

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL110520\
 Data File : VL035879.D
 Acq On : 6 Nov 2020 3:45
 Operator : SY/AP
 Sample : L4618-04 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-1DL

Quant Time: Nov 06 05:51:43 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	5.65	49	1096783	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.15	114	4053808	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.06	117	3751894	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.39	95	2728052	10.23	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.30%

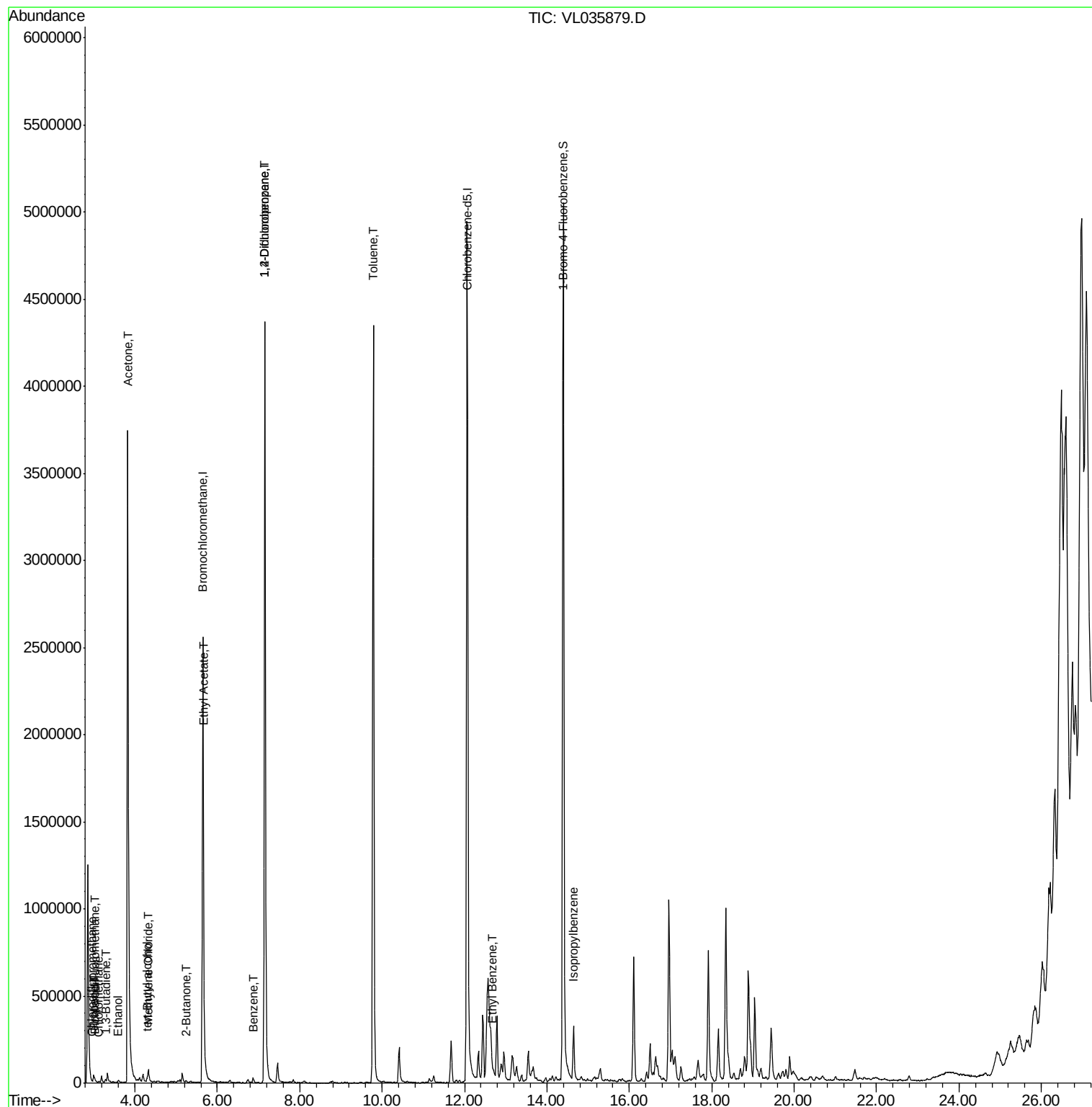
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	6615	0.032	ppbv	95
3) Chlorodifluoromethane	2.96	51	6617	0.050	ppbv #	89
4) Chloromethane	3.12	50	4712	0.074	ppbv	97
9) Propene	2.99	41	8004	0.166	ppbv #	1
13) Ethanol	3.59	45	6457	0.619	ppbv #	35
15) Acetone	3.83	43	5052838	43.092	ppbv	98
16) 1,3-Butadiene	3.29	39	2792	0.055	ppbv	81
17) tert-Butyl alcohol	4.30	59	19996	0.129	ppbv #	86
20) Methylene Chloride	4.33	84	27878	0.338	ppbv #	96
25) Ethyl Acetate	5.67	43	8511	0.037	ppbv #	84
34) 2-Butanone	5.23	43	4058	0.031	ppbv #	42
36) Benzene	6.87	78	29241	0.097	ppbv #	88
39) 1,2-Dichloropropane	7.15	63	809948	7.983	ppbv #	30
53) Toluene	9.78	91	4070124	11.193	ppbv	100
58) Ethyl Benzene	12.69	91	26816	0.059	ppbv	96
62) Isopropylbenzene	14.65	105	275465	0.466	ppbv	95

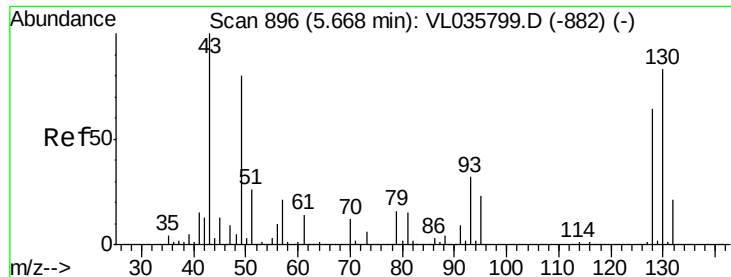
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL110520\
Data File : VL035879.D
Acq On : 6 Nov 2020 3:45
Operator : SY/AP
Sample : L4618-04 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SSSG-1DL

Quant Time: Nov 06 05:51:43 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: 5.65 min Scan# 889

