

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032621\
 Data File : VL036531.D
 Acq On : 27 Mar 2021 2:27
 Operator : SY/AP
 Sample : M1760-18DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 27 03:32:35 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	5.66	49	1309956	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	2953173	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	2649470	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.42	95	2041827	9.67	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	96.70%

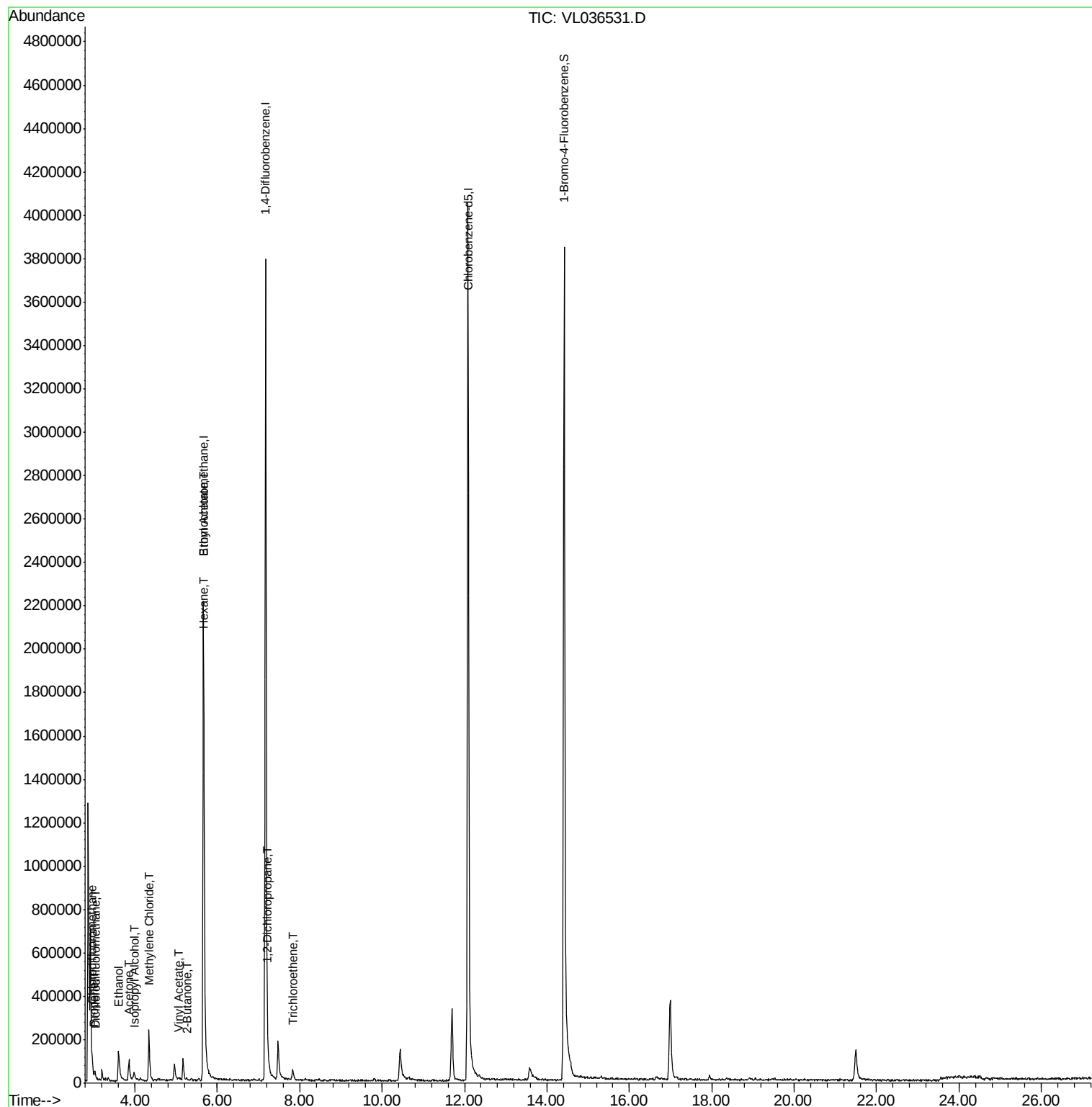
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.04	85	6551	0.031	ppbv	92
3) Chlorodifluoromethane	2.96	51	84427	0.345	ppbv #	64
9) Propene	3.01	41	5757	0.074	ppbv #	14
13) Ethanol	3.61	45	182731	19.667	ppbv	99
15) Acetone	3.85	43	101506	0.787	ppbv #	62
19) Isopropyl Alcohol	3.97	45	13250	0.187	ppbv #	6
20) Methylene Chloride	4.34	84	74214	1.229	ppbv	94
23) Vinyl Acetate	5.07	43	4828	0.022	ppbv #	85
25) Ethyl Acetate	5.67	43	27429	0.089	ppbv #	73
26) Hexane	5.68	57	37357	0.263	ppbv #	74
34) 2-Butanone	5.25	43	3252	0.023	ppbv #	55
38) Trichloroethene	7.84	130	2982	0.028	ppbv #	28
39) 1,2-Dichloropropane	7.22	63	13059	0.118	ppbv #	31

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

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Quant Time: Mar 27 03:32:35 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: 5.66 min Scan# 894

Delta R.T. -0.01 min

Lab File: VL036531.D

Acq: 27 Mar 2021 2:27

Instrument :
MSVOA_L
ClientSampleId :

