

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036575.D
 Acq On : 30 Mar 2021 18:35
 Operator : SY/AP
 Sample : M1797-05 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:16:28 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	1354140	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3252040	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	2896458	10.00	ppbv	-0.03

System Monitoring Compounds		R.T.	QIon	Response	Conc	Units	Dev(Min)
68) 1-Bromo-4-Fluorobenzene	14.40	95	2286030	9.90	ppbv	-0.03	
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.00%	

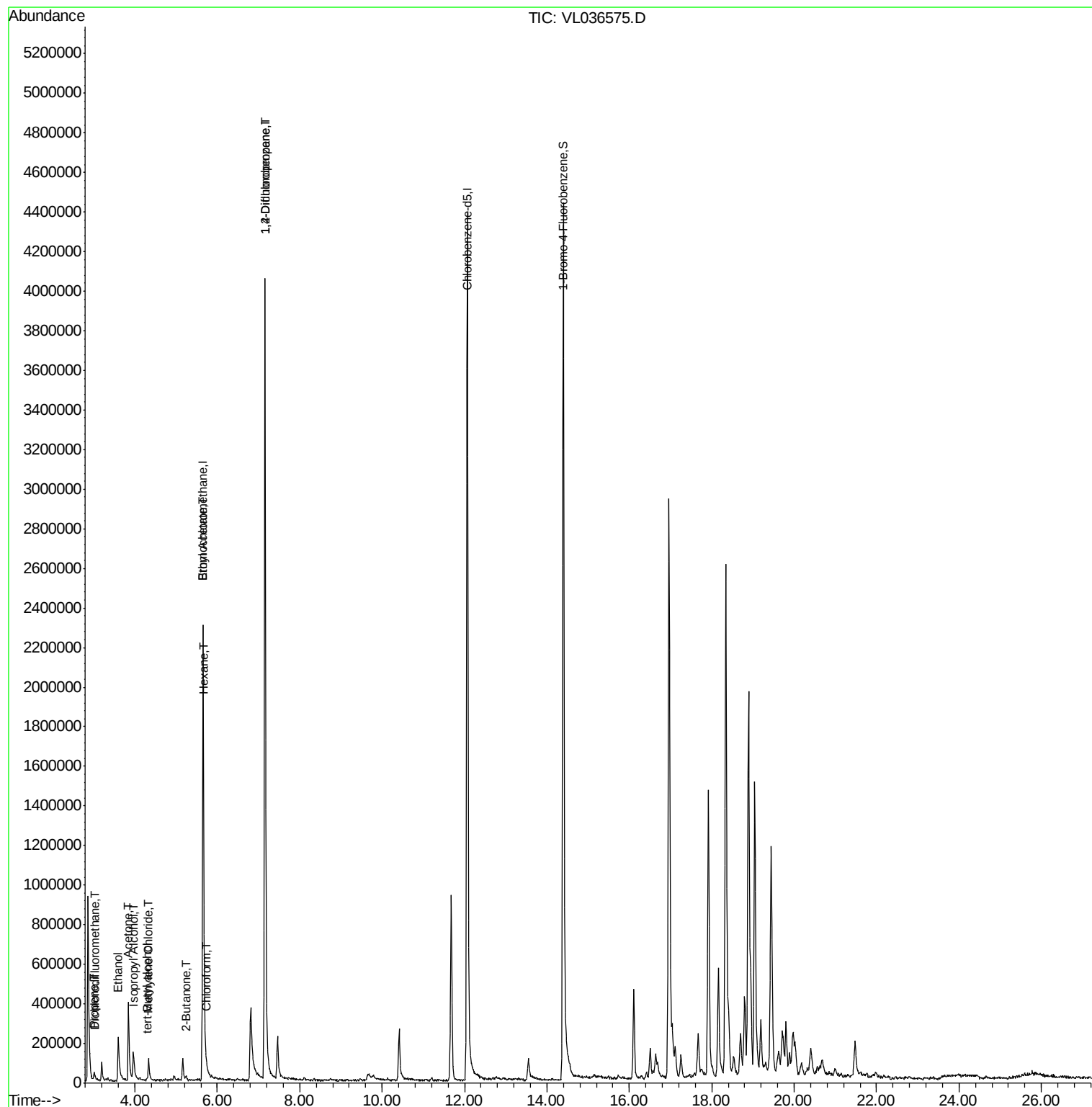
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	4714	0.021	ppbv	94
9) Propene	3.00	41	3892	0.048	ppbv #	14
13) Ethanol	3.59	45	251757	26.212	ppbv	84
15) Acetone	3.84	43	477525	3.583	ppbv #	89
17) tert-Butyl alcohol	4.29	59	6585	0.057	ppbv #	72
19) Isopropyl Alcohol	3.96	45	178931	2.441	ppbv #	90
20) Methylene Chloride	4.33	84	35154	0.563	ppbv	96
25) Ethyl Acetate	5.66	43	7149	0.023	ppbv #	82
26) Hexane	5.67	57	28742	0.195	ppbv #	43
29) Chloroform	5.73	83	6838	0.029	ppbv #	75
34) 2-Butanone	5.23	43	11293	0.071	ppbv #	55
39) 1,2-Dichloropropane	7.15	63	876295	7.203	ppbv #	23

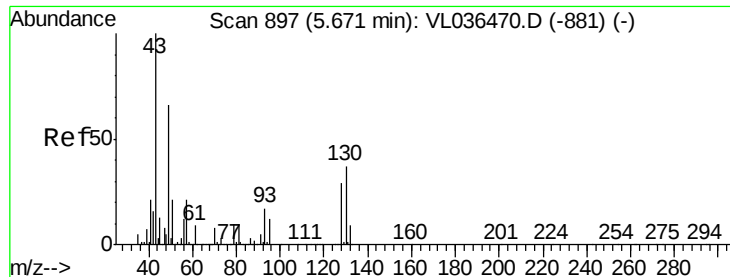
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Mar 31 05:16:28 2021
Quant Method : Z:\V0ASRV\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# 890

