

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL033021\
 Data File : VL036578.D
 Acq On : 30 Mar 2021 20:34
 Operator : SY/AP
 Sample : M1797-06DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Mar 31 05:17:09 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	1385067	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.16	114	3369243	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.07	117	3017820	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.40	95	2367074	9.84	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.40%

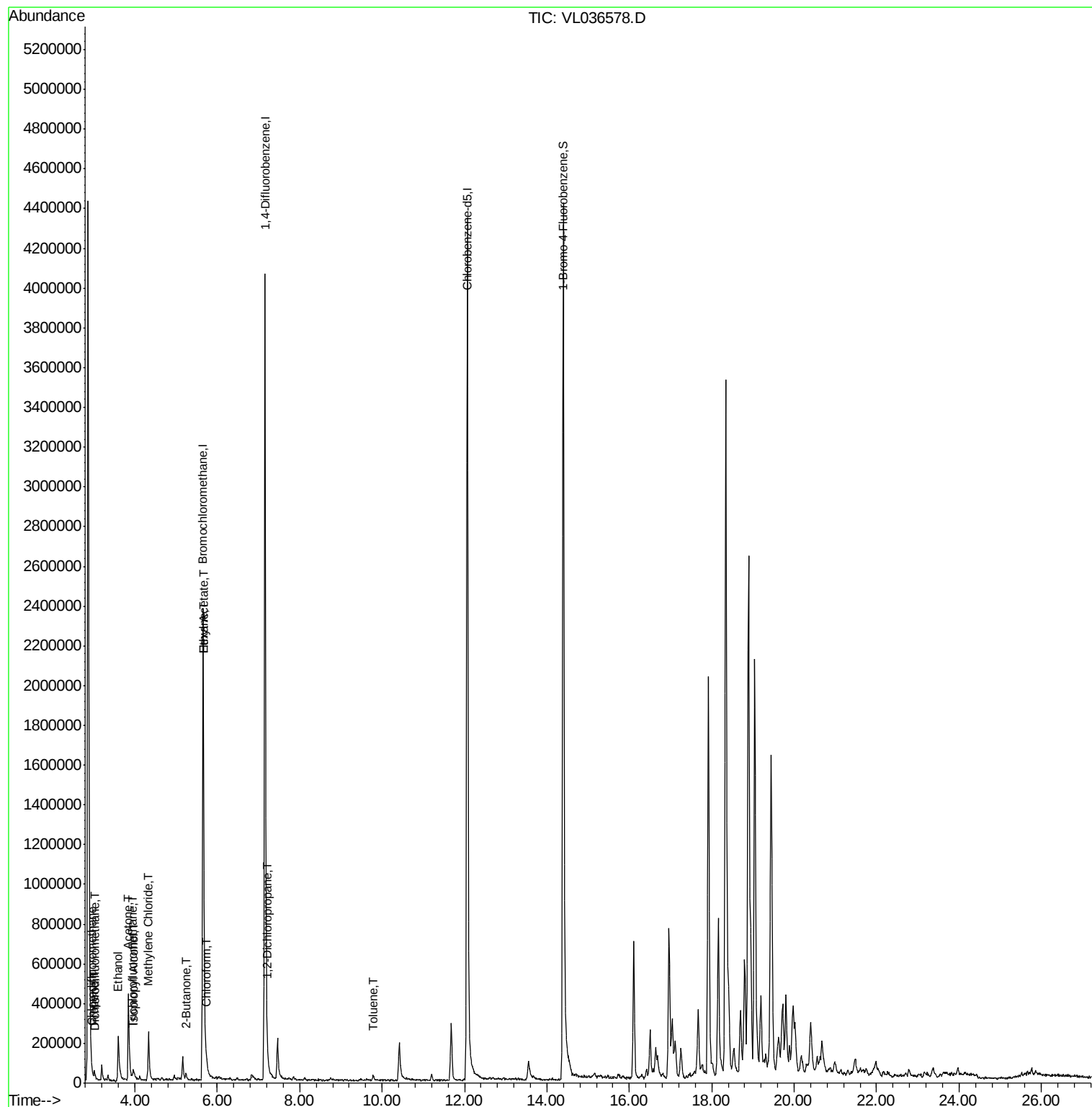
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.03	85	9558	0.042	ppbv #	85
3) Chlorodifluoromethane	2.97	51	13403	0.052	ppbv #	85
9) Propene	3.01	41	12765	0.155	ppbv	98
11) Trichlorofluoromethane	3.94	101	5088	0.022	ppbv #	77
13) Ethanol	3.59	45	286179	29.130	ppbv	98
15) Acetone	3.84	43	549175	4.028	ppbv	90
19) Isopropyl Alcohol	3.97	45	18110	0.241	ppbv #	89
20) Methylene Chloride	4.33	84	38815	0.608	ppbv	88
25) Ethyl Acetate	5.67	43	102899	0.317	ppbv #	78
26) Hexane	5.67	57	75935	0.505	ppbv #	40
29) Chloroform	5.74	83	21426	0.089	ppbv #	77
34) 2-Butanone	5.24	43	29948	0.182	ppbv #	56
39) 1,2-Dichloropropane	7.21	63	11139	0.088	ppbv #	26
53) Toluene	9.79	91	11966	0.036	ppbv #	64

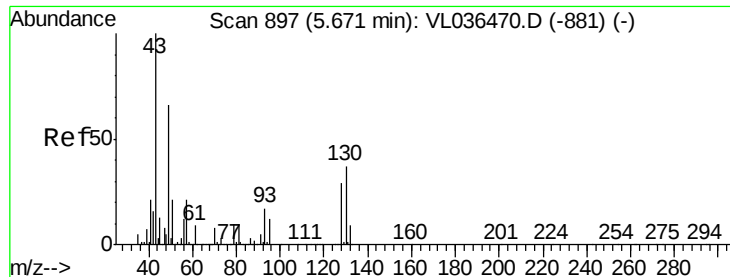
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VL036578.D

Acq: 30 Mar 2021 20:34

Instrument :

MSVOA_L

ClientSampleId :

