

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033121\
 Data File : VL036595.D
 Acq On : 31 Mar 2021 10:19
 Operator : SY/AP
 Sample : M1797-05 4X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 01 04:24:42 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	1721718	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.17	114	4173559	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.08	117	3656471	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.41	95	2890704	9.92	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

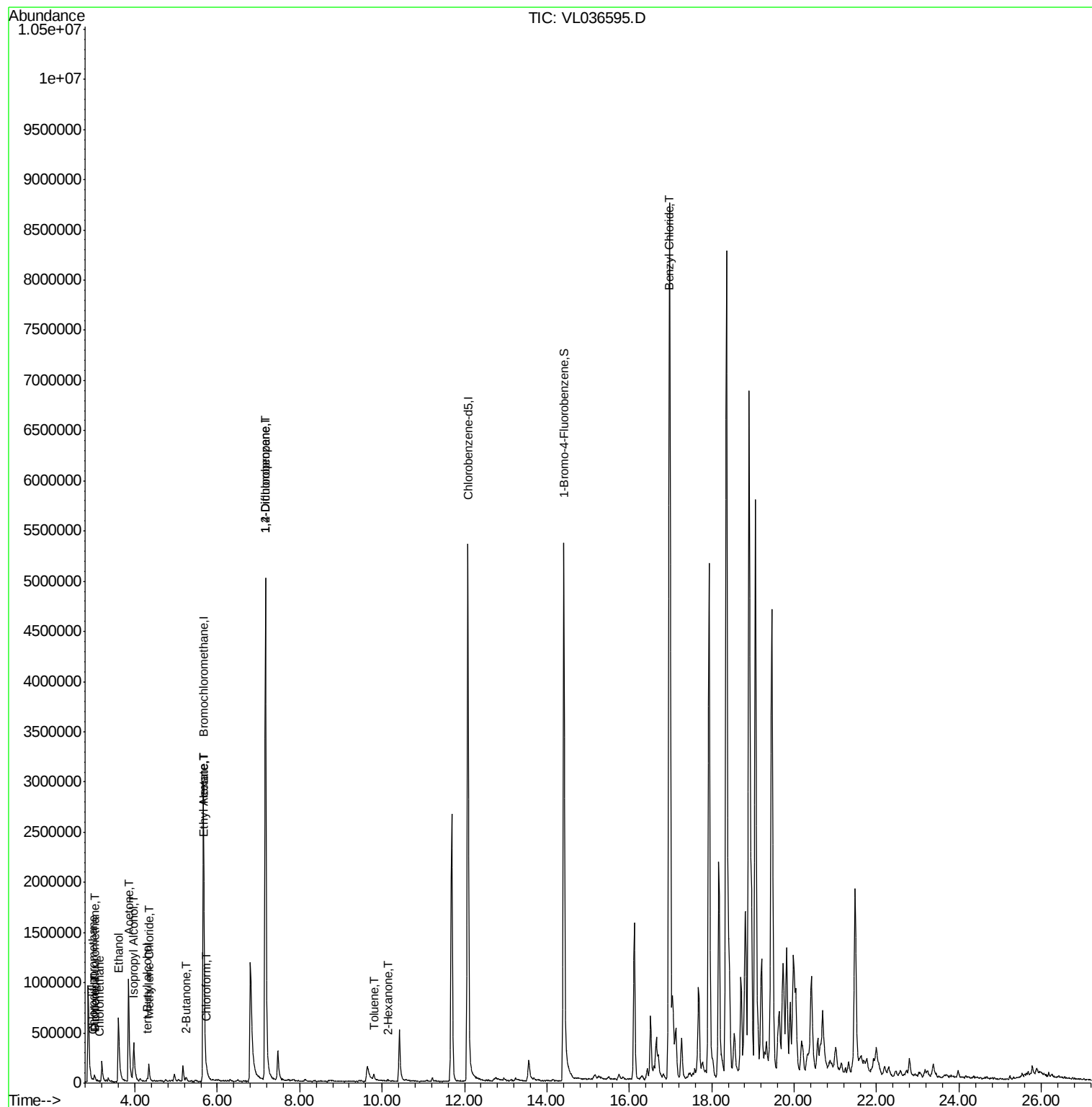
Target Compounds					Ovalue
2) Dichlorodifluoromethane	3.04	85	6978	0.025	ppbv 94
3) Chlorodifluoromethane	2.98	51	37396	0.116	ppbv # 84
4) Chloromethane	3.13	50	3566	0.031	ppbv # 84
9) Propene	3.02	41	11347	0.111	ppbv # 56
13) Ethanol	3.60	45	921047	75.421	ppbv 92
15) Acetone	3.84	43	1327147	7.832	ppbv 98
17) tert-Butyl alcohol	4.29	59	10706	0.073	ppbv # 1
19) Isopropyl Alcohol	3.97	45	479674	5.146	ppbv # 97
20) Methylene Chloride	4.34	84	62892	0.793	ppbv 89
25) Ethyl Acetate	5.68	43	38950	0.097	ppbv # 80
26) Hexane	5.68	57	54078	0.289	ppbv # 44
29) Chloroform	5.74	83	15686	0.052	ppbv 88
34) 2-Butanone	5.24	43	10312	0.051	ppbv # 1
39) 1,2-Dichloropropane	7.17	63	1123746	7.197	ppbv # 24
51) 2-Hexanone	10.14	43	3908	0.026	ppbv # 30
53) Toluene	9.80	91	33409	0.082	ppbv # 82
66) Benzyl Chloride	16.98	91	2060	0.036	ppbv # 51

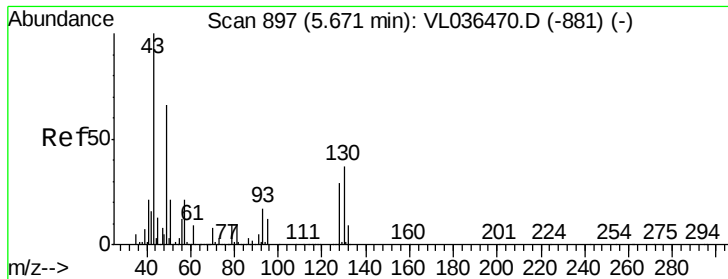
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL033121\
Data File : VL036595.D
Acq On : 31 Mar 2021 10:19
Operator : SY/AP
Sample : M1797-05 4X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :

Quant Time: Apr 01 04:24:42 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

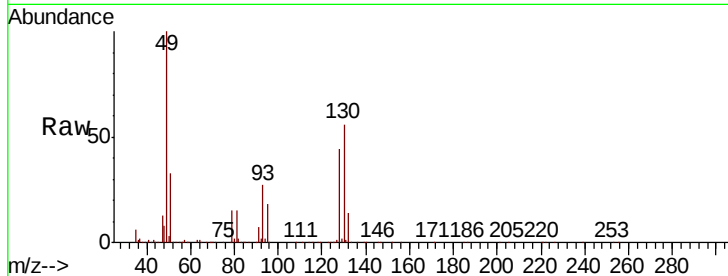
Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 49 Resp: 1721718

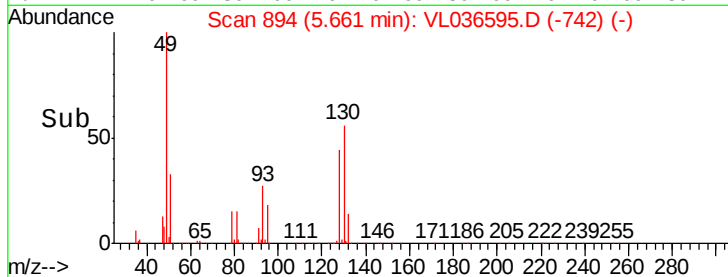
Ion	Ratio	Lower	Upper
49	100		
128	46.3	23.5	70.6
130	57.2	29.1	87.4