Delta R.T. -0.02 min

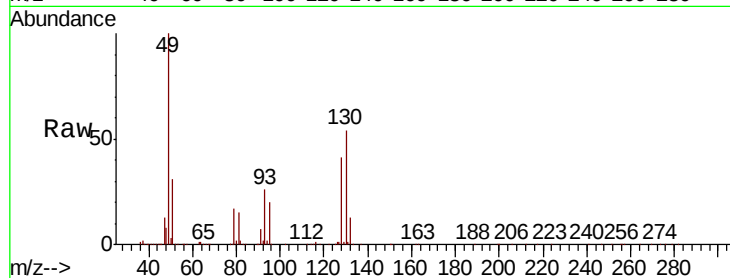
Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1354140

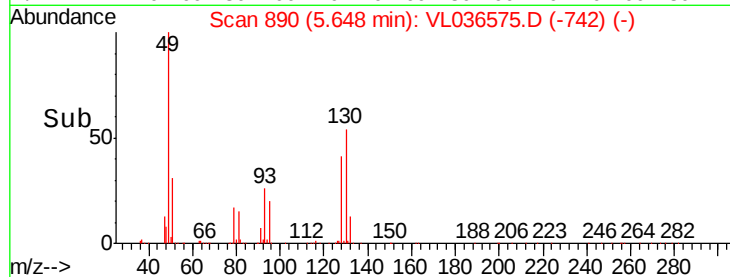
Ion	Ratio	Lower	Upper
49	100		
128	46.2	23.5	70.6
130	57.7	29.1	87.4



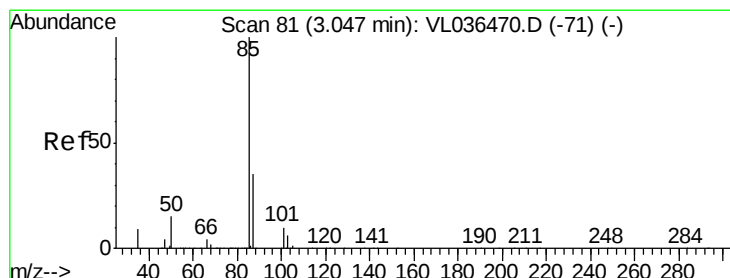
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.021 ppbv

RT: 3.03 min Scan# 76

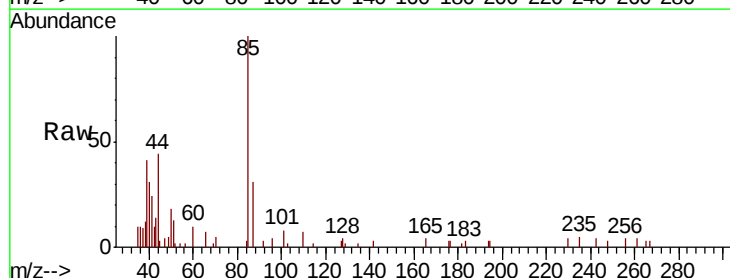
Delta R.T. -0.02 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

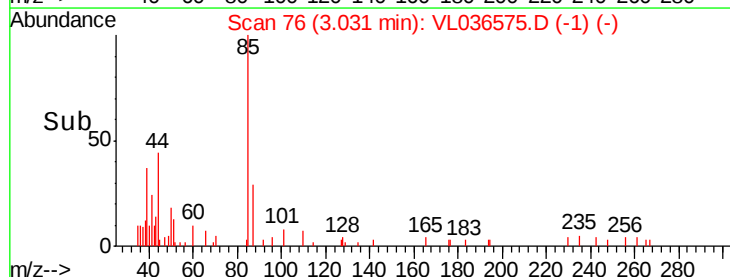
Tgt Ion: 85 Resp: 4714

Ion	Ratio	Lower	Upper
85	100		
87	31.4	27.8	41.8

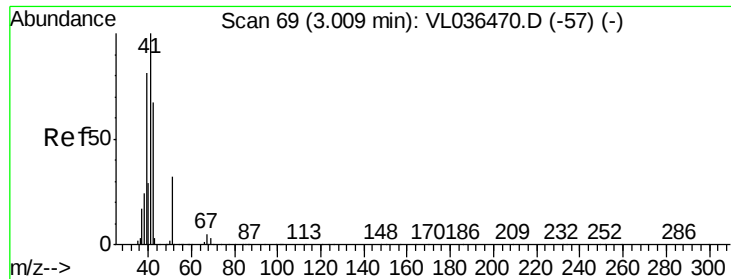


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



Time-->



#9

Propene

Concen: 0.048 ppbv

RT: 3.00 min Scan# 65

Delta R.T. -0.01 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

Instrument :

MSVOA_L

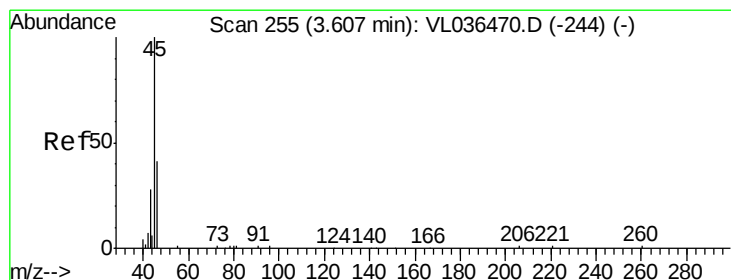
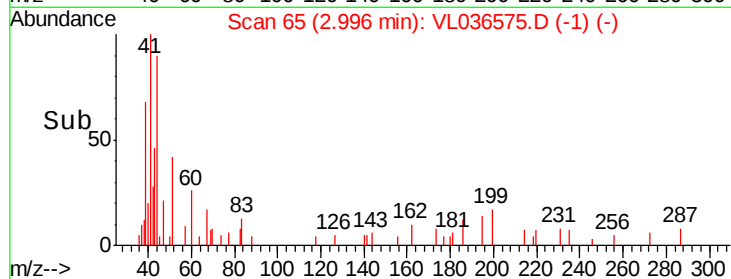
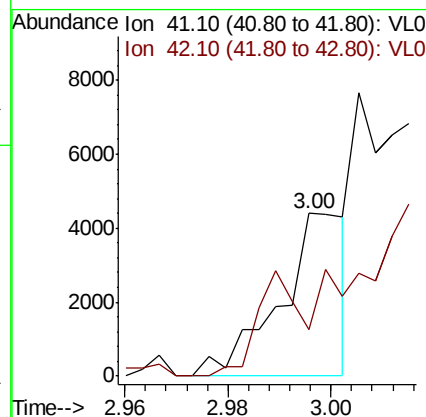
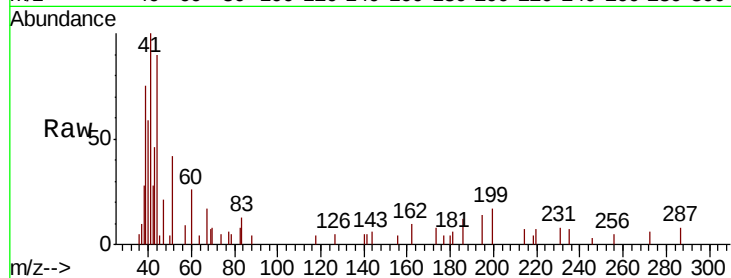
ClientSampled :

