

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036569.D
 Acq On : 30 Mar 2021 14:21
 Operator : SY/AP
 Sample : M1797-01DL2 40X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:15:14 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
 QLast Update : Thu Mar 25 09:42:40 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1210819	10.00	ppbv	-0.03
33) 1,4-Difluorobenzene	7.15	114	3034924	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	2629923	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene		14.39	95	2122430	10.13	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%	

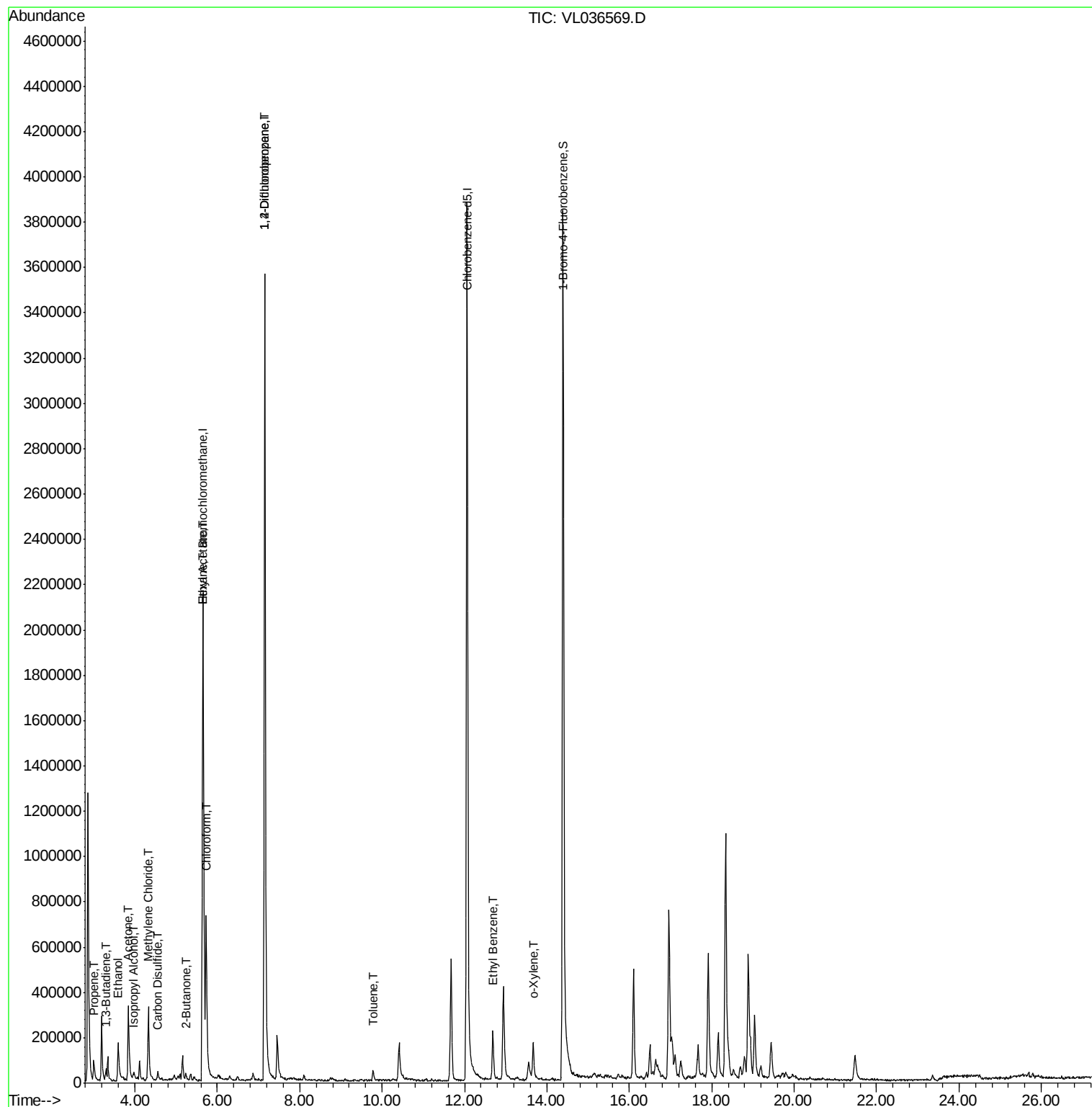
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.00	41	16297	0.226	ppbv #	14
13) Ethanol	3.59	45	170711	19.877	ppbv	77
15) Acetone	3.84	43	436787	3.665	ppbv	94
16) 1,3-Butadiene	3.31	39	3148	0.038	ppbv #	62
19) Isopropyl Alcohol	3.97	45	24503	0.374	ppbv #	89
20) Methylene Chloride	4.33	84	117674	2.109	ppbv	91
25) Ethyl Acetate	5.66	43	162667	0.574	ppbv #	78
26) Hexane	5.66	57	225537	1.715	ppbv #	46
27) Carbon Disulfide	4.53	76	5546	0.043	ppbv #	17
29) Chloroform	5.73	83	496000	2.359	ppbv	93
34) 2-Butanone	5.24	43	29800	0.201	ppbv #	81
39) 1,2-Dichloropropane	7.15	63	785577	6.919	ppbv #	22
53) Toluene	9.78	91	30820	0.103	ppbv	89
58) Ethyl Benzene	12.69	91	187911	0.491	ppbv	97
60) o-Xylene	13.67	91	112202	0.348	ppbv	98

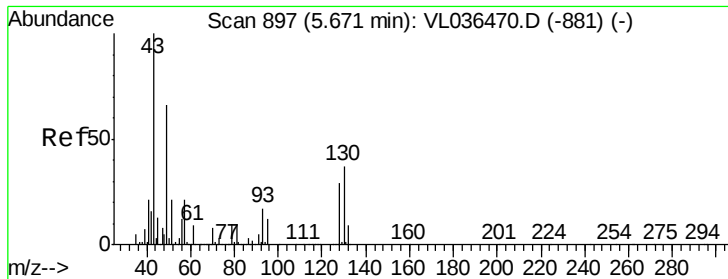
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032521AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Mar 25 09:42:40 2021
QLast Update : Thu Mar 25 09:42:40 2021
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 889

Delta R.T. -0.03 min

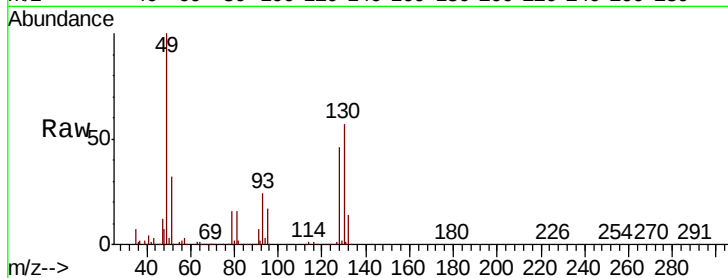
Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

Instrument :
MSVOA_L
ClientSampled :