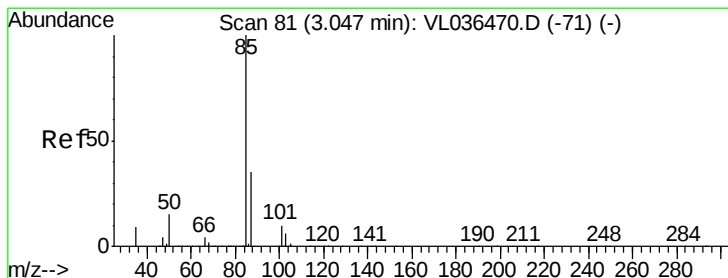
Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



Time-->



#2

Dichlorodifluoromethane

Concen: 0.025 ppbv

RT: 3.04 min Scan# 78

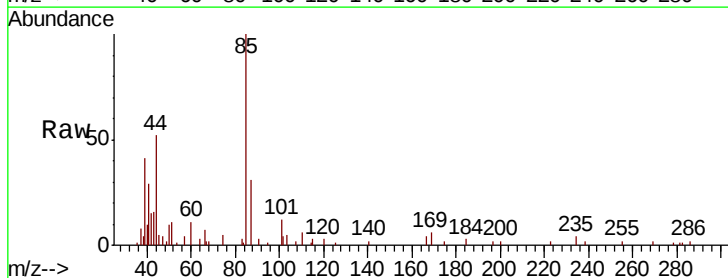
Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

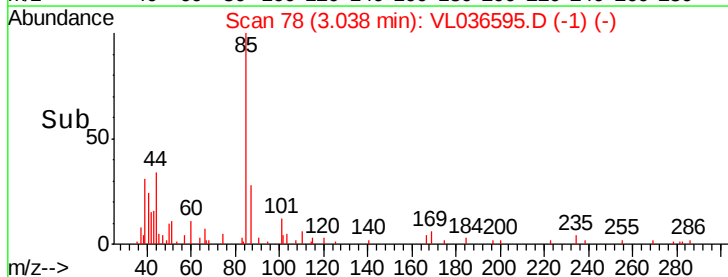
Tgt Ion: 85 Resp: 6978

Ion	Ratio	Lower	Upper
85	100		
87	31.1	27.8	41.8

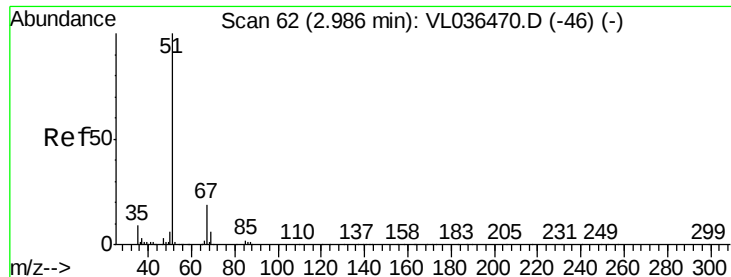


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0



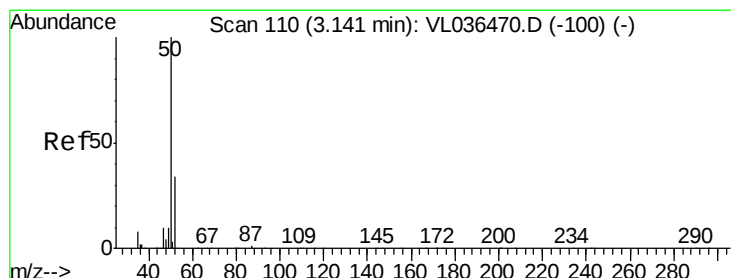
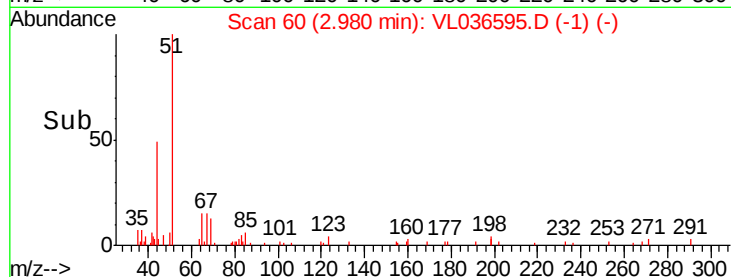
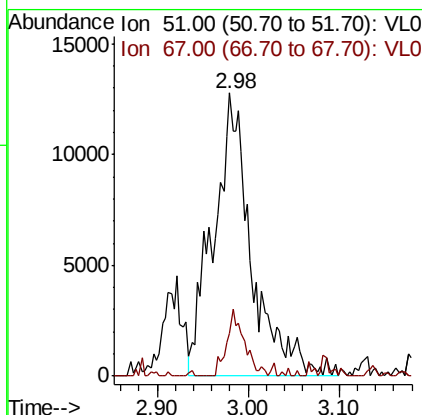
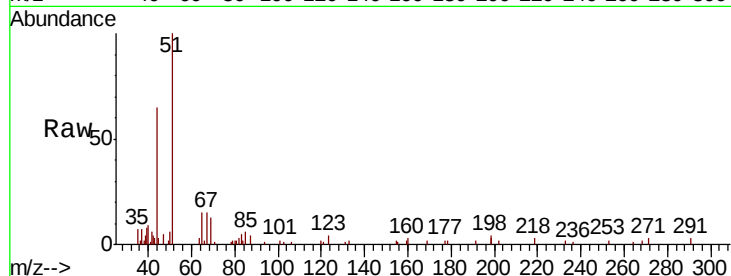
Time-->



#3
Chlorodifluoromethane
Concen: 0.116 ppbv
RT: 2.98 min Scan# 60
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

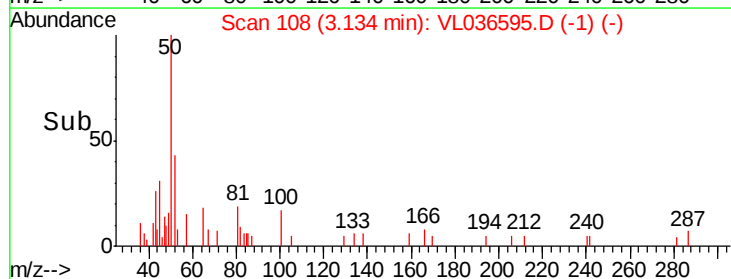
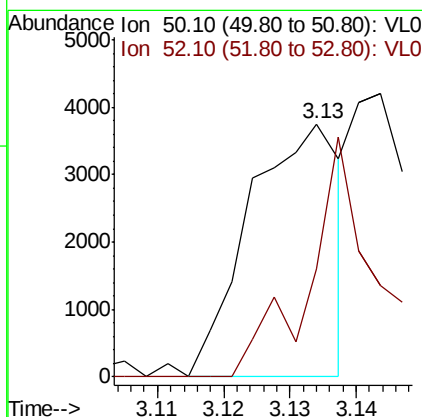
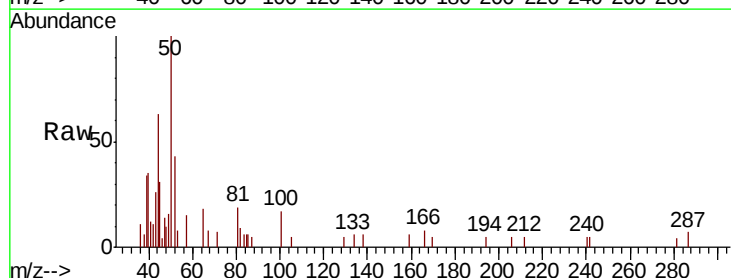
Instrument :
MSVOA_L
ClientSampled :

