

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL073021\
 Data File : VL037293.D
 Acq On : 30 Jul 2021 20:31
 Operator : SY/AP
 Sample : VSTDIC0.03
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Jul 30 22:52:32 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 30 22:49:48 2021
 QLast Update : Fri Jul 30 22:49:48 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1156551	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3675983	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.09	117	3274148	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.42	95	2350227	9.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.70%

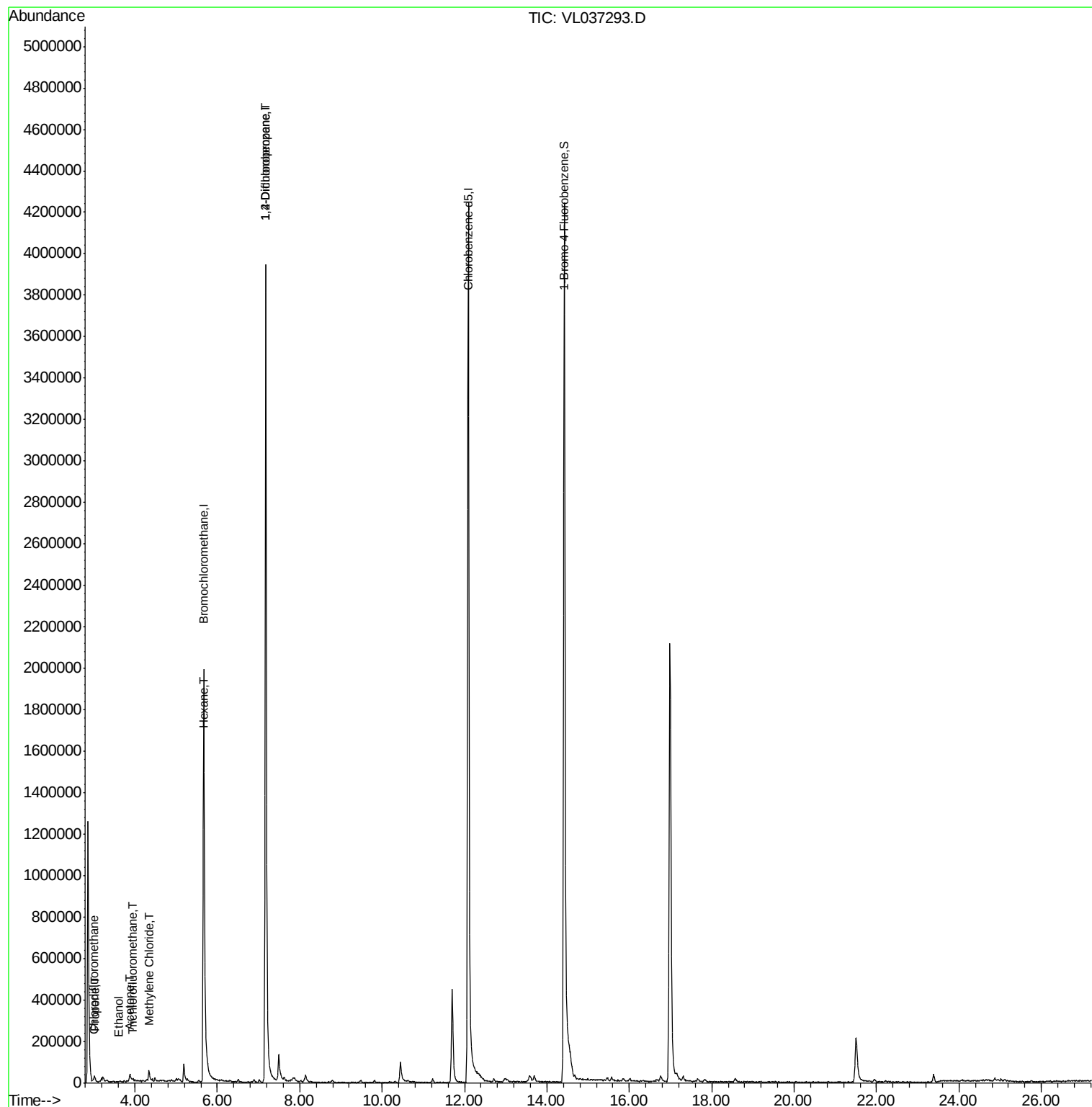
Target Compounds					Ovalue
3) Chlorodifluoromethane	2.99	51	8741	0.039	ppbv 95
9) Propene	3.01	41	9055	0.126	ppbv 93
11) Trichlorofluoromethane	3.95	101	7562	0.036	ppbv 85
13) Ethanol	3.62	45	1198	0.104	ppbv # 35
15) Acetone	3.87	43	33852	0.256	ppbv # 1
20) Methylene Chloride	4.34	84	19881	0.242	ppbv # 82
26) Hexane	5.69	57	5172	0.035	ppbv # 43
39) 1,2-Dichloropropane	7.18	63	818396	7.416	ppbv # 26