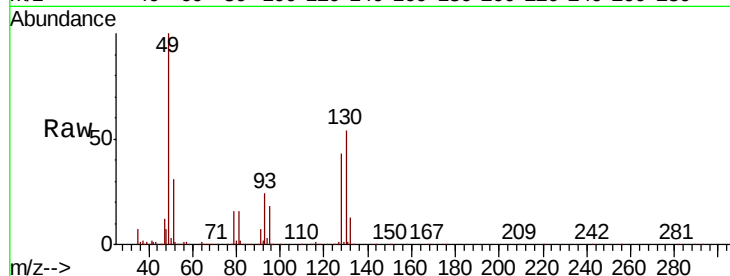
Tot Ion: 49 Resp: 1385067

Ion Ratio Lower Upper

49 100

128 46.8 23.5 70.6

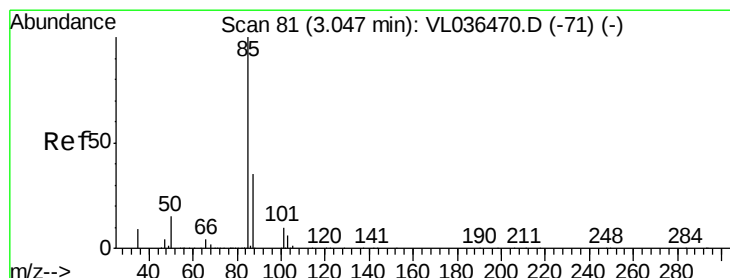
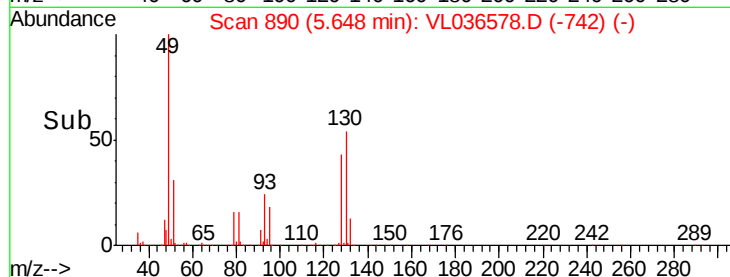
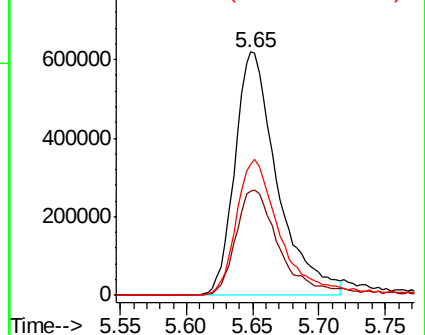
130 59.7 29.1 87.4



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: 0.042 ppbv

RT: 3.03 min Scan# 77

Delta R.T. -0.01 min

Lab File: VL036578.D

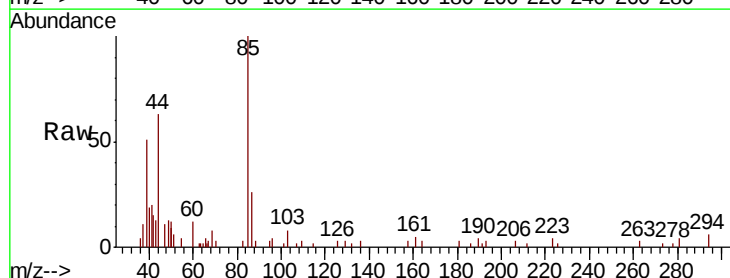
Acq: 30 Mar 2021 20:34

Tgt Ion: 85 Resp: 9558

Ion Ratio Lower Upper

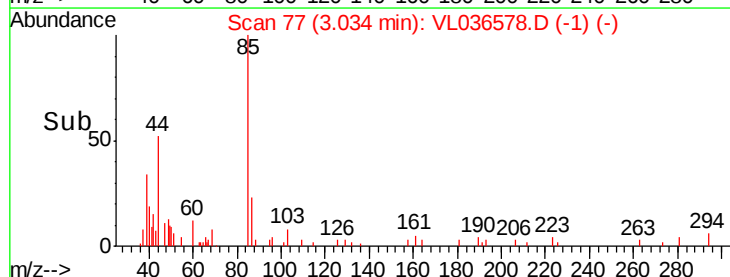
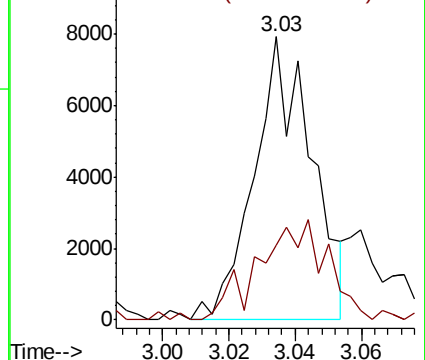
85 100

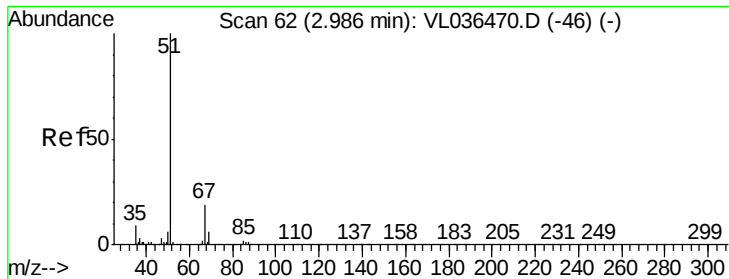
87 26.3 27.8 41.8#



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

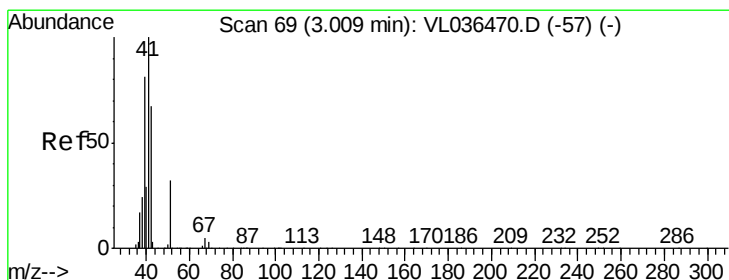
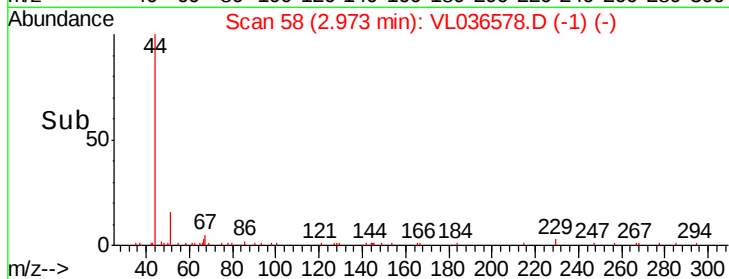
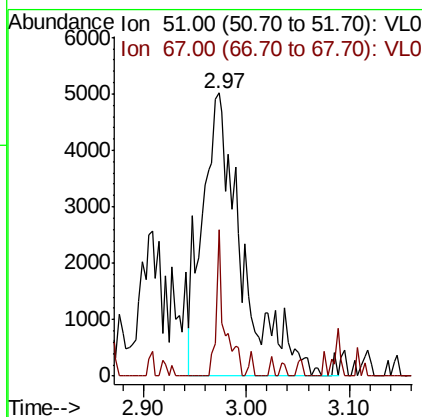
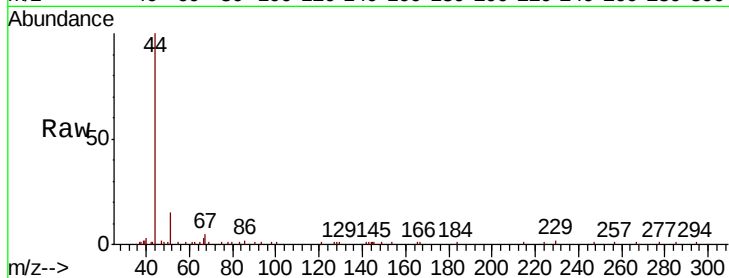




