

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051420\
 Data File : VL035022.D
 Acq On : 14 May 2020 16:26
 Operator : SY/AP
 Sample : L2567-05DL2 40XDUP
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: May 15 01:08:32 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	5.65	49	1031788	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	2326564	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.10	117	2272903	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.44	95	1986825	10.80	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	108.00%

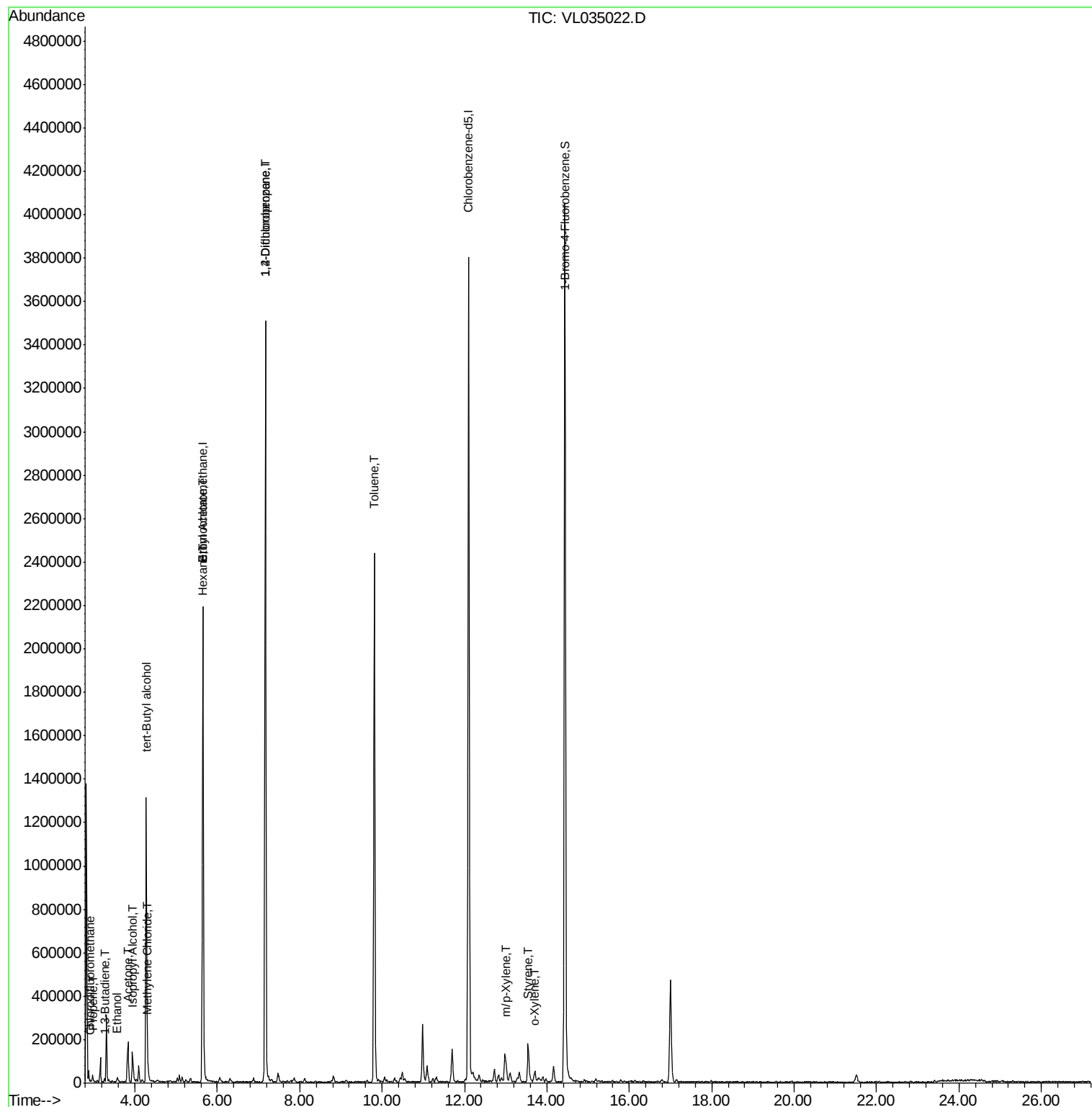
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.92	51	3626	0.031	ppbv #	74
9) Propene	2.97	41	10154	0.199	ppbv	96
13) Ethanol	3.56	45	1999	0.119	ppbv #	39
15) Acetone	3.82	43	169155	1.240	ppbv	93
16) 1,3-Butadiene	3.26	39	4137	0.070	ppbv #	15
17) tert-Butyl alcohol	4.28	59	103256	0.851	ppbv #	71
19) Isopropyl Alcohol	3.94	45	132707	1.459	ppbv #	94
20) Methylene Chloride	4.32	84	21456	0.475	ppbv #	88
25) Ethyl Acetate	5.66	43	59845	0.261	ppbv #	95
26) Hexane	5.66	57	16110	0.162	ppbv #	15
39) 1,2-Dichloropropane	7.17	63	658136	8.559	ppbv #	25
53) Toluene	9.81	91	1786967	8.788	ppbv	99
59) m/p-Xylene	13.01	91	28344	0.115	ppbv #	8
60) o-Xylene	13.70	91	34989	0.143	ppbv	100
61) Styrene	13.55	104	58553	0.379	ppbv #	42

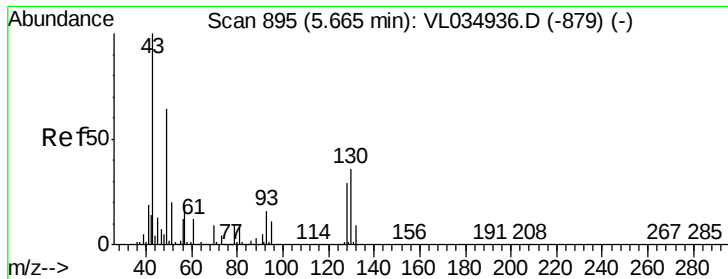
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051420\
Data File : VL035022.D
Acq On : 14 May 2020 16:26
Operator : SY/AP
Sample : L2567-05DL2 40XDUP
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: May 15 01:08:32 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: 5.65 min Scan# 890

Delta R.T. -0.02 min

Lab File: VL035022.D

Acq: 14 May 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :

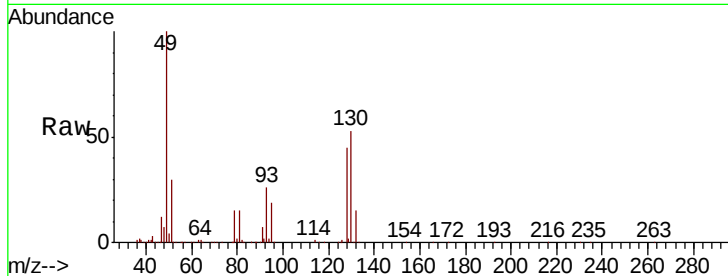
Tot Ion: 49 Resp: 1031788

Ion Ratio Lower Upper

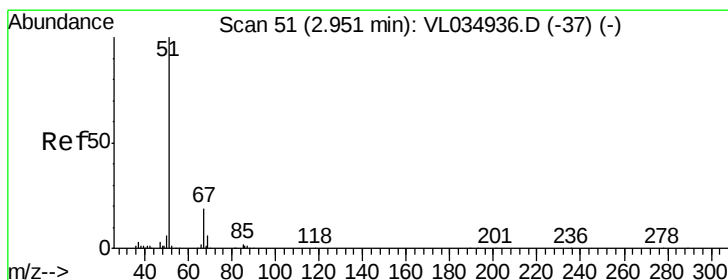
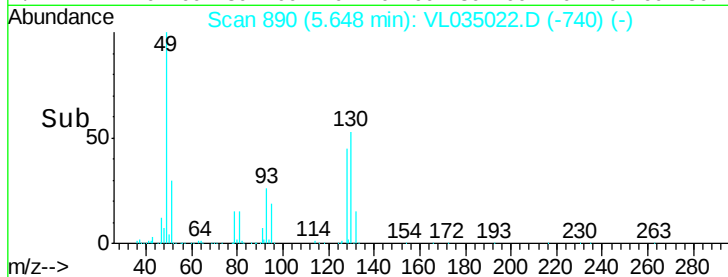
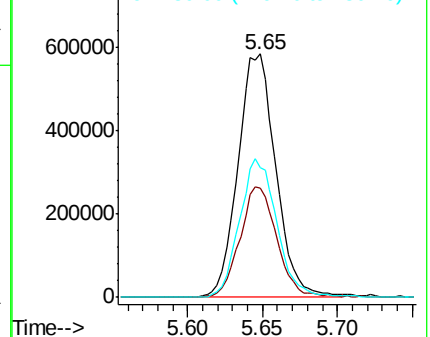
49 100

128 44.7 22.1 66.5

130 56.4 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



#3

Chlorodifluoromethane

Concen: 0.031 ppbv

RT: 2.92 min Scan# 41

Delta R.T. -0.03 min

Lab File: VL035022.D

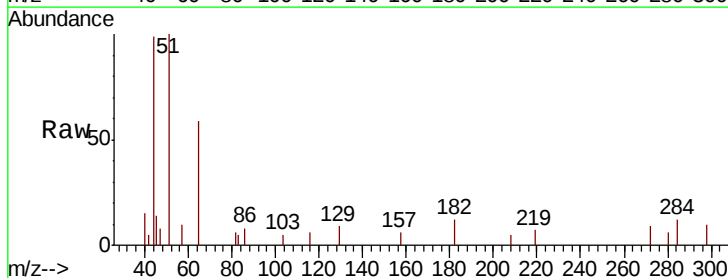
Acq: 14 May 2020 16:26

Tgt Ion: 51 Resp: 3626

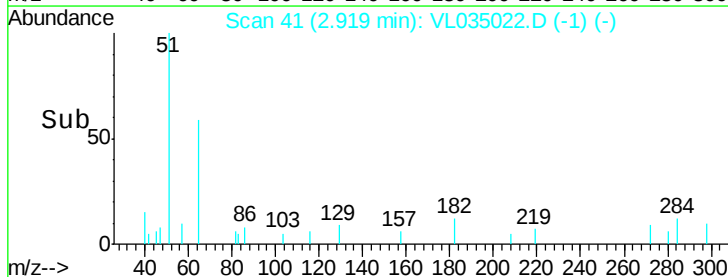
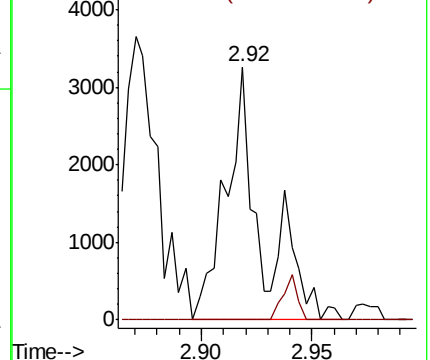
Ion Ratio Lower Upper

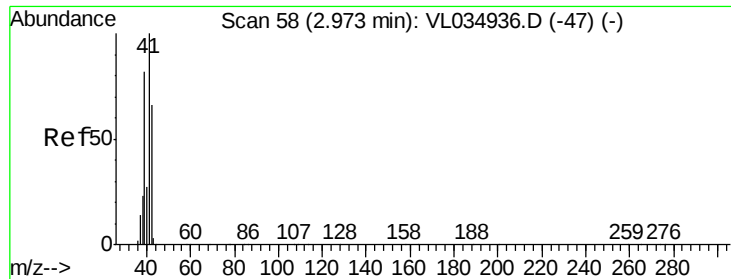
51 100

67 7.2 15.0 22.6#



Abundance Ion 51.00 (50.70 to 51.70): VL0
Ion 67.00 (66.70 to 67.70): VL0





#9

Propene

Concen: 0.199 ppbv

RT: 2.97 min Scan# 56

Delta R.T. -0.01 min

Lab File: VL035022.D

Acq: 14 May 2020 16:26

Instrument :

MSVOA_L

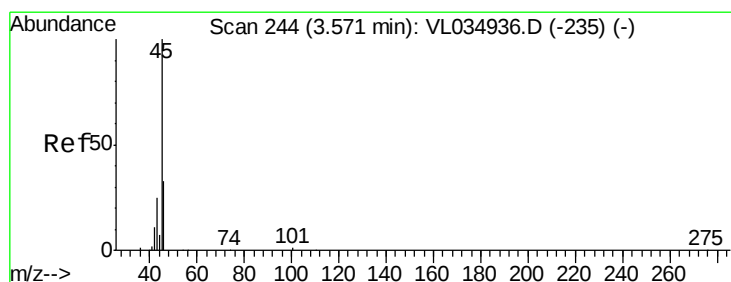
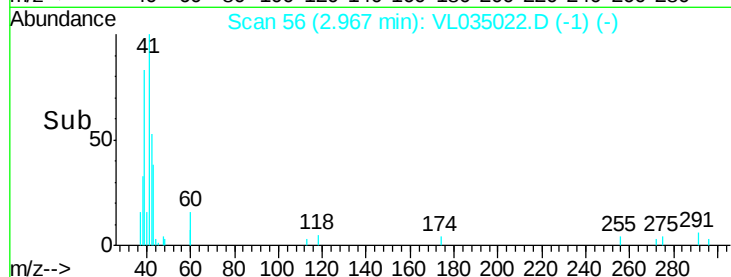
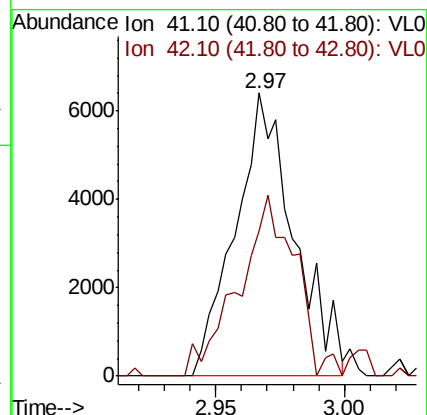
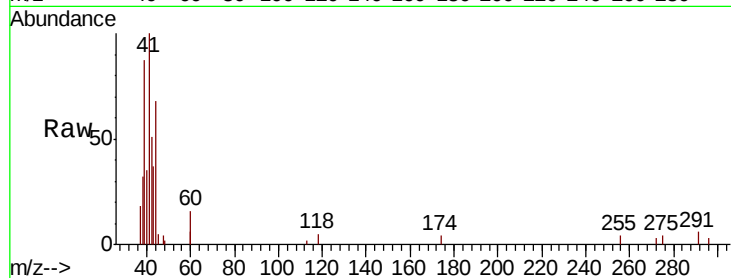
ClientSampleId :