Delta R.T. -0.02 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

SSSG-1DL

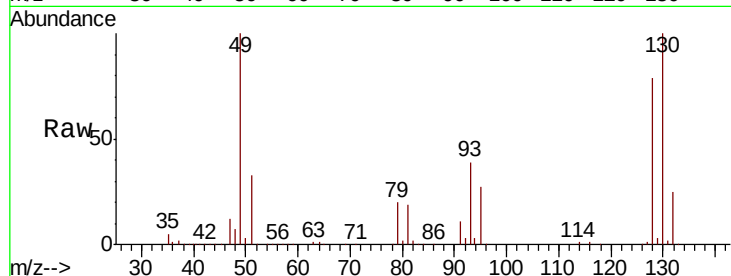
Tot Ion: 49 Resp: 1096783

Ion Ratio Lower Upper

49 100

128 79.1 41.5 124.6

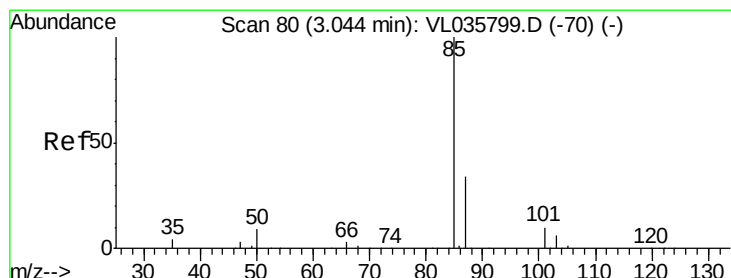
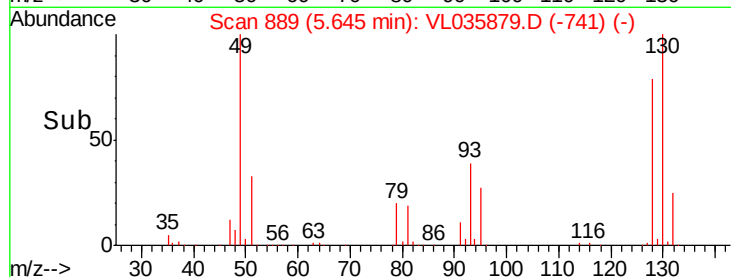
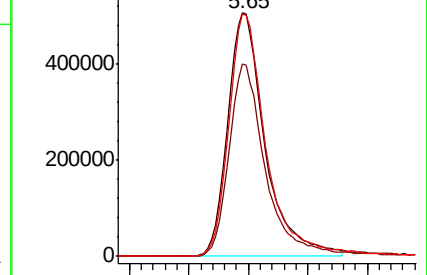
130 101.9 53.7 161.1



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



#2

Dichlorodifluoromethane

Concen: 0.032 ppbv

RT: 3.03 min Scan# 76

Delta R.T. -0.01 min

Lab File: VL035879.D

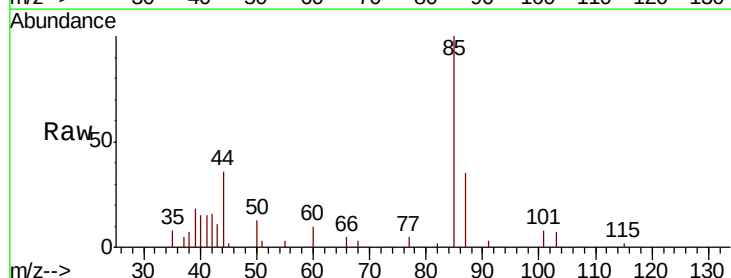
Acq: 6 Nov 2020 3:45

Tgt Ion: 85 Resp: 6615

Ion Ratio Lower Upper

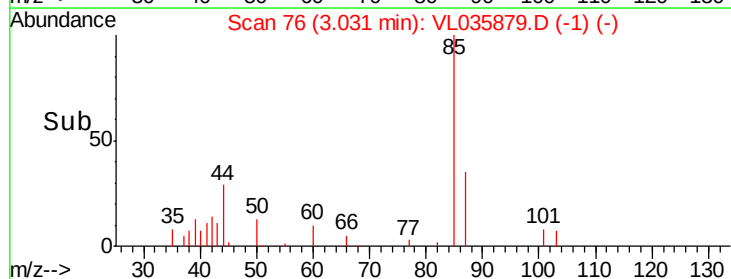
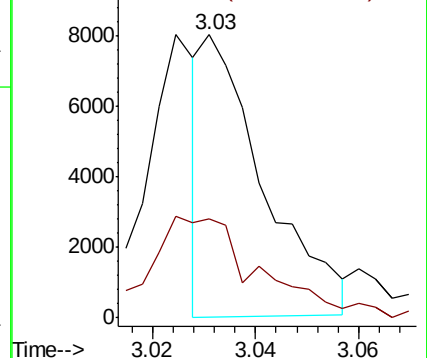
85 100

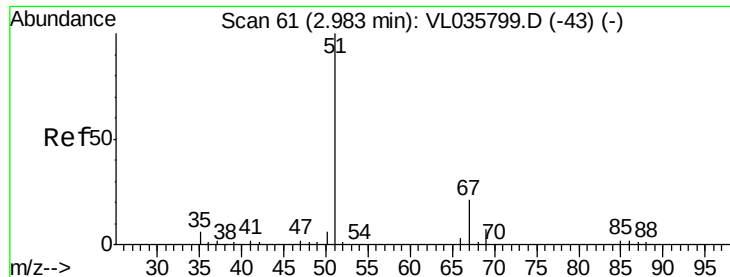
87 36.8 27.1 40.7



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.050 ppbv

RT: 2.96 min Scan# 55

Delta R.T. -0.02 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

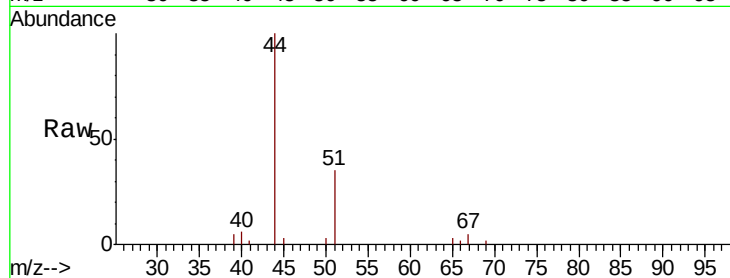
SSSG-1DL

Tot Ion: 51 Resp: 6617

Ion Ratio Lower Upper

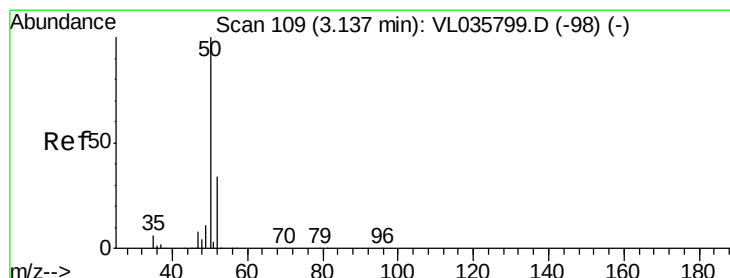
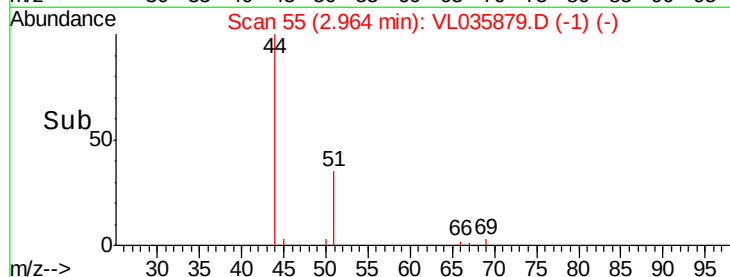
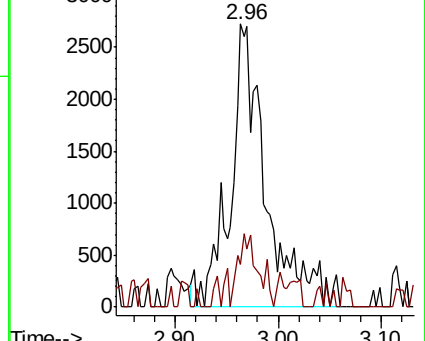
51 100