#3
Chlorodifluoromethane
Concen: 0.052 ppbv
RT: 2.97 min Scan# 58
Delta R.T. -0.01 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

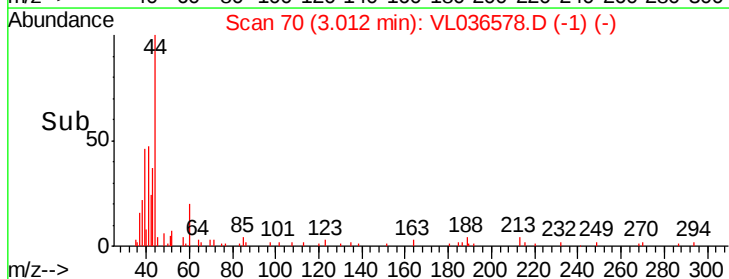
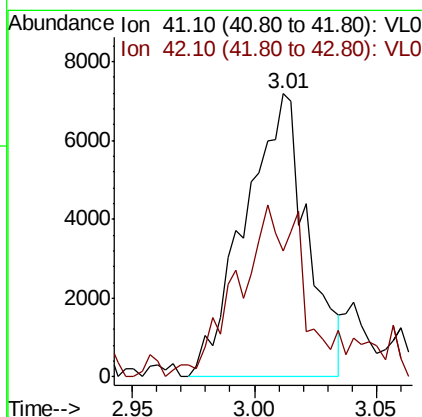
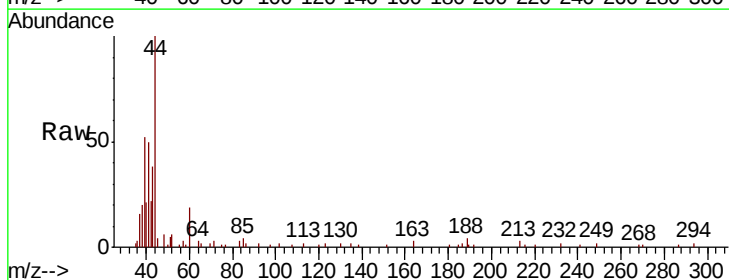
Instrument :
MSVOA_L
ClientSampleId :

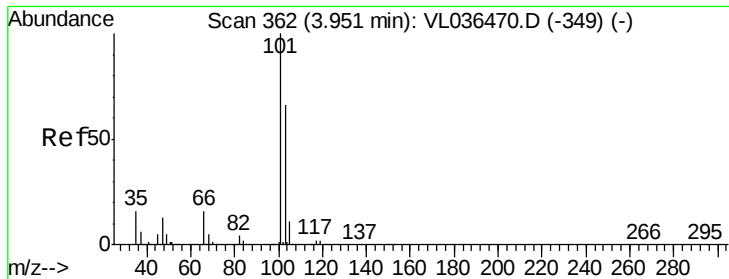
Tot Ion: 51 Resp: 13403
Ion Ratio Lower Upper
51 100
67 11.6 14.7 22.1#



#9
Propene
Concen: 0.155 ppbv
RT: 3.01 min Scan# 70
Delta R.T. 0.00 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

Tgt Ion: 41 Resp: 12765
Ion Ratio Lower Upper
41 100
42 72.9 57.0 85.4

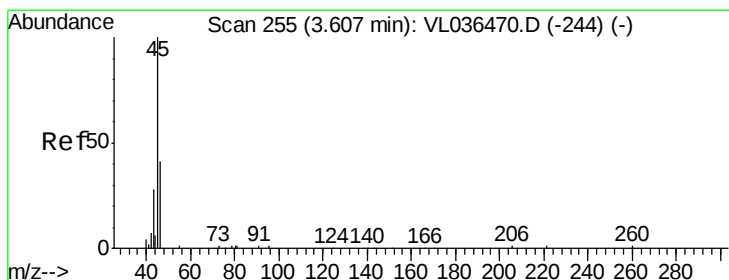
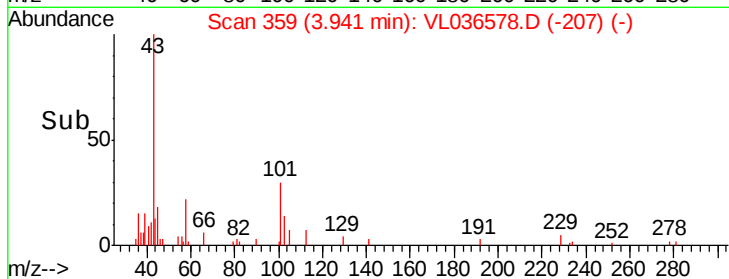
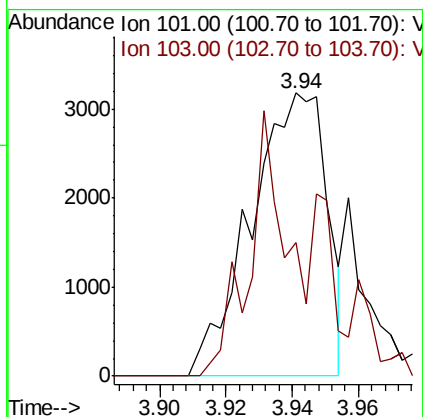
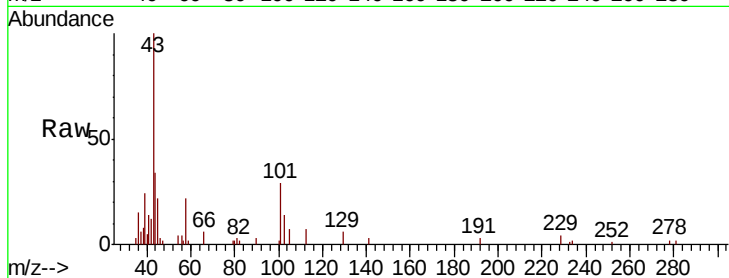




#11
 Trichlorofluoromethane
 Concen: 0.022 ppbv
 RT: 3.94 min Scan# 359
 Delta R.T. -0.01 min
 Lab File: VL036578.D
 Acq: 30 Mar 2021 20:34