Tot Ion: 41 Resp: 10154

Ion Ratio Lower Upper

41 100

42 65.0 54.5 81.7



#13

Ethanol

Concen: 0.119 ppbv

RT: 3.56 min Scan# 239

Delta R.T. -0.02 min

Lab File: VL035022.D

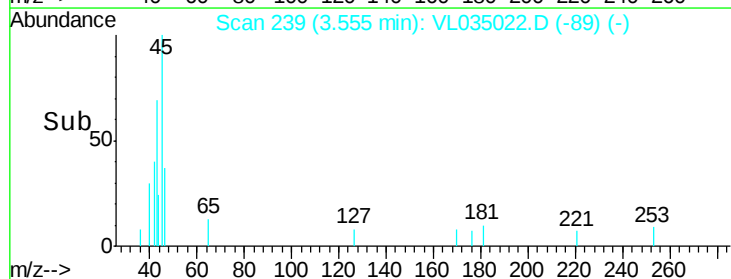
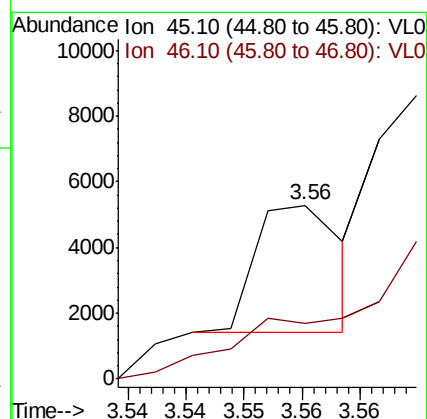
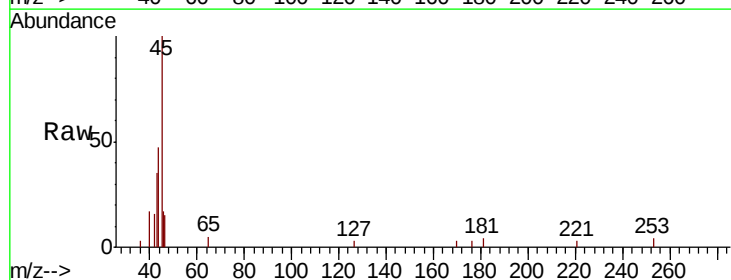
Acq: 14 May 2020 16:26

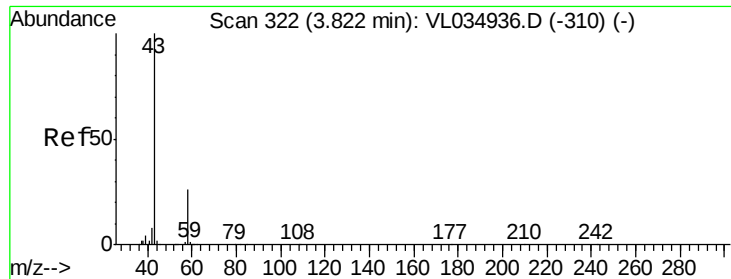
Tgt Ion: 45 Resp: 1999

Ion Ratio Lower Upper

45 100

46 0.0 14.3 57.3#





#15

Acetone

Concen: 1.240 ppbv

RT: 3.82 min Scan# 320

Delta R.T. -0.01 min

Lab File: VL035022.D

Acq: 14 May 2020 16:26

Instrument :

MSVOA_L

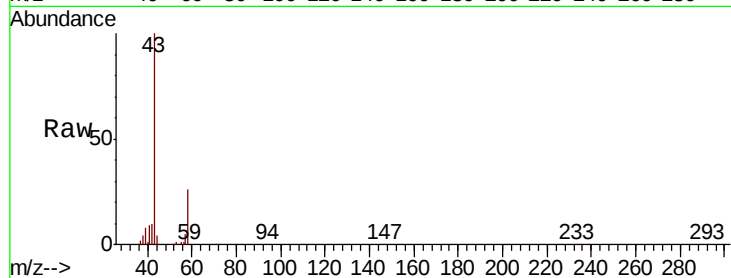
ClientSampleId :

Tot Ion: 43 Resp: 169155

Ion Ratio Lower Upper

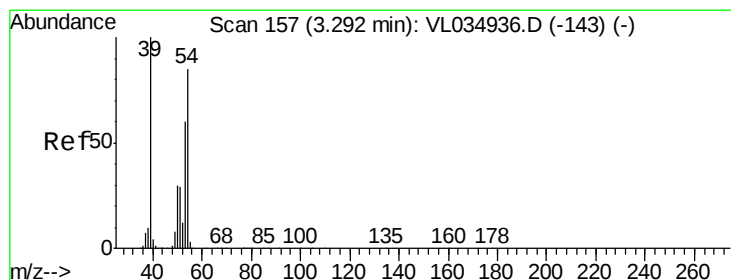
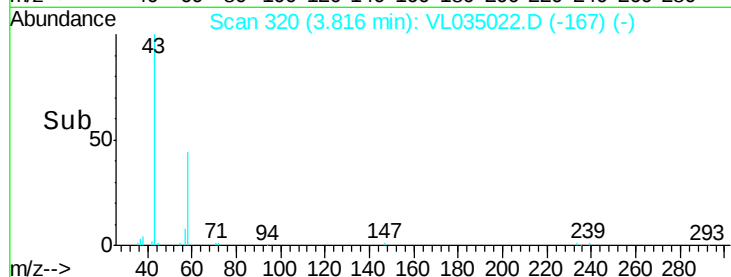
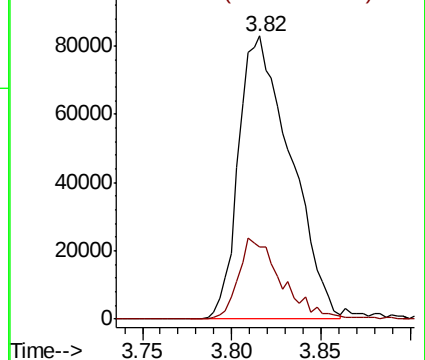
43 100

58 23.7 21.7 32.5



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#16

1,3-Butadiene

Concen: 0.070 ppbv

RT: 3.26 min Scan# 148

Delta R.T. -0.03 min

Lab File: VL035022.D

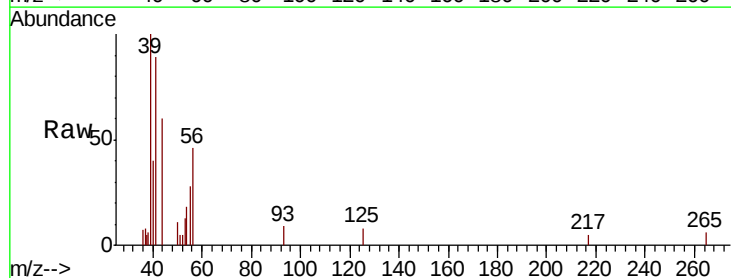
Acq: 14 May 2020 16:26

Tgt Ion: 39 Resp: 4137

Ion Ratio Lower Upper

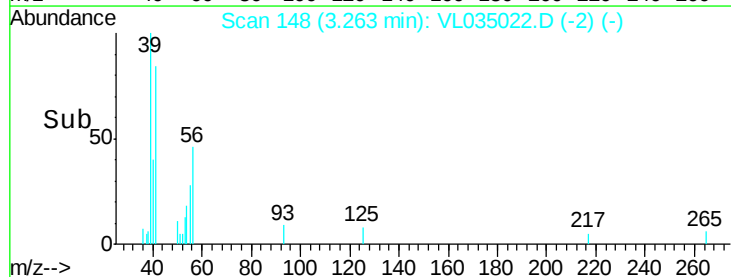
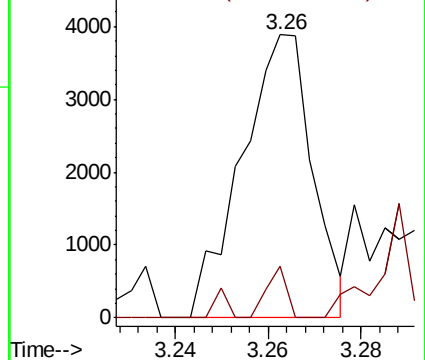
39 100