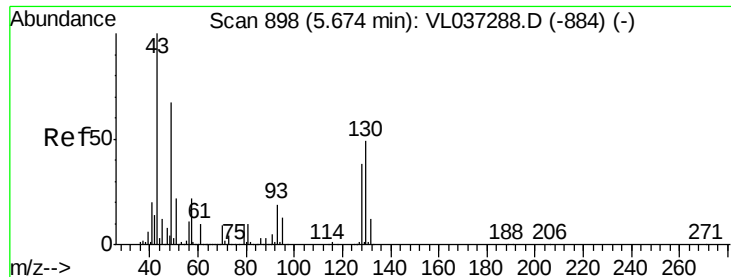
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL073021\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL073021AIR.M
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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 min Scan# 896

Delta R.T. -0.01 min

Lab File: VL037293.D

Acq: 30 Jul 2021 20:31

Instrument :
MSVOA_L
ClientSampled :

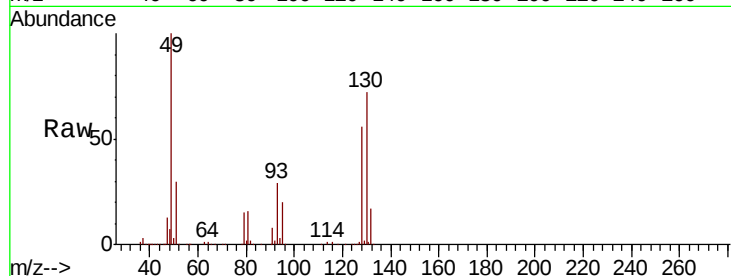
Tot Ion: 49 Resp: 1156551

Ion	Ratio	Lower	Upper
49	100		
128	60.0	30.6	92.0
130	79.6	37.8	113.4

49 100

128 60.0 30.6 92.0

130 79.6 37.8 113.4



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

5.67

600000

500000

400000

300000

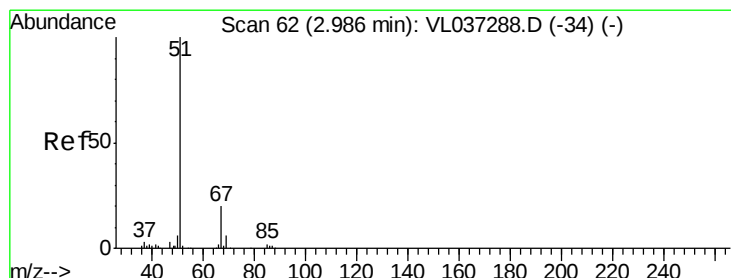
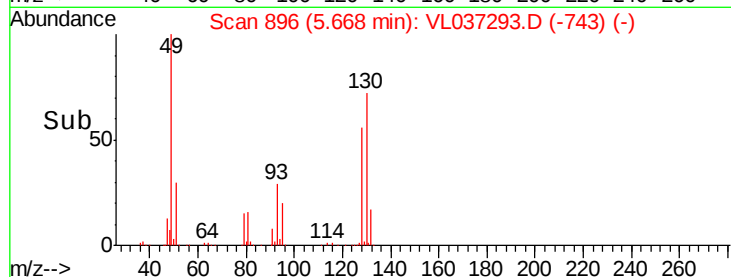
200000