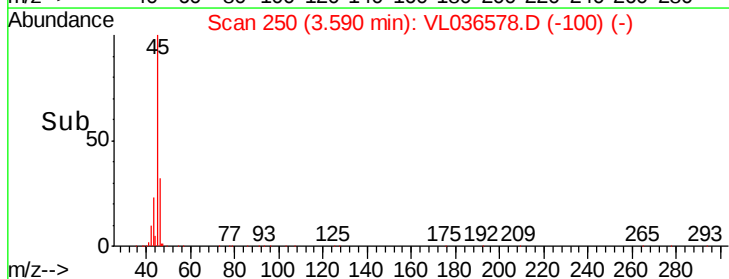
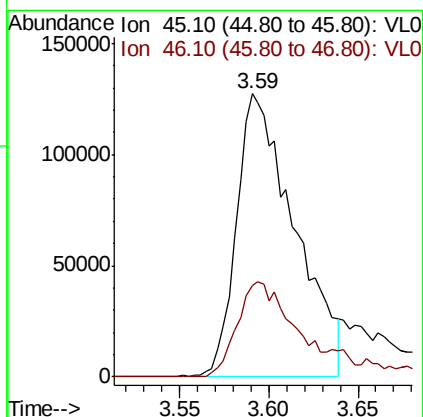
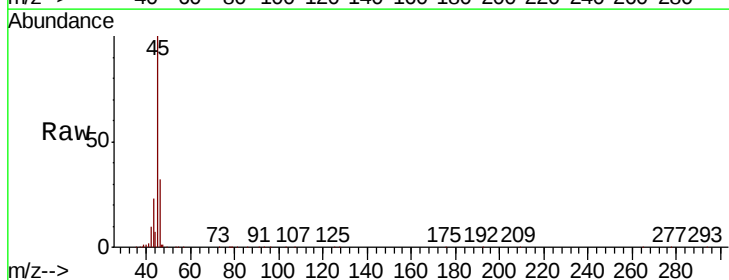
Instrument :
 MSVOA_L
 ClientSampleId :

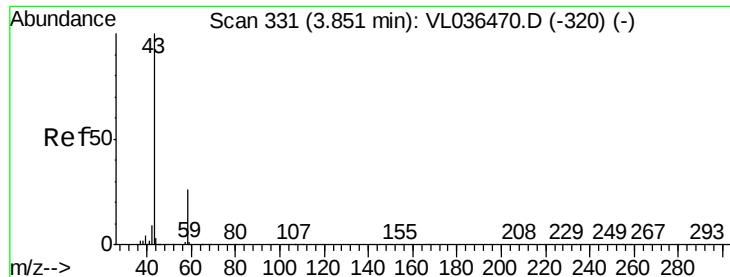
Tot Ion:101 Resp: 5088
 Ion Ratio Lower Upper
 101 100
 103 47.2 52.5 78.7#



#13
 Ethanol
 Concen: 29.130 ppbv
 RT: 3.59 min Scan# 250
 Delta R.T. -0.02 min
 Lab File: VL036578.D
 Acq: 30 Mar 2021 20:34

Tgt Ion: 45 Resp: 286179
 Ion Ratio Lower Upper
 45 100
 46 42.5 16.6 66.2

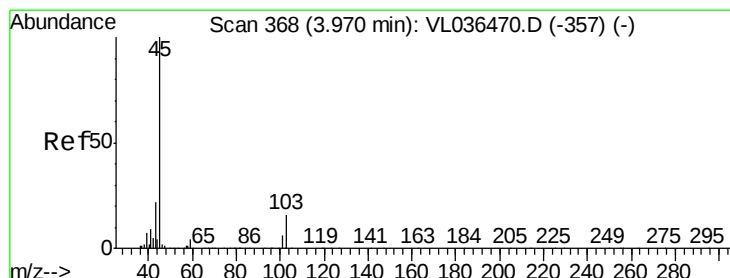
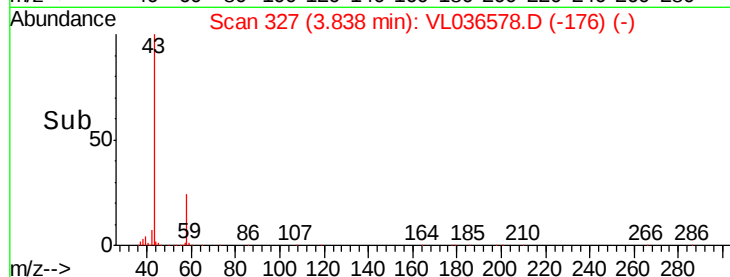
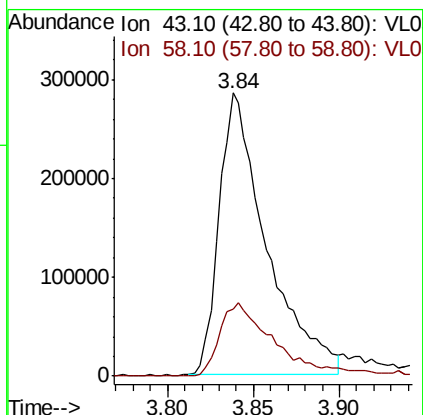
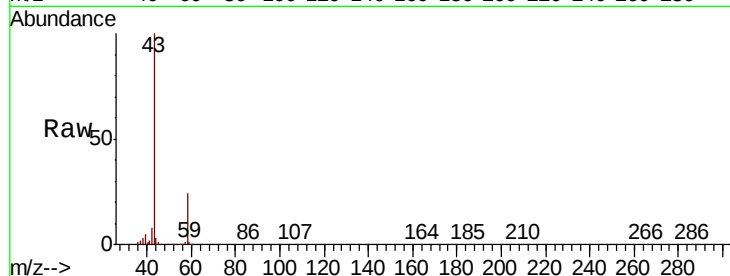




#15
Acetone
Concen: 4.028 ppbv
RT: 3.84 min Scan# 327
Delta R.T. -0.01 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

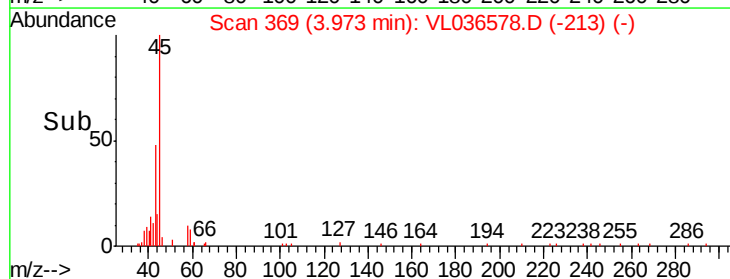
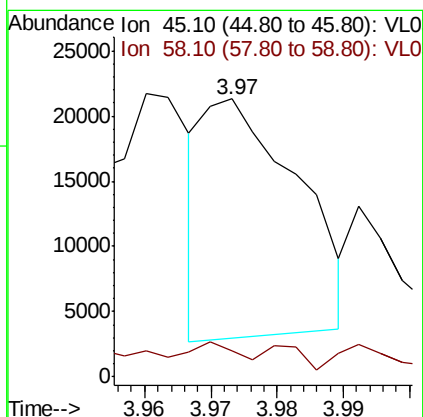
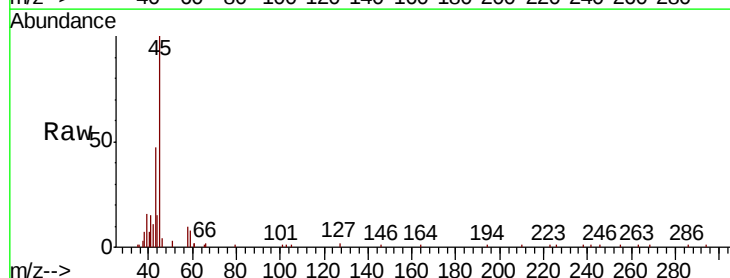
Instrument :
MSVOA_L
ClientSampleId :