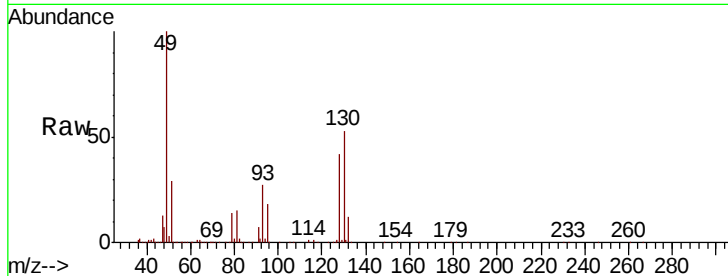
Tot Ion: 49 Resp: 1309956

Ion Ratio Lower Upper

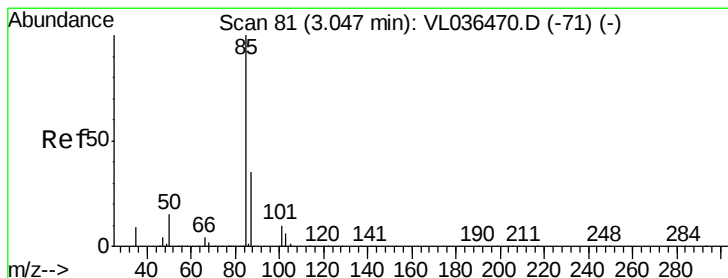
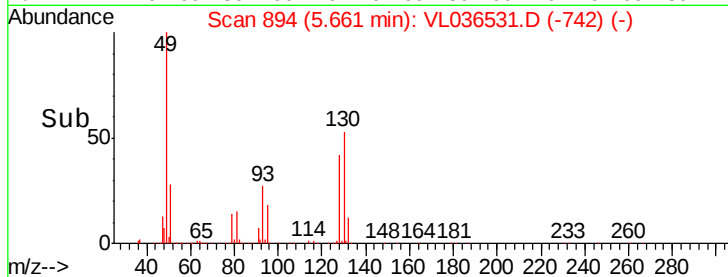
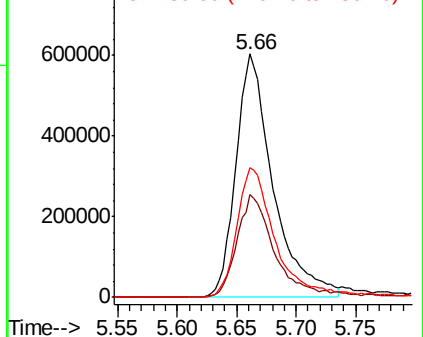
49 100

128 45.3 23.5 70.6

130 56.7 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



#2

Dichlorodifluoromethane

Concen: 0.031 ppbv

RT: 3.04 min Scan# 78

Delta R.T. -0.01 min

Lab File: VL036531.D

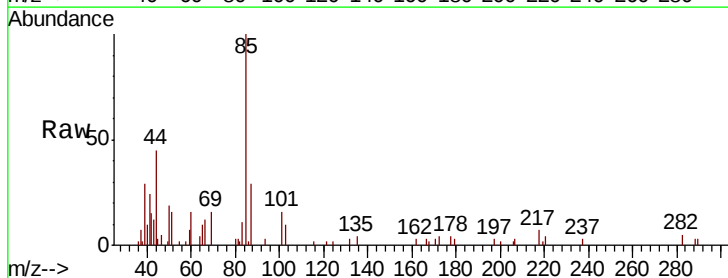
Acq: 27 Mar 2021 2:27

Tgt Ion: 85 Resp: 6551

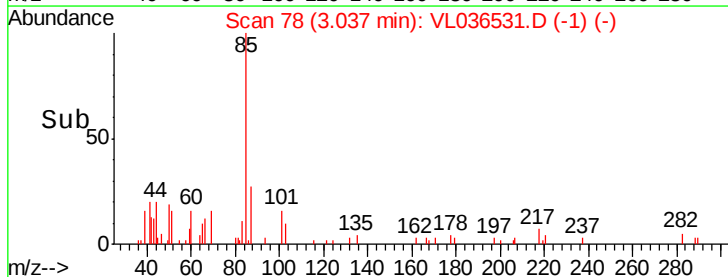
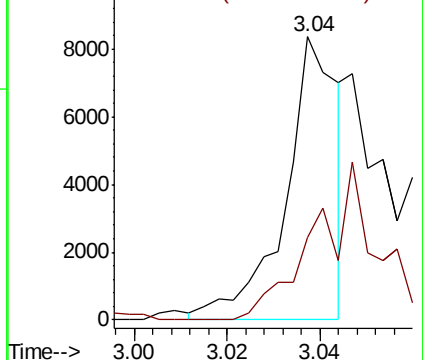
Ion Ratio Lower Upper

85 100

87 30.0 27.8 41.8



Abundance Ion 85.00 (84.70 to 85.70): VL0
Ion 87.00 (86.70 to 87.70): VL0





#3

Chlorodifluoromethane

Concen: 0.345 ppbv

RT: 2.96 min Scan# 53

Delta R.T. -0.03 min

Lab File: VL036531.D

Acq: 27 Mar 2021 2:27

Instrument :

MSVOA_L

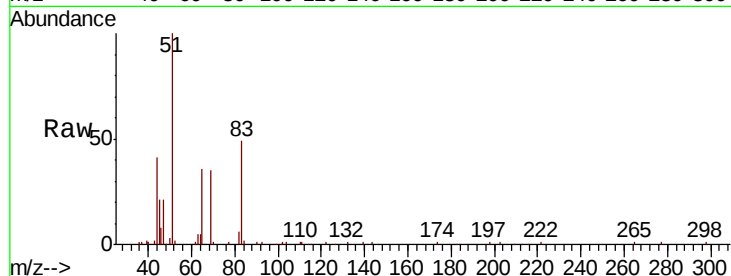
ClientSampleId :

Tot Ion: 51 Resp: 84427

Ion Ratio Lower Upper

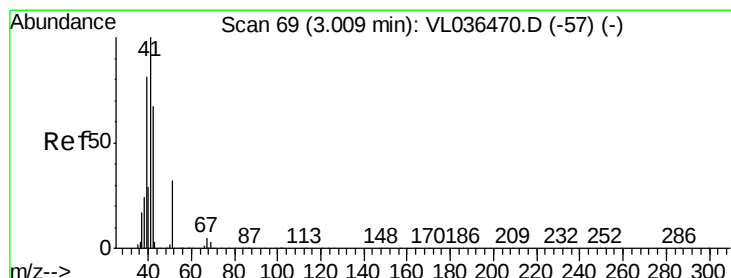
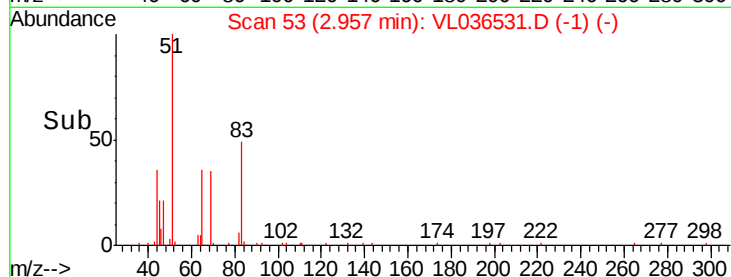
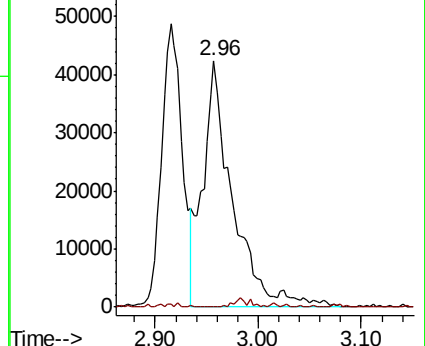
51 100