Tot Ion: 49 Resp: 1210819

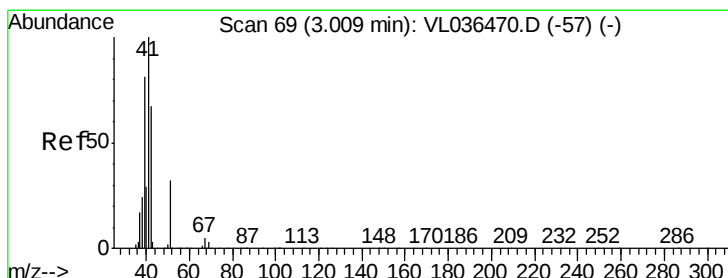
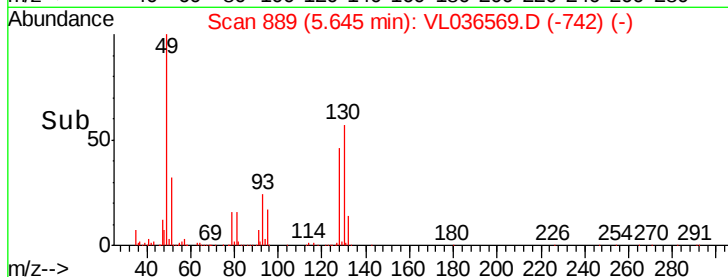
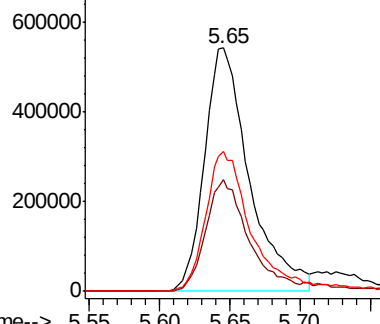
Ion	Ratio	Lower	Upper
49	100		
128	47.5	23.5	70.6
130	60.7	29.1	87.4



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



#9

Propene

Concen: 0.226 ppbv

RT: 3.00 min Scan# 65

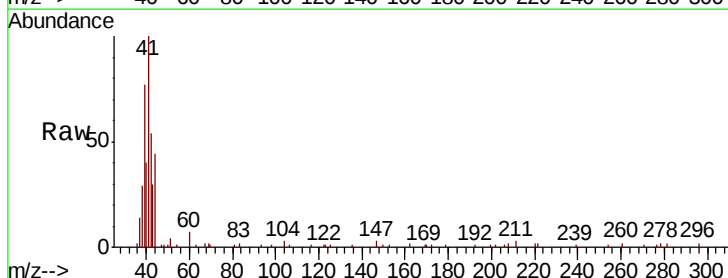
Delta R.T. -0.01 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

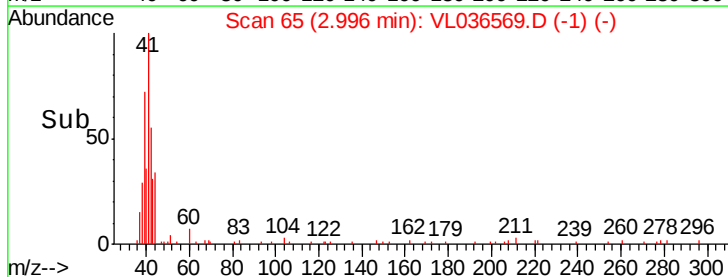
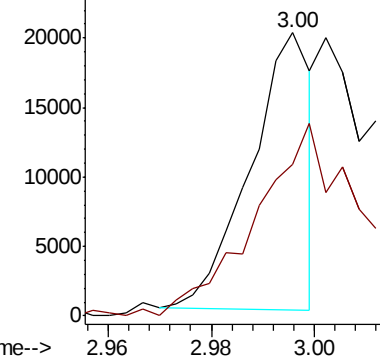
Tgt Ion: 41 Resp: 16297

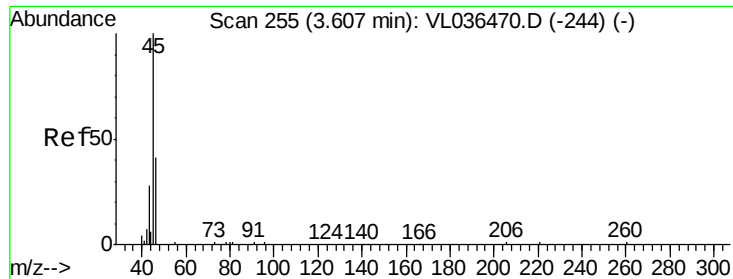
Ion	Ratio	Lower	Upper
41	100		
42	0.0	57.0	85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 19.877 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

Instrument :

MSVOA_L

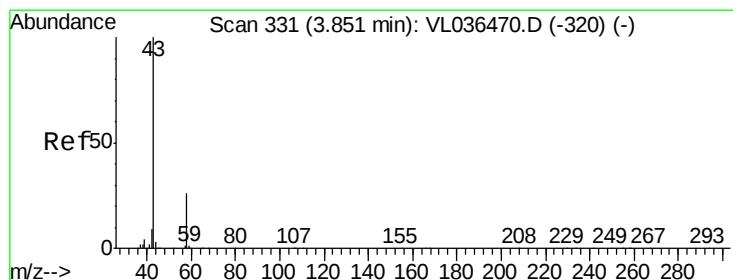
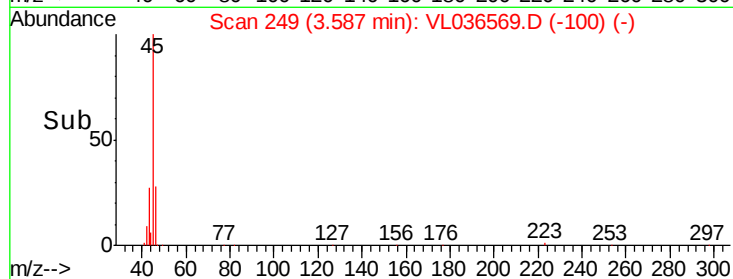
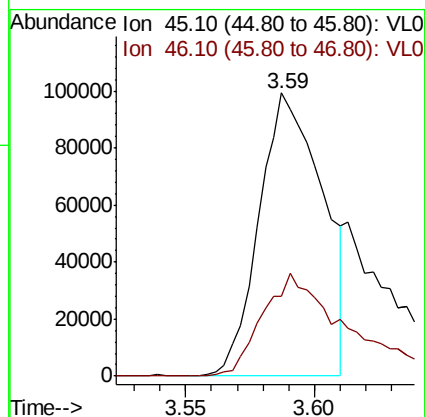
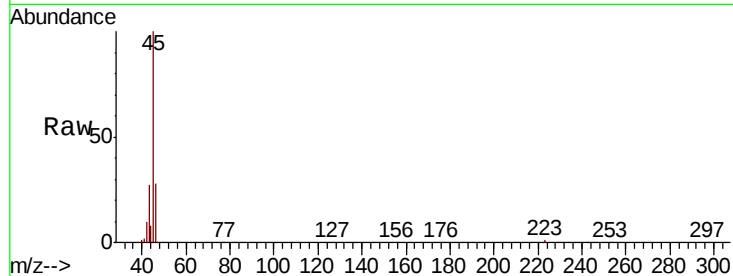
ClientSampleId :