67 16.2 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: 0.074 ppbv

RT: 3.12 min Scan# 105

Delta R.T. -0.01 min

Lab File: VL035879.D

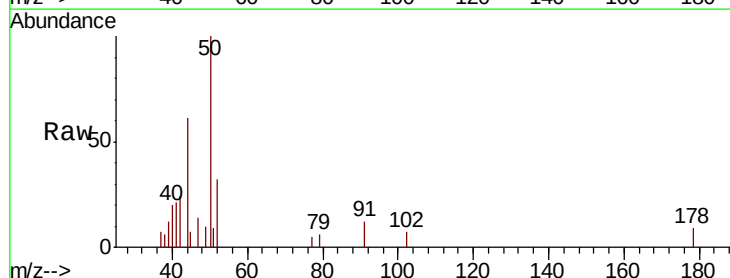
Acq: 6 Nov 2020 3:45

Tgt Ion: 50 Resp: 4712

Ion Ratio Lower Upper

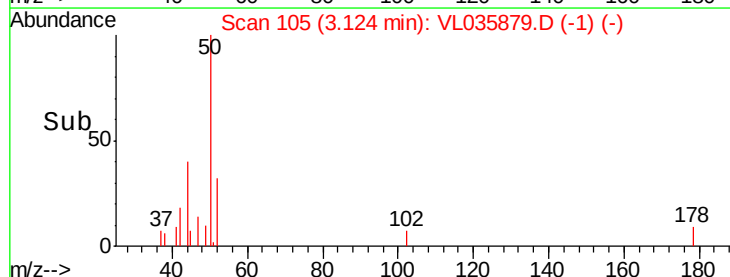
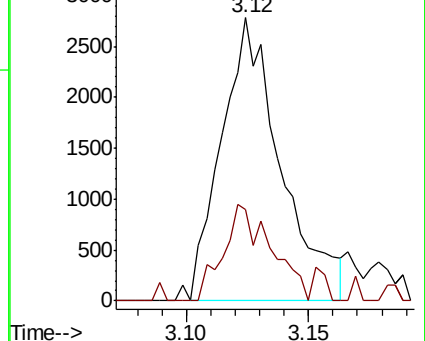
50 100

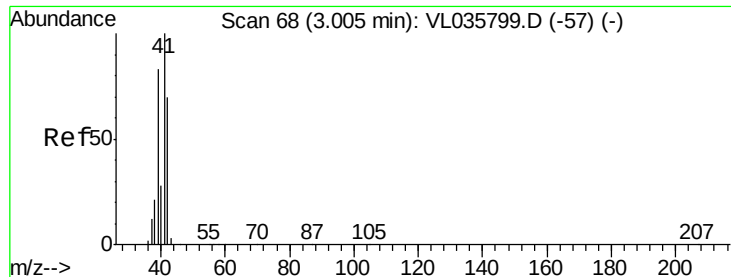
52 32.2 27.1 40.7



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.166 ppbv

RT: 2.99 min Scan# 64

Delta R.T. -0.01 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

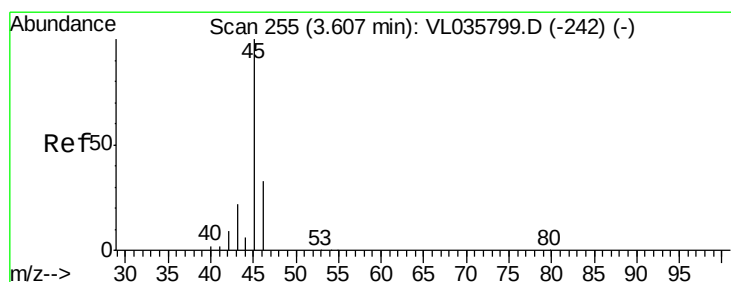
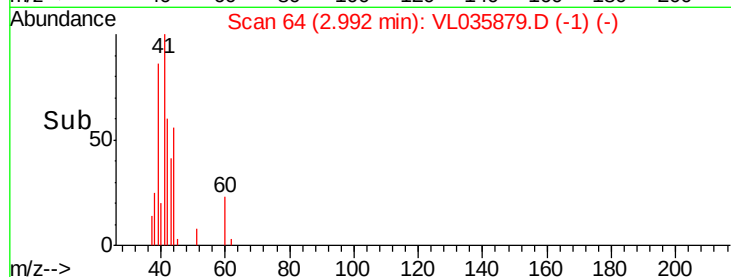
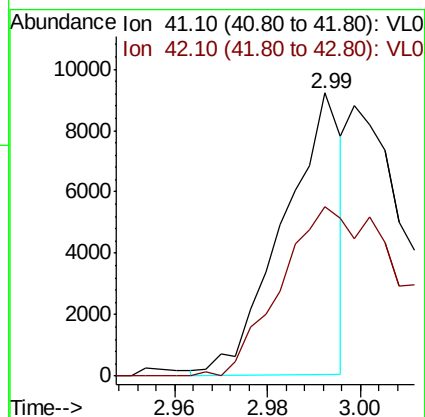
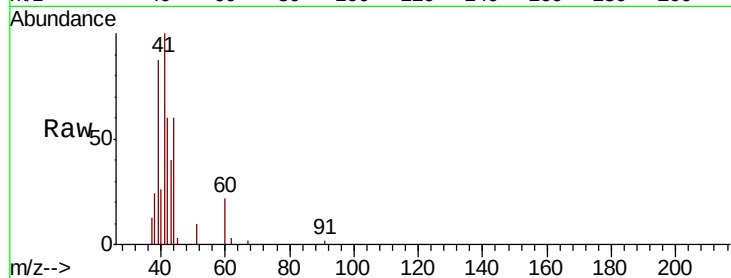
SSSG-1DL

Tot Ion: 41 Resp: 8004

Ion Ratio Lower Upper

41 100

42 151.9 56.2 84.4#



#13

Ethanol

Concen: 0.619 ppbv

RT: 3.59 min Scan# 249

Delta R.T. -0.02 min

Lab File: VL035879.D

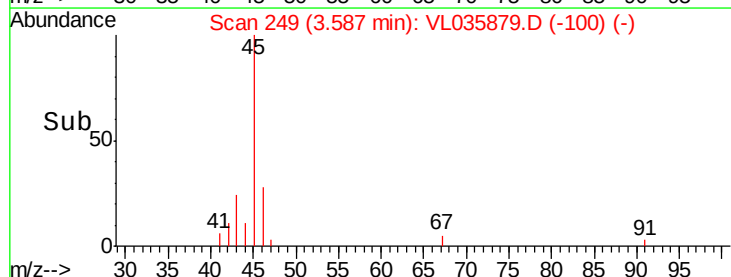
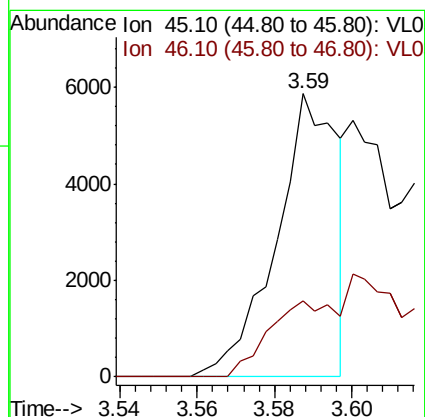
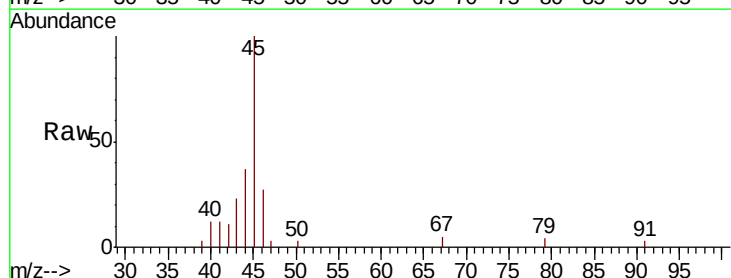
Acq: 6 Nov 2020 3:45