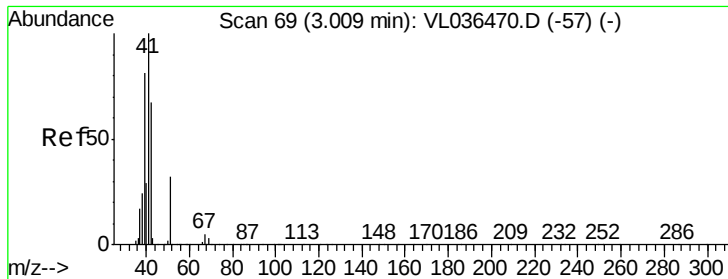
Tot Ion: 51 Resp: 37396
Ion Ratio Lower Upper
51 100
67 11.3 14.7 22.1#



#4
Chloromethane
Concen: 0.031 ppbv
RT: 3.13 min Scan# 108
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion: 50 Resp: 3566
Ion Ratio Lower Upper
50 100
52 42.7 27.0 40.6#





#9

Propene

Concen: 0.111 ppbv

RT: 3.02 min Scan# 71

Delta R.T. 0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :

MSVOA_L

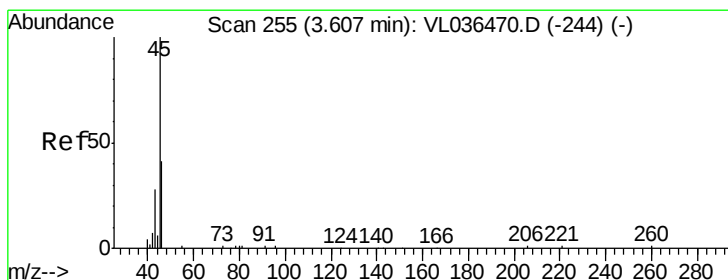
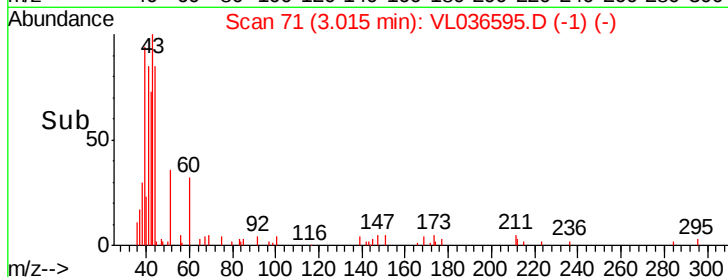
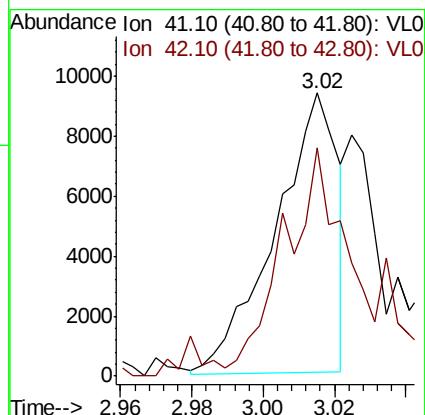
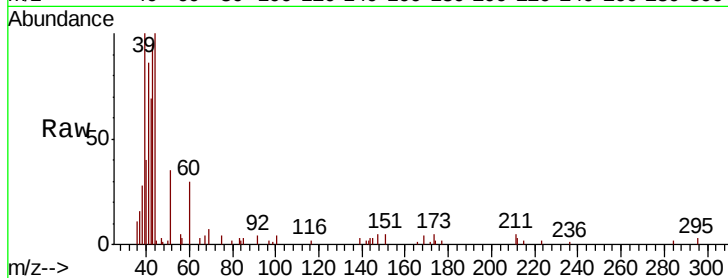
ClientSampleId :

Tot Ion: 41 Resp: 11347

Ion Ratio Lower Upper

41 100

42 108.0 57.0 85.4#



#13

Ethanol

Concen: 75.421 ppbv

RT: 3.60 min Scan# 253

Delta R.T. -0.01 min

Lab File: VL036595.D

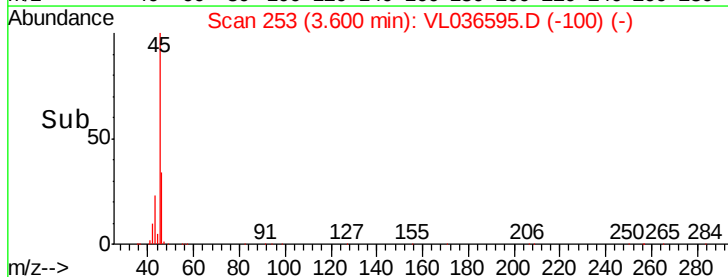
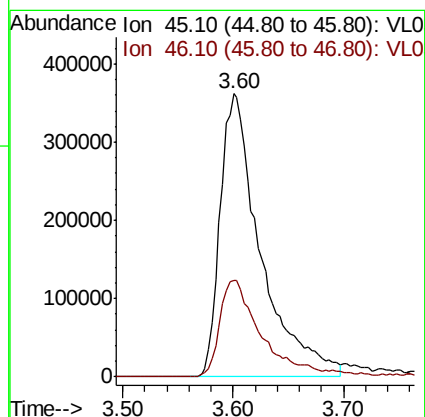
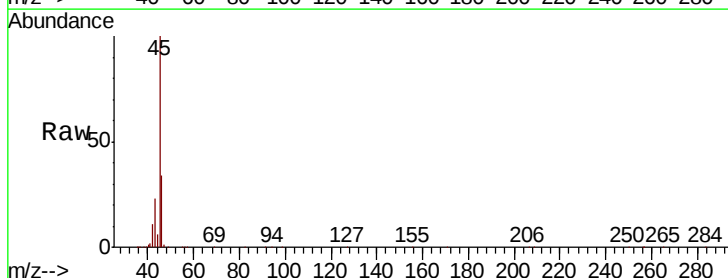
Acq: 31 Mar 2021 10:19

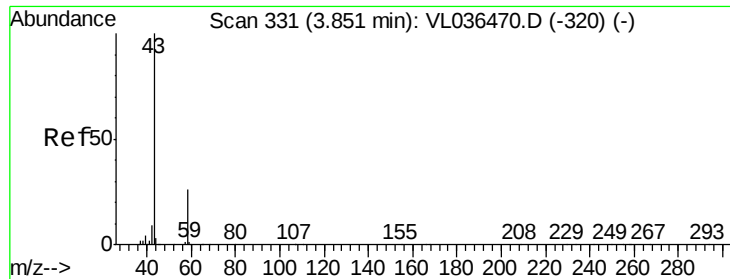
Tgt Ion: 45 Resp: 921047

Ion Ratio Lower Upper

45 100

46 36.2 16.6 66.2





#15

Acetone

Concen: 7.832 ppbv

RT: 3.84 min Scan# 329

Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

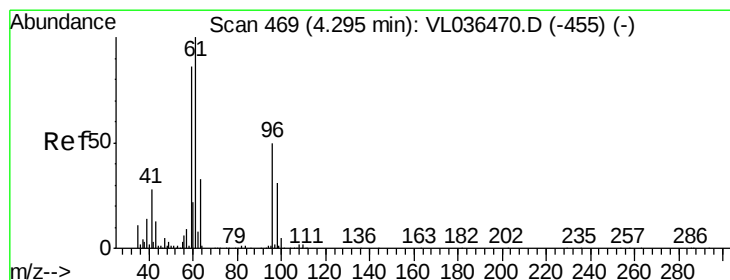
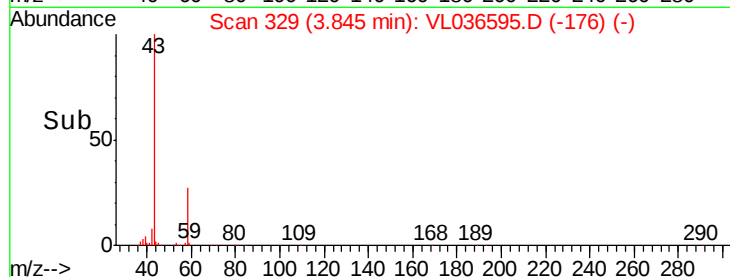
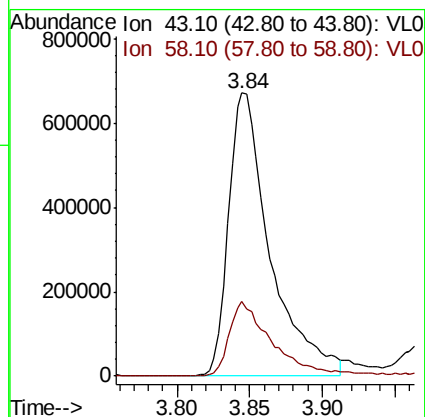
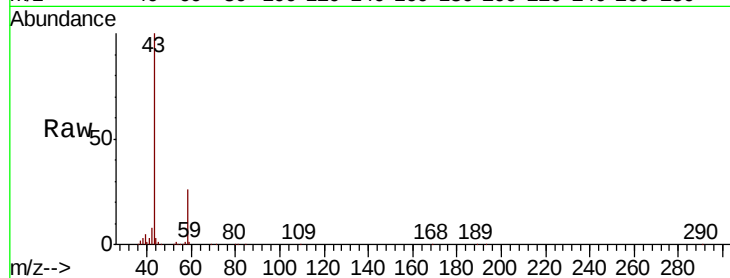
Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 1327147