Tot Ion: 41 Resp: 3892

Ion Ratio Lower Upper

41 100

42 0.0 57.0 85.4#



#13

Ethanol

Concen: 26.212 ppbv

RT: 3.59 min Scan# 251

Delta R.T. -0.01 min

Lab File: VL036575.D

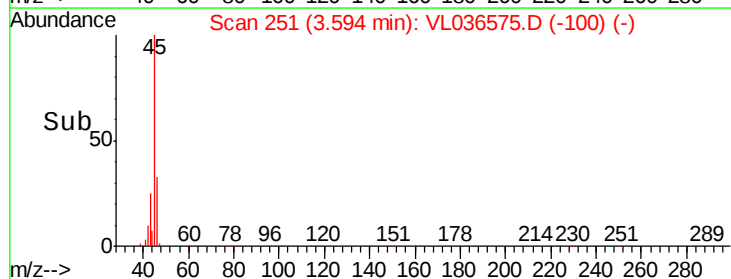
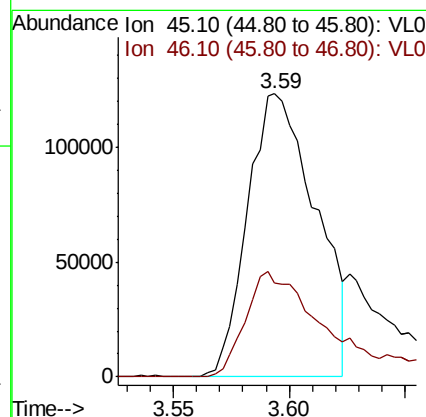
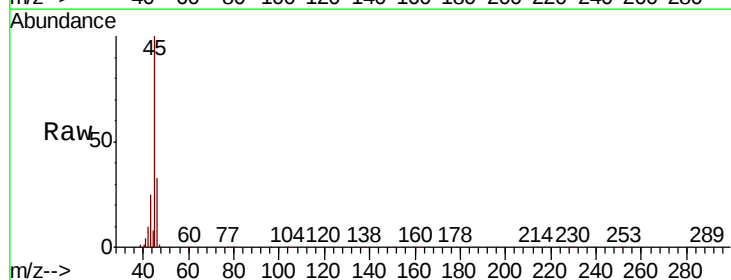
Acq: 30 Mar 2021 18:35

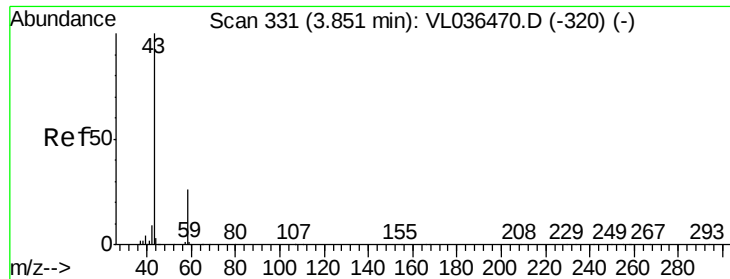
Tgt Ion: 45 Resp: 251757

Ion Ratio Lower Upper

45 100

46 51.2 16.6 66.2





#15

Acetone

Concen: 3.583 ppbv

RT: 3.84 min Scan# 328

Delta R.T. -0.01 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

Instrument :

MSVOA_L

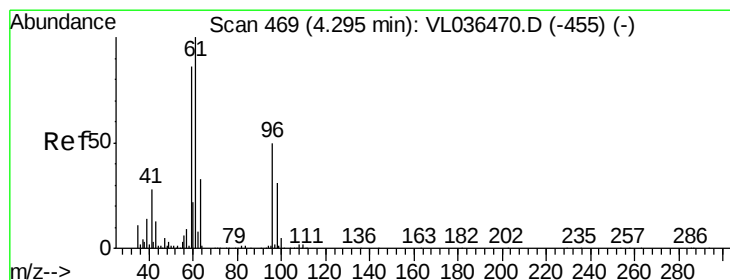
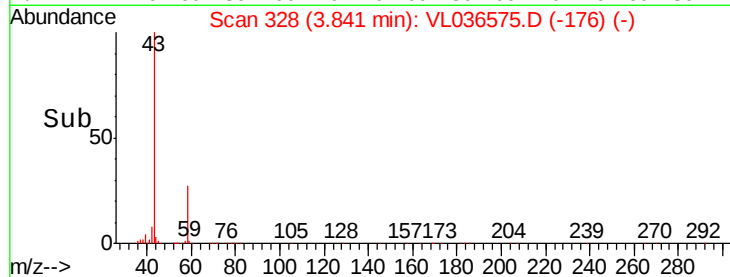
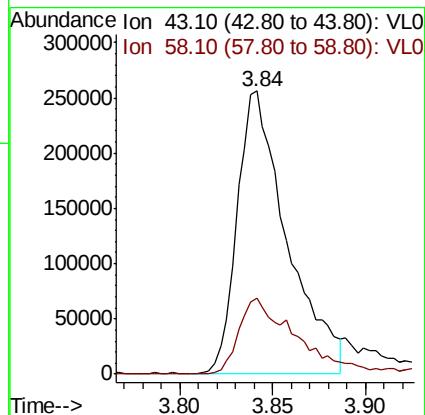
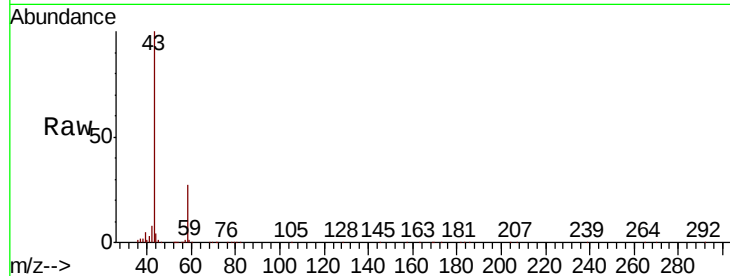
ClientSampled :