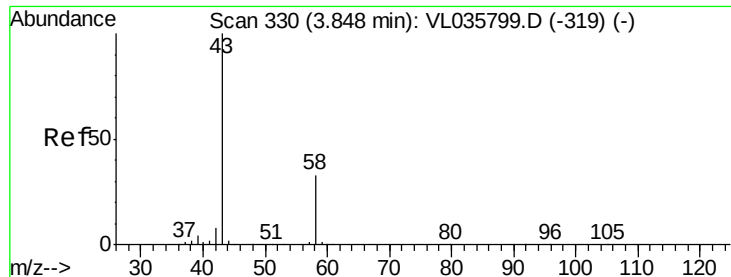
Tgt Ion: 45 Resp: 6457

Ion Ratio Lower Upper

45 100

46 0.0 16.1 64.5#





#15

Acetone

Concen: 43.092 ppbv

RT: 3.83 min Scan# 323

Delta R.T. -0.02 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

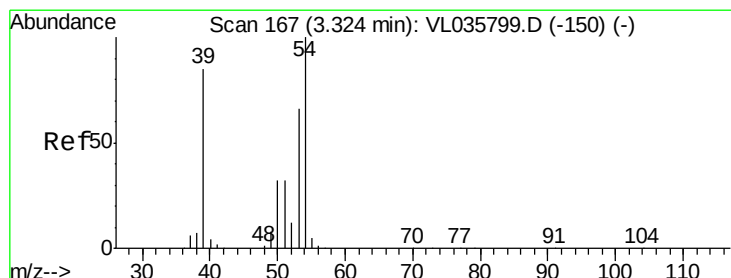
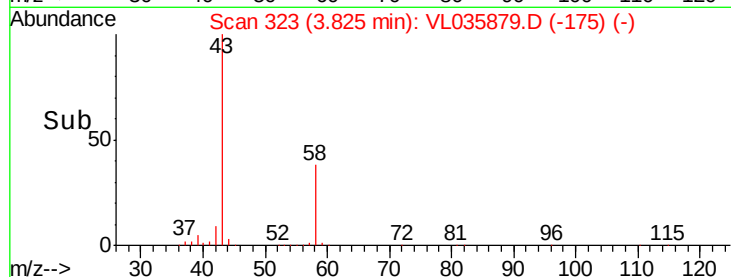
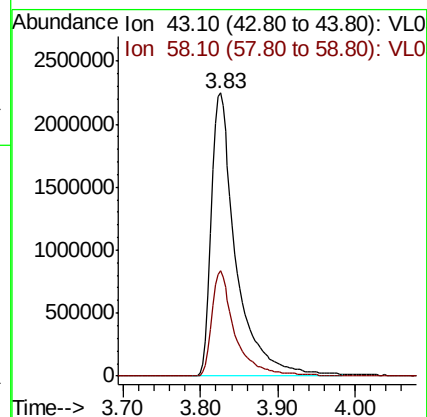
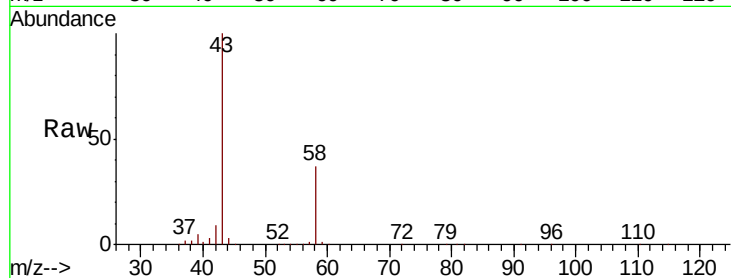
SSSG-1DL

Tot Ion: 43 Resp: 5052838

Ion Ratio Lower Upper

43 100

58 35.3 27.5 41.3



#16

1,3-Butadiene

Concen: 0.055 ppbv

RT: 3.29 min Scan# 156

Delta R.T. -0.04 min

Lab File: VL035879.D

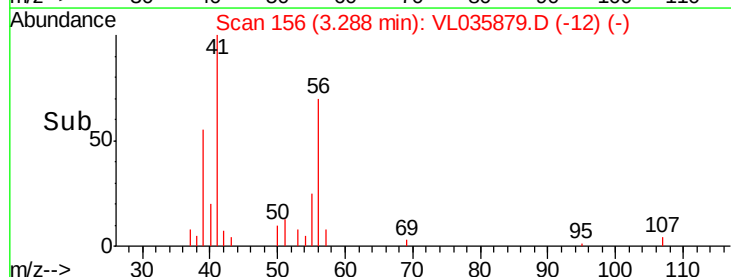
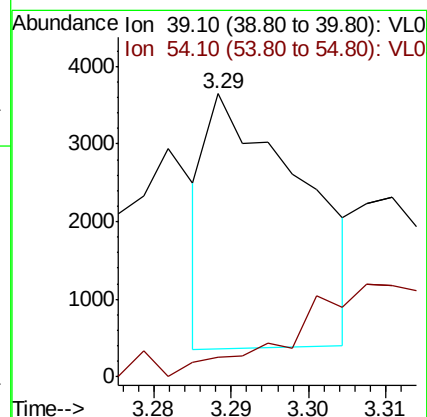
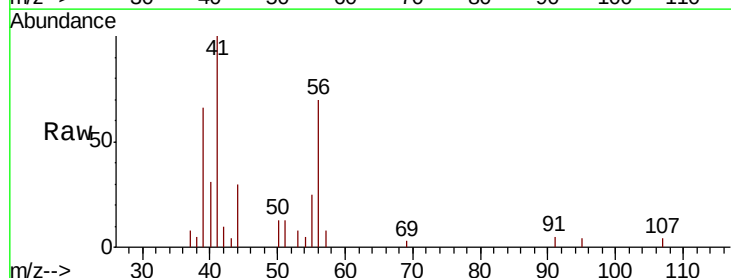
Acq: 6 Nov 2020 3:45

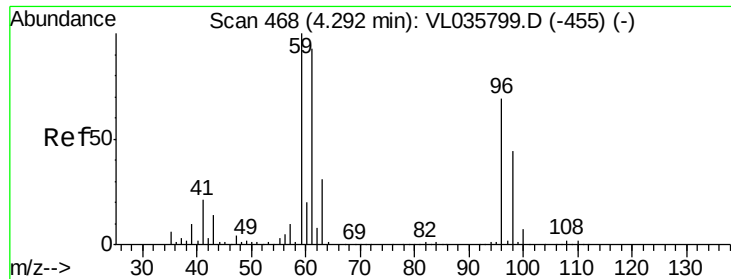
Tgt Ion: 39 Resp: 2792

Ion Ratio Lower Upper

39 100

54 89.1 87.1 130.7





#17

tert-Butyl alcohol

Concen: 0.129 ppbv

RT: 4.30 min Scan# 470

Delta R.T. 0.01 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

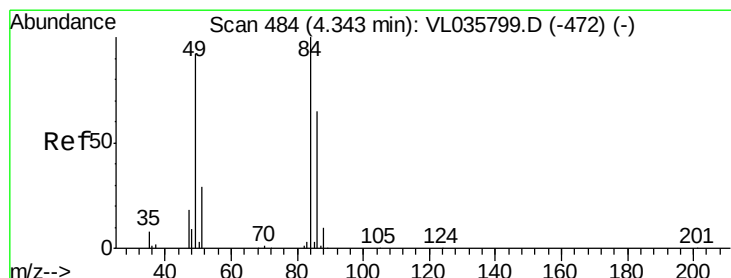
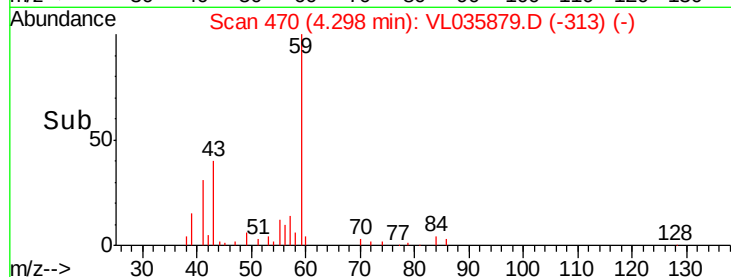
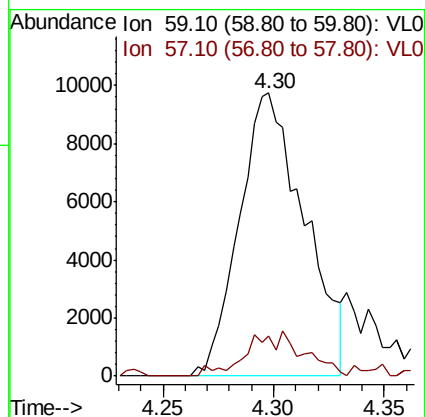
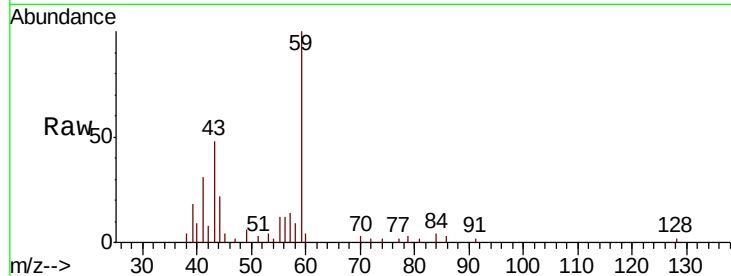
SSSG-1DL