Ion Ratio Lower Upper

43 100

58 27.8 21.2 31.8



#17

tert-Butyl alcohol

Concen: 0.073 ppbv

RT: 4.29 min Scan# 469

Delta R.T. -0.00 min

Lab File: VL036595.D

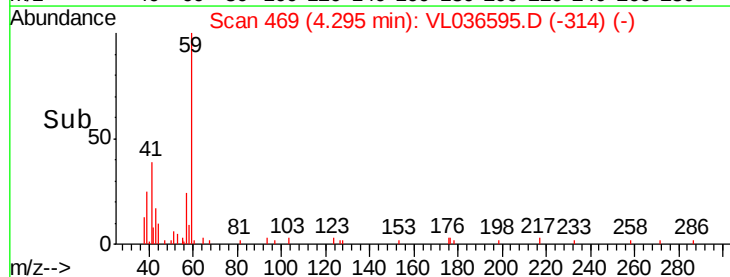
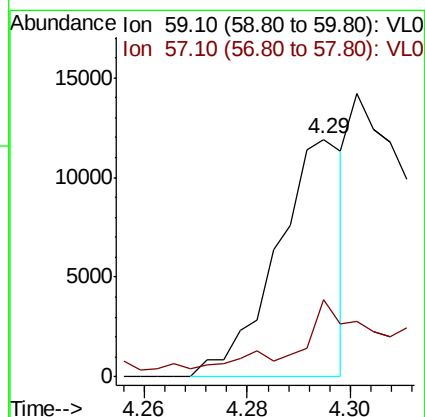
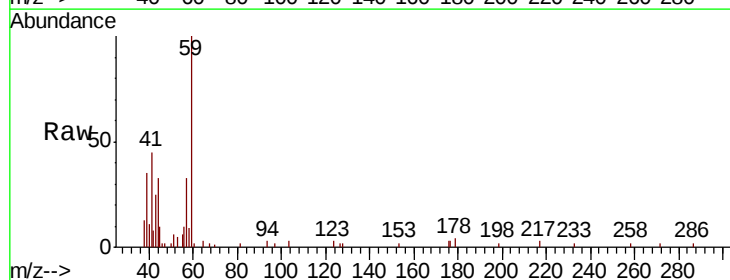
Acq: 31 Mar 2021 10:19

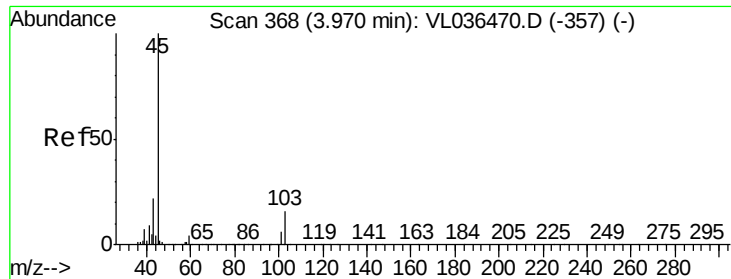
Tgt Ion: 59 Resp: 10706

Ion Ratio Lower Upper

59 100

57 76.5 8.6 12.8#





#19

Isopropyl Alcohol

Concen: 5.146 ppbv

RT: 3.97 min Scan# 367

Delta R.T. -0.00 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :

MSVOA_L

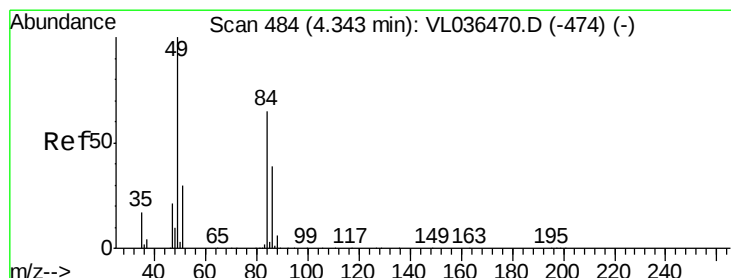
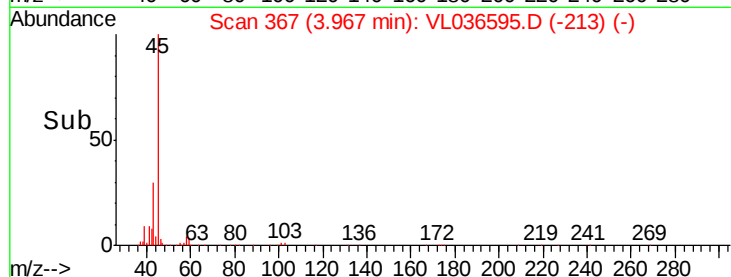
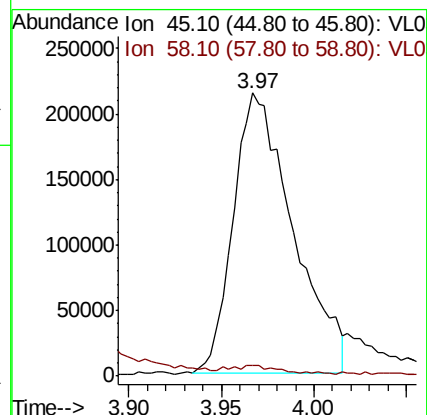
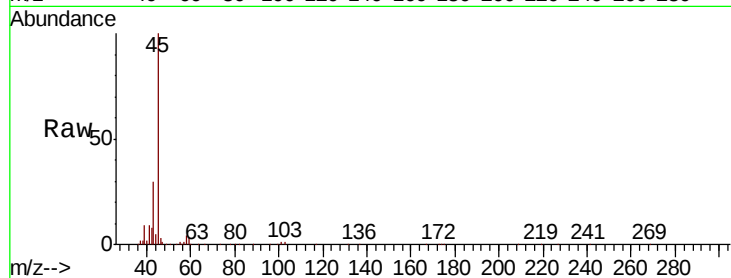
ClientSampleId :

Tot Ion: 45 Resp: 479674

Ion Ratio Lower Upper

45 100

58 2.8 2.9 4.3#



#20

Methylene Chloride

Concen: 0.793 ppbv

RT: 4.34 min Scan# 483

Delta R.T. -0.00 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Tgt Ion: 84 Resp: 62892