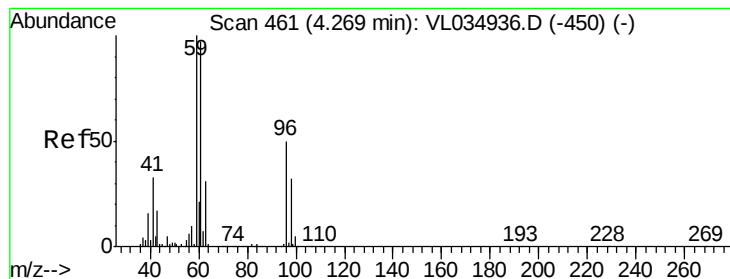
54 7.0 66.6 100.0#



Abundance Ion 39.10 (38.80 to 39.80): VL0

Ion 54.10 (53.80 to 54.80): VL0



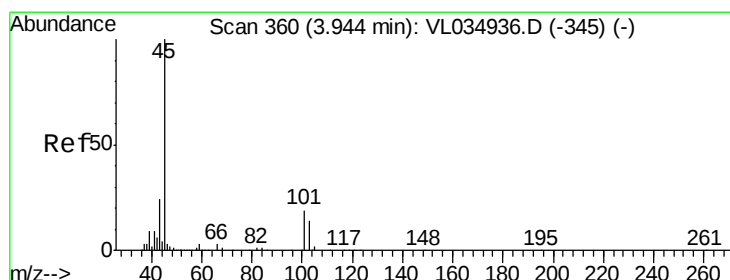
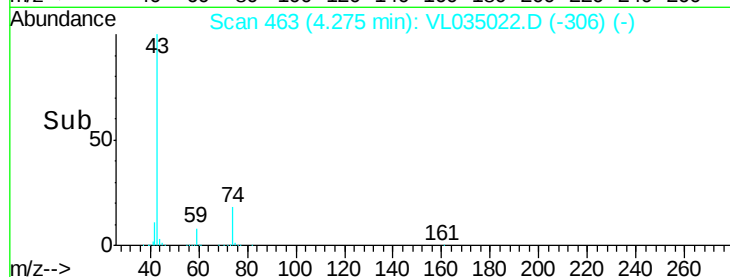
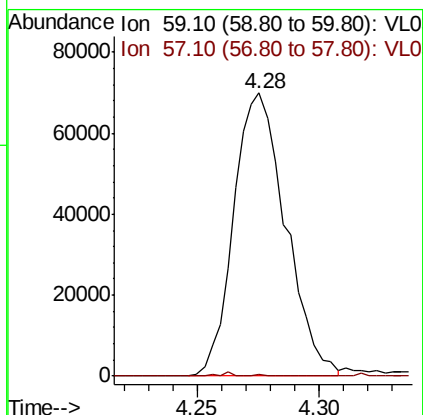
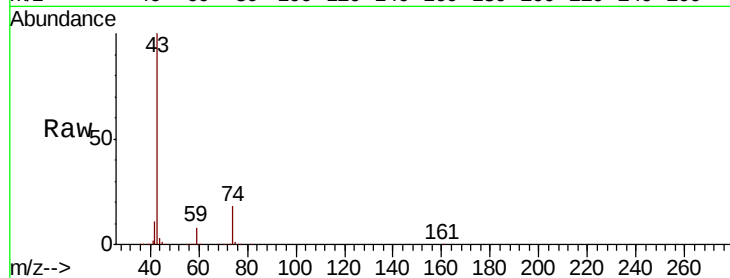


#17

tert-Butyl alcohol
Concen: 0.851 ppbv
RT: 4.28 min Scan# 463
Delta R.T. 0.01 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :

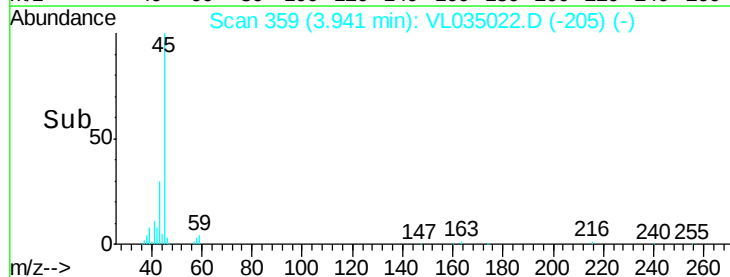
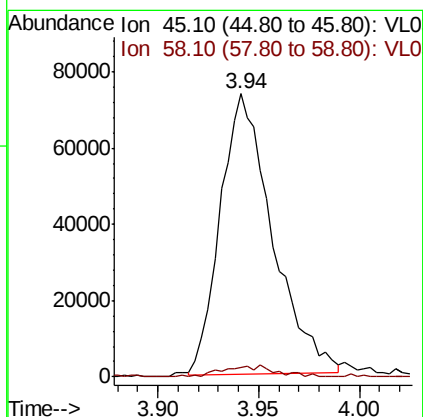
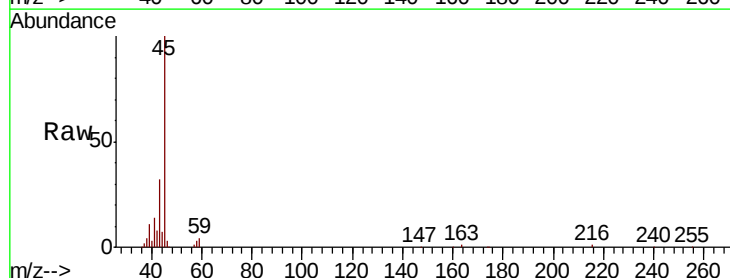
Tot Ion: 59 Resp: 103256
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

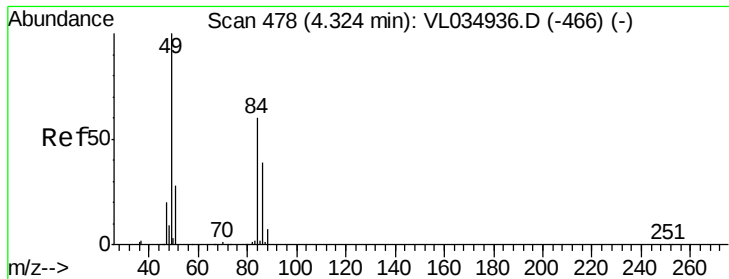


#19

Isopropyl Alcohol
Concen: 1.459 ppbv
RT: 3.94 min Scan# 359
Delta R.T. -0.00 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion: 45 Resp: 132707
Ion Ratio Lower Upper
45 100
58 4.2 1.7 2.5#