Tot Ion: 43 Resp: 477525

Ion Ratio Lower Upper

43 100

58 32.1 21.2 31.8#



#17

tert-Butyl alcohol

Concen: 0.057 ppbv

RT: 4.29 min Scan# 468

Delta R.T. -0.00 min

Lab File: VL036575.D

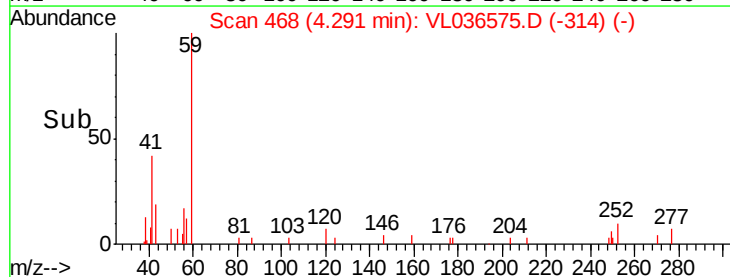
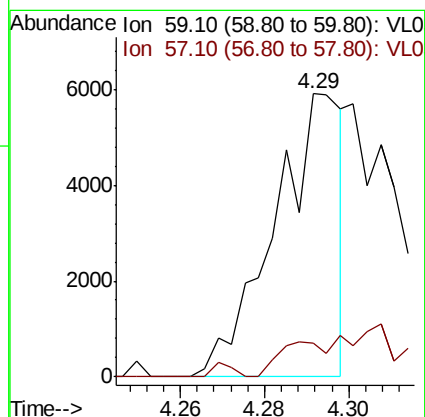
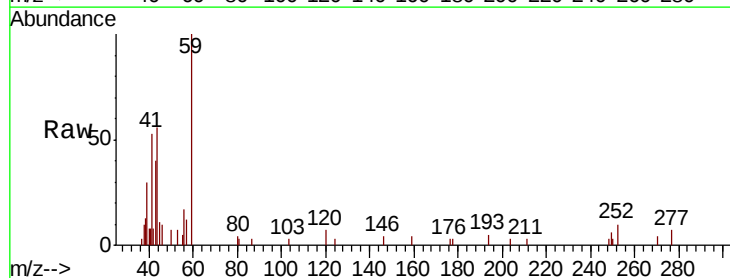
Acq: 30 Mar 2021 18:35

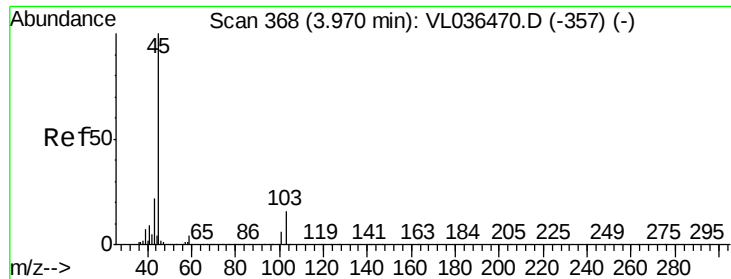
Tgt Ion: 59 Resp: 6585

Ion Ratio Lower Upper

59 100

57 0.0 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 2.441 ppbv

RT: 3.96 min Scan# 365

Delta R.T. -0.01 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

Instrument :

MSVOA_L

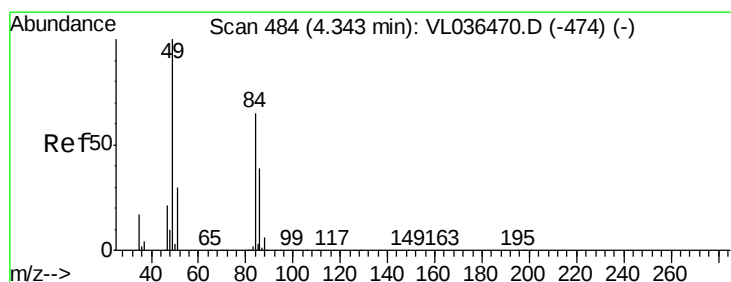
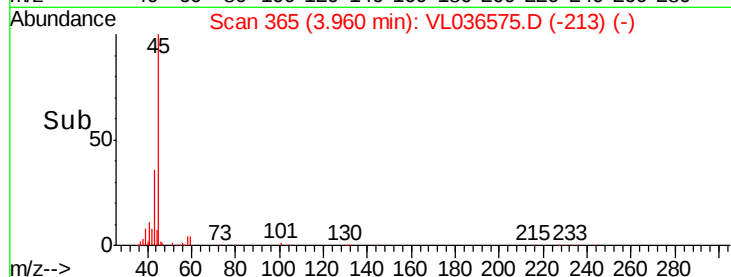
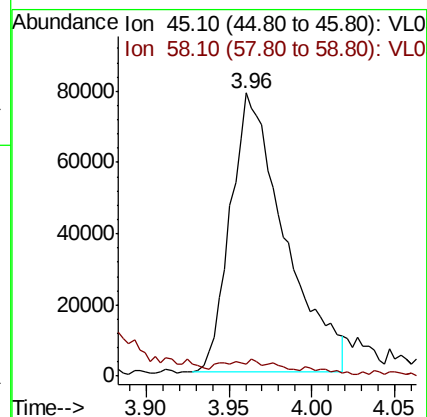
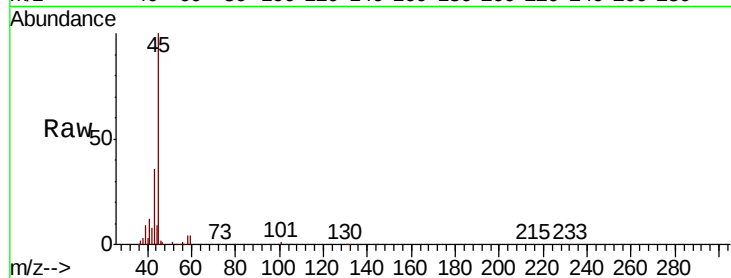
ClientSampleId :

