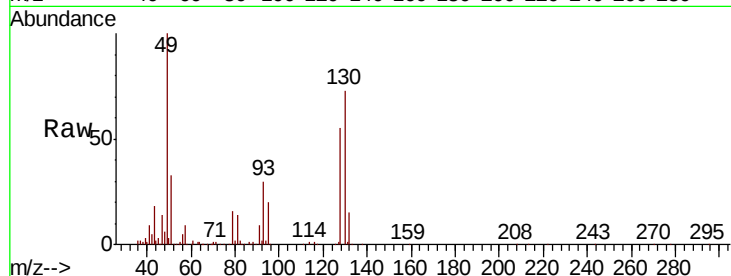




#26
Hexane
Concen: 0.198 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.01 min
Lab File: VL035356.D
Acq: 6 Aug 2020 19:09

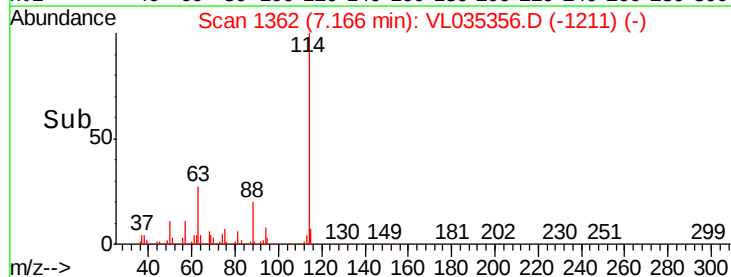
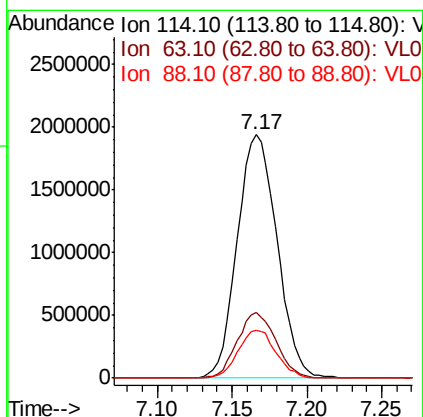
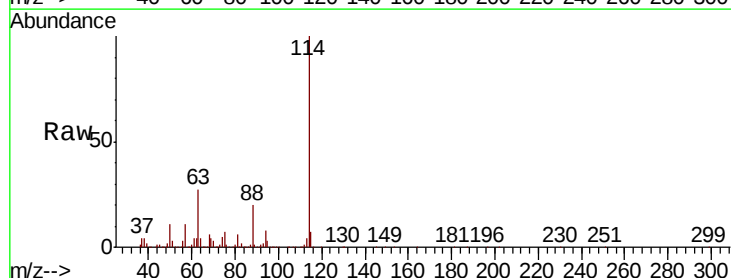
Instrument :
MSVOA_L
ClientSampleId :

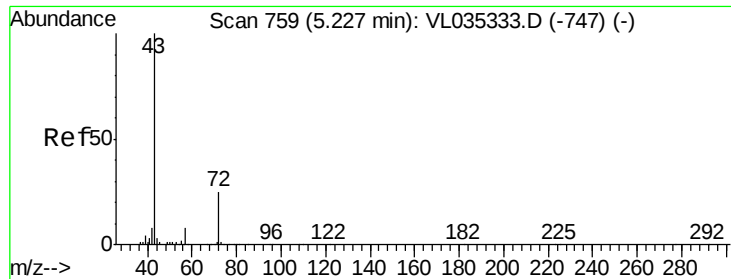
Tot Ion: 57 Resp: 27220
Ion Ratio Lower Upper
57 100
41 164.5 75.2 112.8#
43 423.1 180.6 270.8#
56 91.8 43.0 64.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035356.D
Acq: 6 Aug 2020 19:09

Tgt Ion:114 Resp: 3592457
Ion Ratio Lower Upper
114 100
63 26.3 21.3 31.9
88 18.9 15.3 22.9