Tot Ion: 45 Resp: 170711

Ion Ratio Lower Upper

45 100

46 55.6 16.6 66.2



#15

Acetone

Concen: 3.665 ppbv

RT: 3.84 min Scan# 327

Delta R.T. -0.01 min

Lab File: VL036569.D

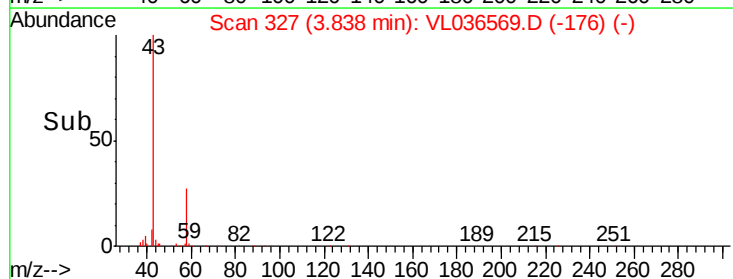
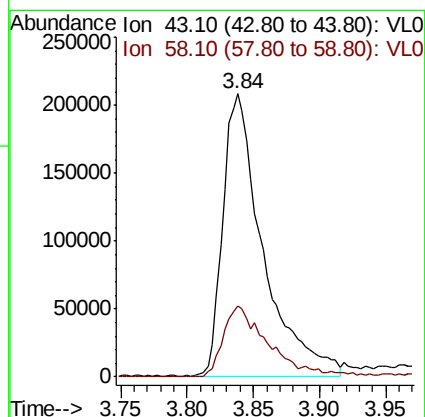
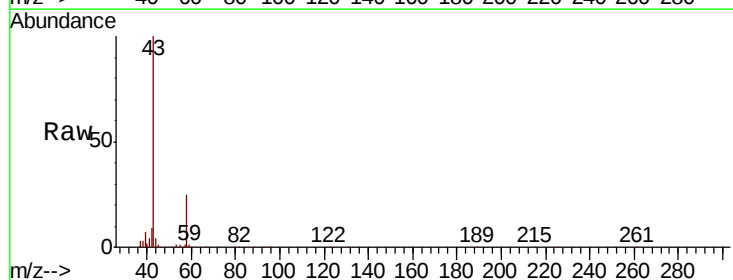
Acq: 30 Mar 2021 14:21

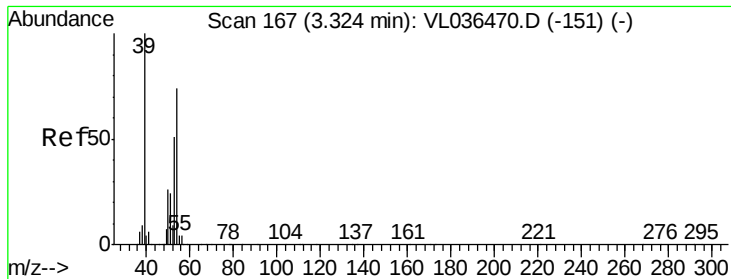
Tgt Ion: 43 Resp: 436787

Ion Ratio Lower Upper

43 100

58 29.8 21.2 31.8





#16

1,3-Butadiene

Concen: 0.038 ppbv

RT: 3.31 min Scan# 163

Delta R.T. -0.01 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

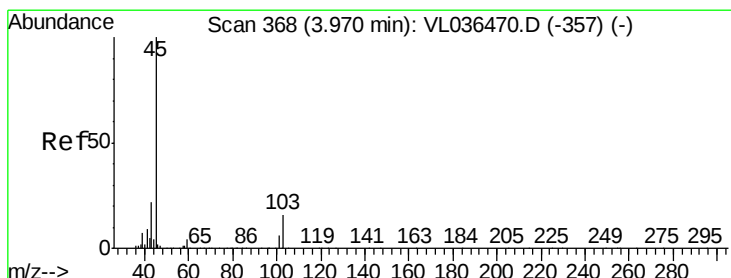
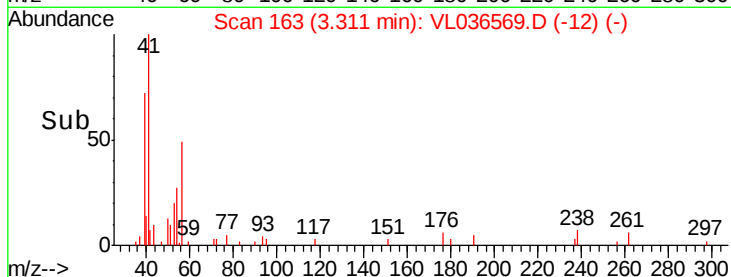
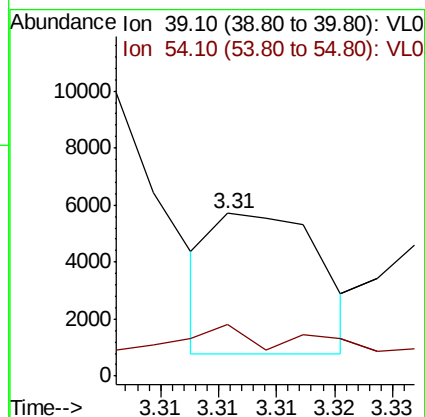
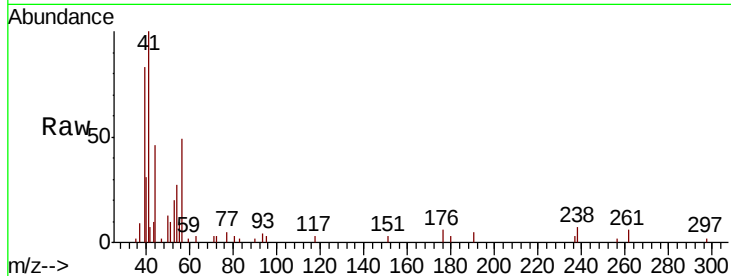
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 39 Resp: 3148

Ion Ratio Lower Upper

39 100

54 105.7 58.8 88.2#



#19

Isopropyl Alcohol

Concen: 0.374 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036569.D

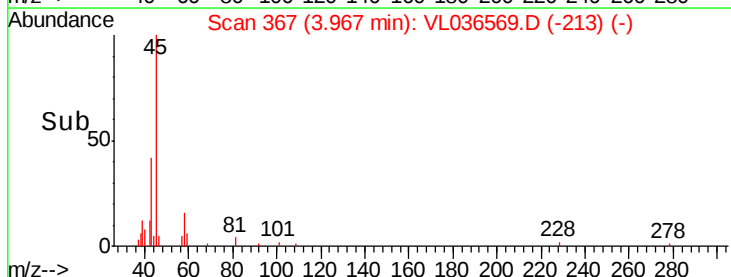
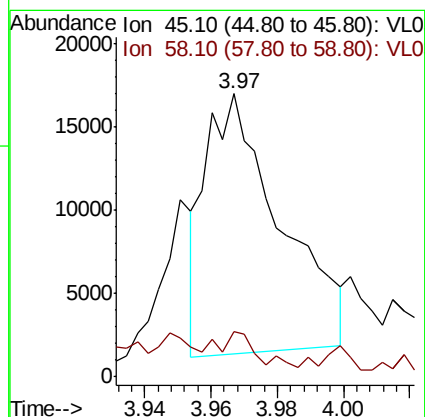
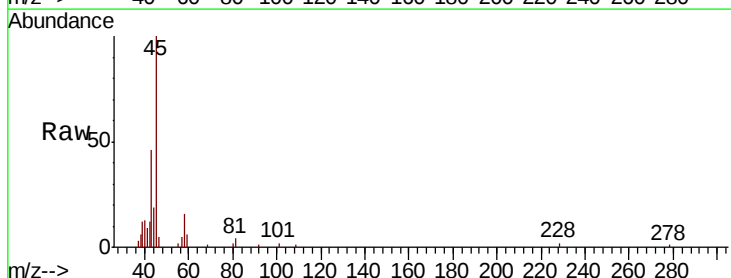
Acq: 30 Mar 2021 14:21