Tot Ion: 45 Resp: 178931

Ion Ratio Lower Upper

45 100

58 7.1 2.9 4.3#



#20

Methylene Chloride

Concen: 0.563 ppbv

RT: 4.33 min Scan# 481

Delta R.T. -0.01 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

Tgt Ion: 84 Resp: 35154

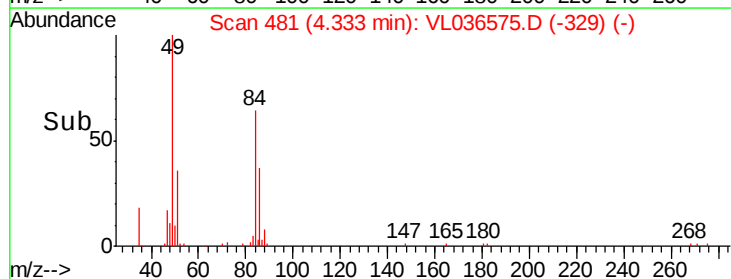
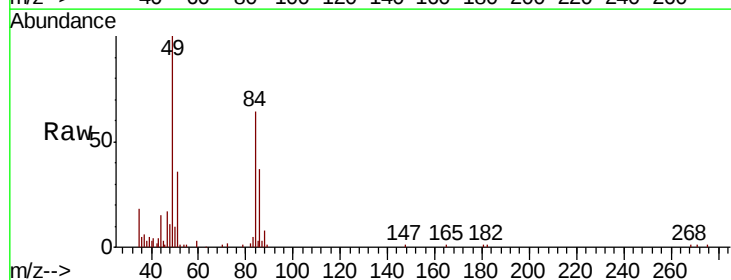
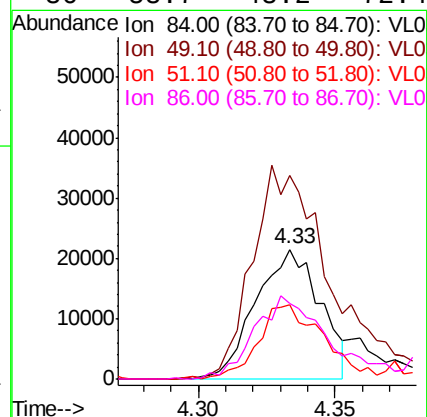
Ion Ratio Lower Upper

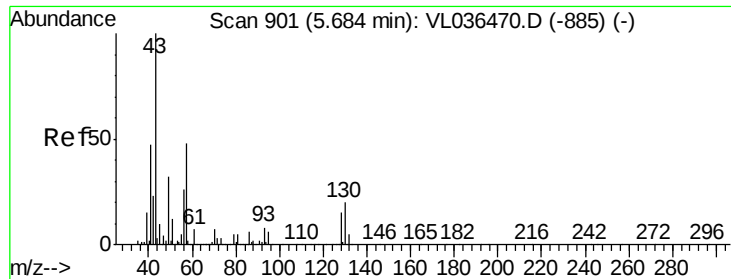
84 100

49 155.6 122.9 184.3

51 55.0 36.9 55.3

86 58.7 48.2 72.4

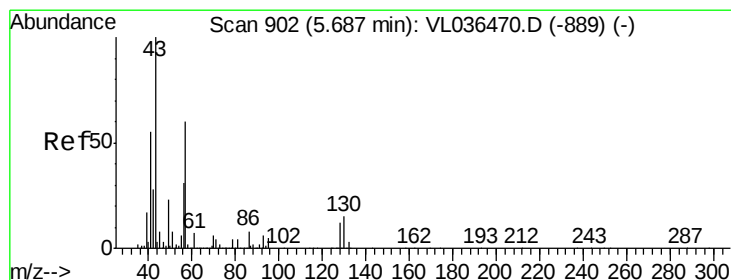
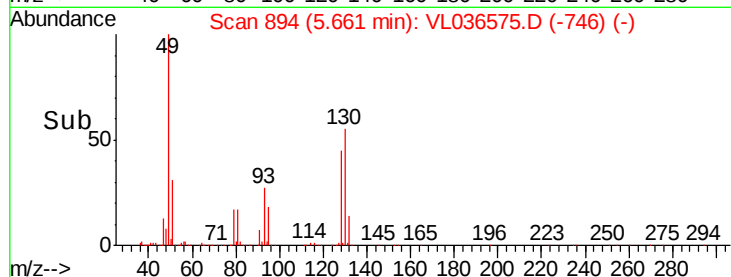
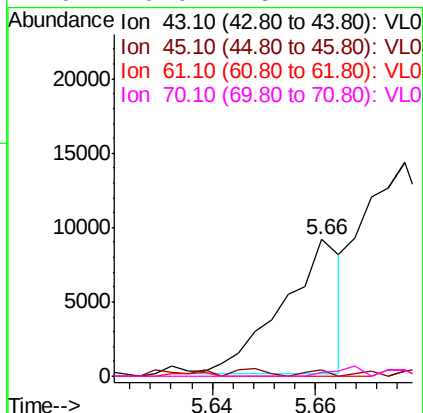
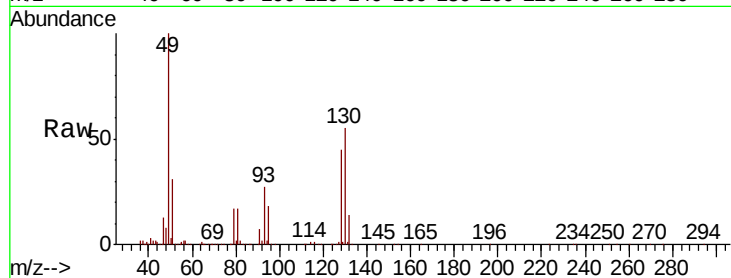




#25
Ethyl Acetate
Concen: 0.023 ppbv
RT: 5.66 min Scan# 894
Delta R.T. -0.02 min
Lab File: VL036575.D
Acq: 30 Mar 2021 18:35