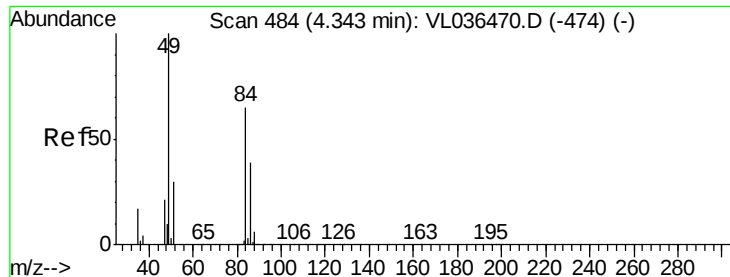
Tot Ion: 43 Resp: 549175
Ion Ratio Lower Upper
43 100
58 31.4 21.2 31.8



#19
Isopropyl Alcohol
Concen: 0.241 ppbv
RT: 3.97 min Scan# 369
Delta R.T. 0.00 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

Tgt Ion: 45 Resp: 18110
Ion Ratio Lower Upper
45 100
58 0.0 2.9 4.3#

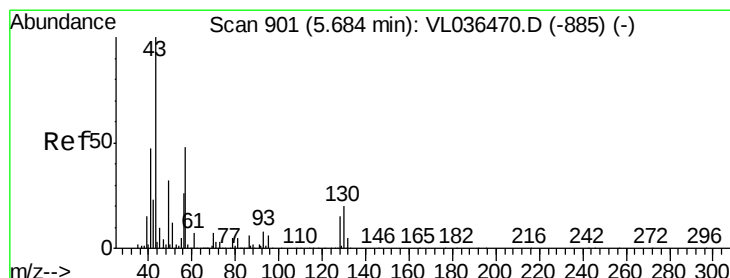
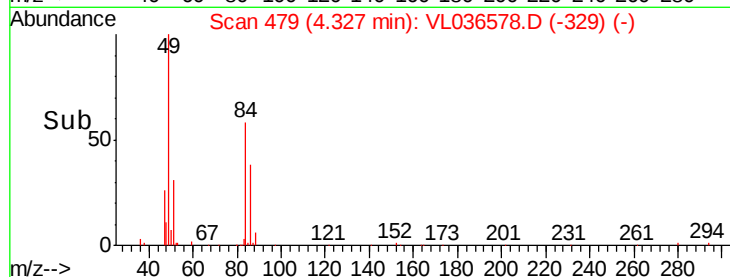
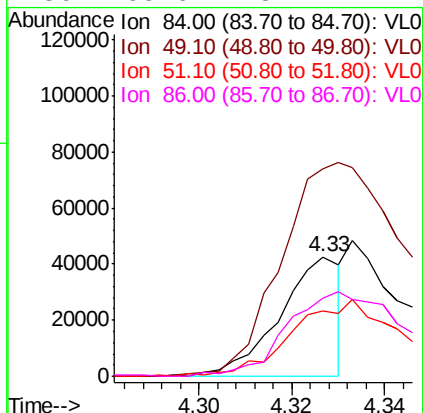
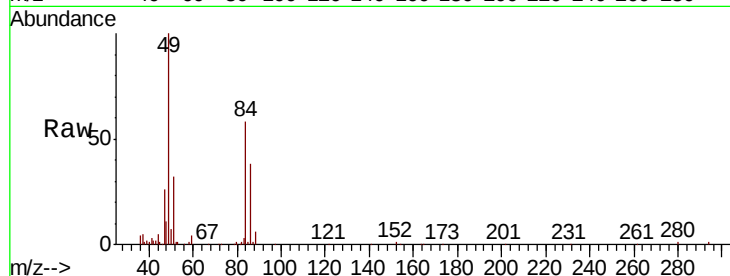




#20
Methvlene Chloride
Concen: 0.608 ppbv
RT: 4.33 min Scan# 479
Delta R.T. -0.02 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

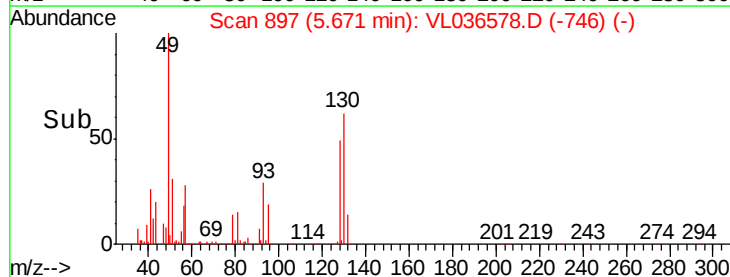
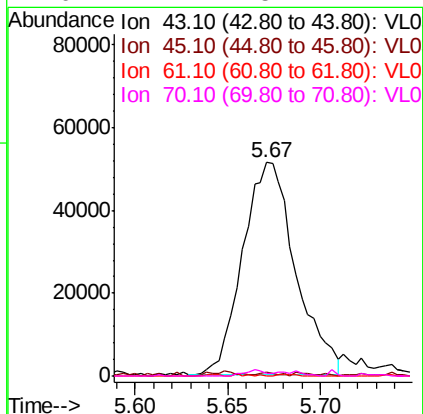
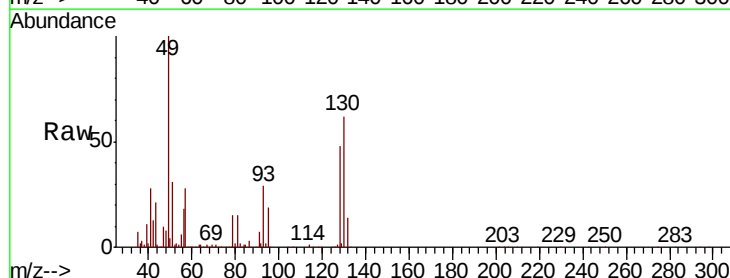
Instrument :
MSVOA_L
ClientSampleId :

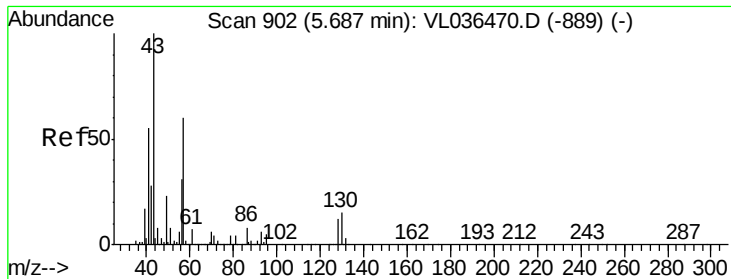
Tot Ion:	84	Resp:	38815
Ion	Ratio	Lower	Upper
84	100		
49	172.0	122.9	184.3
51	52.7	36.9	55.3
86	65.6	48.2	72.4



#25
Ethyl Acetate
Concen: 0.317 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

Tgt Ion:	43	Resp:	102899
Ion	Ratio	Lower	Upper
43	100		
45	0.5	7.9	11.9#
61	0.3	7.4	11.2#
70	2.2	5.1	7.7#