100000

0

5.60 5.70 5.80

Time-->



#3

Chlorodifluoromethane

Concen: 0.039 ppbv

RT: 2.99 min Scan# 62

Delta R.T. -0.00 min

Lab File: VL037293.D

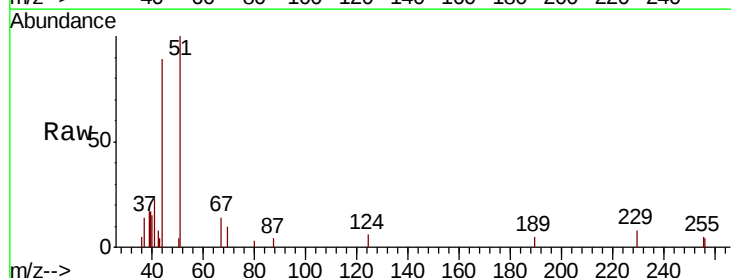
Acq: 30 Jul 2021 20:31

Tgt Ion: 51 Resp: 8741

Ion	Ratio	Lower	Upper
51	100		
67	16.7	15.2	22.8

51 100

67 16.7 15.2 22.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

5000

4000

3000

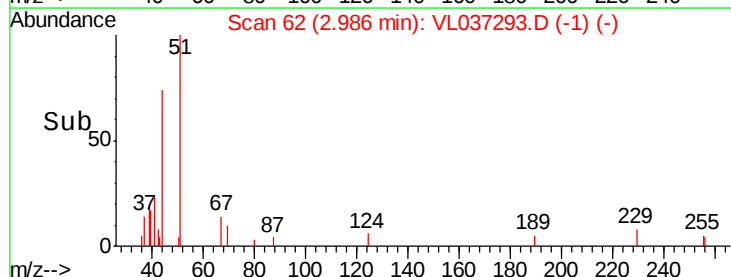
2000

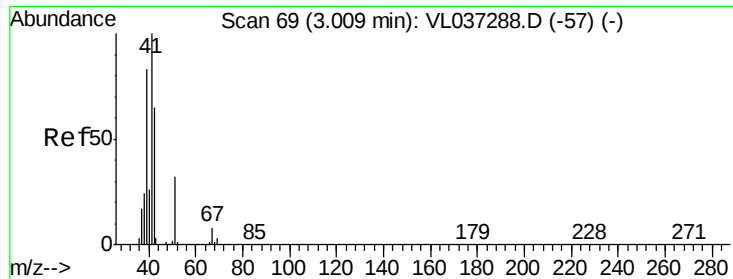
1000

0

2.90 2.95 3.00 3.05 3.10

Time-->





#9

Propene

Concen: 0.126 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL037293.D

Acq: 30 Jul 2021 20:31

Instrument :

MSVOA_L

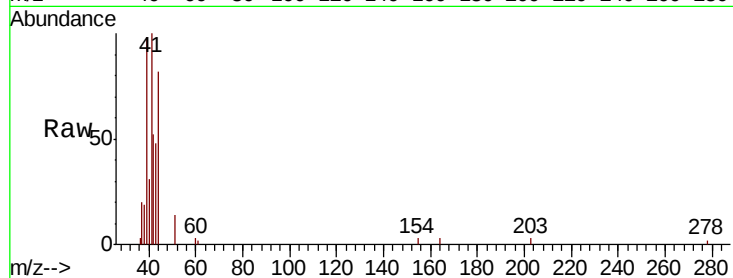
ClientSampleId :