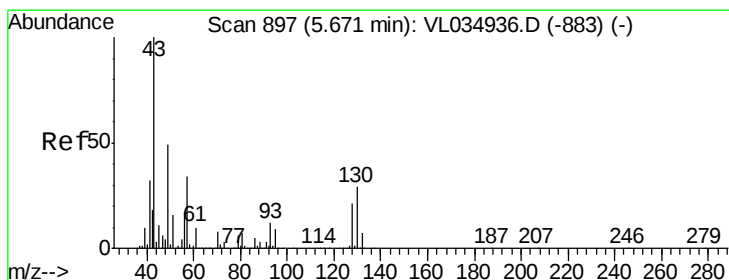
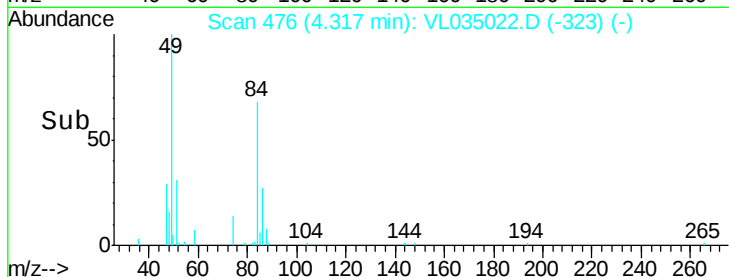
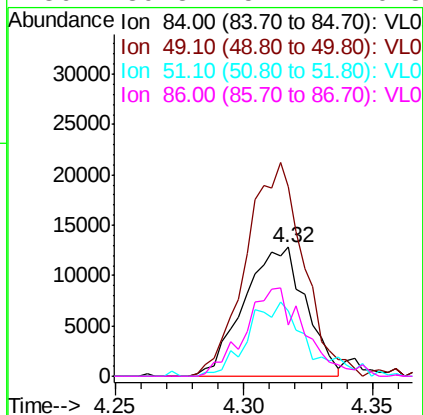
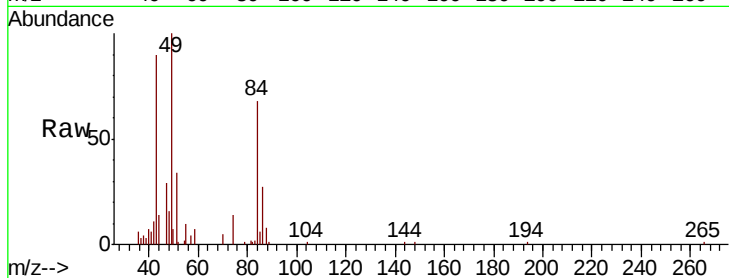




#20
Methvlene Chloride
Concen: 0.475 ppbv
RT: 4.32 min Scan# 476
Delta R.T. -0.01 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

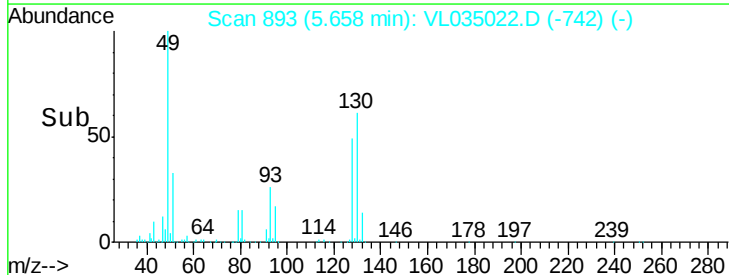
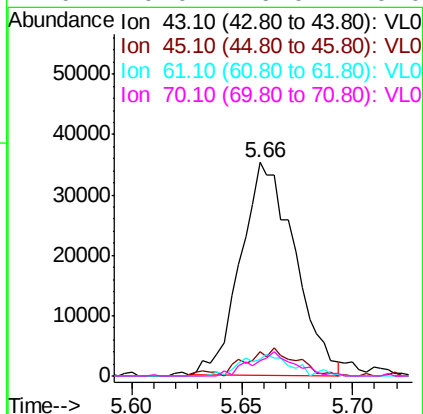
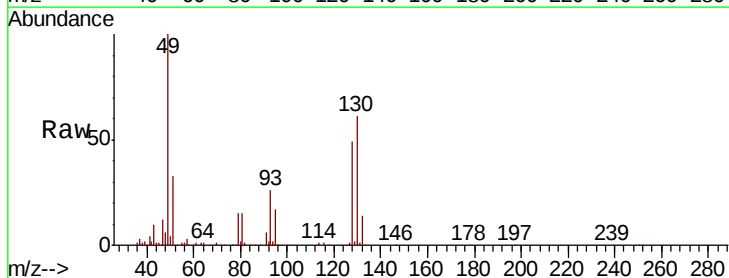
Instrument :
MSVOA_L
ClientSampleId :

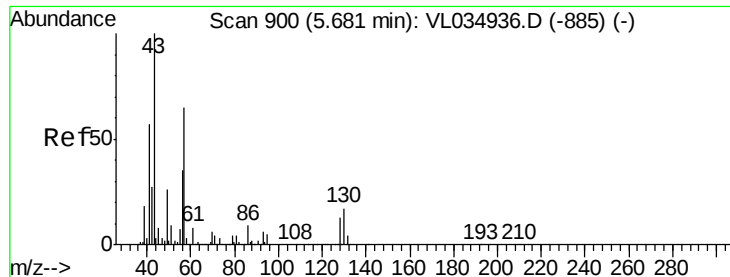
Tot Ion: 84 Resp: 21456
Ion Ratio Lower Upper
84 100
49 155.9 132.5 198.7
51 50.4 38.4 57.6
86 39.8 51.2 76.8#



#25
Ethyl Acetate
Concen: 0.261 ppbv
RT: 5.66 min Scan# 893
Delta R.T. -0.01 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion: 43 Resp: 59845
Ion Ratio Lower Upper
43 100
45 13.2 8.1 12.1#
61 9.4 7.8 11.8
70 9.0 6.0 9.0

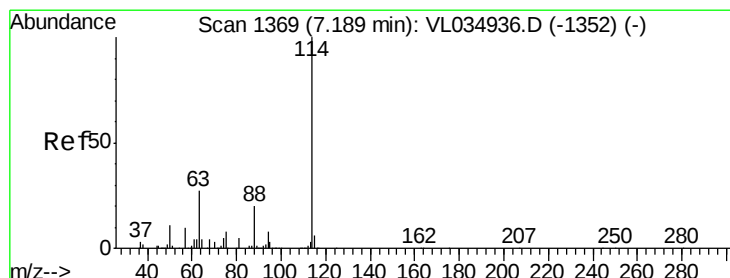
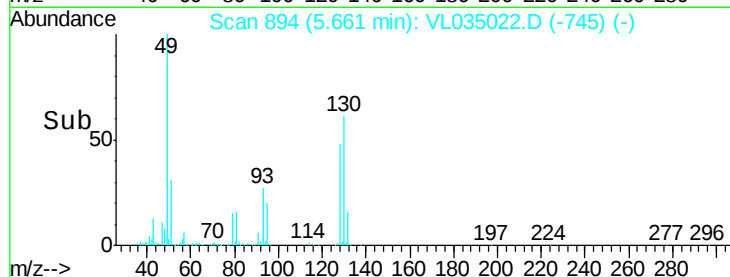
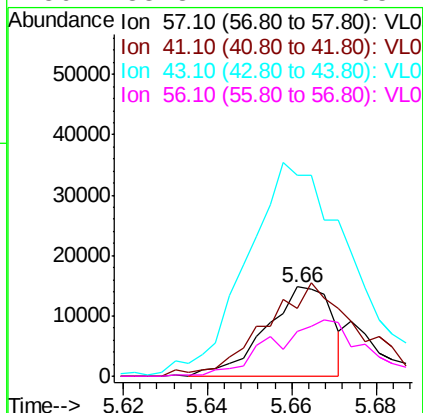
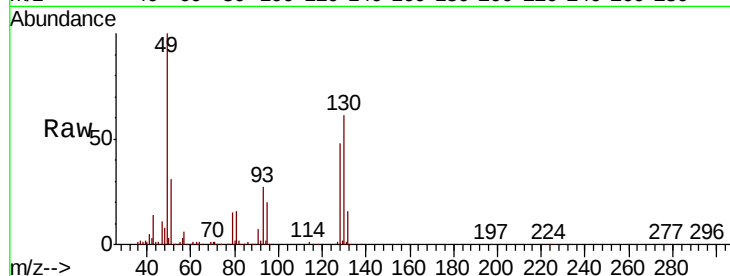