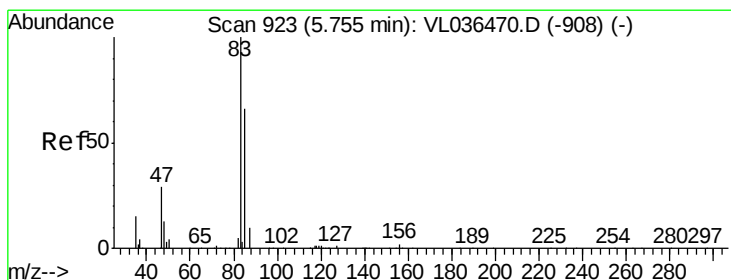
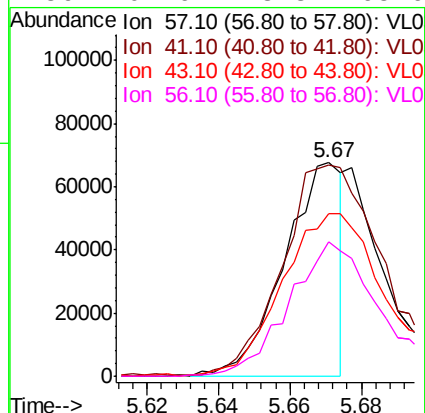
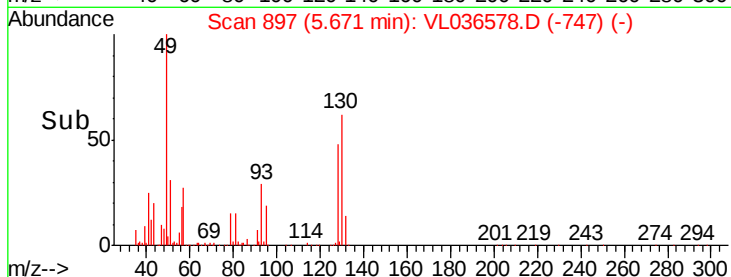
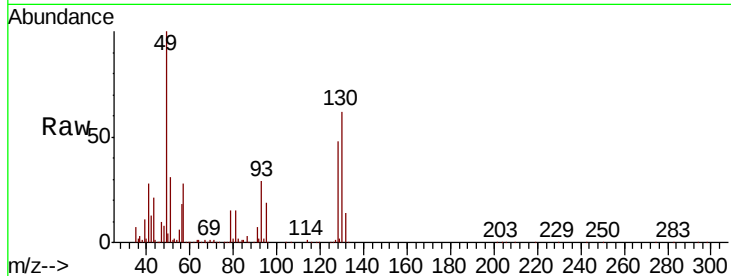




#26
Hexane
Concen: 0.505 ppbv
RT: 5.67 min Scan# 897
Delta R.T. -0.02 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

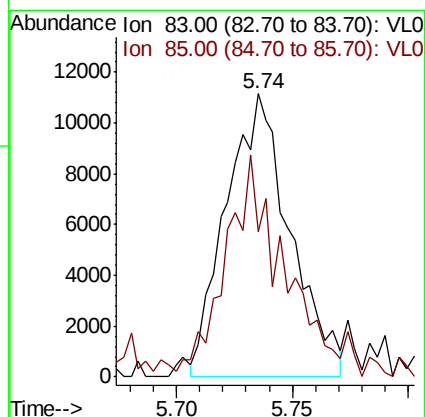
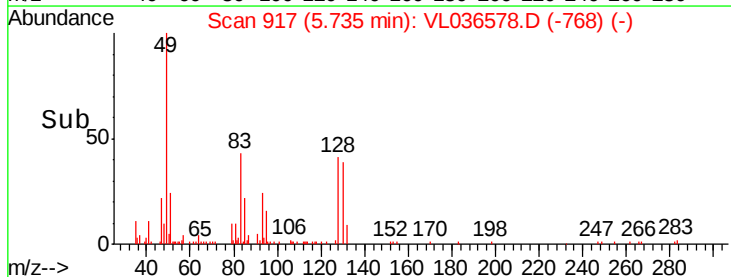
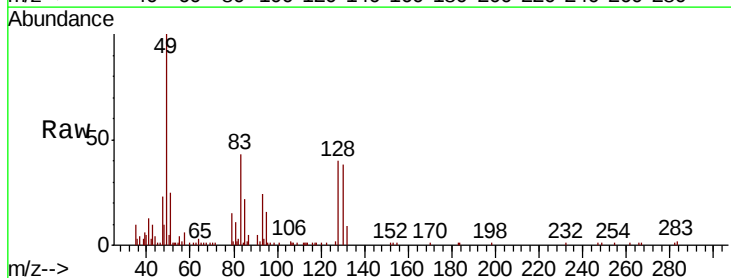
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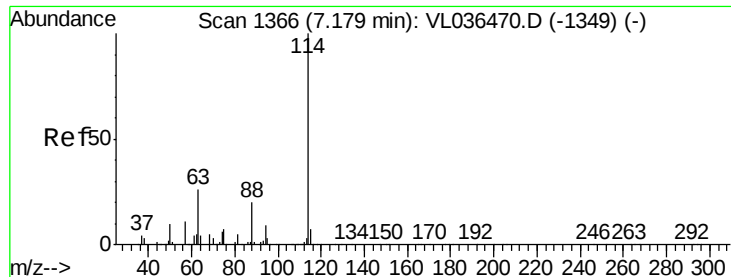
Tot Ion: 57 Resp: 75935
Ion Ratio Lower Upper
57 100
41 187.0 77.2 115.8#
43 147.1 173.8 260.6#
56 104.6 43.8 65.6#



#29
Chloroform
Concen: 0.089 ppbv
RT: 5.74 min Scan# 917
Delta R.T. -0.02 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