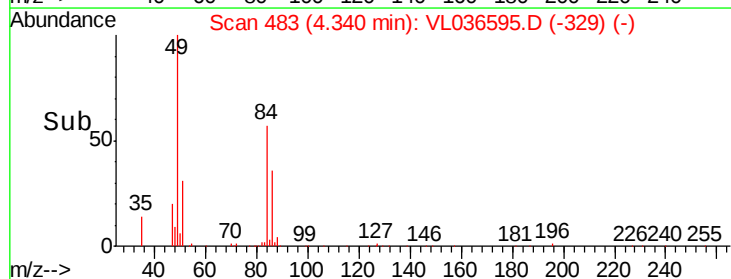
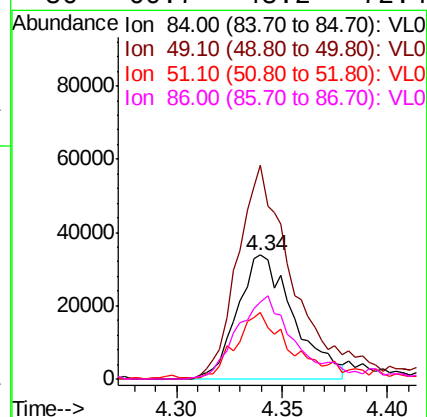
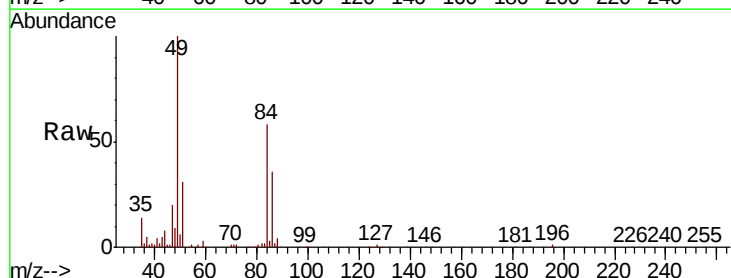
Ion Ratio Lower Upper

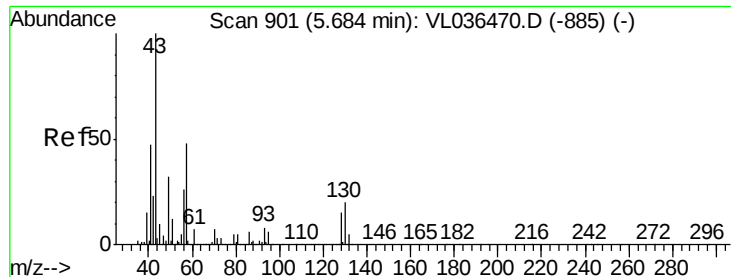
84 100

49 172.6 122.9 184.3

51 52.5 36.9 55.3

86 60.7 48.2 72.4





#25

Ethyl Acetate

Concen: 0.097 ppbv

RT: 5.68 min Scan# 901

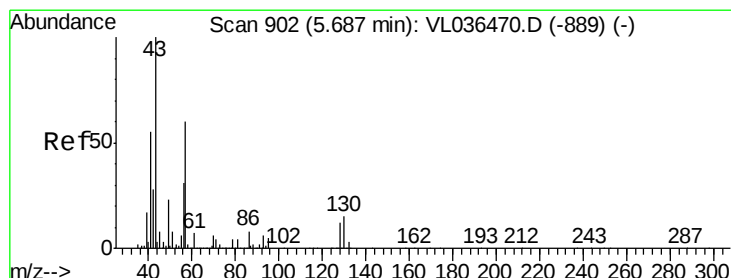
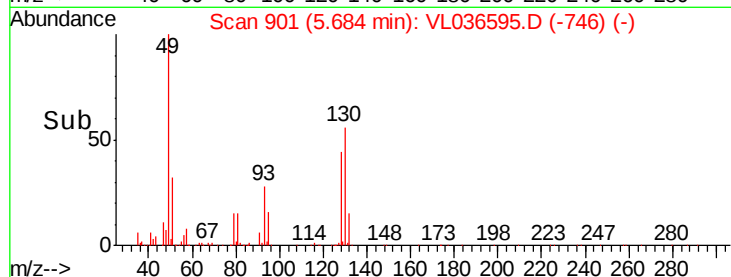
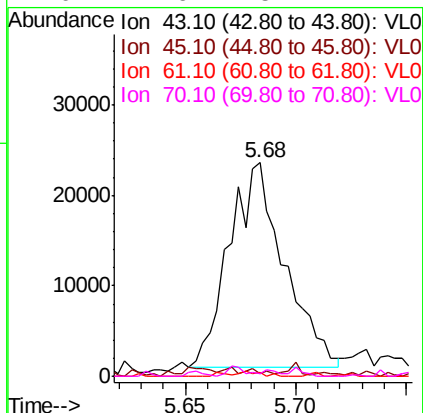
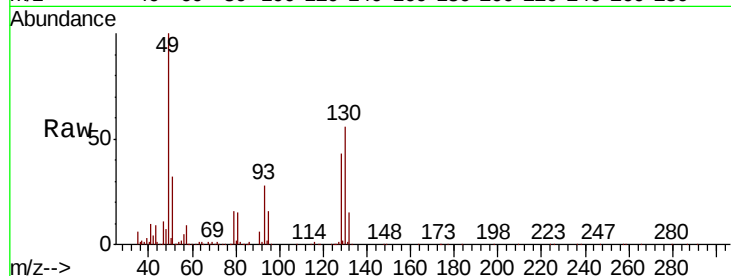
Delta R.T. -0.00 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:	43	Resp:	38950
Ion	Ratio	Lower	Upper
43	100		
45	0.0	7.9	11.9#
61	1.4	7.4	11.2#
70	4.6	5.1	7.7#



#26

Hexane

Concen: 0.289 ppbv

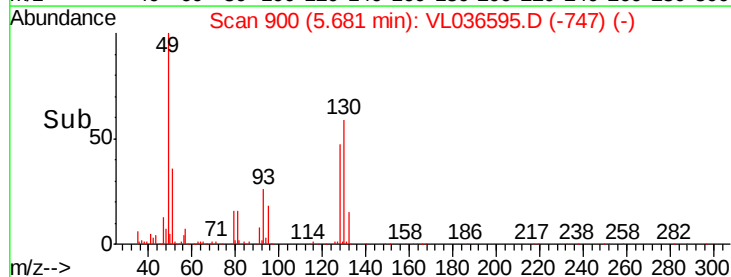
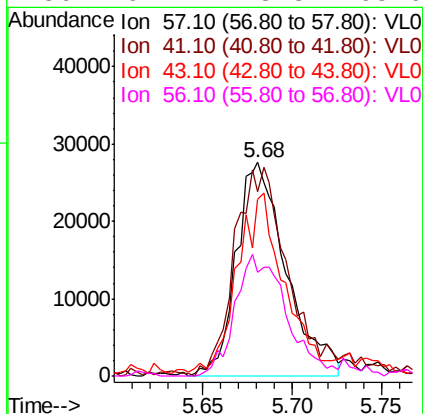
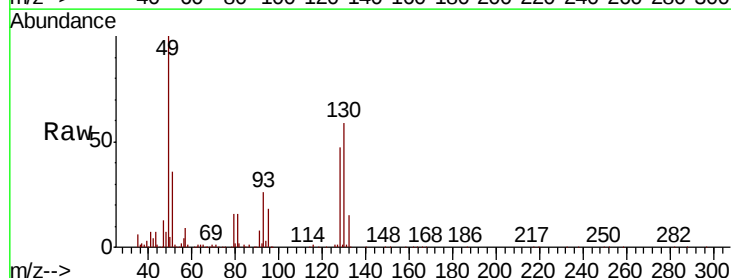
RT: 5.68 min Scan# 900

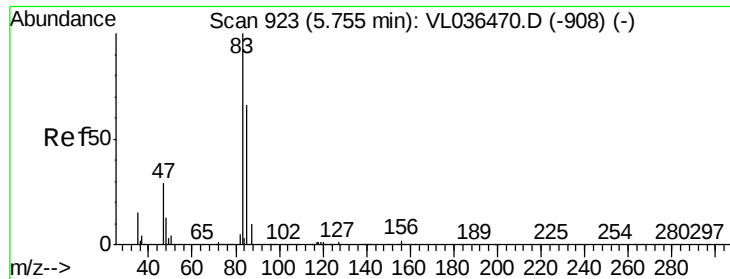
Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Tgt Ion:	57	Resp:	54078
Ion	Ratio	Lower	Upper
57	100		
41	115.4	77.2	115.8
43	84.5	173.8	260.6#
56	61.7	43.8	65.6