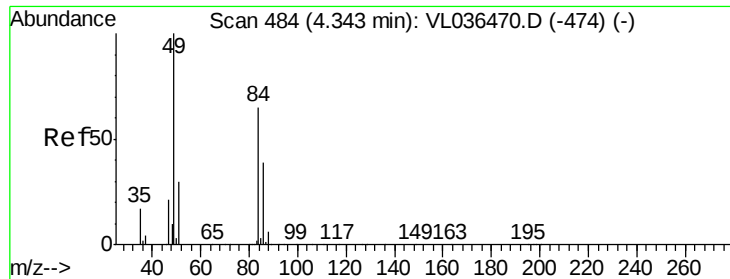
Tgt Ion: 45 Resp: 24503

Ion Ratio Lower Upper

45 100

58 0.0 2.9 4.3#

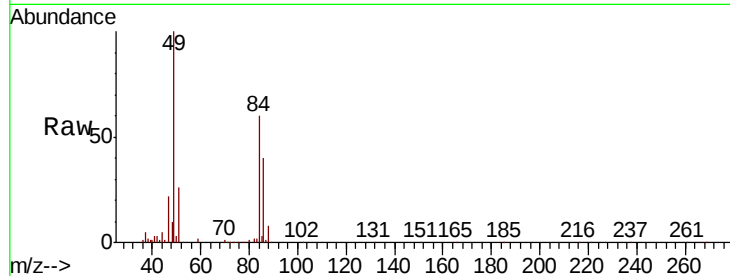




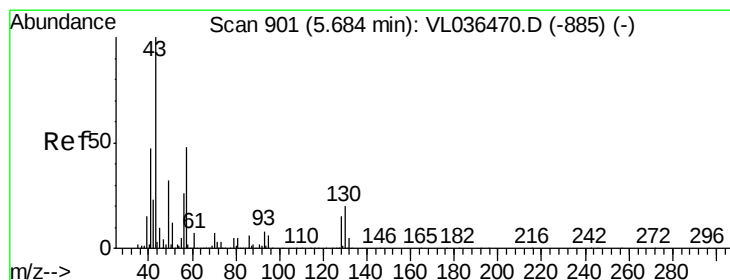
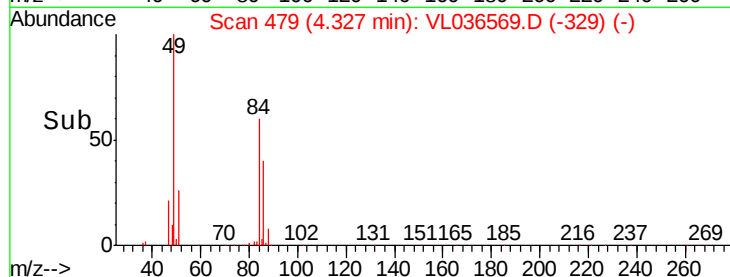
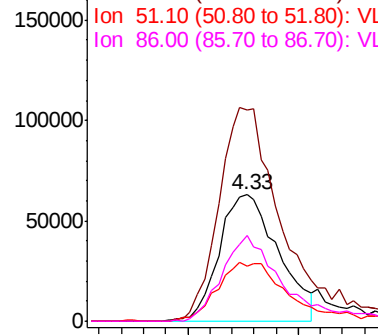
#20
Methvlene Chloride
Concen: 2.109 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

Instrument :
MSVOA_L
ClientSampled :

Tot Ion:	84	Resp:	117674
Ion	Ratio	Lower	Upper
84	100		
49	167.1	122.9	184.3
51	43.8	36.9	55.3
86	67.4	48.2	72.4

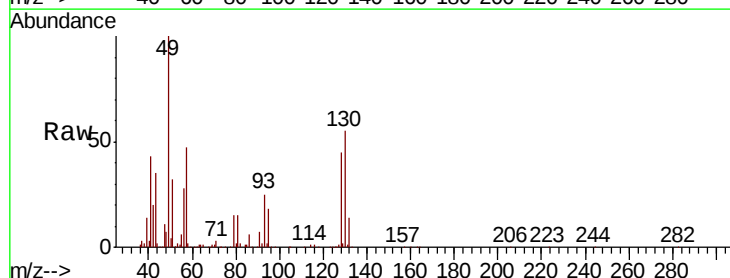


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

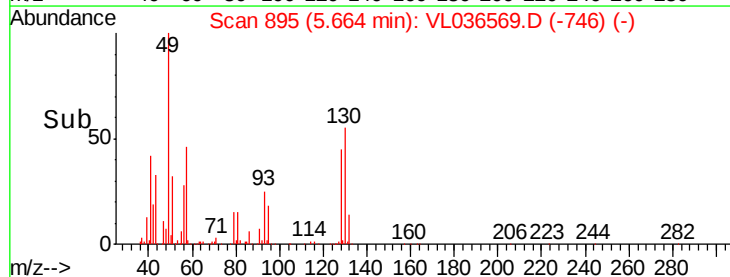
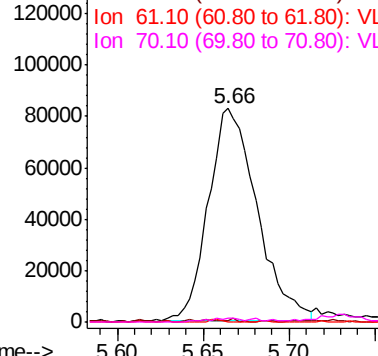


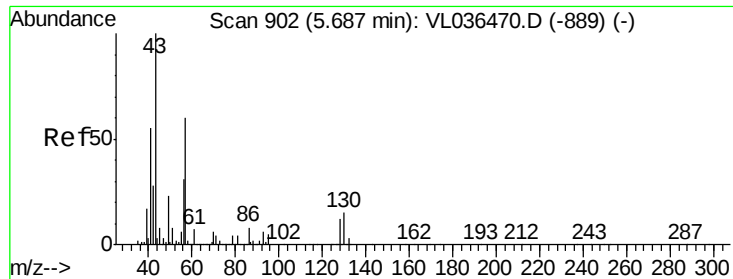
#25
Ethyl Acetate
Concen: 0.574 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

Tgt Ion:	43	Resp:	162667
Ion	Ratio	Lower	Upper
43	100		
45	0.9	7.9	11.9#
61	0.4	7.4	11.2#
70	1.9	5.1	7.7#