Tot Ion: 41 Resp: 9055

Ion Ratio Lower Upper

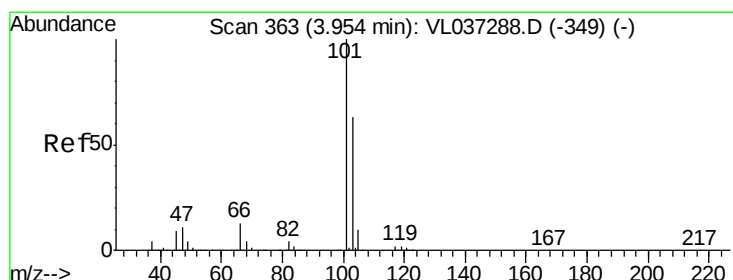
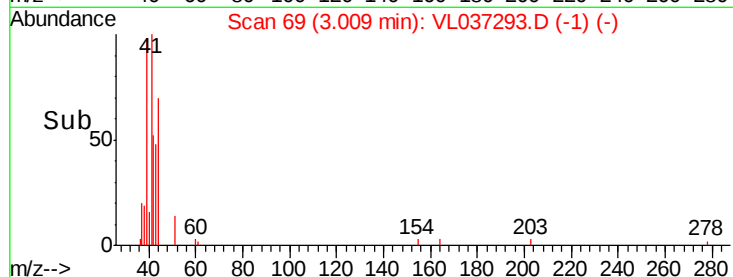
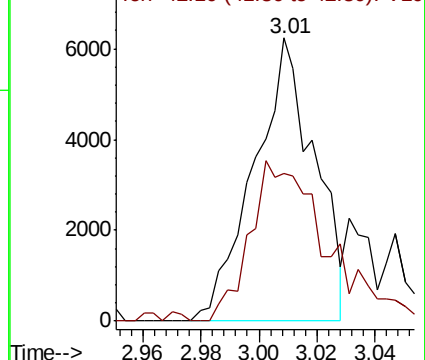
41 100

42 72.9 54.0 81.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0



#11

Trichlorofluoromethane

Concen: 0.036 ppbv

RT: 3.95 min Scan# 361

Delta R.T. -0.01 min

Lab File: VL037293.D

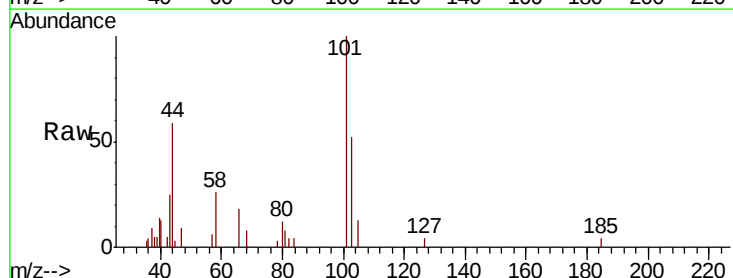
Acq: 30 Jul 2021 20:31

Tgt Ion: 101 Resp: 7562

Ion Ratio Lower Upper

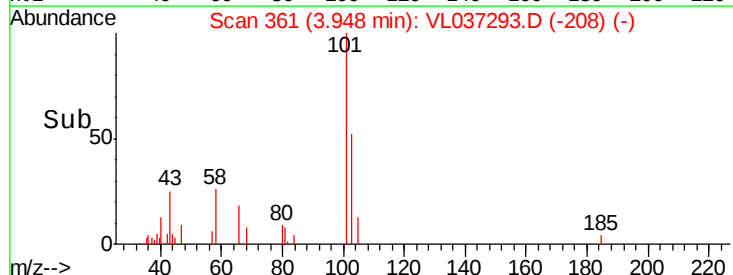
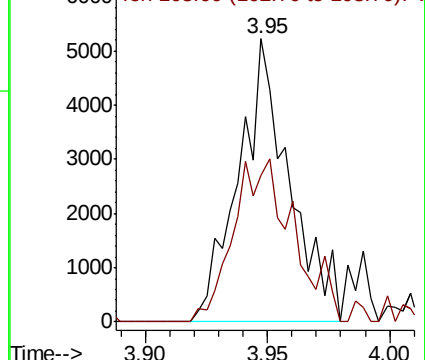
101 100