67 2.4 14.7 22.1#



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.074 ppbv

RT: 3.01 min Scan# 70

Delta R.T. 0.00 min

Lab File: VL036531.D

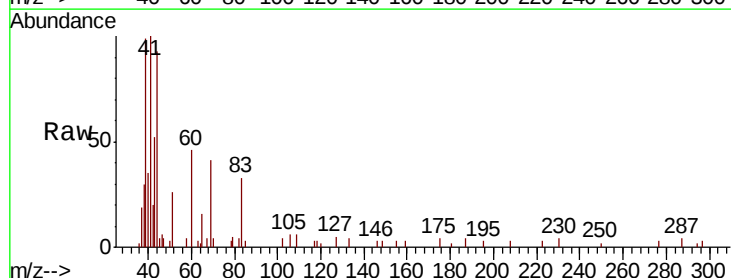
Acq: 27 Mar 2021 2:27

Tgt Ion: 41 Resp: 5757

Ion Ratio Lower Upper

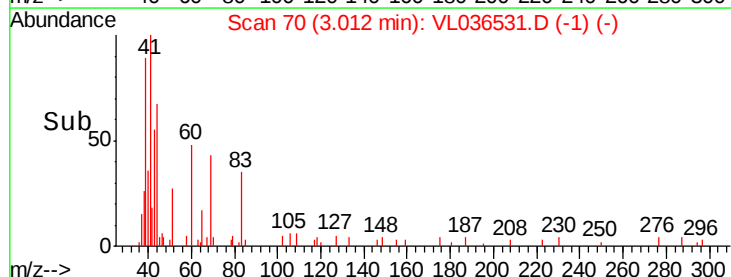
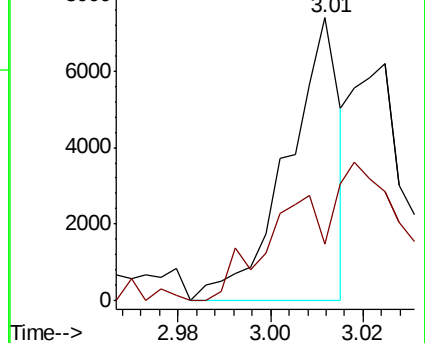
41 100

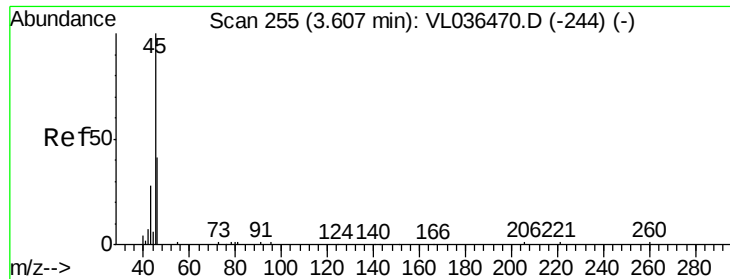
42 0.0 57.0 85.4#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 19.667 ppbv

RT: 3.61 min Scan# 255

Delta R.T. -0.00 min

Lab File: VL036531.D

Acq: 27 Mar 2021 2:27

Instrument :

MSVOA_L

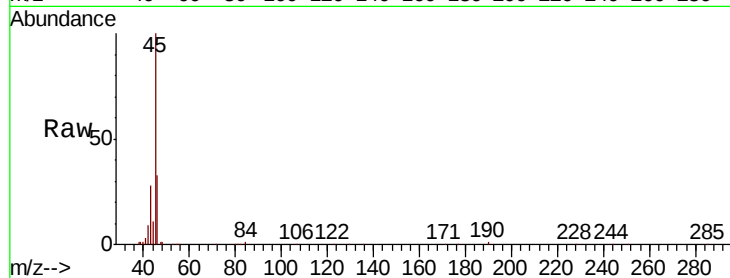
ClientSampleId :

Tot Ion: 45 Resp: 182731

Ion Ratio Lower Upper

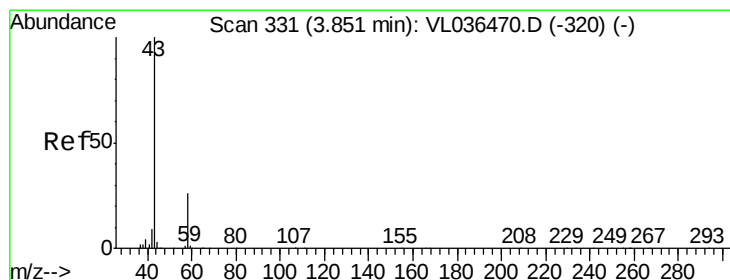
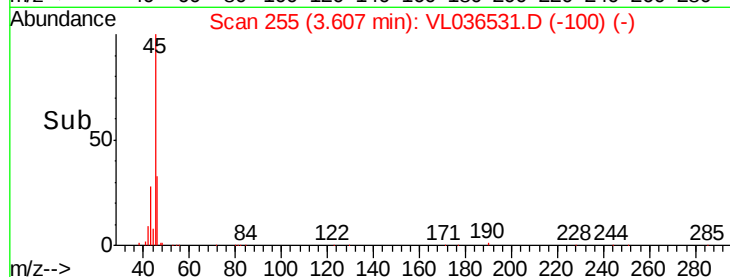
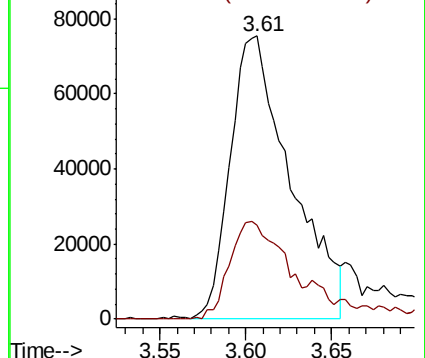
45 100

46 41.0 16.6 66.2



Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 46.10 (45.80 to 46.80): VL0