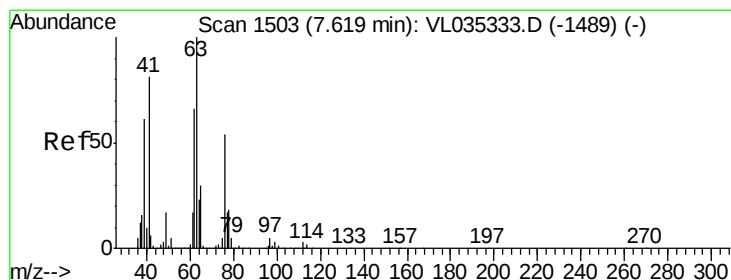
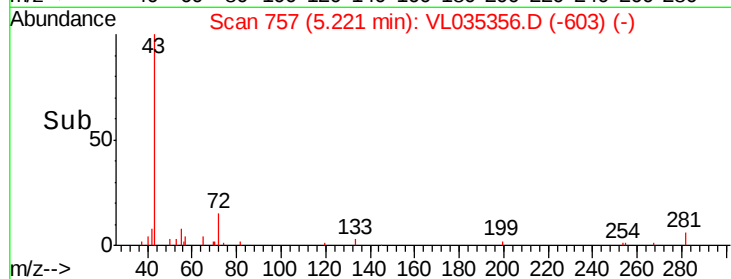
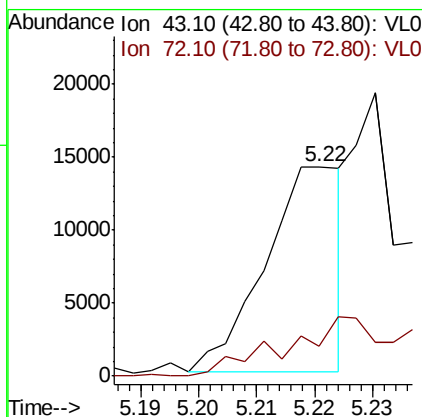
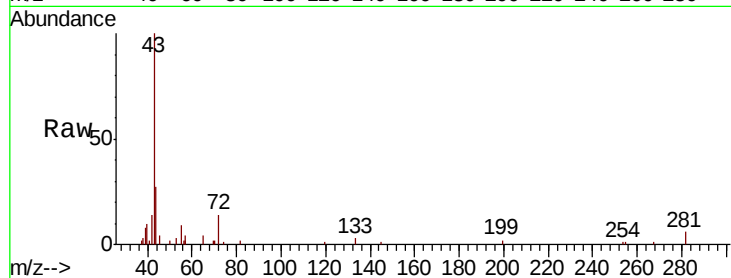




#34
 2-Butanone
 Concen: 0.073 ppbv
 RT: 5.22 min Scan# 757
 Delta R.T. -0.01 min
 Lab File: VL035356.D
 Acq: 6 Aug 2020 19:09

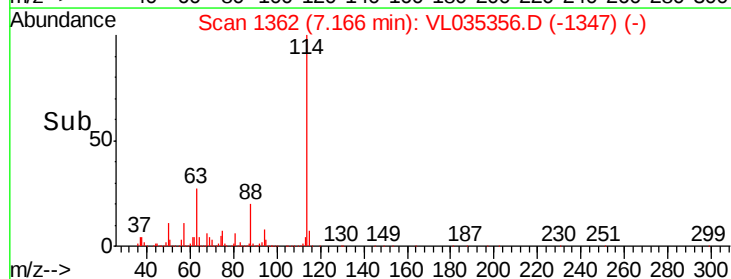
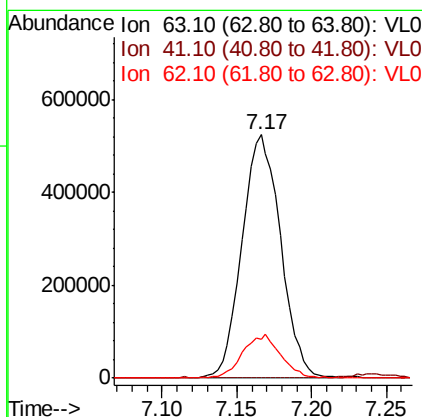
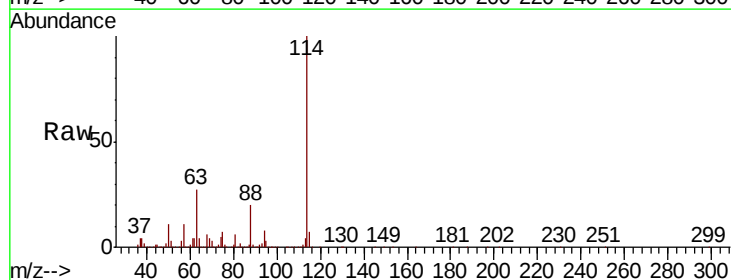
Instrument :
 MSVOA_L
 ClientSampled :