Tgt Ion: 83 Resp: 21426
Ion Ratio Lower Upper
83 100
85 47.6 52.6 78.8#

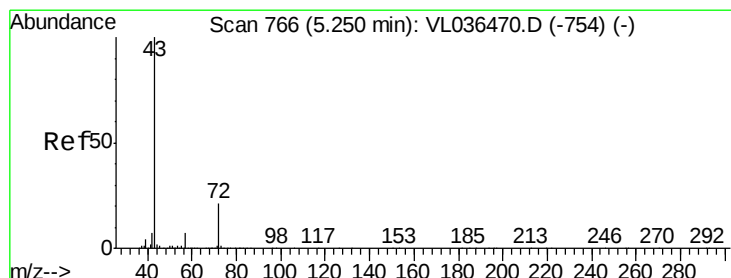
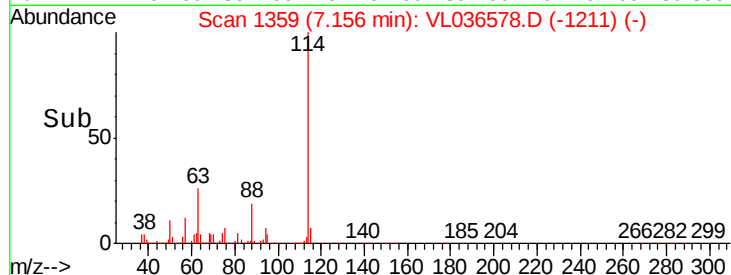
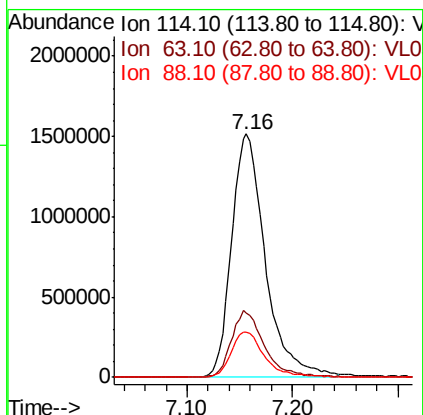
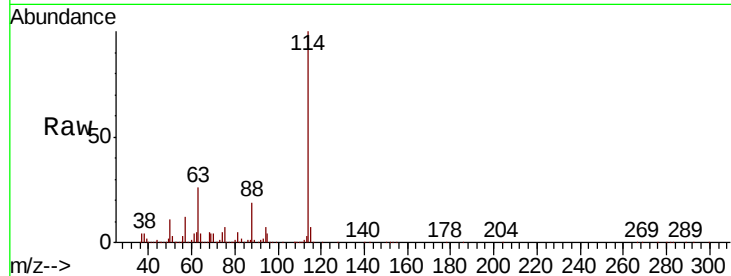




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1359
 Delta R.T. -0.02 min
 Lab File: VL036578.D
 Acq: 30 Mar 2021 20:34

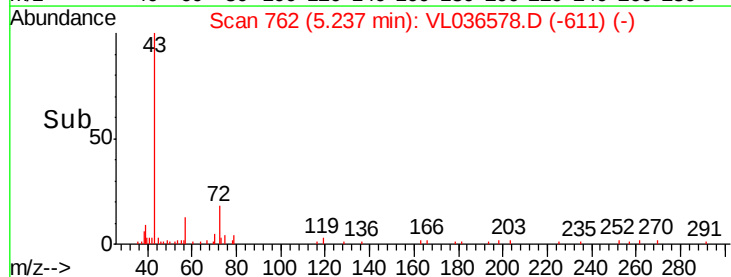
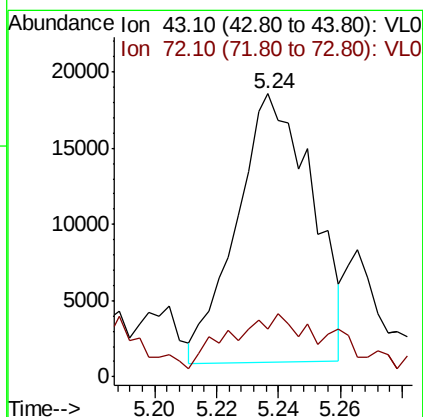
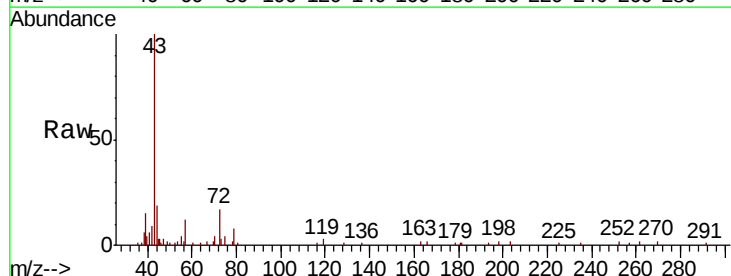
Instrument :
 MSVOA_L
 ClientSampleId :

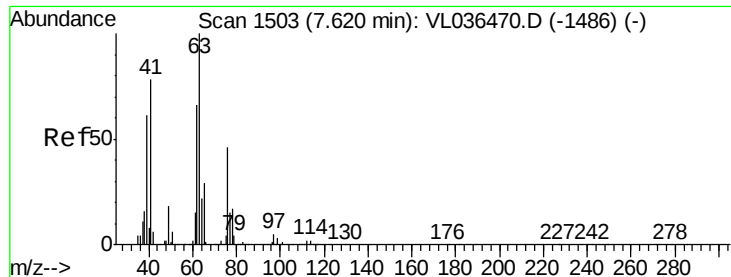
Tot Ion:114 Resp: 3369243
 Ion Ratio Lower Upper
 114 100
 63 27.1 22.4 33.6
 88 18.7 15.4 23.0



#34
 2-Butanone
 Concen: 0.182 ppbv
 RT: 5.24 min Scan# 762
 Delta R.T. -0.01 min
 Lab File: VL036578.D
 Acq: 30 Mar 2021 20:34

Tgt Ion: 43 Resp: 29948
 Ion Ratio Lower Upper
 43 100
 72 41.9 17.0 25.6#

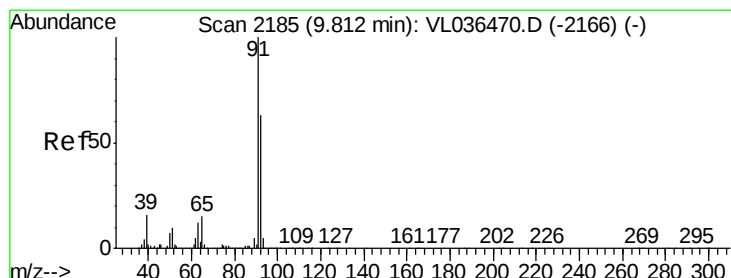
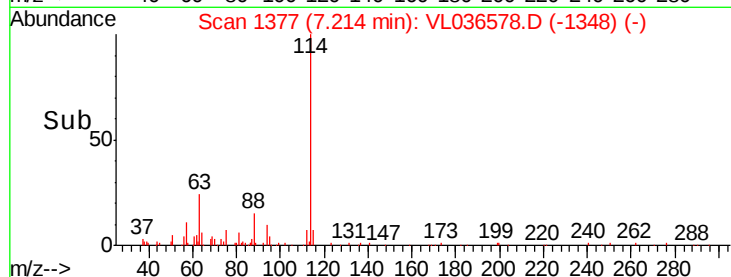
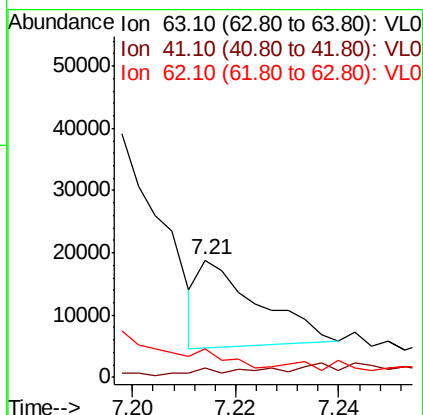
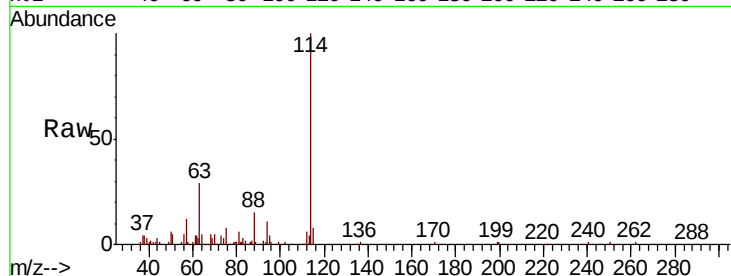