#15

Acetone

Concen: 0.787 ppbv

RT: 3.85 min Scan# 332

Delta R.T. 0.00 min

Lab File: VL036531.D

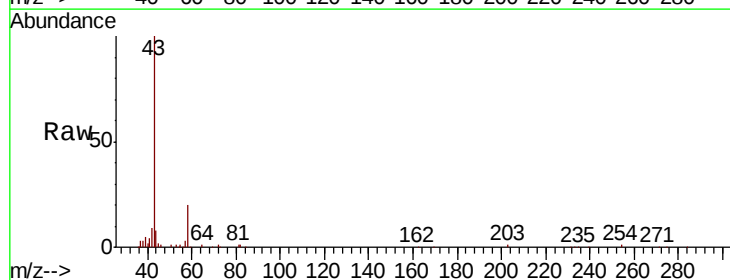
Acq: 27 Mar 2021 2:27

Tgt Ion: 43 Resp: 101506

Ion Ratio Lower Upper

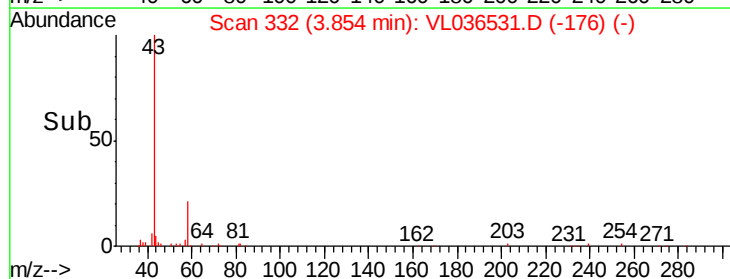
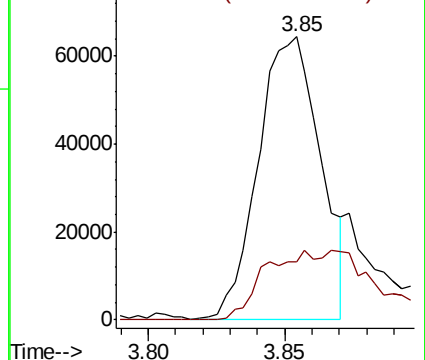
43 100

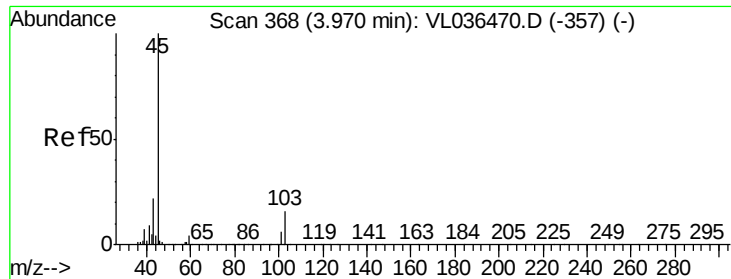
58 46.1 21.2 31.8#



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0





#19

Isopropyl Alcohol

Concen: 0.187 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036531.D

Acq: 27 Mar 2021 2:27

Instrument :

MSVOA_L

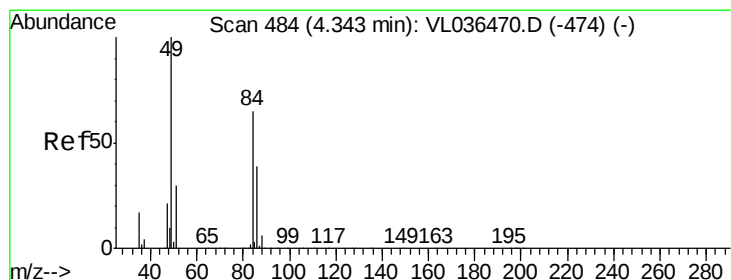
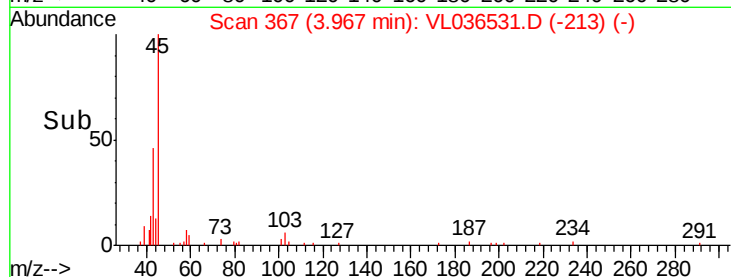
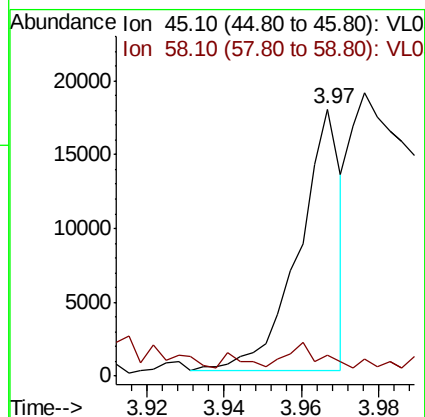
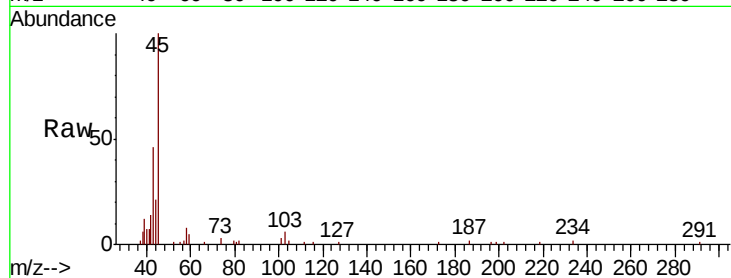
ClientSampleId :

Tot Ion: 45 Resp: 13250

Ion Ratio Lower Upper

45 100

58 34.6 2.9 4.3#



#20

Methylene Chloride

Concen: 1.229 ppbv

RT: 4.34 min Scan# 482

Delta R.T. -0.01 min

Lab File: VL036531.D

Acq: 27 Mar 2021 2:27

Tgt Ion: 84 Resp: 74214

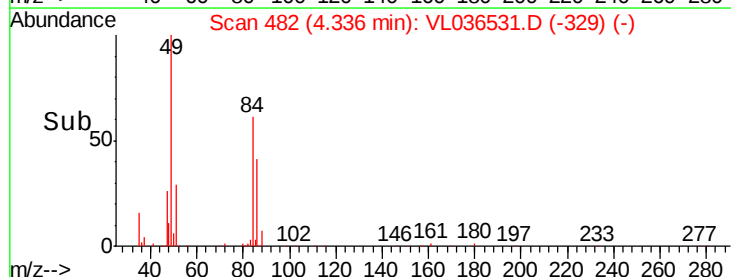
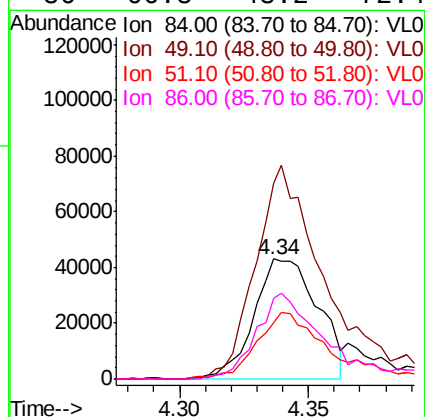
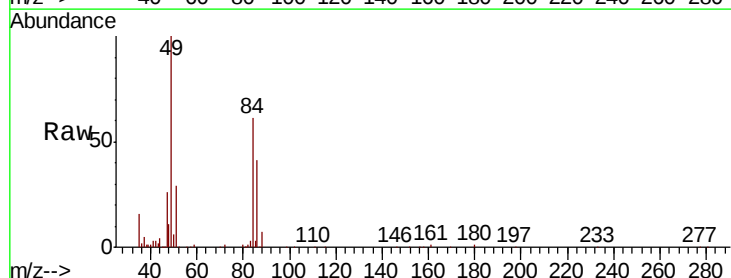
Ion Ratio Lower Upper