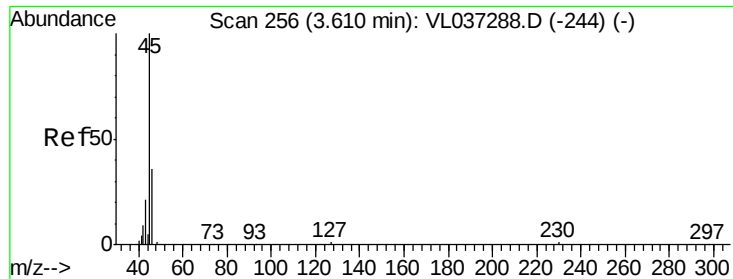
103 51.9 50.6 75.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

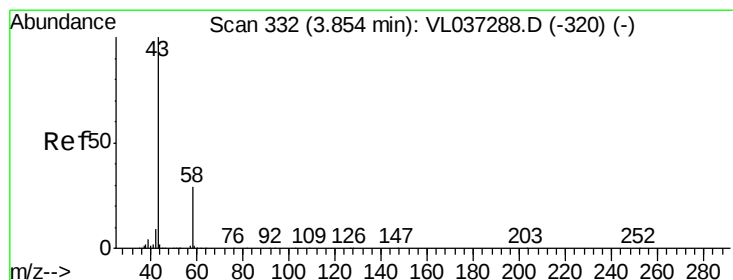
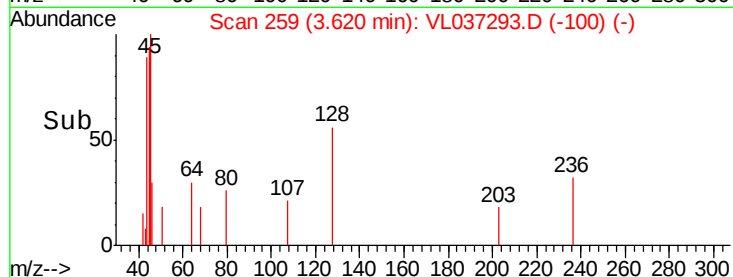
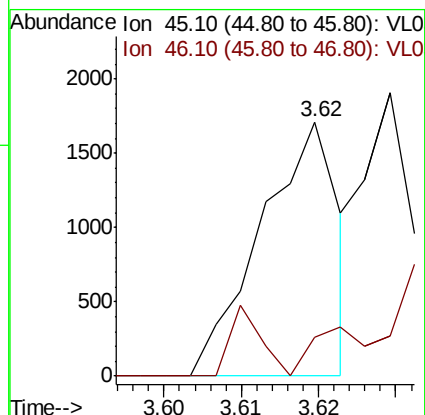
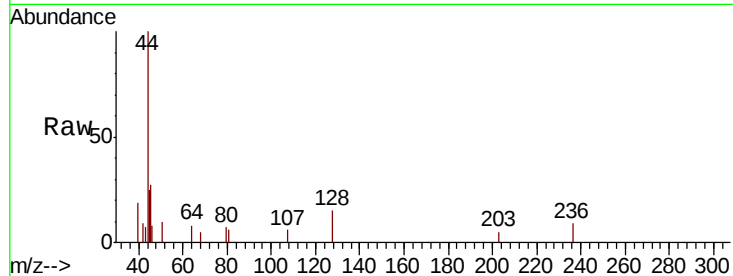




#13
Ethanol
Concen: 0.104 ppbv
RT: 3.62 min Scan# 259
Delta R.T. 0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