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

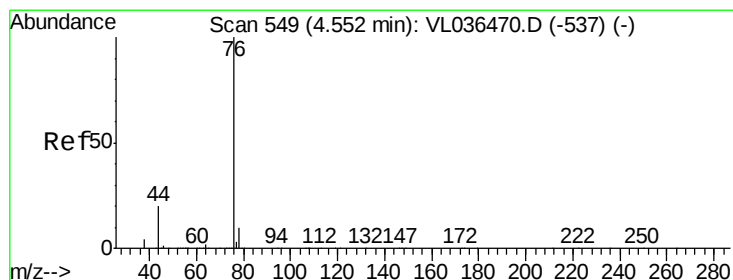
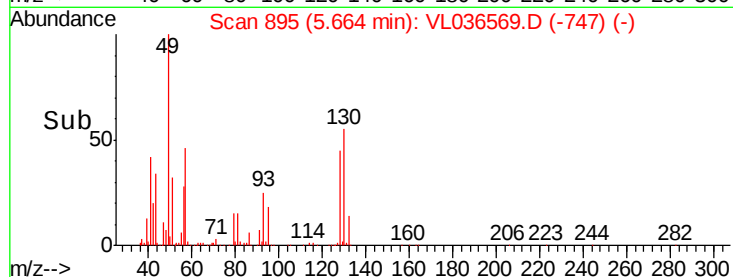
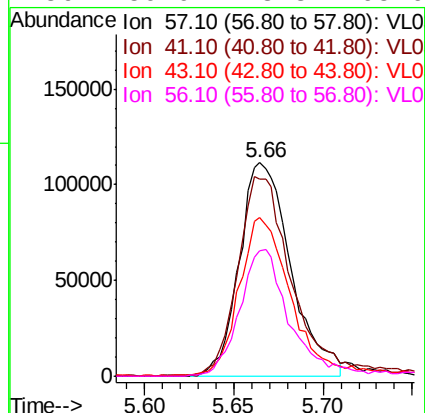
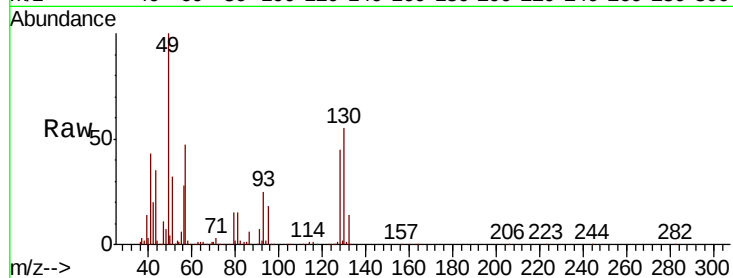




#26
Hexane
Concen: 1.715 ppbv
RT: 5.66 min Scan# 895
Delta R.T. -0.02 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

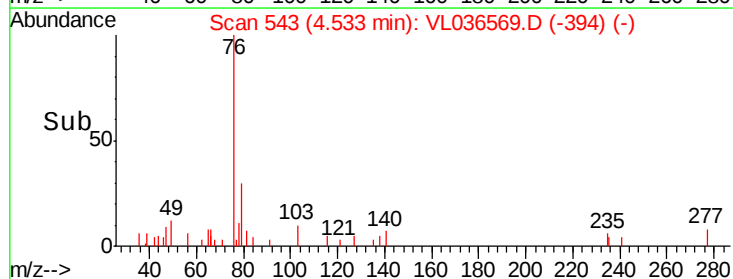
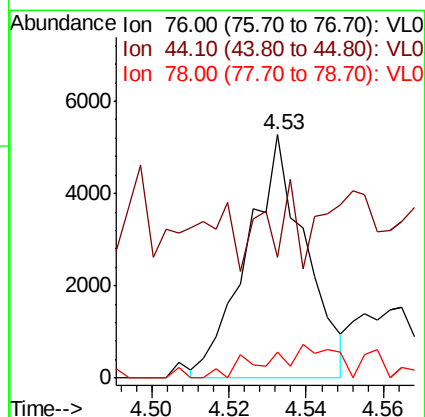
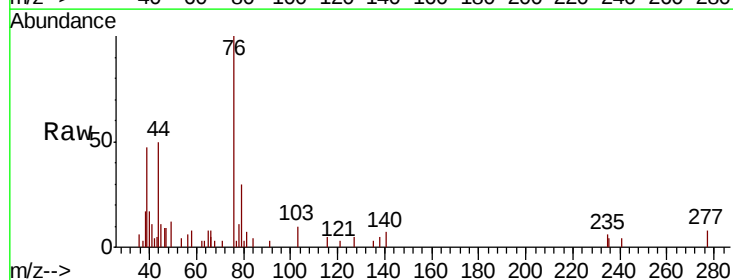
Instrument :
MSVOA_L
ClientSampleId :

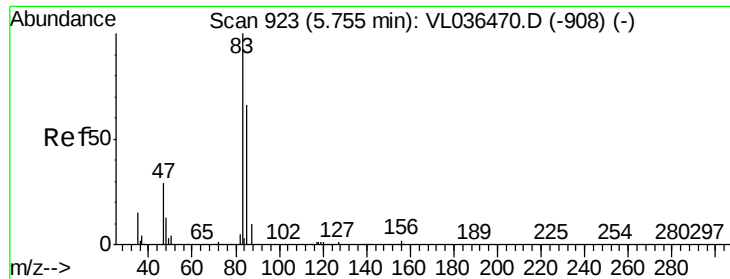
Tot Ion:	57	Resp:	225537
Ion	Ratio	Lower	Upper
57	100		
41	101.9	77.2	115.8
43	77.3	173.8	260.6#
56	59.9	43.8	65.6



#27
Carbon Disulfide
Concen: 0.043 ppbv
RT: 4.53 min Scan# 543
Delta R.T. -0.02 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

Tgt Ion:	76	Resp:	5546
Ion	Ratio	Lower	Upper
76	100		
44	71.2	17.5	26.3#
78	26.7	8.6	13.0#

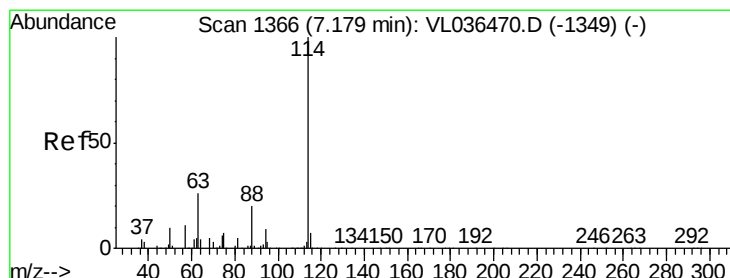
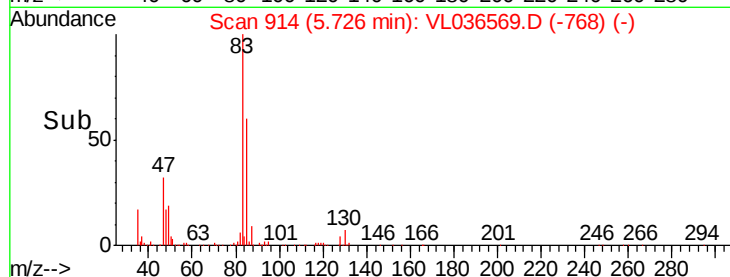
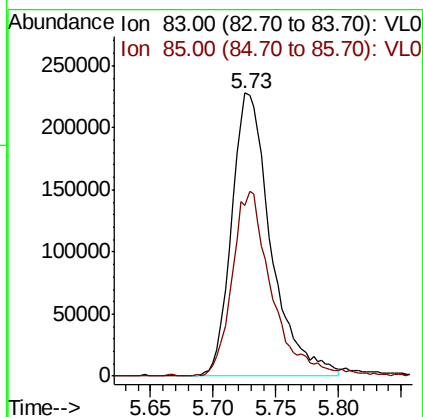
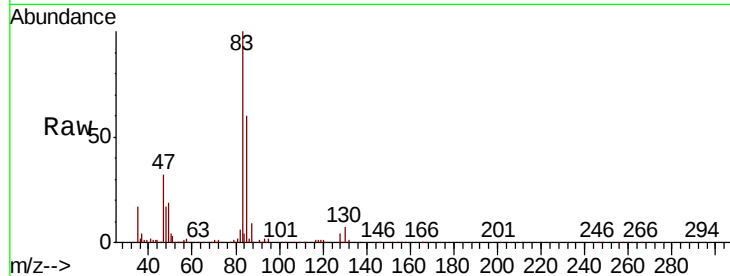




#29
Chloroform
Concen: 2.359 ppbv
RT: 5.73 min Scan# 914
Delta R.T. -0.03 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