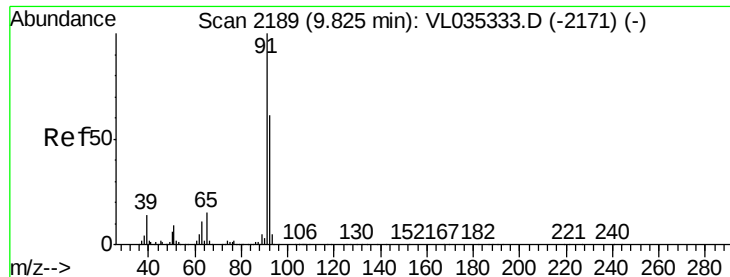
Tot Ion: 43 Resp: 12957
 Ion Ratio Lower Upper
 43 100
 72 46.2 18.9 28.3#



#39
 1,2-Dichloropropane
 Concen: 9.595 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.45 min
 Lab File: VL035356.D
 Acq: 6 Aug 2020 19:09

Tgt Ion: 63 Resp: 942265
 Ion Ratio Lower Upper
 63 100
 41 0.0 64.4 96.6#
 62 16.2 52.6 78.8#





#53

Toluene

Concen: 1.718 ppbv

RT: 9.82 min Scan# 2186

Delta R.T. -0.01 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

Instrument :

MSVOA_L

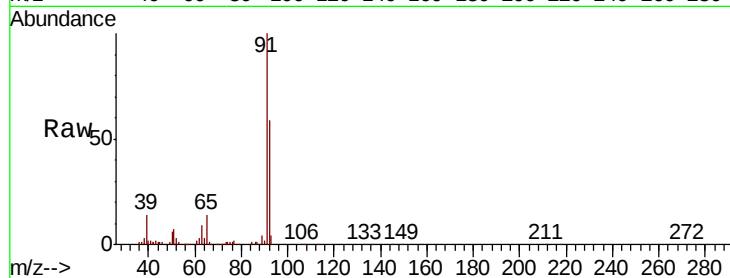
ClientSampleId :

Tot Ion: 91 Resp: 453260

Ion Ratio Lower Upper

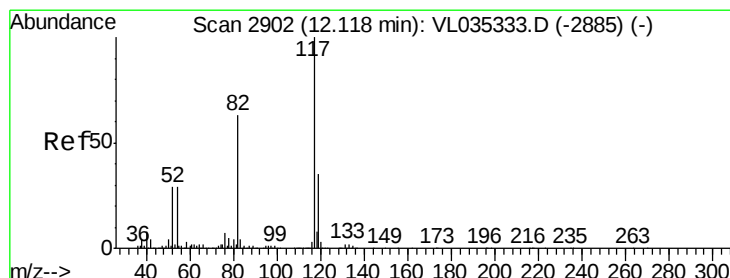
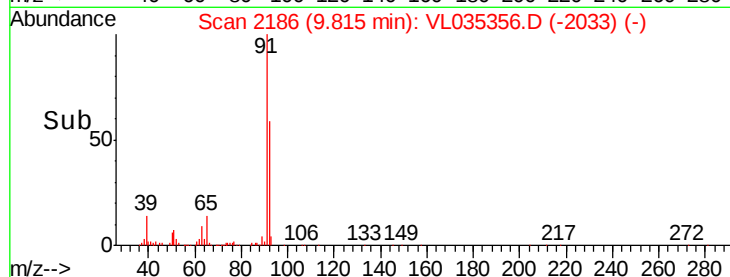
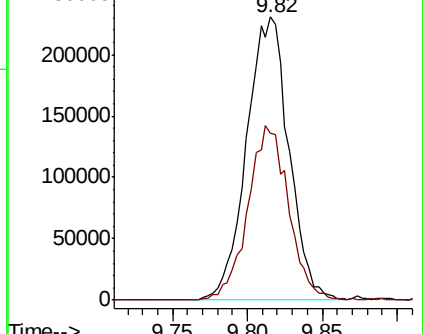
91 100