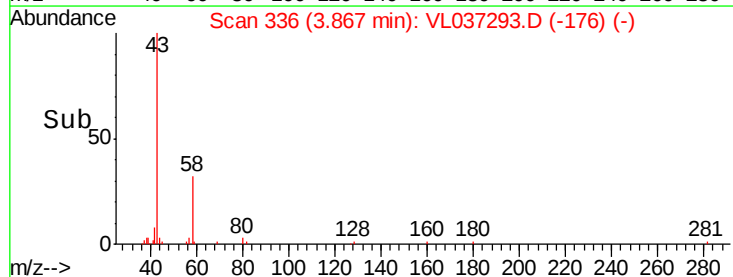
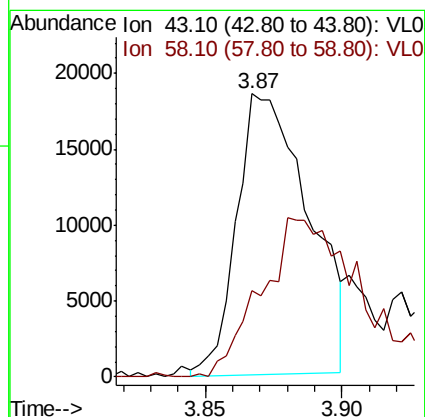
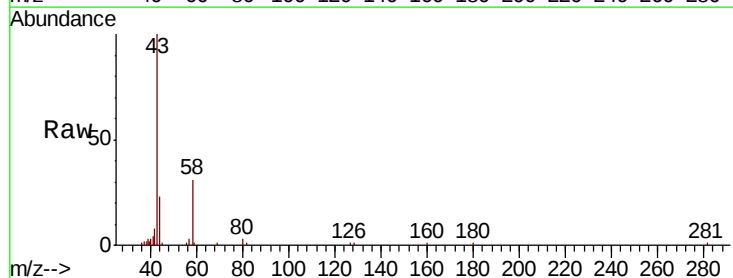
Instrument :
MSVOA_L
ClientSampleId :

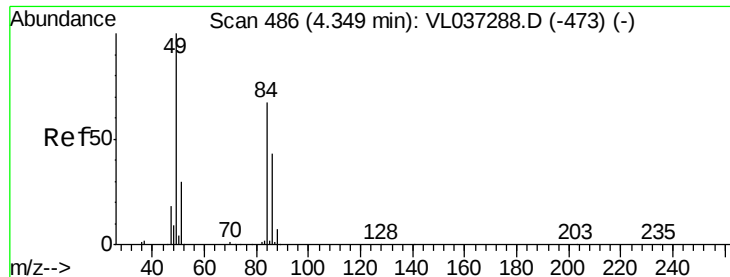
Tot Ion: 45 Resp: 1198
Ion Ratio Lower Upper
45 100
46 0.0 16.2 64.8#



#15
Acetone
Concen: 0.256 ppbv
RT: 3.87 min Scan# 336
Delta R.T. 0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