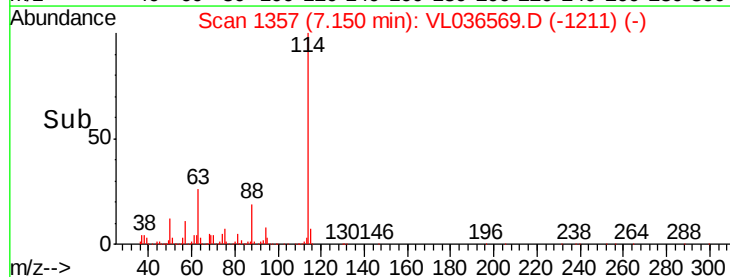
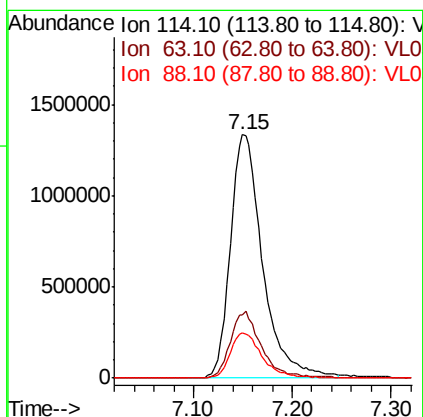
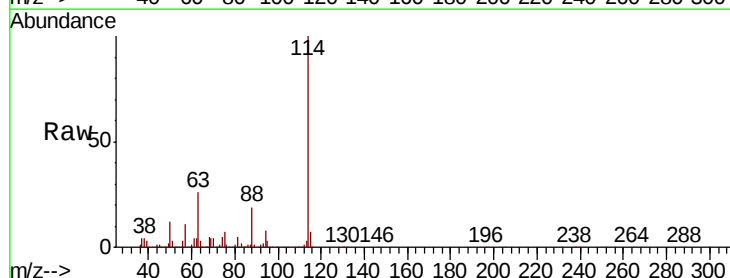
Instrument :
MSVOA_L
ClientSampled :

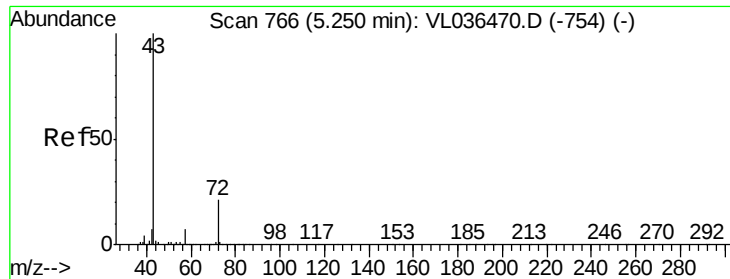
Tot Ion: 83 Resp: 496000
Ion Ratio Lower Upper
83 100
85 60.0 52.6 78.8



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.15 min Scan# 1357
Delta R.T. -0.03 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

Tgt Ion: 114 Resp: 3034924
Ion Ratio Lower Upper
114 100
63 26.9 22.4 33.6
88 18.7 15.4 23.0

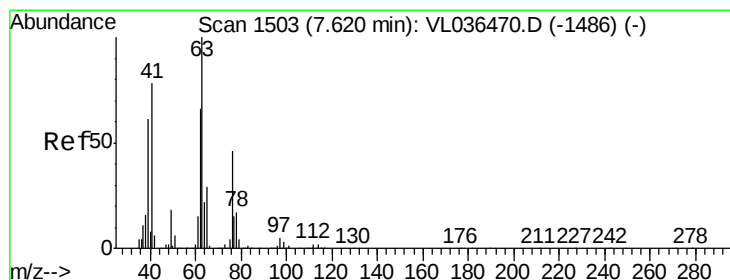
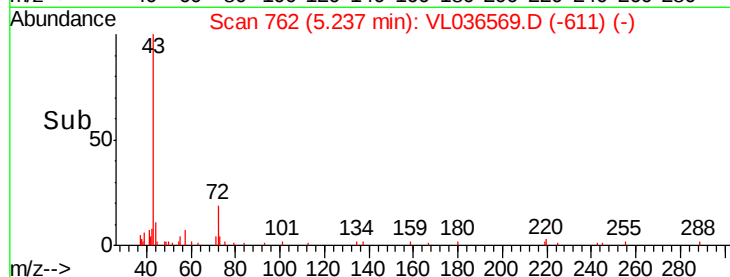
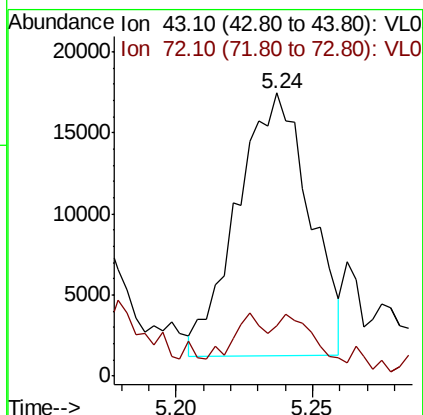
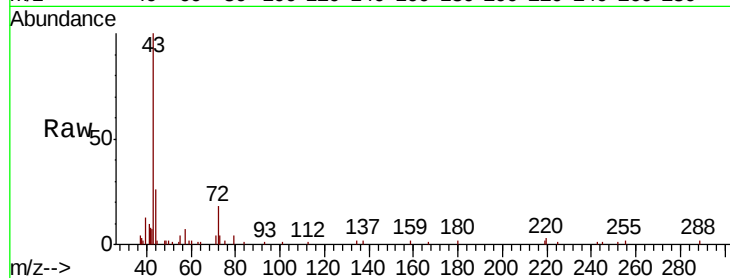




#34
2-Butanone
Concen: 0.201 ppbv
RT: 5.24 min Scan# 762
Delta R.T. -0.01 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

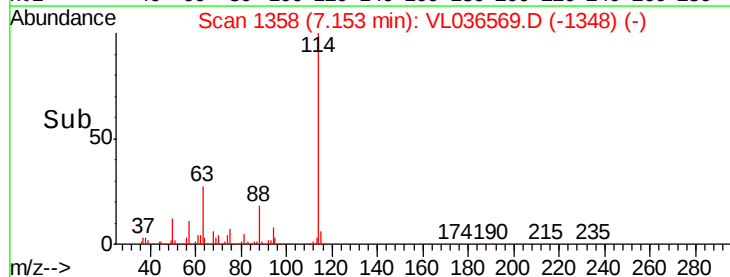
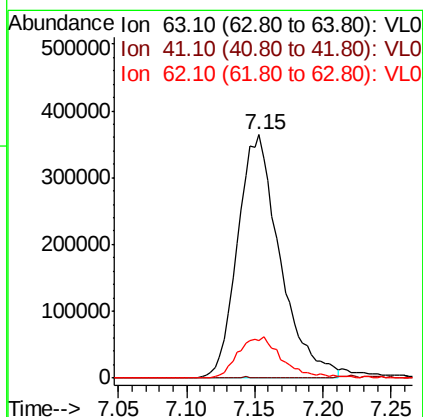
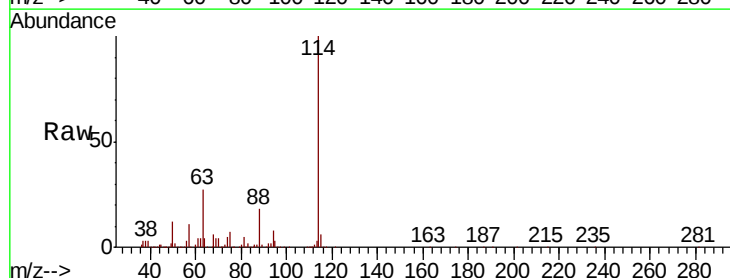
Instrument :
MSVOA_L
ClientSampleId :