#29

Chloroform

Concen: 0.052 ppbv

RT: 5.74 min Scan# 920

Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :

MSVOA_L

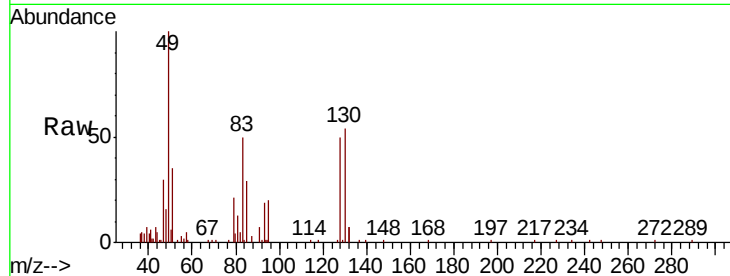
ClientSampleId :

Tot Ion: 83 Resp: 15686

Ion Ratio Lower Upper

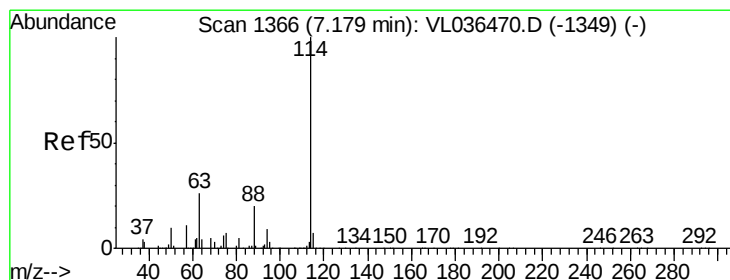
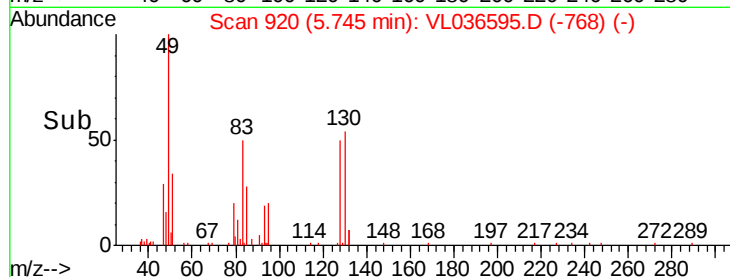
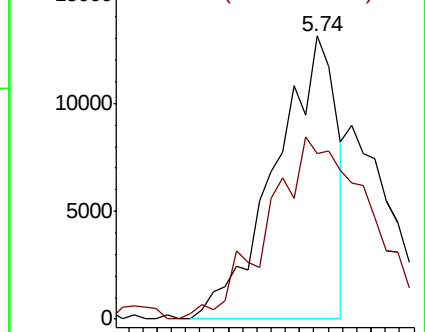
83 100

85 56.5 52.6 78.8



Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.17 min Scan# 1363

Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

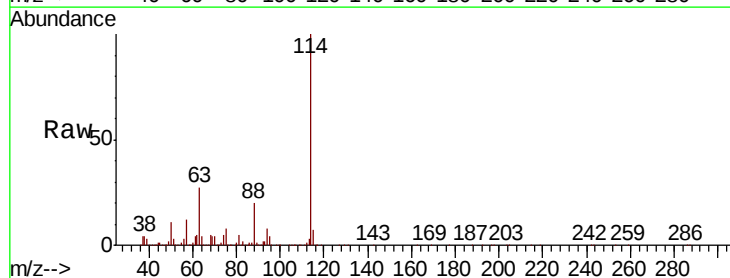
Tgt Ion: 114 Resp: 4173559

Ion Ratio Lower Upper

114 100

63 27.4 22.4 33.6

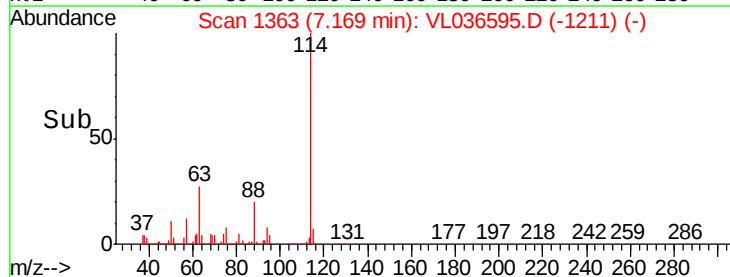
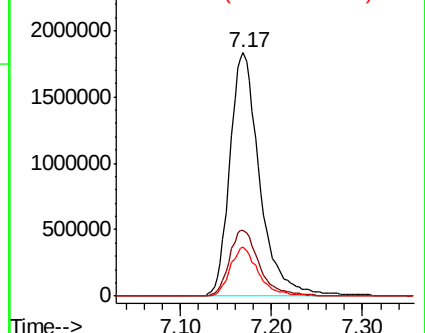
88 19.4 15.4 23.0

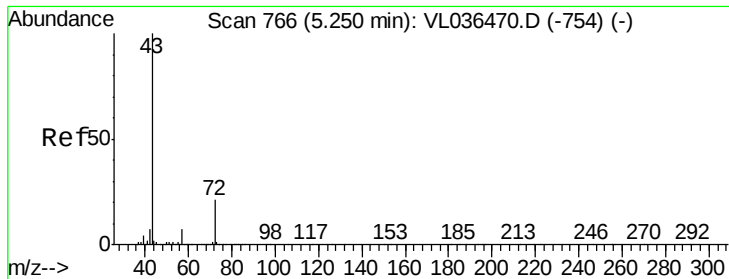


Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 0.051 ppbv

RT: 5.24 min Scan# 764

Delta R.T. -0.01 min

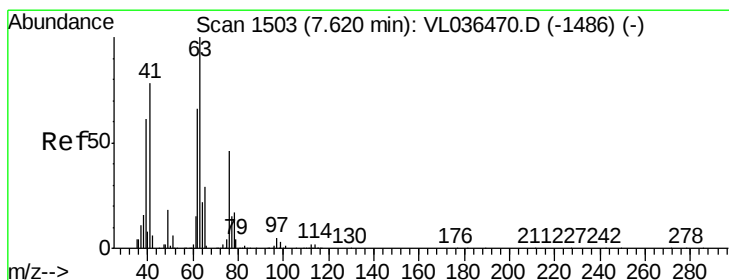
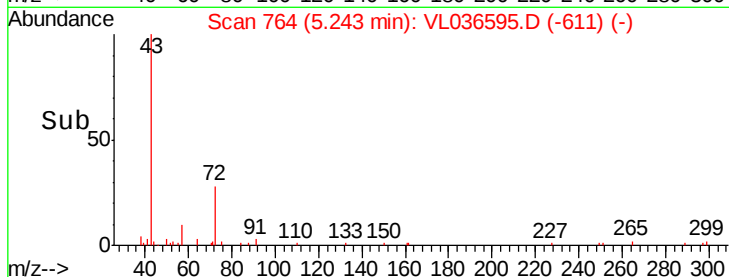
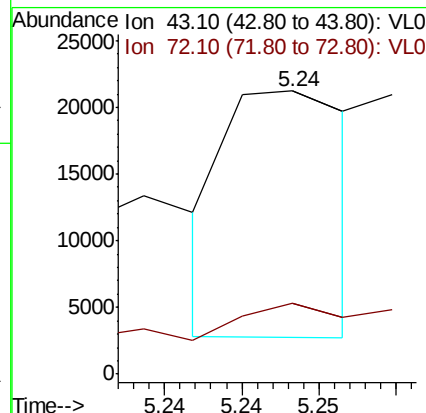
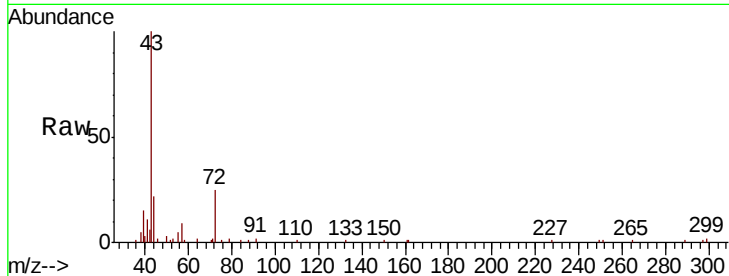
Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion: 43 Resp: 10312