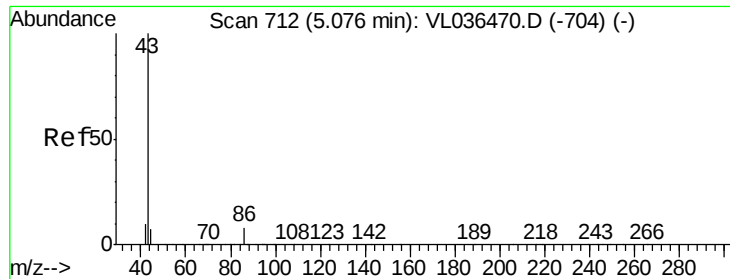
84 100

49 161.5 122.9 184.3

51 46.0 36.9 55.3

86 66.8 48.2 72.4

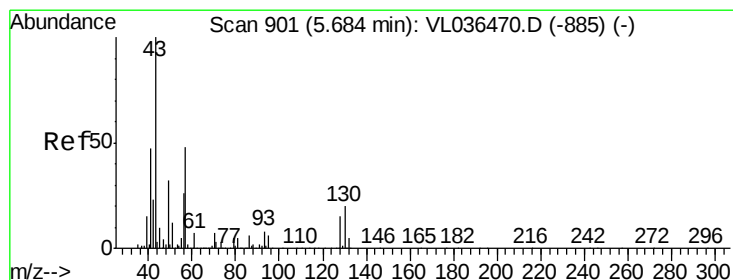
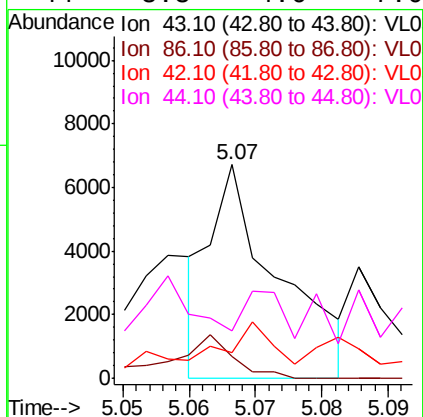
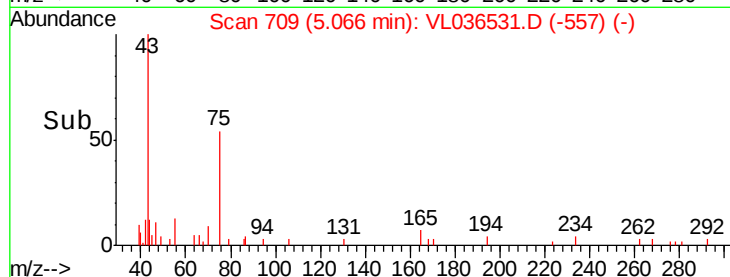
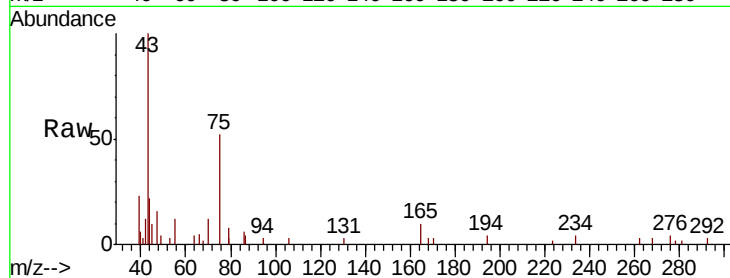




#23
 Vinyl Acetate
 Concen: 0.022 ppbv
 RT: 5.07 min Scan# 709
 Delta R.T. -0.01 min
 Lab File: VL036531.D
 Acq: 27 Mar 2021 2:27

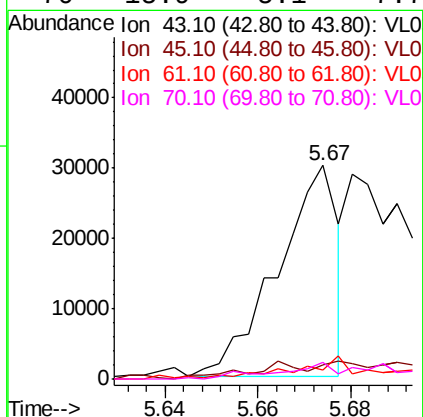
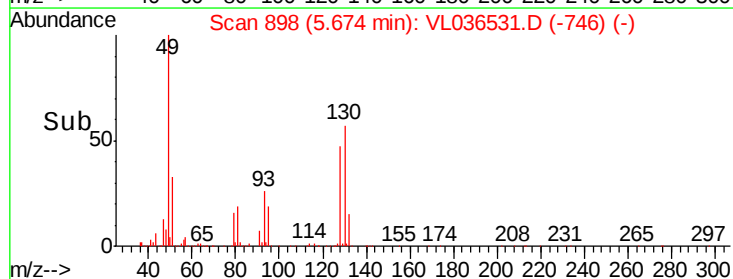
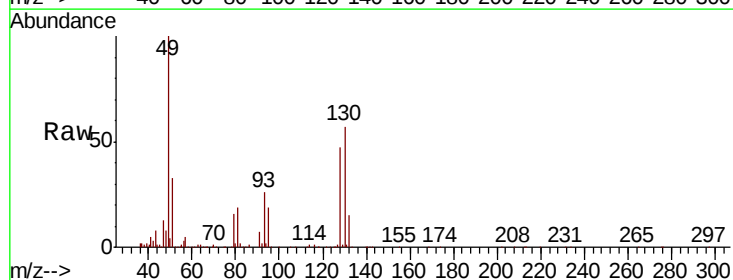
Instrument :
 MSVOA_L
 ClientSampleId :