Tot Ion: 59 Resp: 19996

Ion Ratio Lower Upper

59 100

57 15.5 8.2 12.4#



#20

Methylene Chloride

Concen: 0.338 ppbv

RT: 4.33 min Scan# 479

Delta R.T. -0.02 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Tgt Ion: 84 Resp: 27878

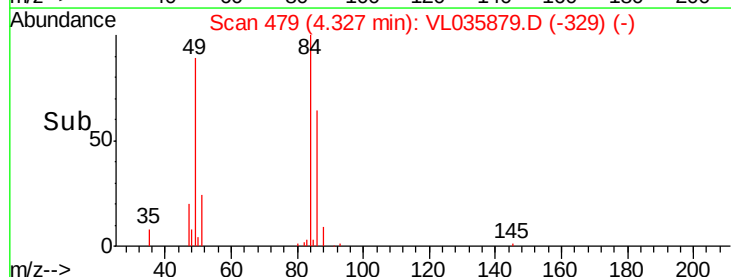
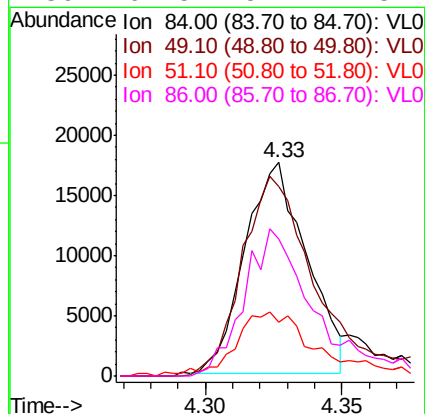
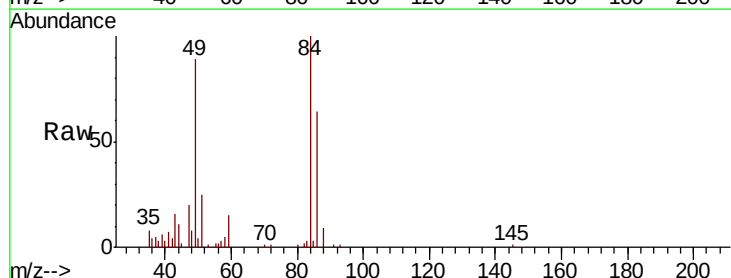
Ion Ratio Lower Upper

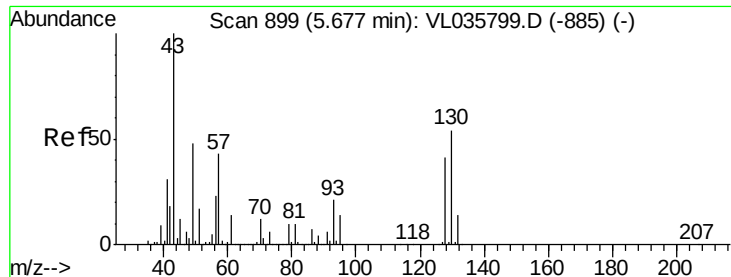
84 100

49 88.5 73.8 110.8

51 21.8 23.0 34.4#

86 64.5 52.1 78.1





#25

Ethyl Acetate

Concen: 0.037 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

SSSG-1DL

Tot Ion: 43 Resp: 8511

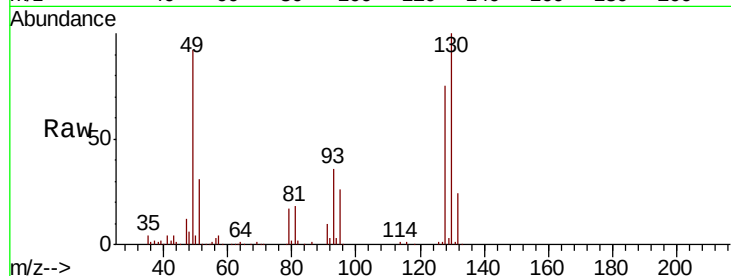
Ion Ratio Lower Upper

43 100

45 13.9 8.5 12.7#

61 2.2 10.7 16.1#

70 7.0 8.6 12.8#

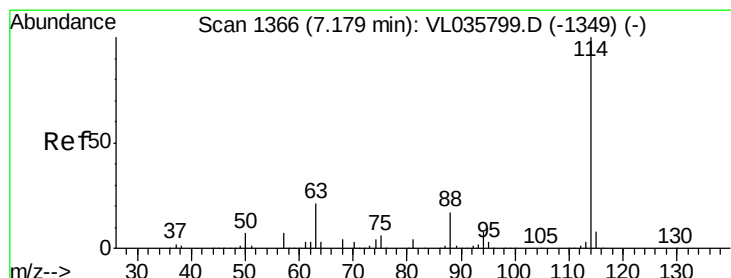
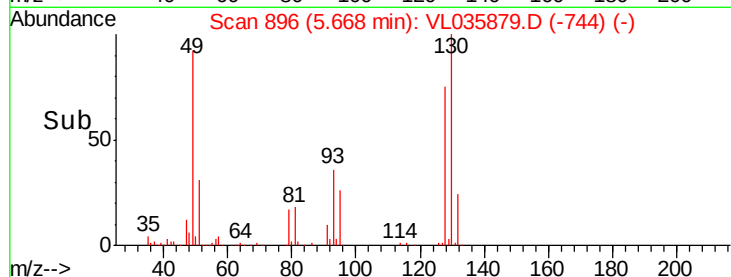
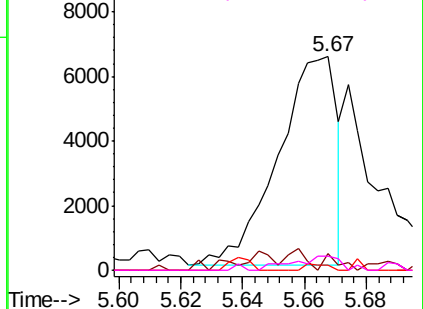