Ion	Ratio	Lower	Upper
43	100		
72	117.7	17.0	25.6#



#39

1,2-Dichloropropane

Concen: 7.197 ppbv

RT: 7.17 min Scan# 1363

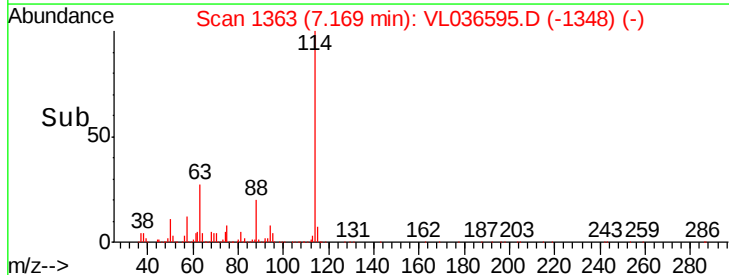
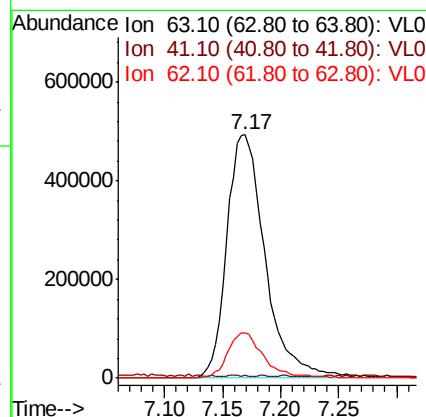
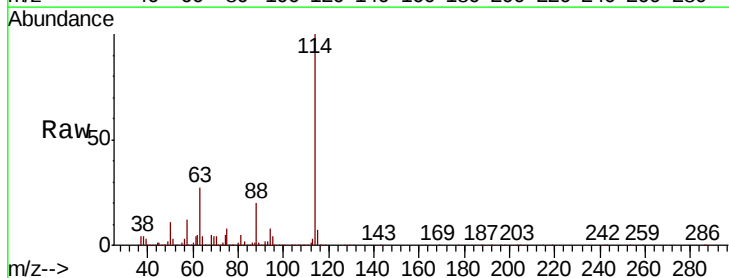
Delta R.T. -0.45 min

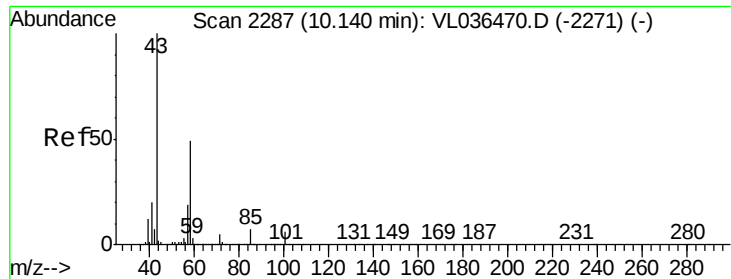
Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Tgt Ion: 63 Resp: 1123746

Ion	Ratio	Lower	Upper
63	100		
41	0.5	62.4	93.6#
62	18.5	52.8	79.2#

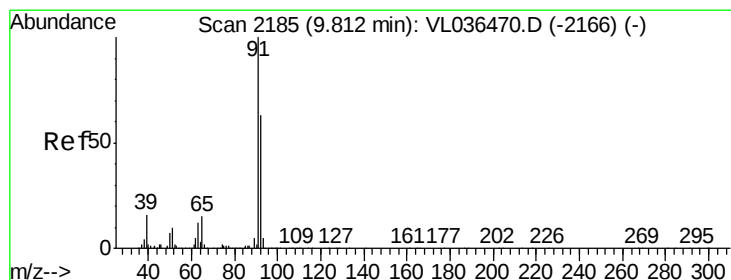
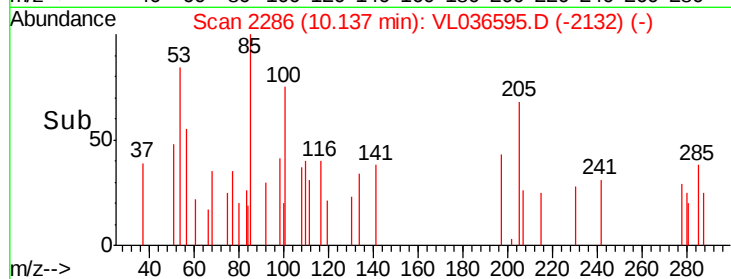
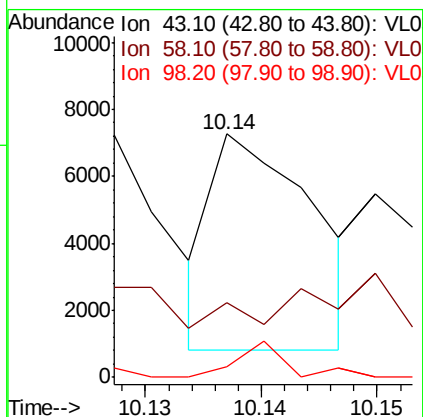
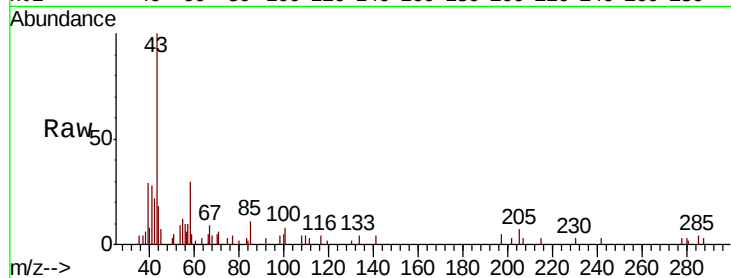




#51
2-Hexanone
Concen: 0.026 ppbv
RT: 10.14 min Scan# 2286
Delta R.T. -0.00 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

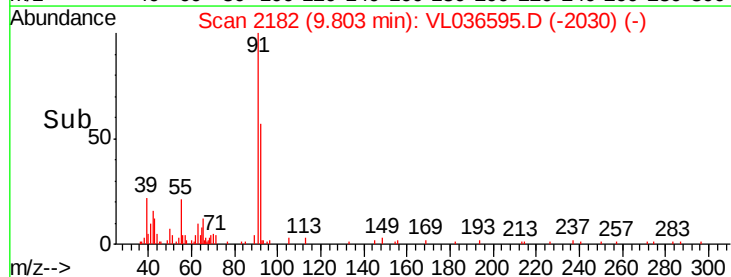
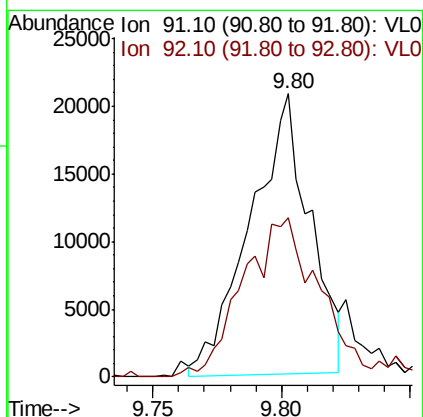
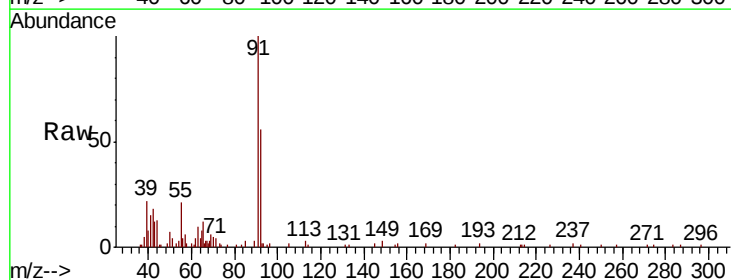
Instrument :
MSVOA_L
ClientSampleId :