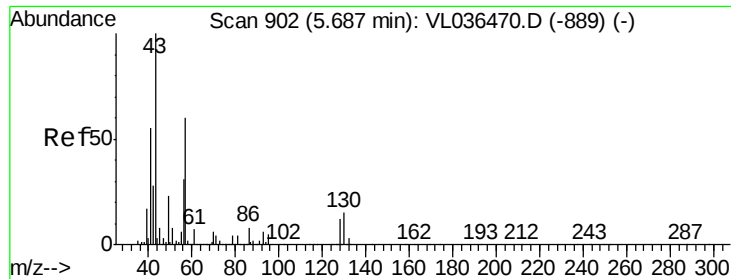
Tot Ion:	43	Resp:	4828
Ion	Ratio	Lower	Upper
43	100		
86	14.0	5.4	8.0#
42	5.0	8.5	12.7#
44	8.8	4.6	7.0#



#25
 Ethyl Acetate
 Concen: 0.089 ppbv
 RT: 5.67 min Scan# 898
 Delta R.T. -0.01 min
 Lab File: VL036531.D
 Acq: 27 Mar 2021 2:27

Tgt Ion:	43	Resp:	27429
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	0.0	7.4	11.2#
70	15.9	5.1	7.7#

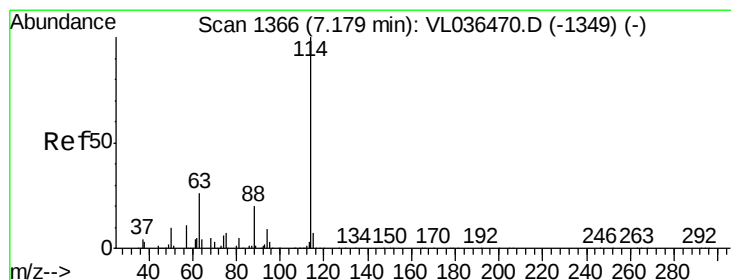
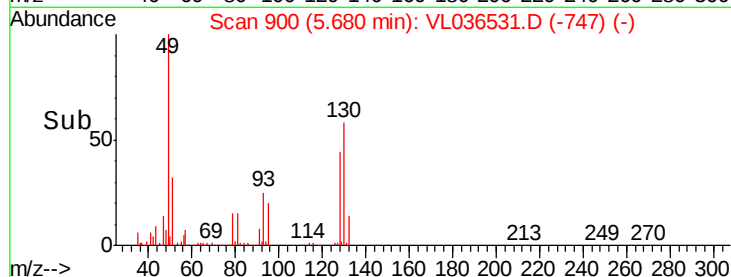
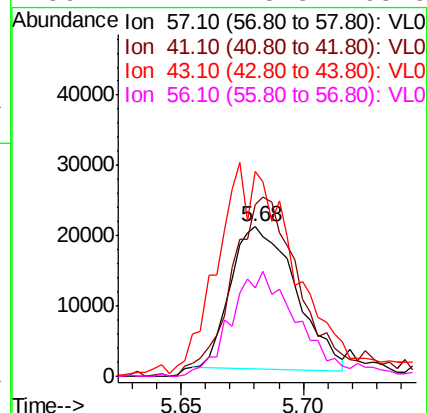
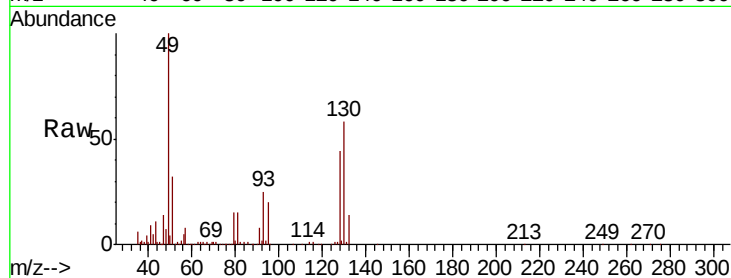




#26
Hexane
Concen: 0.263 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL036531.D
Acq: 27 Mar 2021 2:27

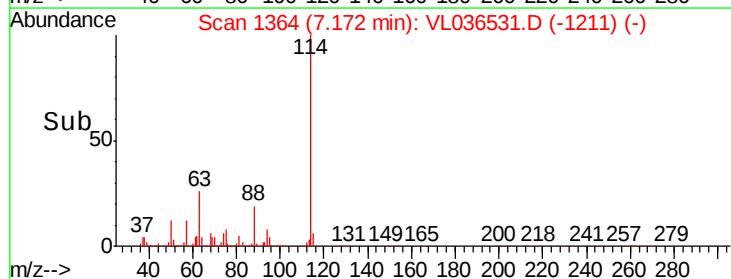
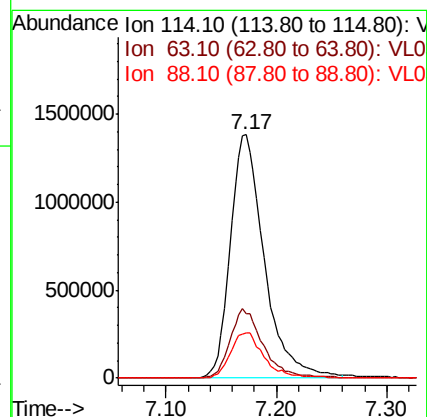
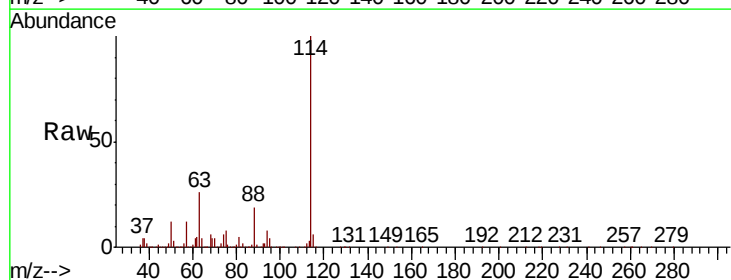
Instrument :
MSVOA_L
ClientSampled :

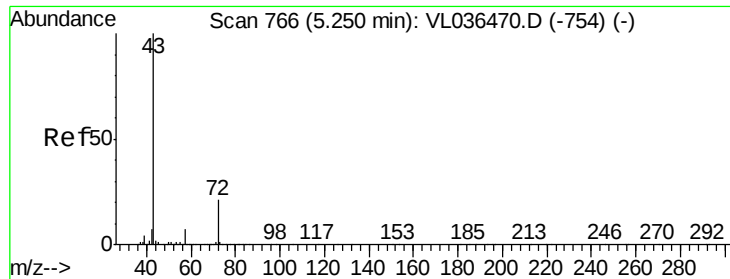
Tot Ion: 57 Resp: 37357
Ion Ratio Lower Upper
57 100
41 145.3 77.2 115.8#
43 195.9 173.8 260.6
56 77.4 43.8 65.6#



#33
1,4-Difluorobenzene
Concen: 10.000 ppbv
RT: 7.17 min Scan# 1364
Delta R.T. -0.01 min
Lab File: VL036531.D
Acq: 27 Mar 2021 2:27