Abundance Ion 43.10 (42.80 to 43.80): VL0

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



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.15 min Scan# 1358

Delta R.T. -0.03 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

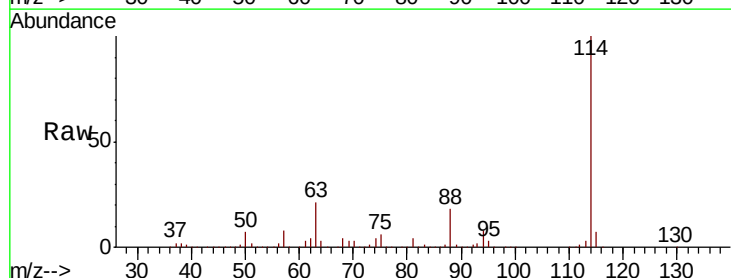
Tgt Ion: 114 Resp: 4053808

Ion Ratio Lower Upper

114 100

63 20.2 16.1 24.1

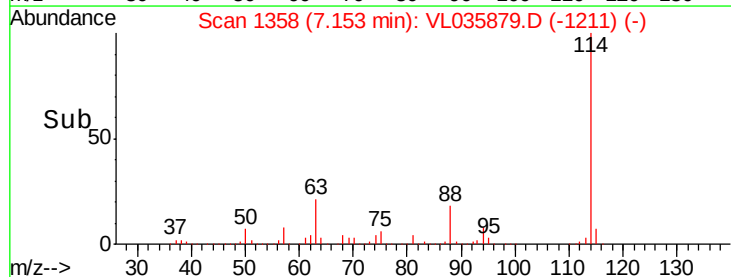
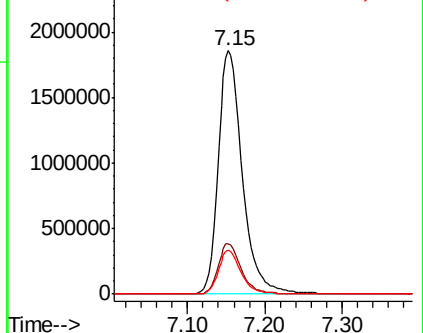
88 17.2 13.7 20.5

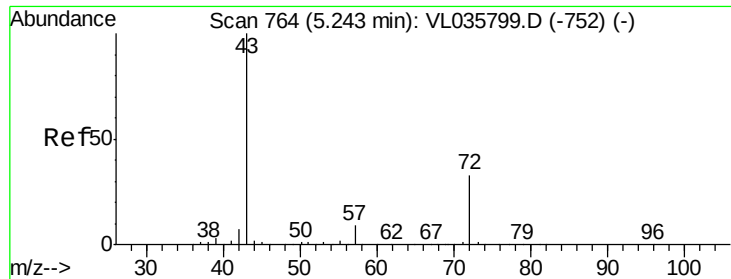


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

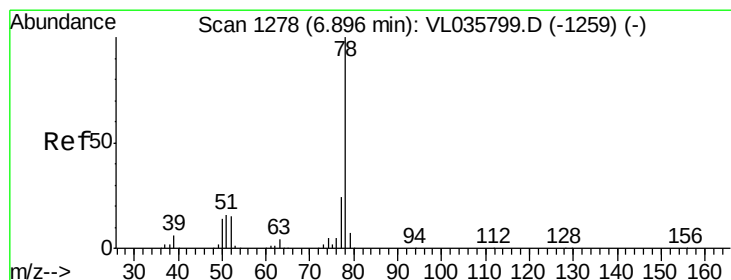
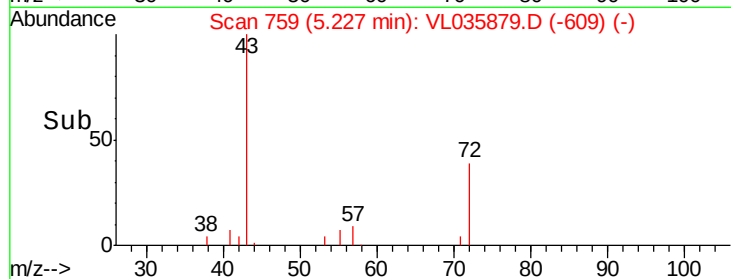
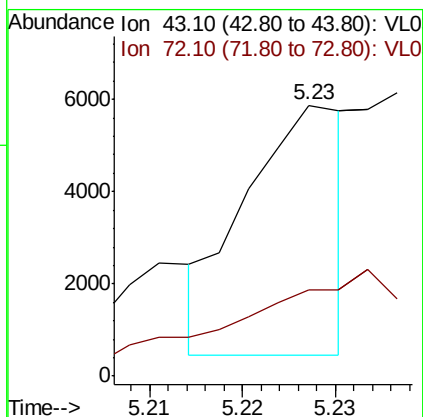
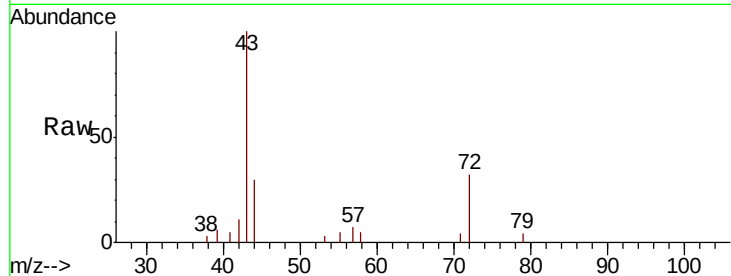




#34
2-Butanone
Concen: 0.031 ppbv
RT: 5.23 min Scan# 759
Delta R.T. -0.02 min
Lab File: VL035879.D
Acq: 6 Nov 2020 3:45

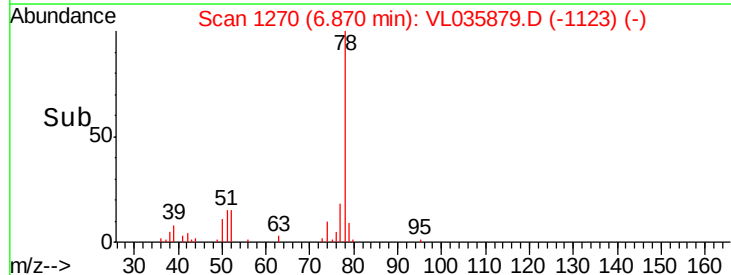
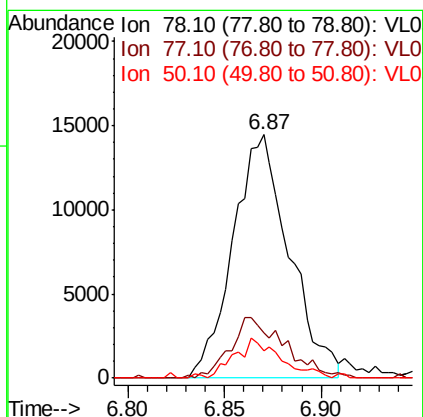
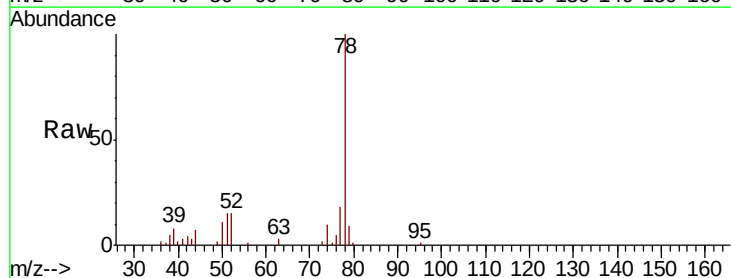
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1DL

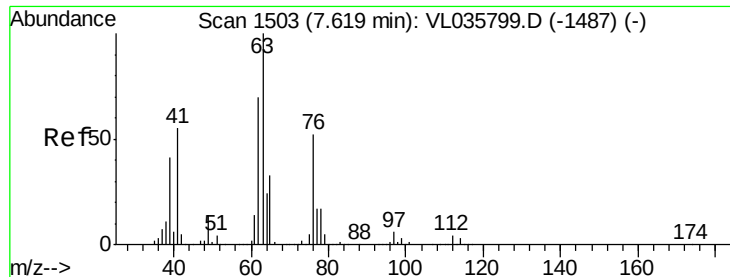
Tot Ion: 43 Resp: 4058
Ion Ratio Lower Upper
43 100
72 0.0 26.5 39.7#