#26
Hexane
Concen: 0.162 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

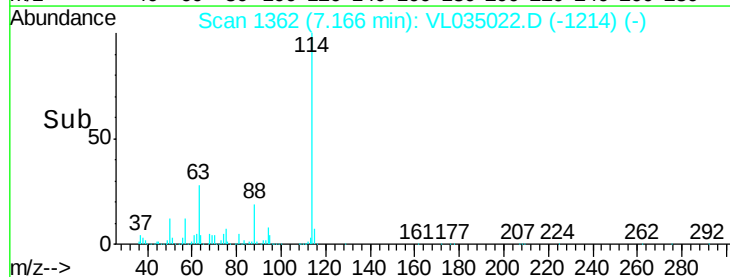
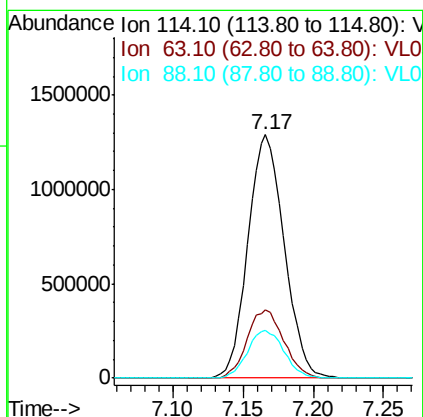
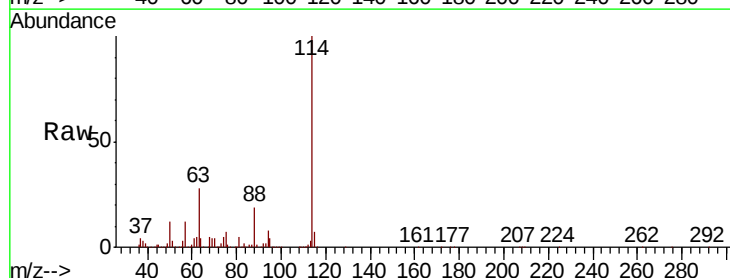
Instrument :
MSVOA_L
ClientSampleId :

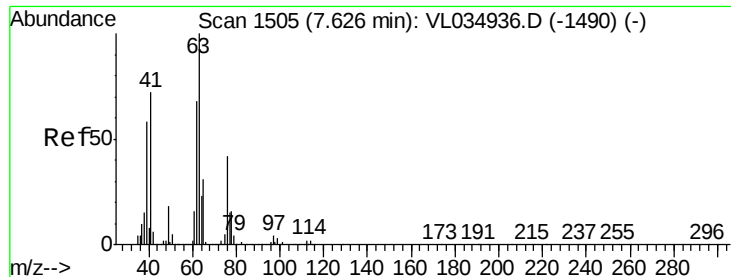
Tot Ion: 57 Resp: 16110
Ion Ratio Lower Upper
57 100
41 154.4 72.7 109.1#
43 392.7 182.1 273.1#
56 88.3 42.2 63.2#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1362
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion: 114 Resp: 2326564
Ion Ratio Lower Upper
114 100
63 28.4 22.2 33.4
88 19.8 15.5 23.3

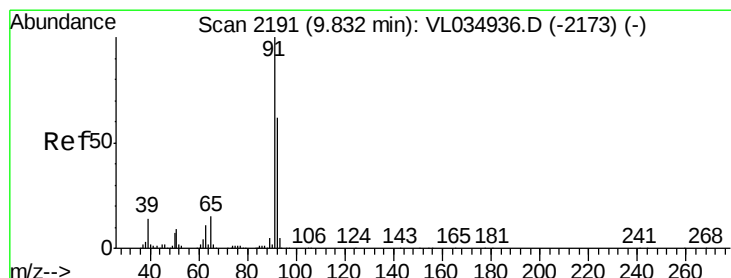
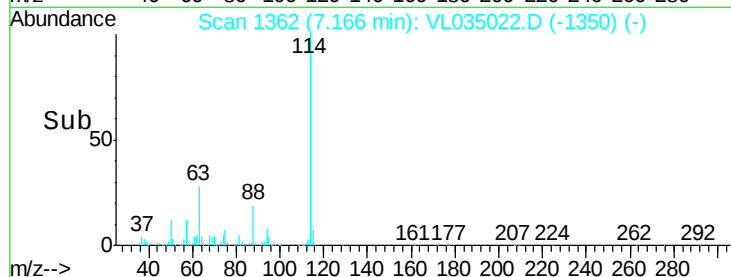
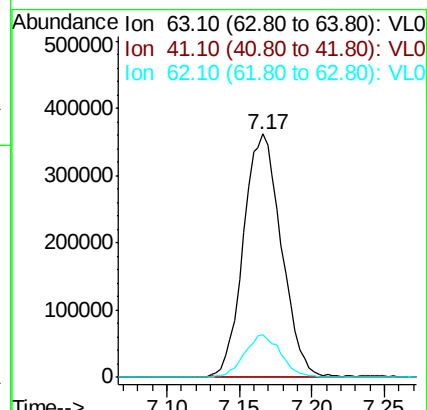
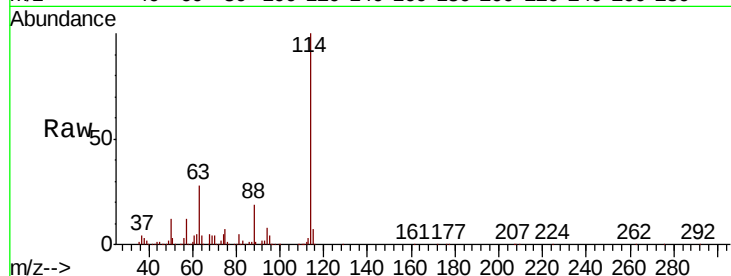




#39
 1,2-Dichloropropane
 Concen: 8.559 ppbv
 RT: 7.17 min Scan# 1362
 Delta R.T. -0.46 min
 Lab File: VL035022.D
 Acq: 14 May 2020 16:26