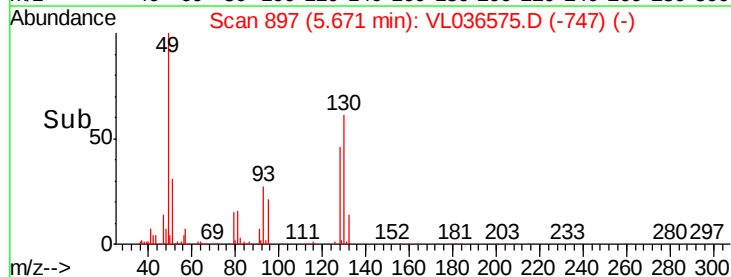
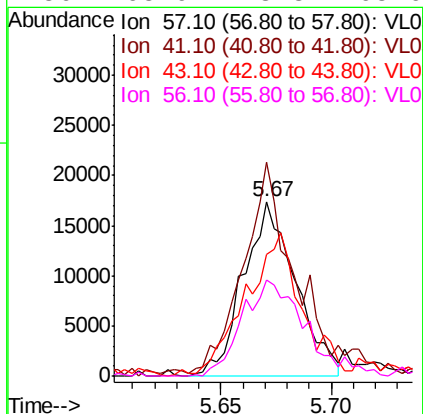
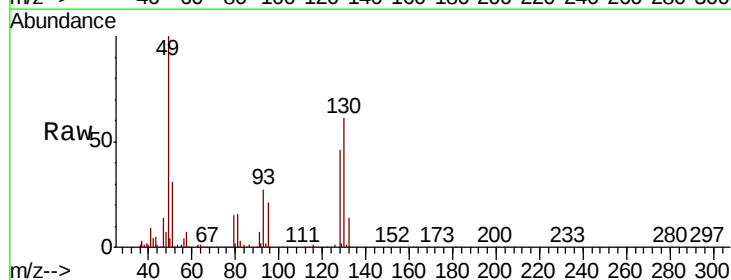
Instrument :
MSVOA_L
ClientSampleId :

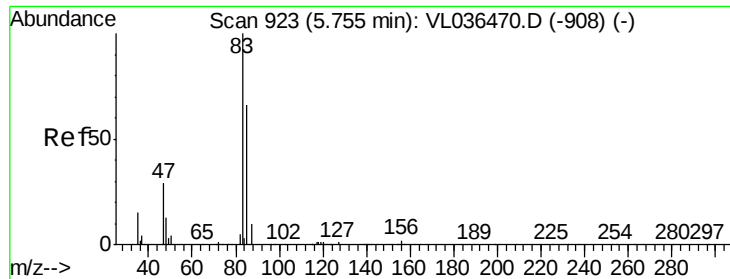
Tot Ion:	43	Resp:	7149
Ion	Ratio	Lower	Upper
43	100		
45	6.4	7.9	11.9#
61	0.0	7.4	11.2#
70	0.0	5.1	7.7#



#26
Hexane
Concen: 0.195 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036575.D
Acq: 30 Mar 2021 18:35

Tgt Ion:	57	Resp:	28742
Ion	Ratio	Lower	Upper
57	100		
41	122.4	77.2	115.8#
43	88.9	173.8	260.6#
56	65.9	43.8	65.6#

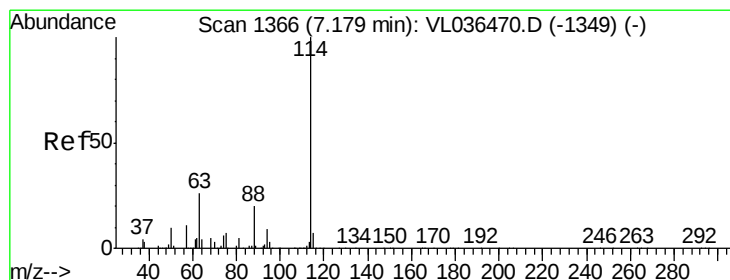
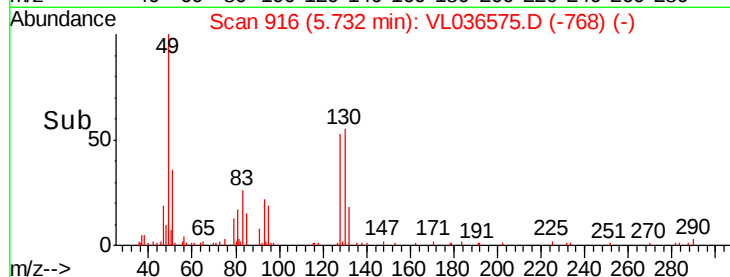
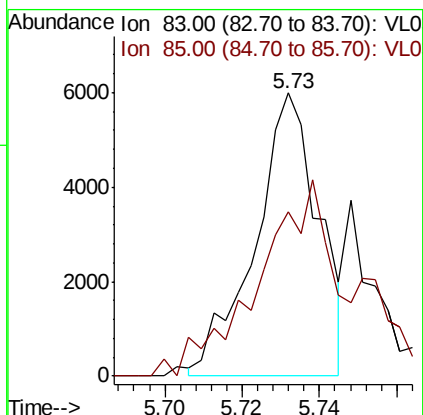
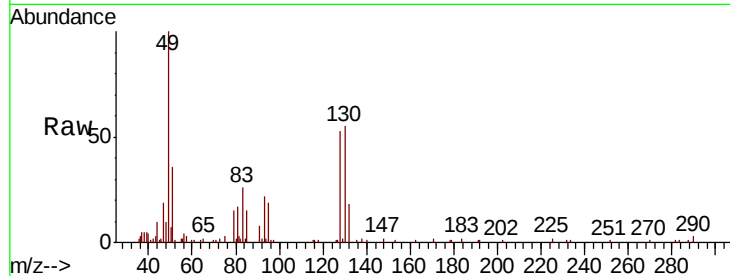




#29
Chloroform
Concen: 0.029 ppbv
RT: 5.73 min Scan# 916
Delta R.T. -0.02 min
Lab File: VL036575.D
Acq: 30 Mar 2021 18:35