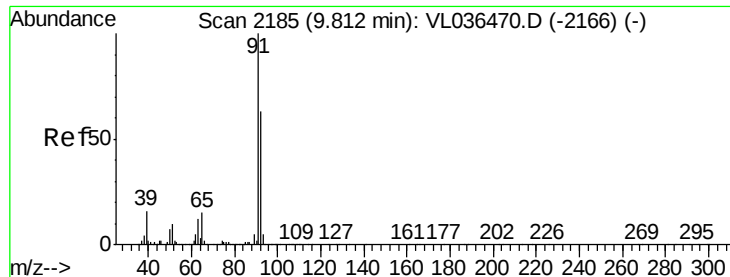
Tot Ion: 43 Resp: 29800
Ion Ratio Lower Upper
43 100
72 30.3 17.0 25.6#



#39
1,2-Dichloropropane
Concen: 6.919 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.47 min
Lab File: VL036569.D
Acq: 30 Mar 2021 14:21

Tgt Ion: 63 Resp: 785577
Ion Ratio Lower Upper
63 100
41 0.1 62.4 93.6#
62 15.6 52.8 79.2#





#53

Toluene

Concen: 0.103 ppbv

RT: 9.78 min Scan# 2175

Delta R.T. -0.03 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

Instrument :

MSVOA_L

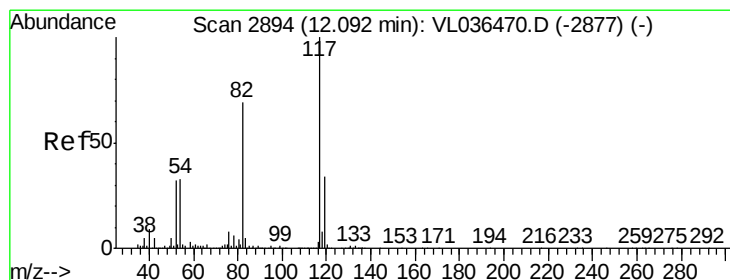
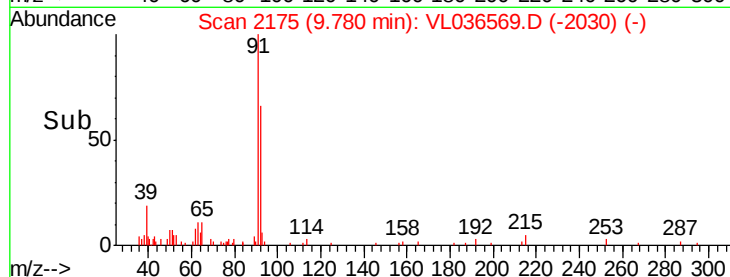
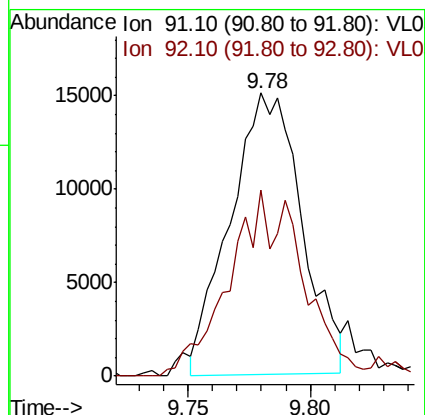
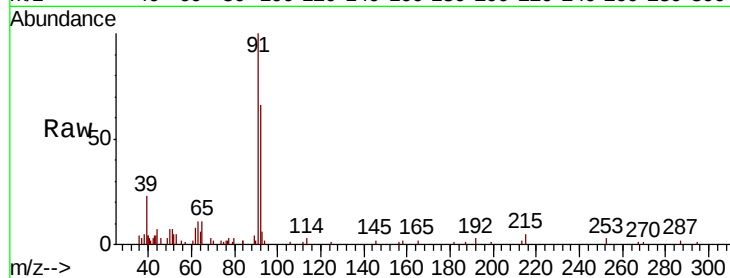
ClientSampleId :

Tot Ion: 91 Resp: 30820

Ion Ratio Lower Upper

91 100

92 69.4 48.8 73.2



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.06 min Scan# 2884

Delta R.T. -0.03 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

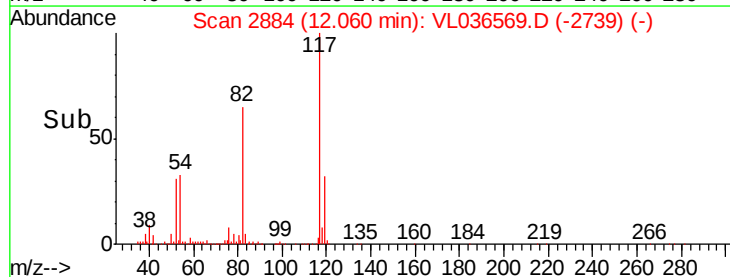
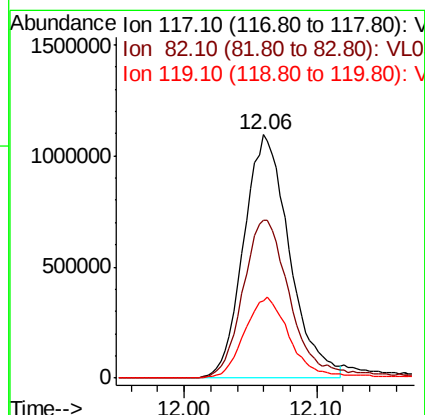
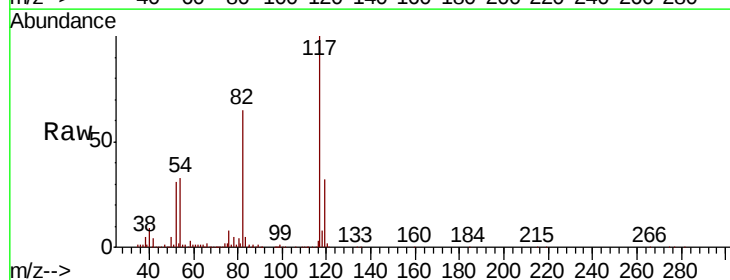
Tgt Ion: 117 Resp: 2629923

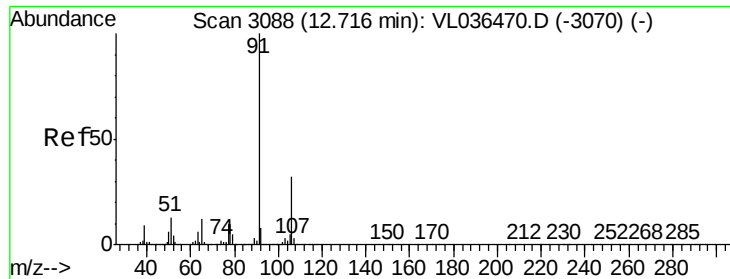
Ion Ratio Lower Upper

117 100

82 69.6 57.4 86.0

119 34.1 47.4 71.0#





#58

Ethyl Benzene

Concen: 0.491 ppbv

RT: 12.69 min Scan# 3080

Delta R.T. -0.03 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

Instrument :