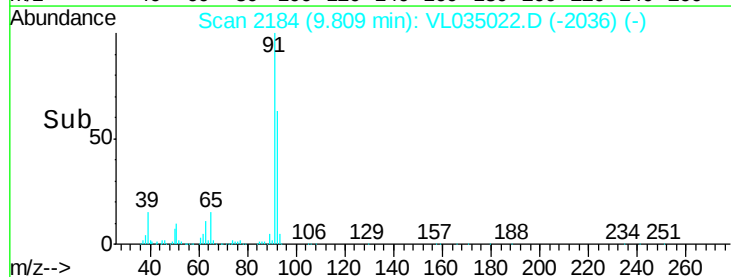
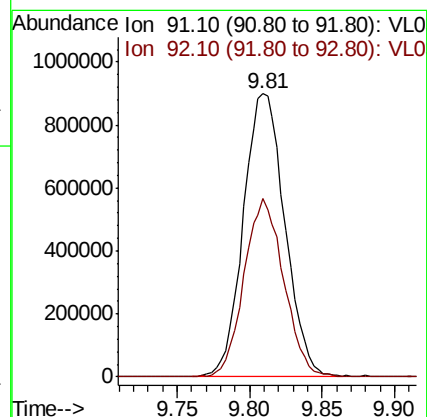
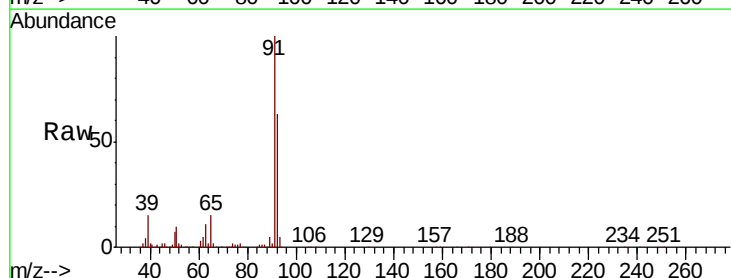
Instrument :
 MSVOA_L
 ClientSampleId :

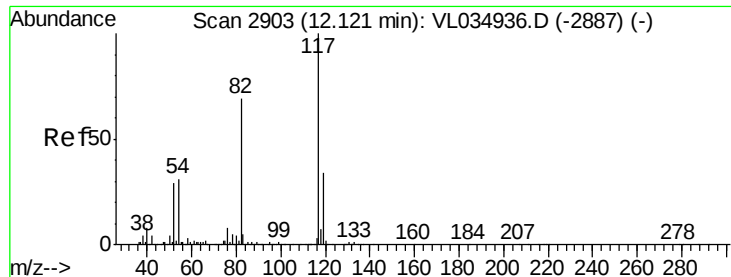
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	57.8	86.8#
62	17.3	54.2	81.2#



#53
 Toluene
 Concen: 8.788 ppbv
 RT: 9.81 min Scan# 2184
 Delta R.T. -0.02 min
 Lab File: VL035022.D
 Acq: 14 May 2020 16:26

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.4	48.6	73.0

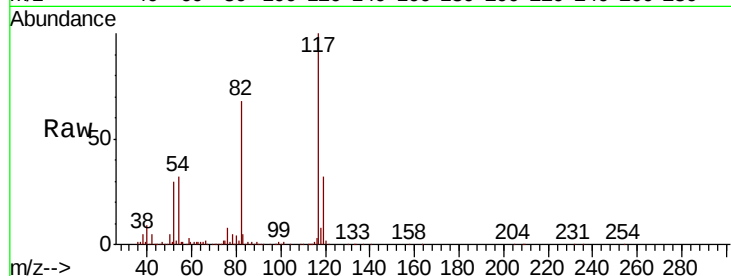




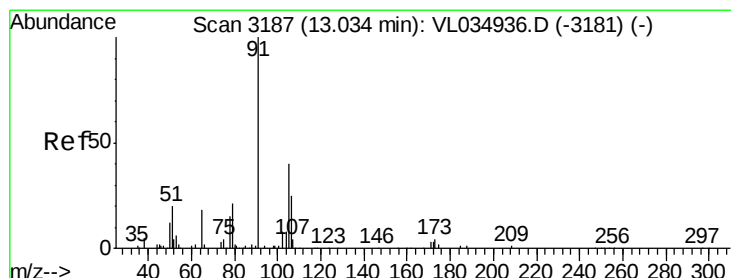
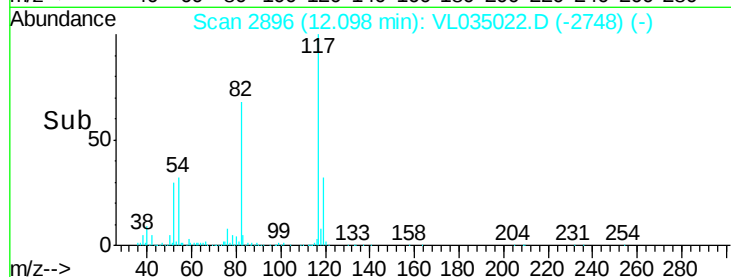
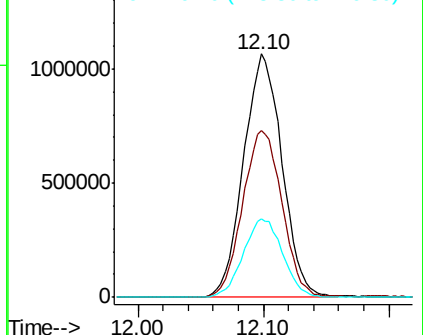
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min Scan# 2896
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 2272903
Ion Ratio Lower Upper
117 100
82 70.2 53.1 79.7
119 33.0 26.7 40.1

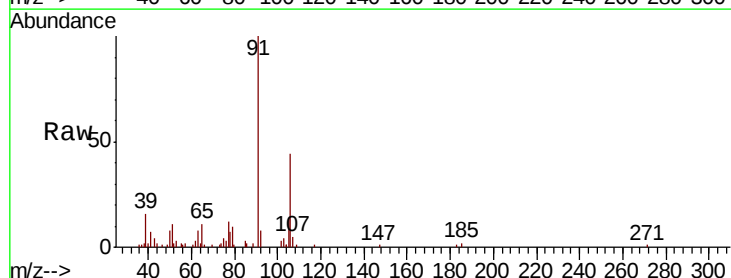


Abundance Ion 117.10 (116.80 to 117.80): V
Ion 82.10 (81.80 to 82.80): VL0
Ion 119.10 (118.80 to 119.80): V

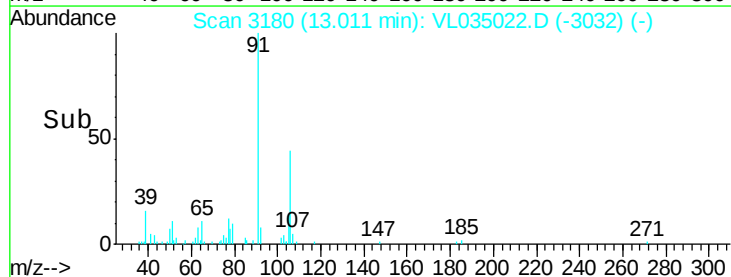
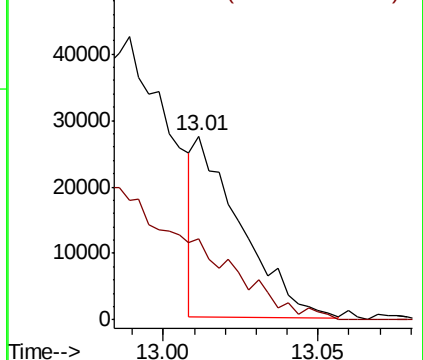