92 59.1 48.5 72.7



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: 12.10 min Scan# 2897

Delta R.T. -0.02 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

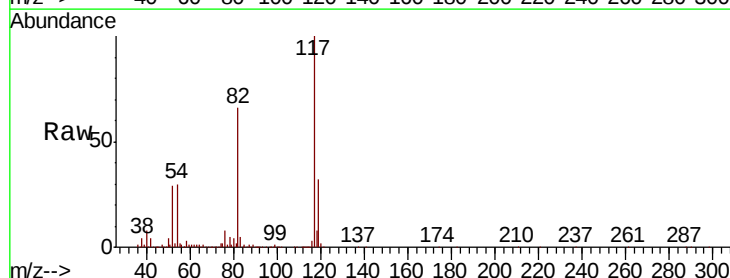
Tgt Ion: 117 Resp: 3397390

Ion Ratio Lower Upper

117 100

82 66.7 51.0 76.4

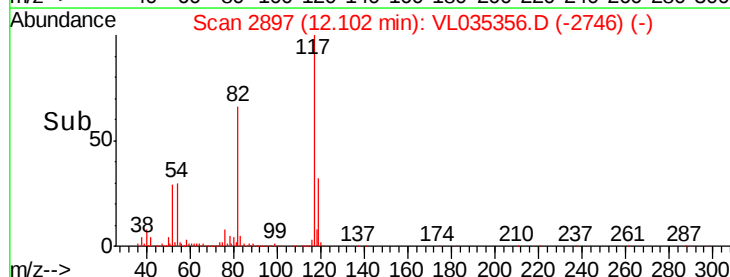
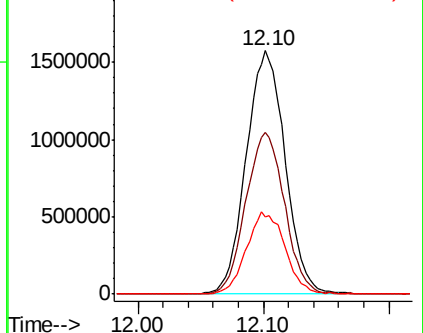
119 33.5 24.7 37.1

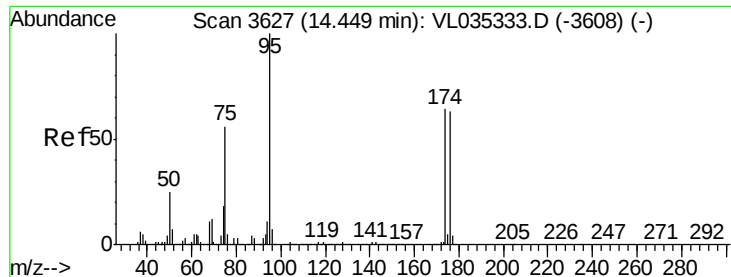


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 10.039 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.01 min

Lab File: VL035356.D

Acq: 6 Aug 2020 19:09

Instrument :

MSVOA_L

ClientSampleId :

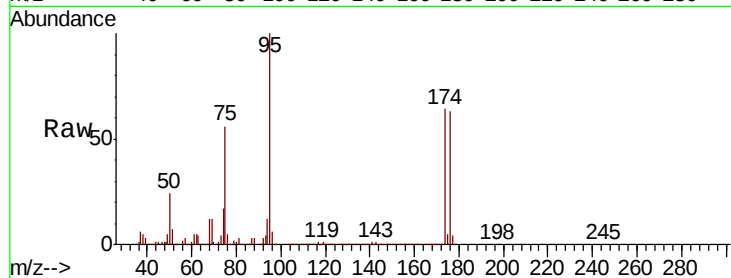
Tot Ion: 95 Resp: 2844196

Ion Ratio Lower Upper

95 100

174 67.6 53.5 80.3

175 5.2 4.2 6.2



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