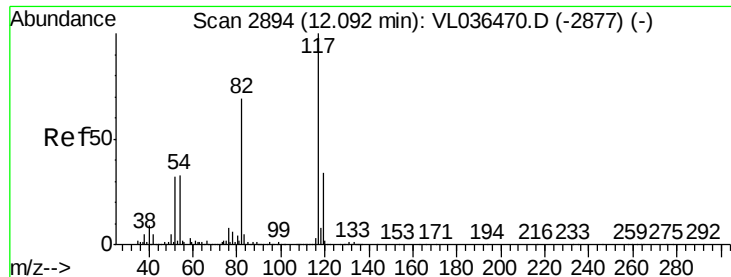
Tot Ion: 43 Resp: 3908
Ion Ratio Lower Upper
43 100
58 0.0 37.7 56.5#
98 17.0 0.2 0.2#



#53
Toluene
Concen: 0.082 ppbv
RT: 9.80 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion: 91 Resp: 33409
Ion Ratio Lower Upper
91 100
92 74.6 48.8 73.2#

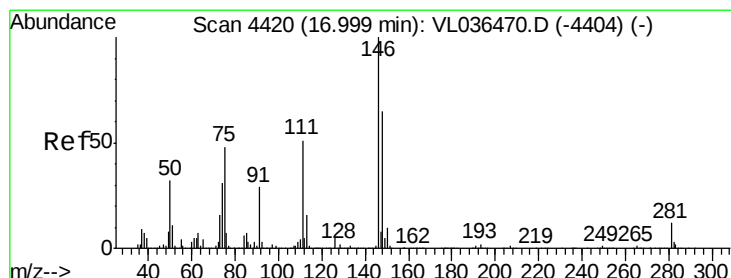
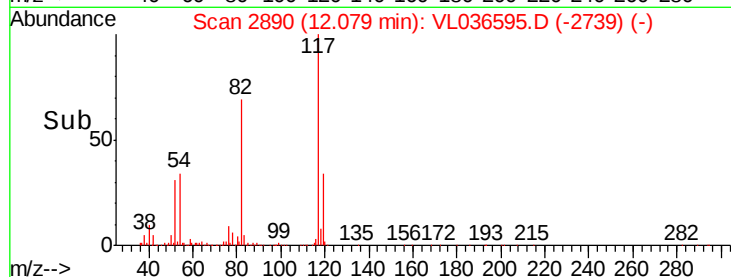
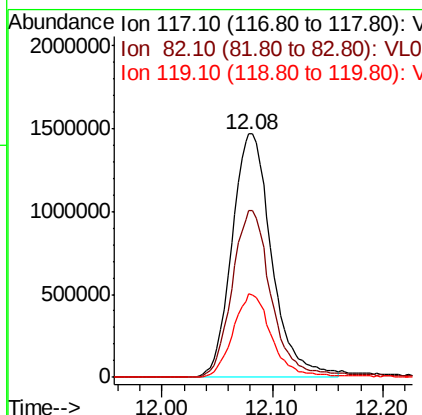
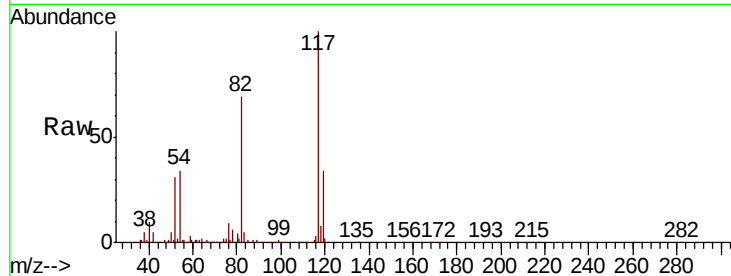




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.01 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

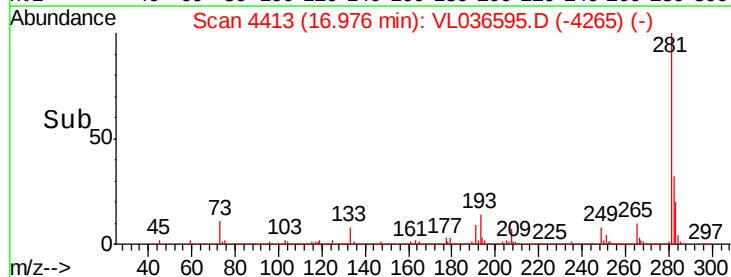
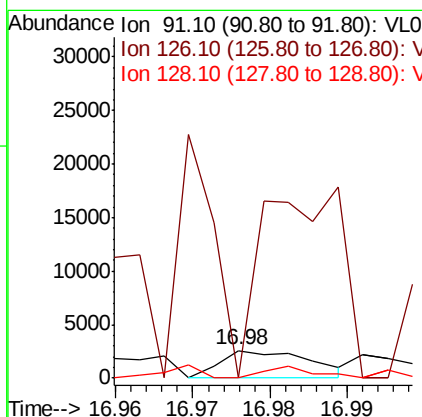
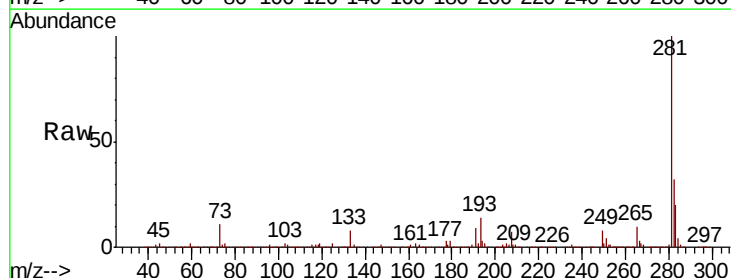
Instrument :
MSVOA_L
ClientSampleId :

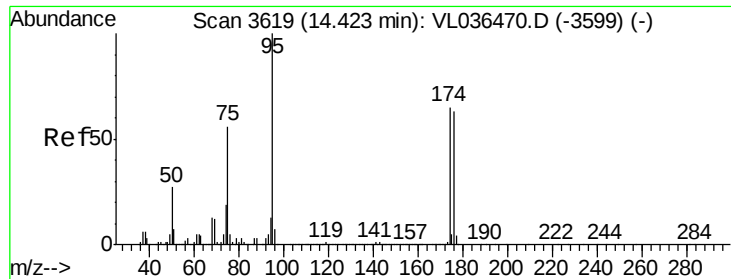
Tot Ion:117 Resp: 3656471
Ion Ratio Lower Upper
117 100
82 69.7 57.4 86.0
119 33.8 47.4 71.0#



#66
Benzyl Chloride
Concen: 0.036 ppbv
RT: 16.98 min Scan# 4413
Delta R.T. -0.02 min
Lab File: VL036595.D
Acq: 31 Mar 2021 10:19

Tgt Ion: 91 Resp: 2060
Ion Ratio Lower Upper
91 100
126 0.0 13.5 20.3#
128 32.4 4.2 6.4#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.919 ppbv

RT: 14.41 min Scan# 3615

Delta R.T. -0.01 min

Lab File: VL036595.D

Acq: 31 Mar 2021 10:19

Instrument :

MSVOA_L

ClientSampleId :

Tot Ion: 95 Resp: 2890704

Ion Ratio Lower Upper

95 100

174 65.3 51.0 76.6

175 4.7 3.9 5.9