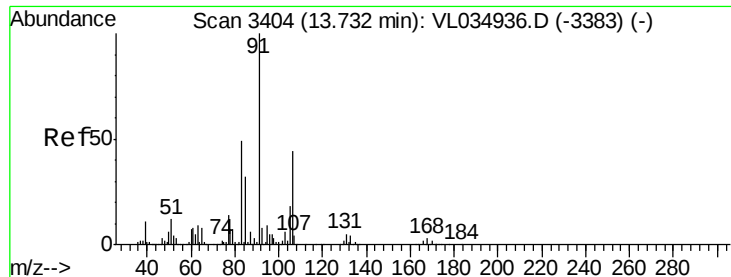
#59
m/p-Xylene
Concen: 0.115 ppbv
RT: 13.01 min Scan# 3180
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion: 91 Resp: 28344
Ion Ratio Lower Upper
91 100
106 0.0 66.0 99.0#



Abundance Ion 91.10 (90.80 to 91.80): VL0
Ion 106.10 (105.80 to 106.80): V

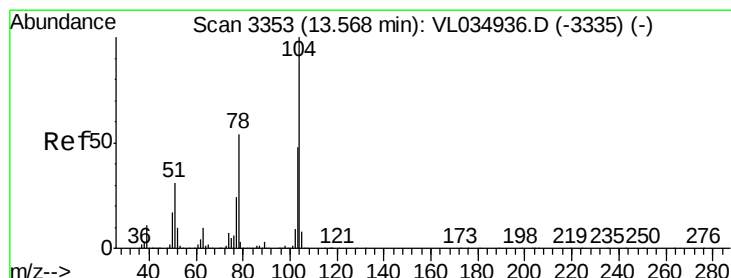
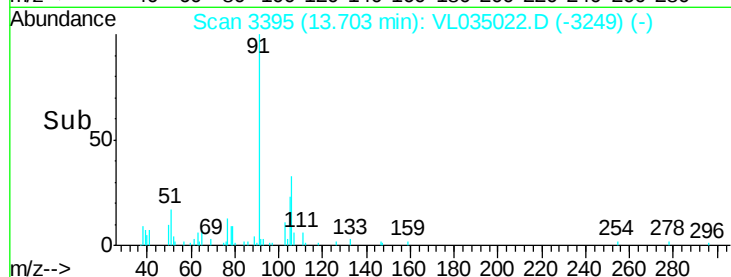
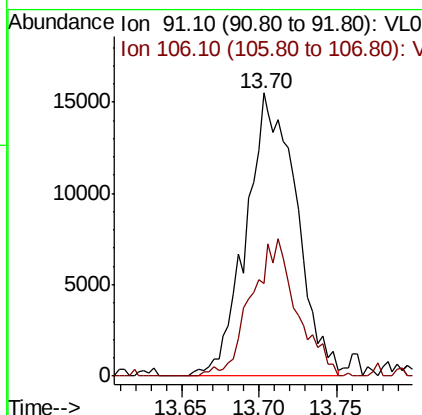
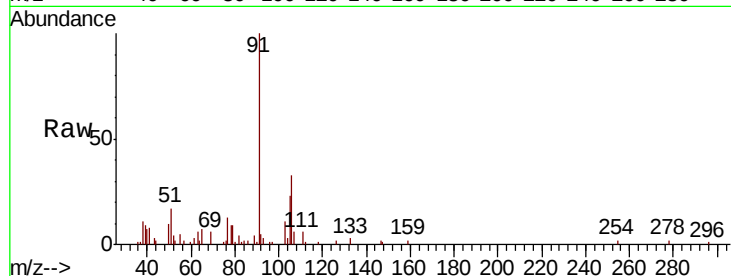




#60
o-Xylene
Concen: 0.143 ppbv
RT: 13.70 min Scan# 3395
Delta R.T. -0.03 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

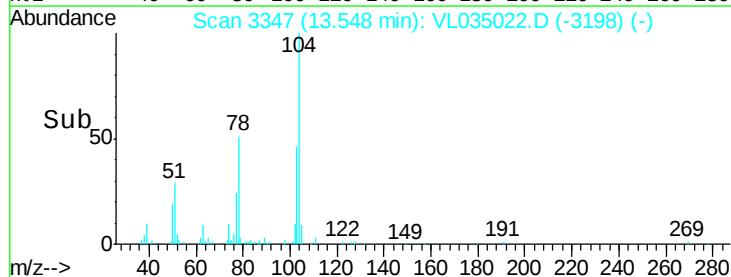
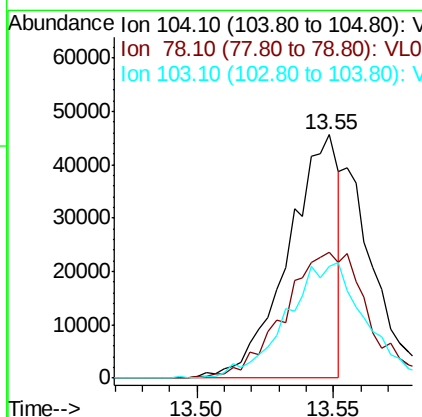
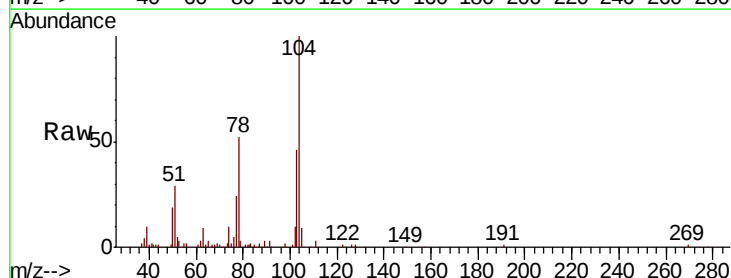
Instrument :
MSVOA_L
ClientSampleId :

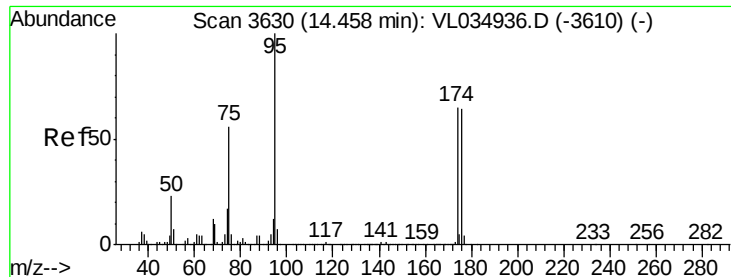
Tot Ion: 91 Resp: 34989
Ion Ratio Lower Upper
91 100
106 43.9 21.9 65.5



#61
Styrene
Concen: 0.379 ppbv
RT: 13.55 min Scan# 3347
Delta R.T. -0.02 min
Lab File: VL035022.D
Acq: 14 May 2020 16:26

Tgt Ion: 104 Resp: 58553
Ion Ratio Lower Upper
104 100
78 88.0 43.7 65.5#
103 0.0 38.8 58.2#





#68

1-Bromo-4-Fluorobenzene

Concen: 10.799 ppbv

RT: 14.44 min Scan# 3623

Delta R.T. -0.02 min

Lab File: VL035022.D

Acq: 14 May 2020 16:26

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 1986825

Ion Ratio Lower Upper

95 100

174 63.3 51.5 77.3

175 4.8 3.8 5.8