#36
Benzene
Concen: 0.097 ppbv
RT: 6.87 min Scan# 1270
Delta R.T. -0.03 min
Lab File: VL035879.D
Acq: 6 Nov 2020 3:45

Tgt Ion: 78 Resp: 29241
Ion Ratio Lower Upper
78 100
77 17.3 19.3 28.9#
50 11.2 11.4 17.2#

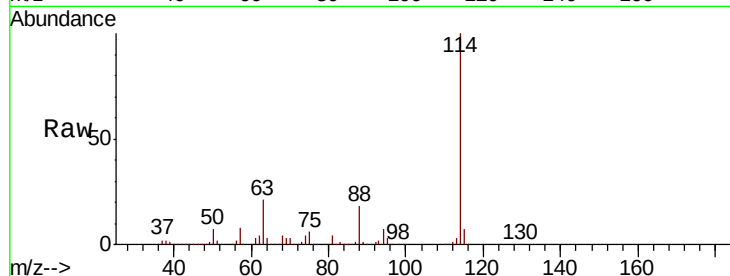




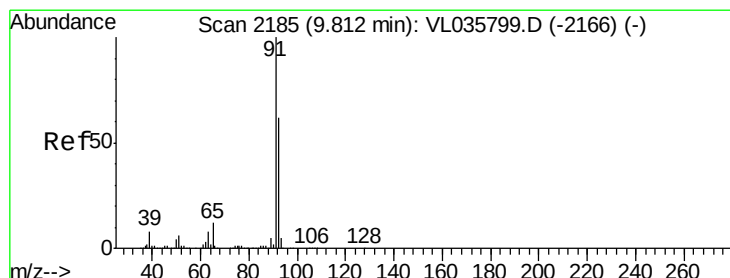
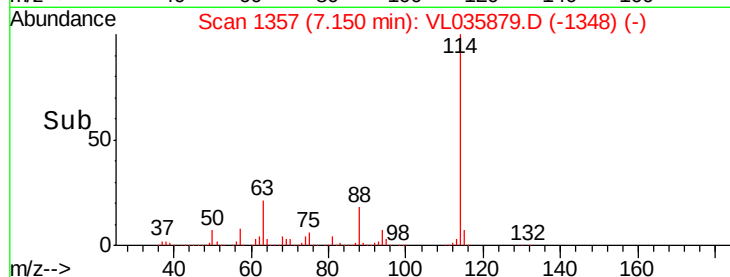
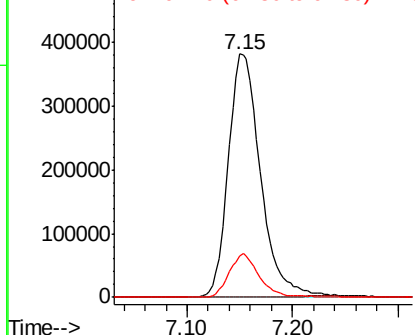
#39
 1,2-Dichloropropane
 Concen: 7.983 ppbv
 RT: 7.15 min Scan# 1357
 Delta R.T. -0.47 min
 Lab File: VL035879.D
 Acq: 6 Nov 2020 3:45

Instrument :
 MSVOA_L
 ClientSampleId :
 SSSG-1DL

Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	43.8	65.6#
62	17.0	56.2	84.2#

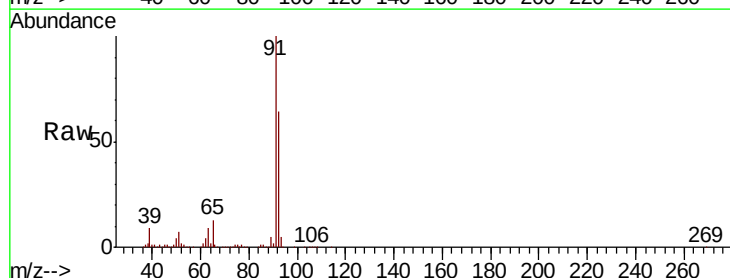


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

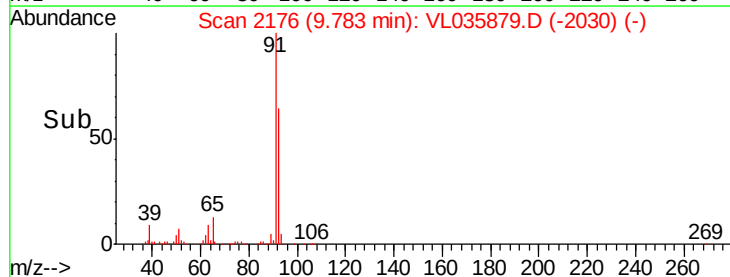
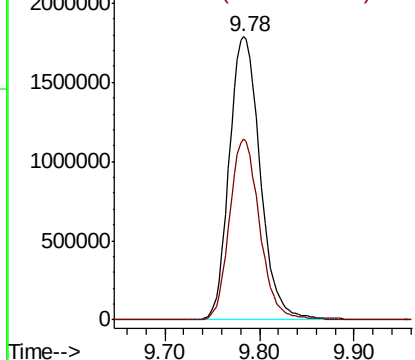


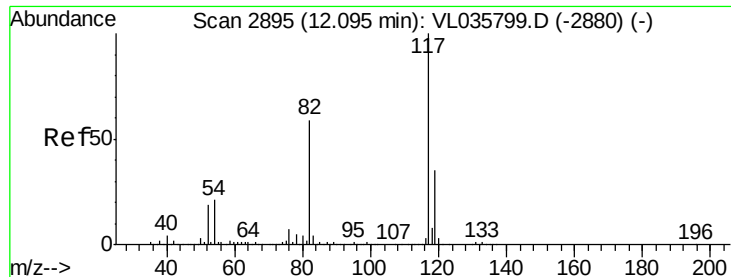
#53
 Toluene
 Concen: 11.193 ppbv
 RT: 9.78 min Scan# 2176
 Delta R.T. -0.03 min
 Lab File: VL035879.D
 Acq: 6 Nov 2020 3:45

Tgt Ion	Ratio	Lower	Upper
91	100		
92	62.5	49.8	74.6



Abundance Ion 91.10 (90.80 to 91.80): VL0
 Ion 92.10 (91.80 to 92.80): VL0

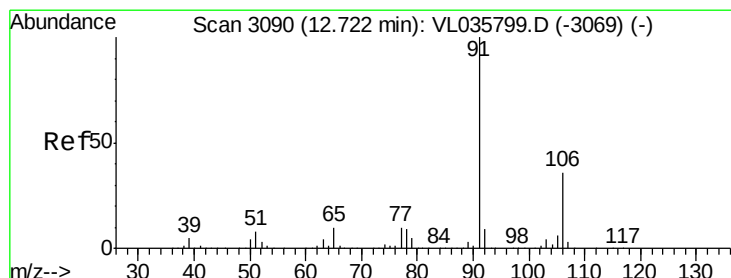
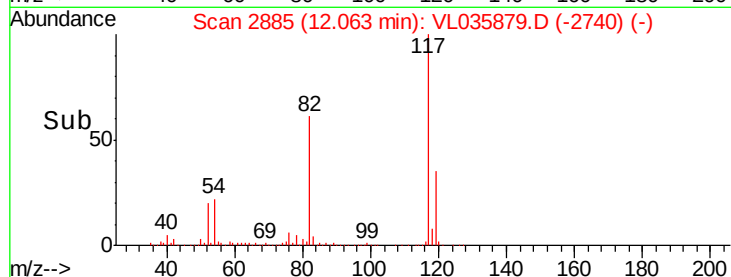
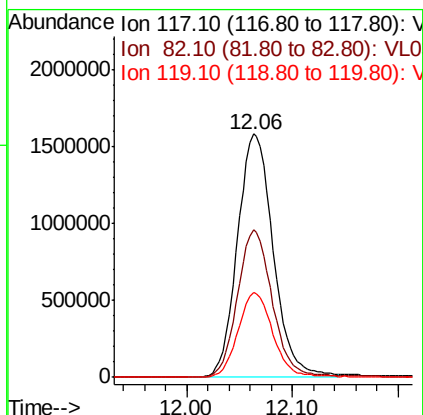
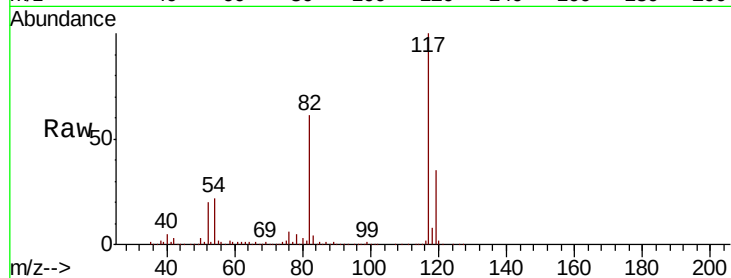