#39
 1,2-Dichloropropane
 Concen: 0.088 ppbv
 RT: 7.21 min Scan# 1377
 Delta R.T. -0.41 min
 Lab File: VL036578.D
 Acq: 30 Mar 2021 20:34

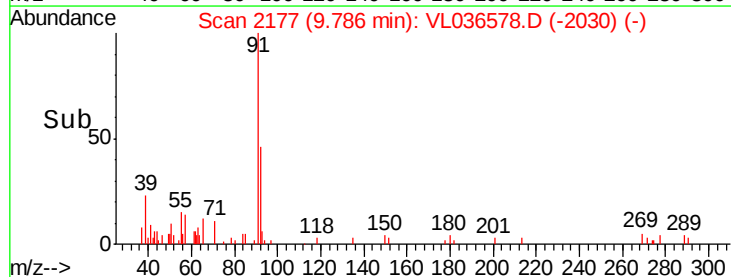
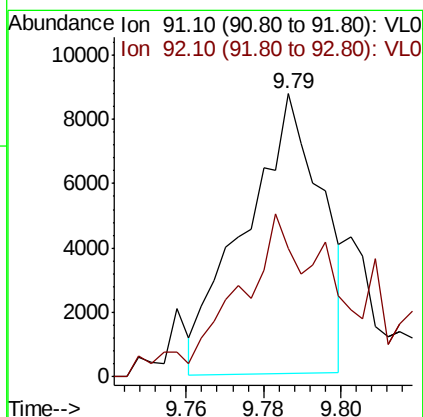
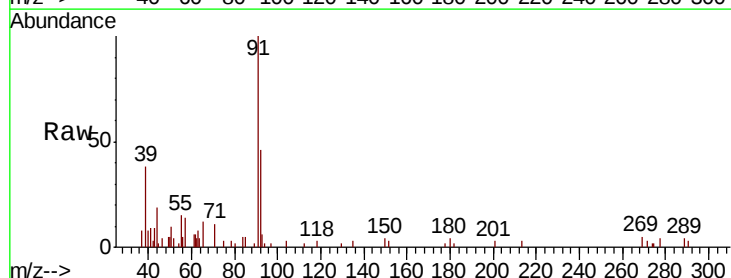
Instrument :
 MSVOA_L
 ClientSampleId :

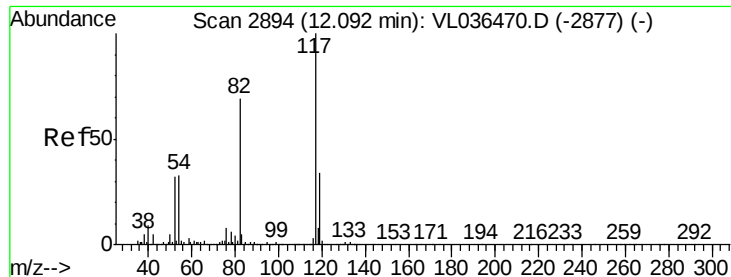
Tot Ion	Ratio	Lower	Upper
63	100		
41	6.3	62.4	93.6#
62	14.7	52.8	79.2#



#53
 Toluene
 Concen: 0.036 ppbv
 RT: 9.79 min Scan# 2177
 Delta R.T. -0.03 min
 Lab File: VL036578.D
 Acq: 30 Mar 2021 20:34

Tgt Ion	Ratio	Lower	Upper
91	100		
92	88.5	48.8	73.2#

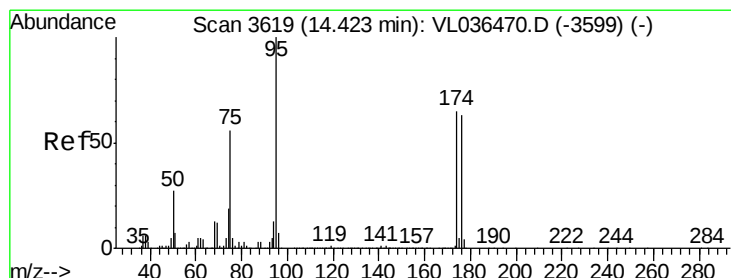
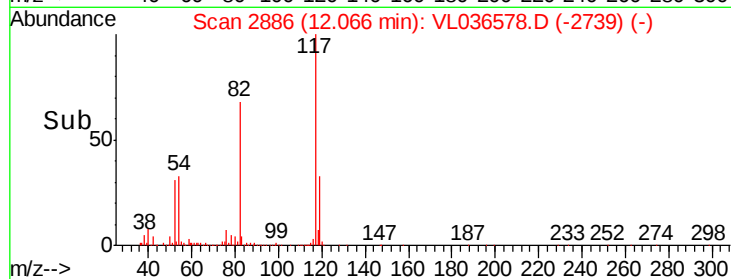
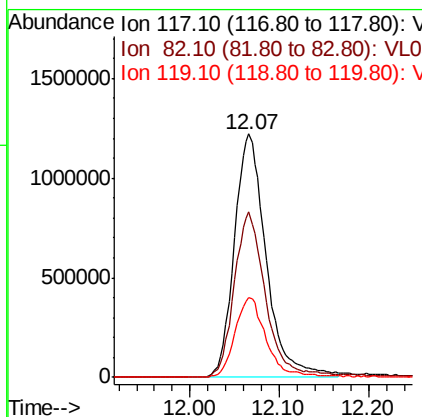
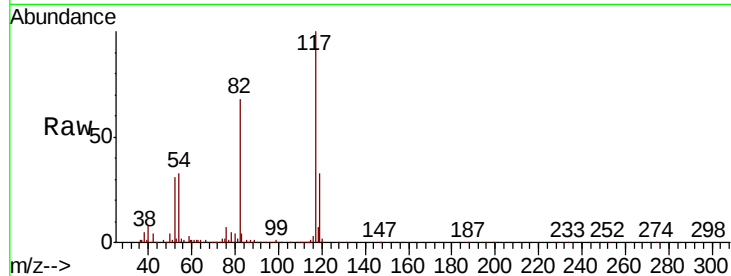




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.07 min Scan# 2886
Delta R.T. -0.03 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3017820
Ion Ratio Lower Upper
117 100
82 68.1 57.4 86.0
119 32.9 47.4 71.0#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.841 ppbv
RT: 14.40 min Scan# 3611
Delta R.T. -0.03 min
Lab File: VL036578.D
Acq: 30 Mar 2021 20:34

Tgt Ion: 95 Resp: 2367074
Ion Ratio Lower Upper
95 100
174 65.7 51.0 76.6
175 4.6 3.9 5.9