MSVOA_L

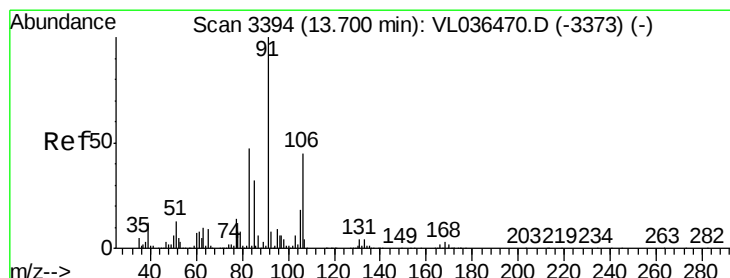
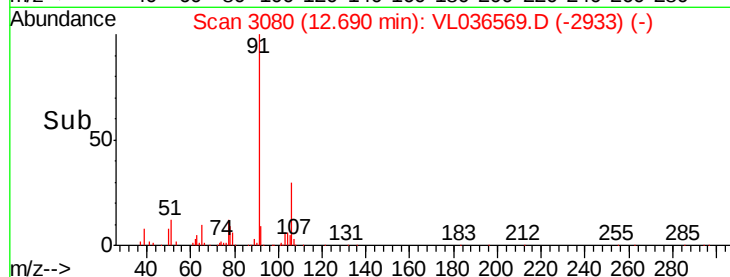
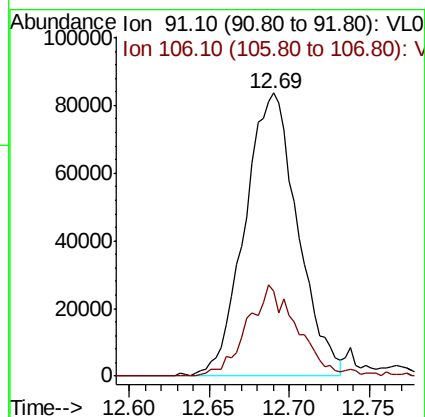
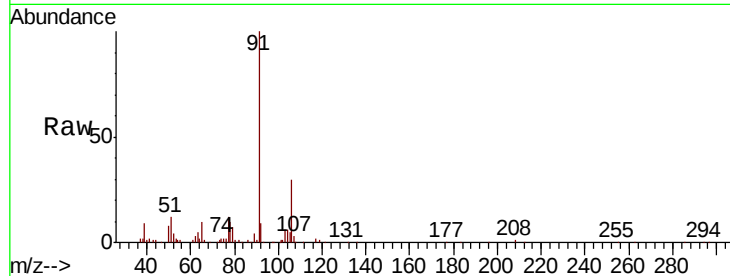
ClientSampleId :

Tot Ion: 91 Resp: 187911

Ion Ratio Lower Upper

91 100

106 29.9 25.3 37.9



#60

o-Xylene

Concen: 0.348 ppbv

RT: 13.67 min Scan# 3384

Delta R.T. -0.03 min

Lab File: VL036569.D

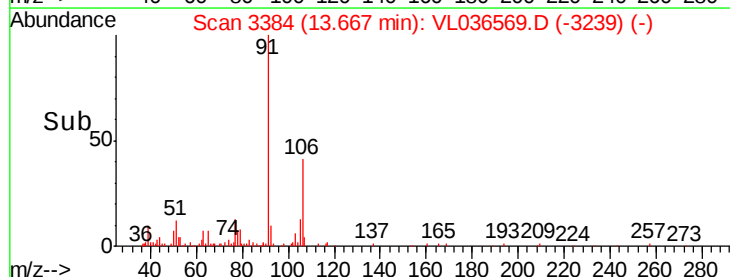
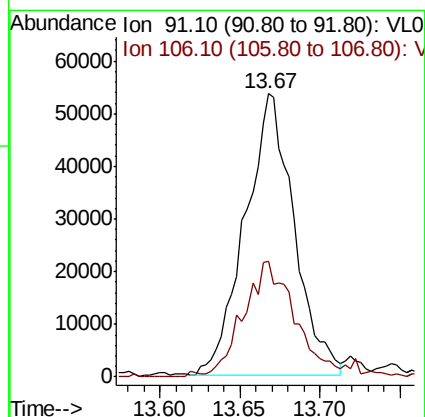
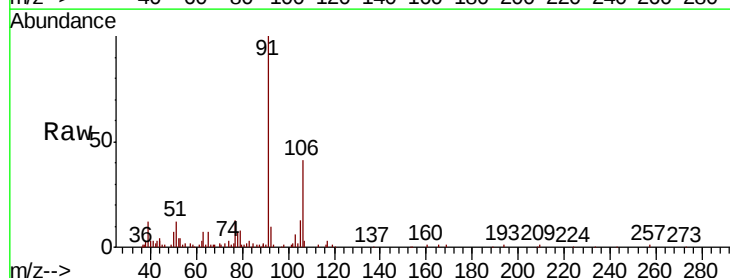
Acq: 30 Mar 2021 14:21

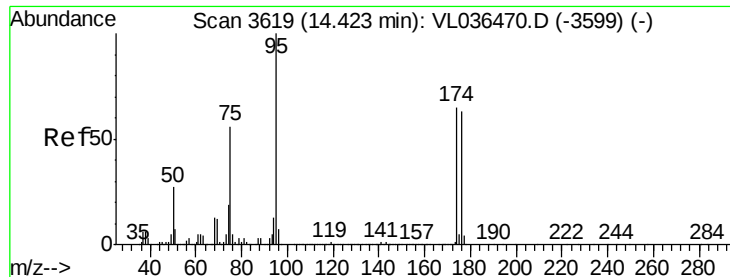
Tgt Ion: 91 Resp: 112202

Ion Ratio Lower Upper

91 100

106 45.9 22.3 66.9





#68

1-Bromo-4-Fluorobenzene

Concen: 10.126 ppbv

RT: 14.39 min Scan# 3609

Delta R.T. -0.03 min

Lab File: VL036569.D

Acq: 30 Mar 2021 14:21

Instrument :

MSVOA_L

ClientSampleId :

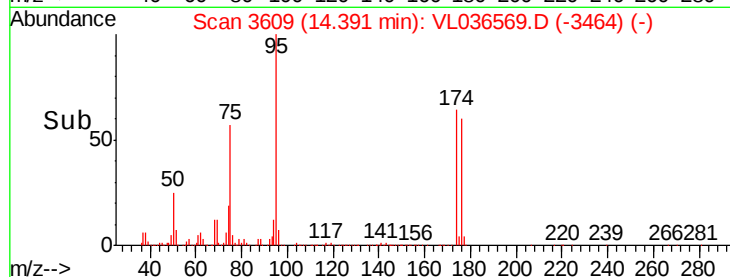
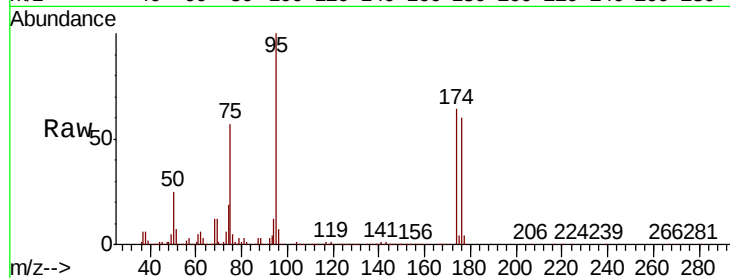
Tot Ion: 95 Resp: 2122430

Ion Ratio Lower Upper

95 100

174 66.6 51.0 76.6

175 4.9 3.9 5.9



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