Tgt Ion: 43 Resp: 33852
Ion Ratio Lower Upper
43 100
58 96.5 24.2 36.4#

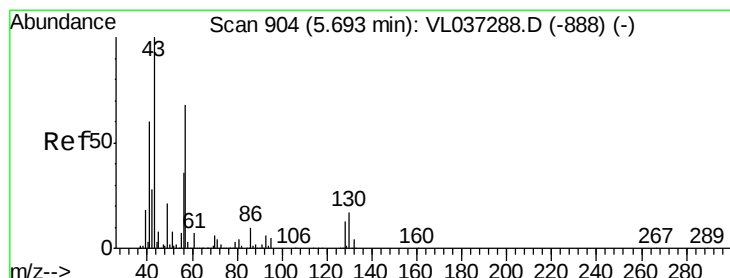
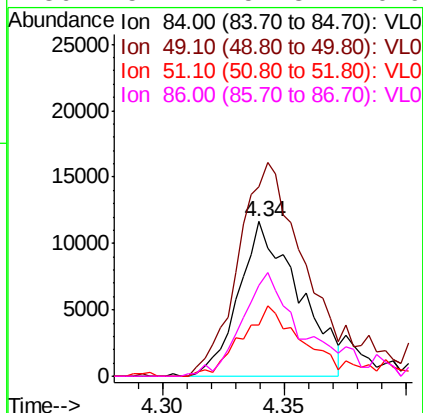
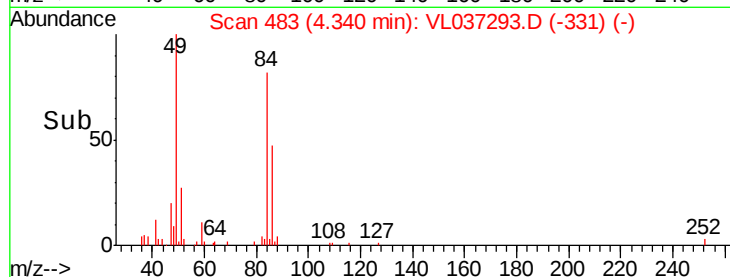
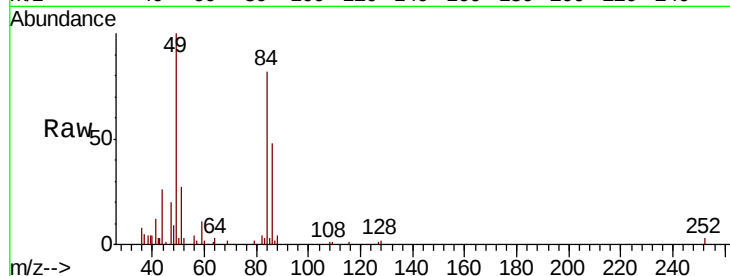




#20
Methvlene Chloride
Concen: 0.242 ppbv
RT: 4.34 min Scan# 483
Delta R.T. -0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

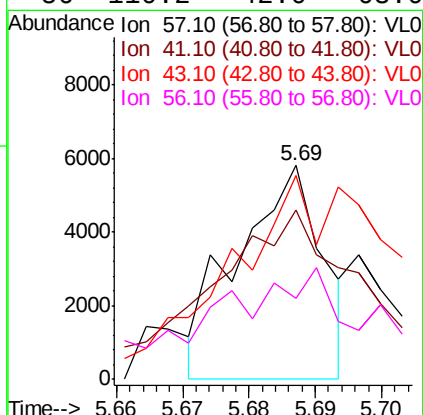
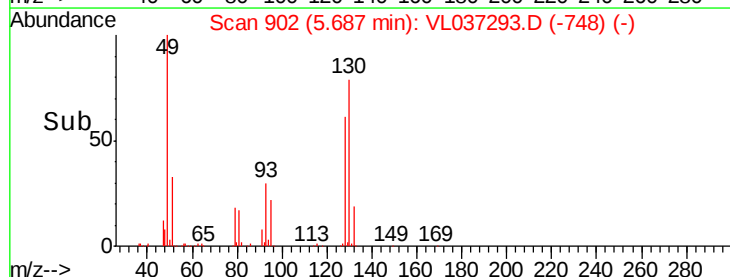
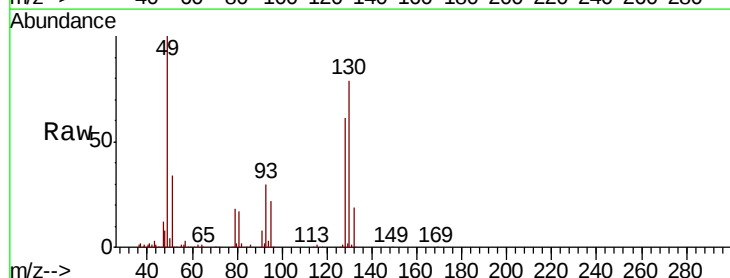
Instrument :
MSVOA_L
ClientSampled :