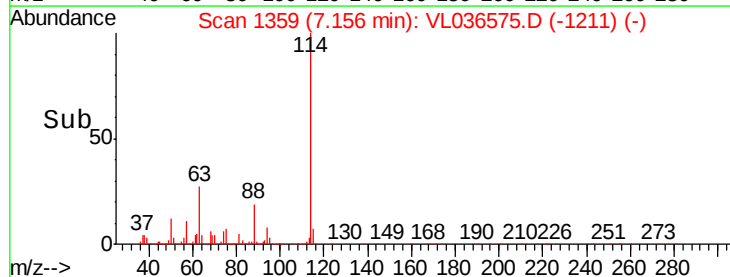
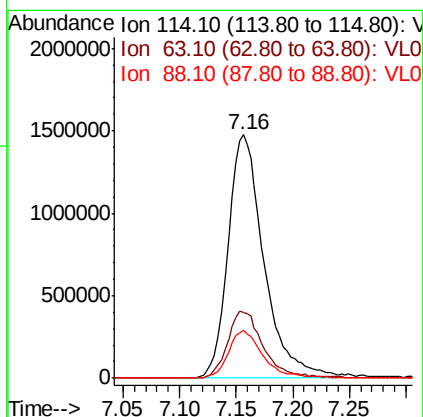
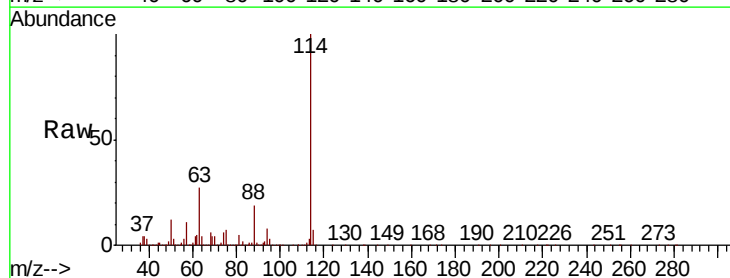
Instrument :
MSVOA_L
ClientSampleId :

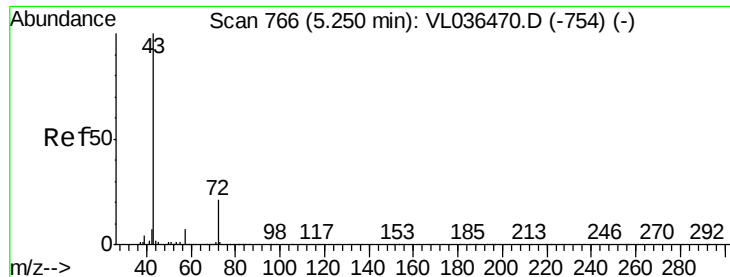
Tot Ion: 83 Resp: 6838
Ion Ratio Lower Upper
83 100
85 45.7 52.6 78.8#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.16 min Scan# 1359
Delta R.T. -0.02 min
Lab File: VL036575.D
Acq: 30 Mar 2021 18:35

Tgt Ion: 114 Resp: 3252040
Ion Ratio Lower Upper
114 100
63 28.0 22.4 33.6
88 19.0 15.4 23.0

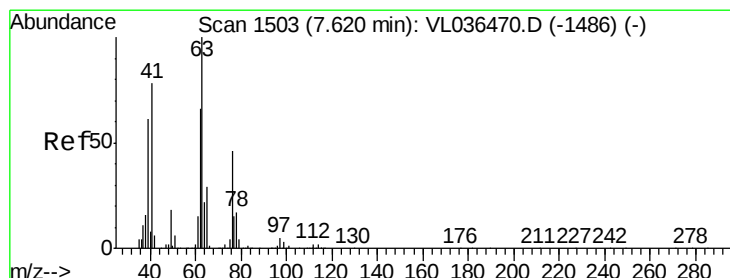
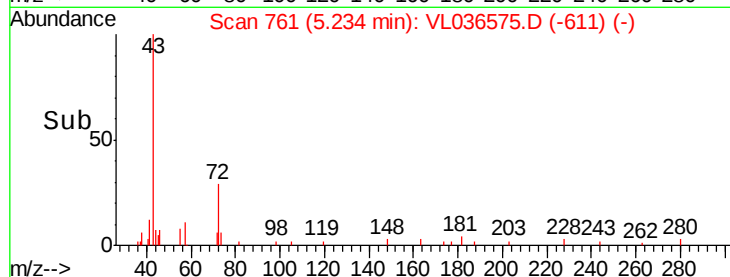
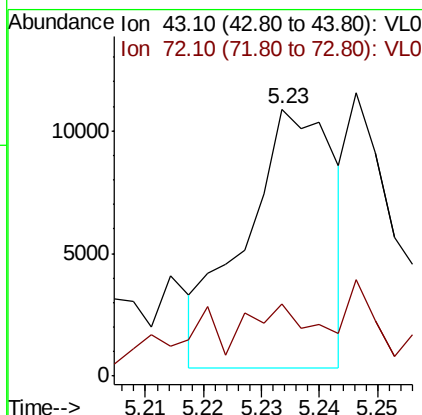
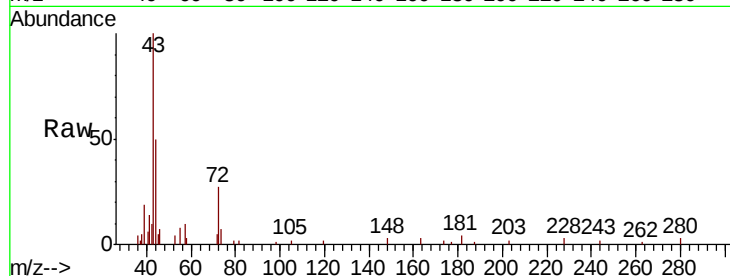




#34
2-Butanone
Concen: 0.071 ppbv
RT: 5.23 min Scan# 761
Delta R.T. -0.02 min
Lab File: VL036575.D
Acq: 30 Mar 2021 18:35