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.06 min Scan# 2885
Delta R.T. -0.03 min
Lab File: VL035879.D
Acq: 6 Nov 2020 3:45

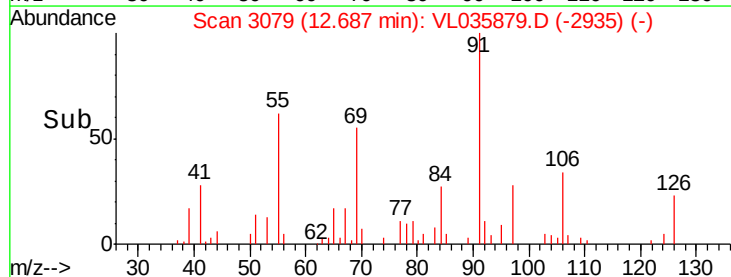
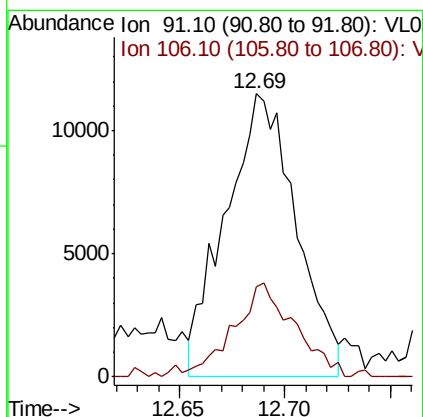
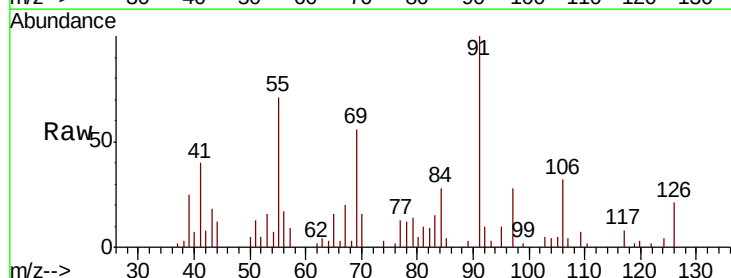
Instrument :
MSVOA_L
ClientSampleId :
SSSG-1DL

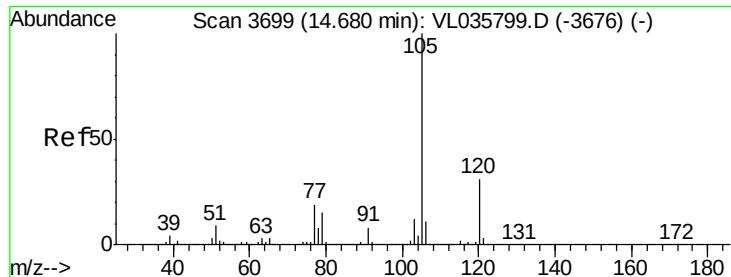
Tot Ion:117 Resp: 3751894
Ion Ratio Lower Upper
117 100
82 60.2 50.6 76.0
119 34.2 52.6 78.8#



#58
Ethyl Benzene
Concen: 0.059 ppbv
RT: 12.69 min Scan# 3079
Delta R.T. -0.04 min
Lab File: VL035879.D
Acq: 6 Nov 2020 3:45

Tgt Ion: 91 Resp: 26816
Ion Ratio Lower Upper
91 100
106 33.5 28.6 43.0





#62

Isopropylbenzene

Concen: 0.466 ppbv

RT: 14.65 min Scan# 3690

Delta R.T. -0.03 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Instrument :

MSVOA_L

ClientSampleId :

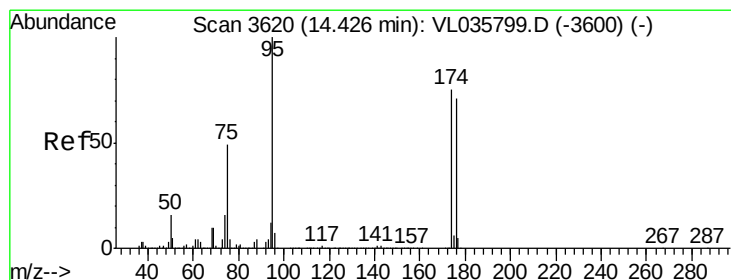
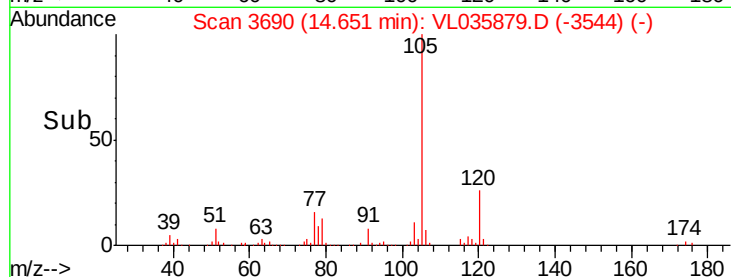
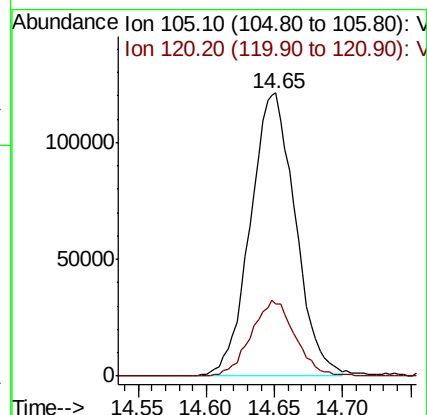
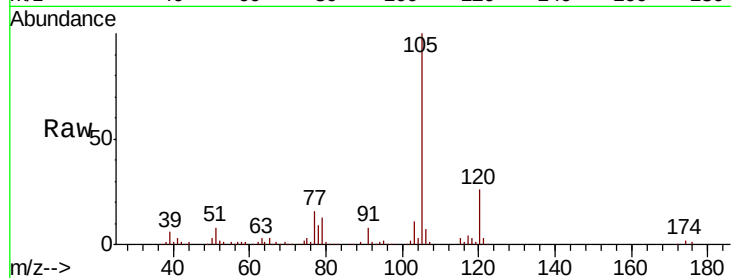
SSSG-1DL

Tot Ion: 105 Resp: 275465

Ion Ratio Lower Upper

105 100

120 26.6 23.5 35.3



#68

1-Bromo-4-Fluorobenzene

Concen: 10.234 ppbv

RT: 14.39 min Scan# 3610

Delta R.T. -0.03 min

Lab File: VL035879.D

Acq: 6 Nov 2020 3:45

Tgt Ion: 95 Resp: 2728052

Ion Ratio Lower Upper

95 100

174 74.7 59.8 89.6

175 5.2 4.3 6.5