Tgt Ion: 114 Resp: 2953173
Ion Ratio Lower Upper
114 100
63 28.2 22.4 33.6
88 18.9 15.4 23.0

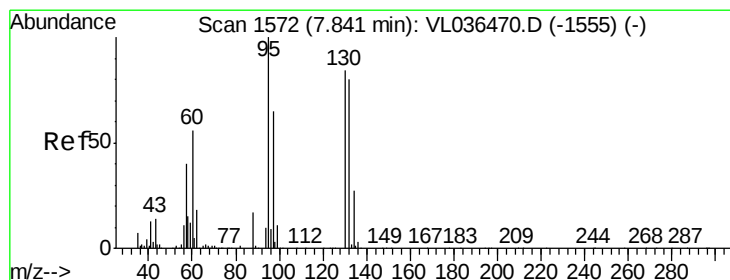
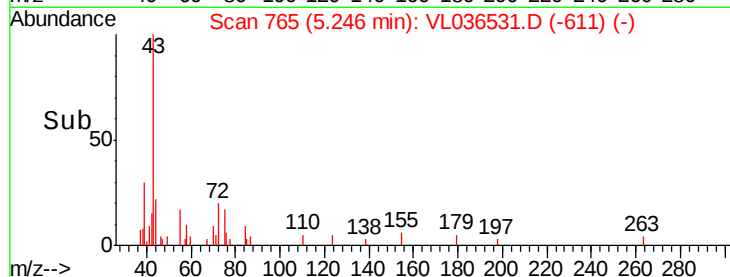
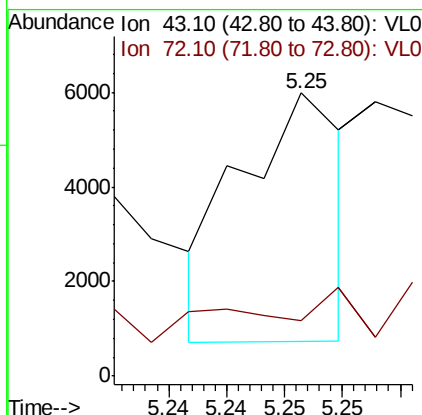
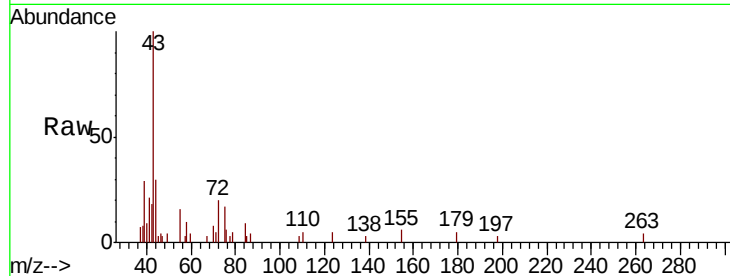




#34
2-Butanone
Concen: 0.023 ppbv
RT: 5.25 min Scan# 765
Delta R.T. -0.00 min
Lab File: VL036531.D
Acq: 27 Mar 2021 2:27

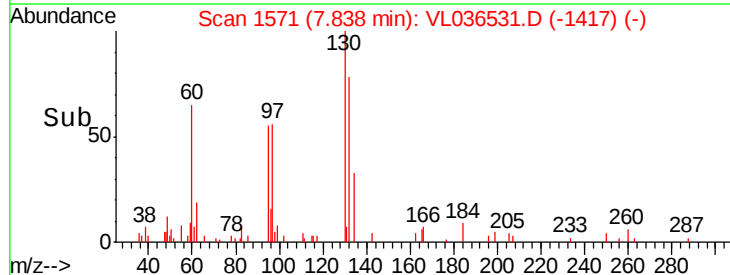
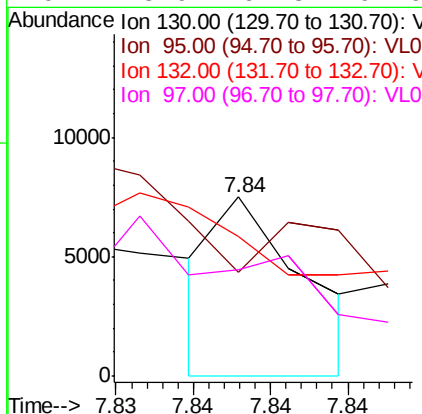
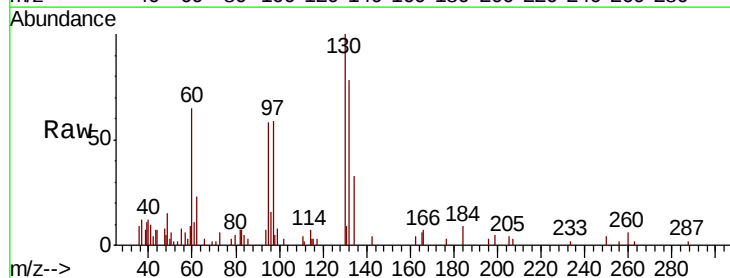
Instrument :
MSVOA_L
ClientSampleId :

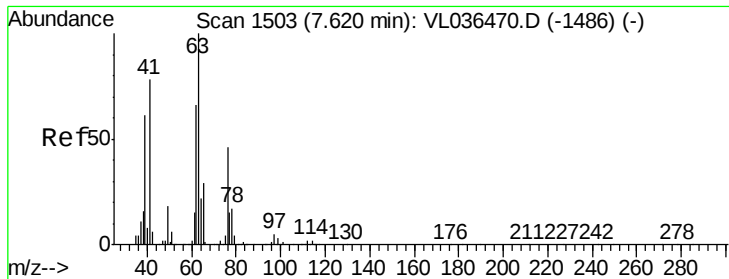
Tot Ion: 43 Resp: 3252
Ion Ratio Lower Upper
43 100
72 0.0 17.0 25.6#



#38
Trichloroethene
Concen: 0.028 ppbv
RT: 7.84 min Scan# 1571
Delta R.T. -0.00 min
Lab File: VL036531.D
Acq: 27 Mar 2021 2:27

Tgt Ion:130 Resp: 2982
Ion Ratio Lower Upper
130 100
95 0.0 95.7 143.5#
132 39.4 76.2 114.4#
97 45.9 61.8 92.6#