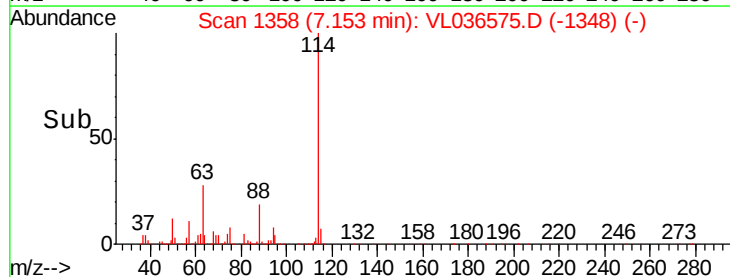
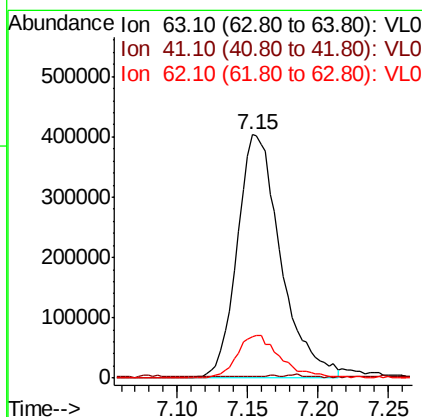
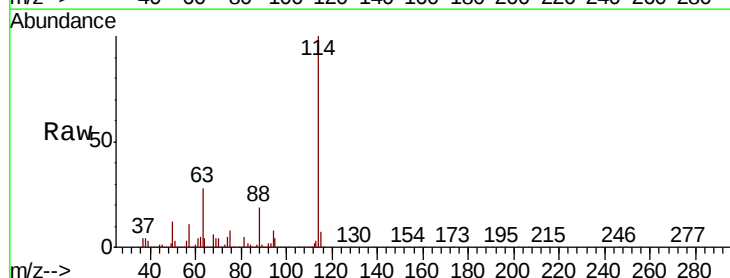
Instrument :
MSVOA_L
ClientSampleId :

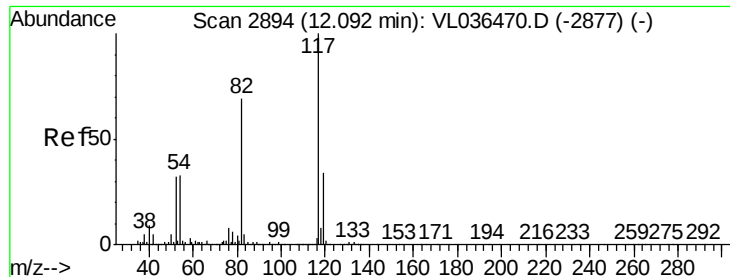
Tot Ion: 43 Resp: 11293
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#39
1,2-Dichloropropane
Concen: 7.203 ppbv
RT: 7.15 min Scan# 1358
Delta R.T. -0.47 min
Lab File: VL036575.D
Acq: 30 Mar 2021 18:35

Tgt Ion: 63 Resp: 876295
Ion Ratio Lower Upper
63 100
41 0.1 62.4 93.6#
62 16.8 52.8 79.2#





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.07 min Scan# 2886

Delta R.T. -0.03 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

Instrument :

MSVOA_L

ClientSampleId :

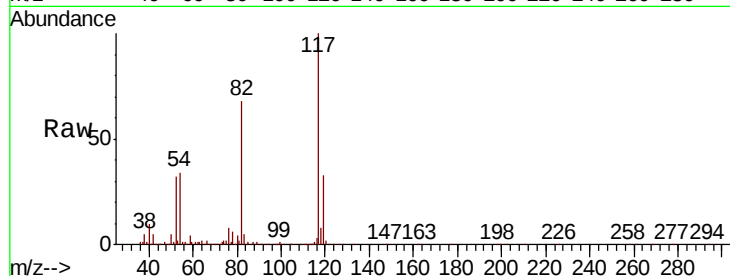
Tot Ion:117 Resp: 2896458

Ion Ratio Lower Upper

117 100

82 70.2 57.4 86.0

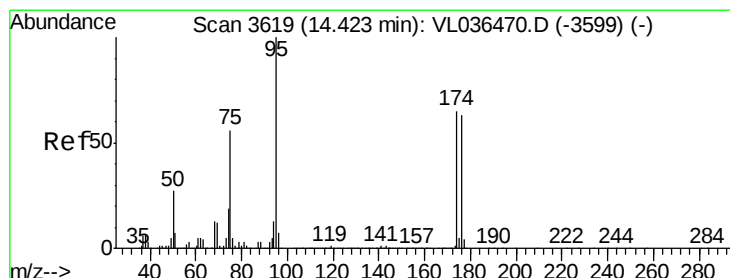
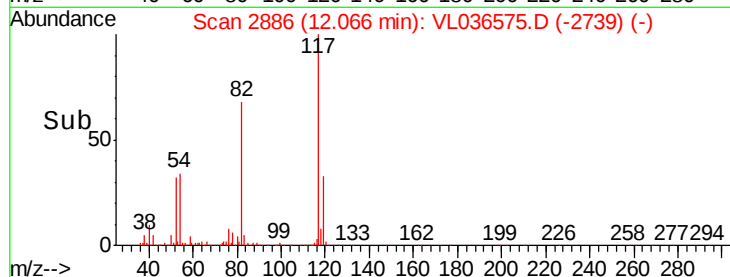
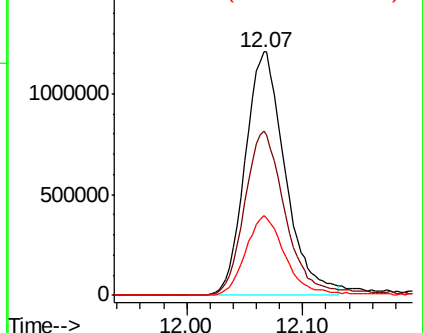
119 33.3 47.4 71.0#



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: 9.903 ppbv

RT: 14.40 min Scan# 3611

Delta R.T. -0.03 min

Lab File: VL036575.D

Acq: 30 Mar 2021 18:35

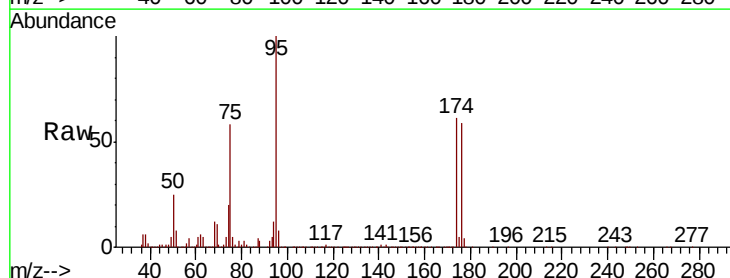
Tgt Ion: 95 Resp: 2286030

Ion Ratio Lower Upper

95 100

174 66.1 51.0 76.6

175 4.6 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