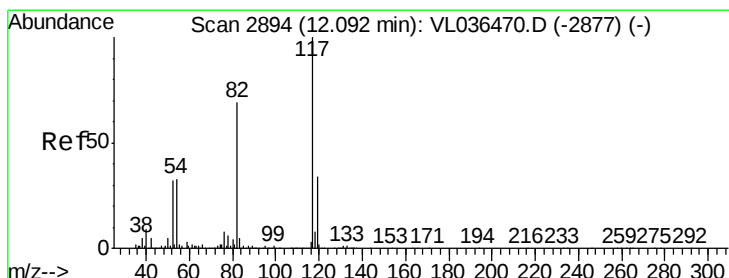
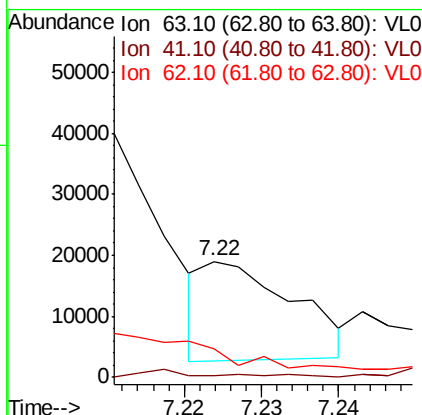
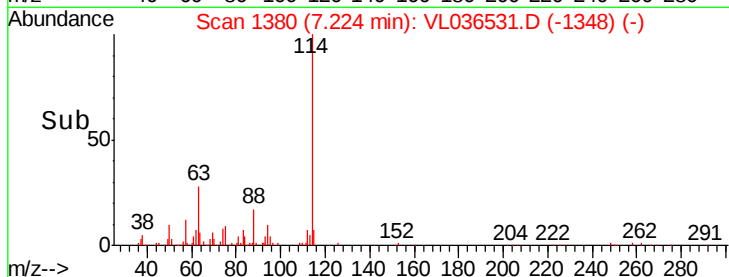
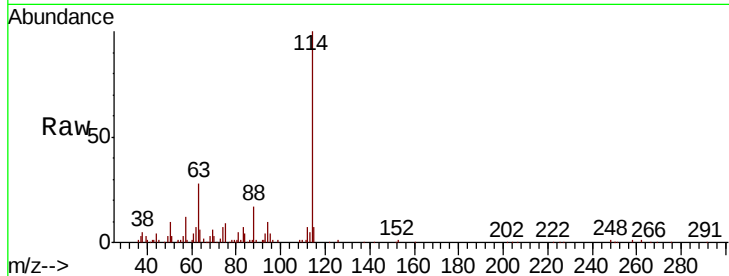




#39
 1,2-Dichloropropane
 Concen: 0.118 ppbv
 RT: 7.22 min Scan# 1380
 Delta R.T. -0.40 min
 Lab File: VL036531.D
 Acq: 27 Mar 2021 2:27

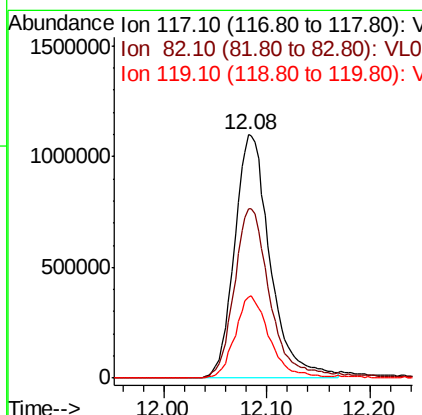
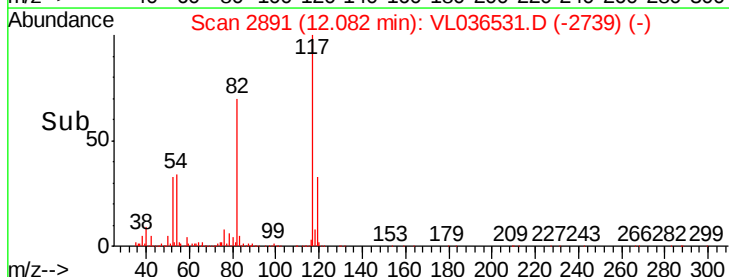
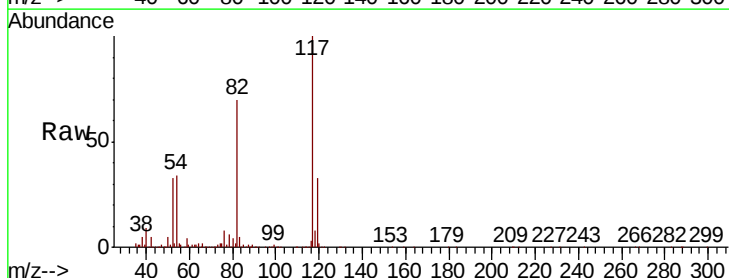
Instrument :
 MSVOA_L
 ClientSampleId :

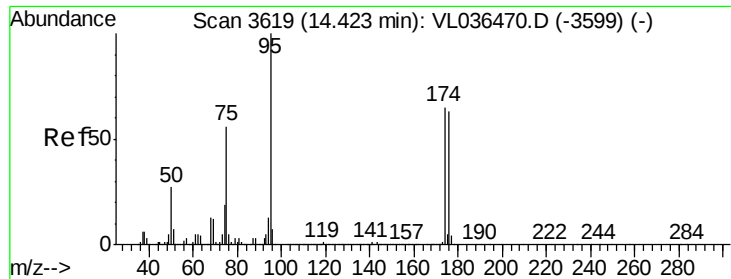
Tot Ion	Ratio	Lower	Upper
63	100		
41	2.8	62.4	93.6#
62	26.8	52.8	79.2#



#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.08 min Scan# 2891
 Delta R.T. -0.01 min
 Lab File: VL036531.D
 Acq: 27 Mar 2021 2:27

Tgt Ion	Ratio	Lower	Upper
117	100		
82	71.4	57.4	86.0
119	33.6	47.4	71.0#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.669 ppbv

RT: 14.42 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL036531.D

Acq: 27 Mar 2021 2:27

Instrument :

MSVOA_L

ClientSampleId :

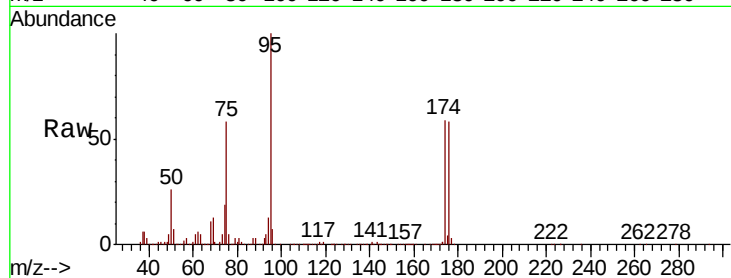
Tot Ion: 95 Resp: 2041827

Ion Ratio Lower Upper

95 100

174 63.6 51.0 76.6

175 4.7 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