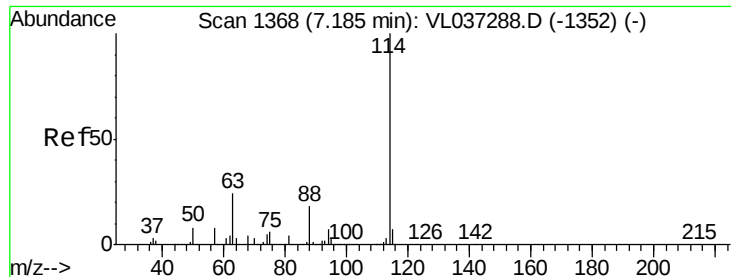
Tot Ion: 84 Resp: 19881
Ion Ratio Lower Upper
84 100
49 122.4 120.2 180.4
51 33.0 36.5 54.7#
86 57.2 51.3 76.9



#26
Hexane
Concen: 0.035 ppbv
RT: 5.69 min Scan# 902
Delta R.T. -0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

Tgt Ion: 57 Resp: 5172
Ion Ratio Lower Upper
57 100
41 210.0 71.0 106.6#
43 218.1 155.0 232.4
56 110.2 42.0 63.0#

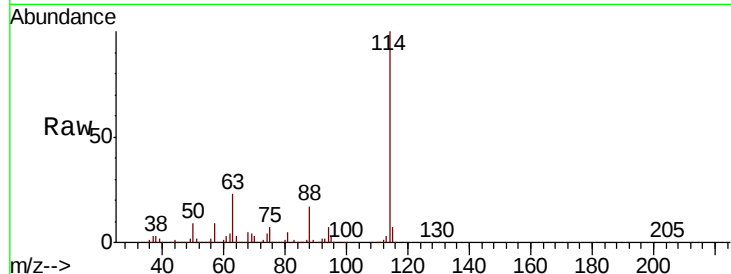




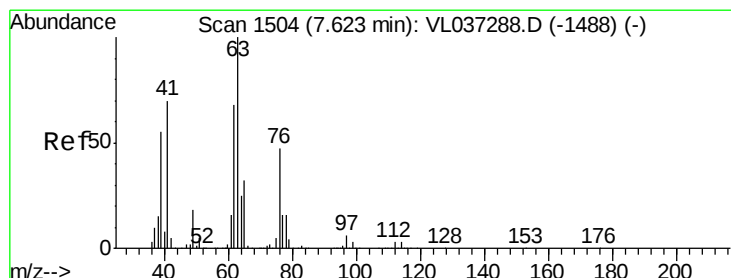
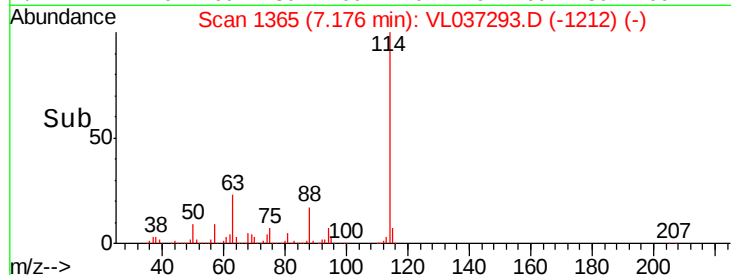
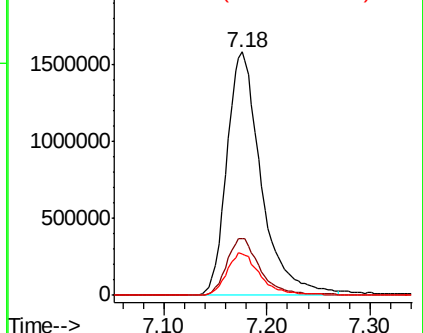
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL037293.D
 Acq: 30 Jul 2021 20:31

Instrument :
 MSVOA_L
 ClientSampleId :

Tot Ion:114 Resp: 3675983
 Ion Ratio Lower Upper
 114 100
 63 23.1 19.0 28.4
 88 17.5 14.0 21.0

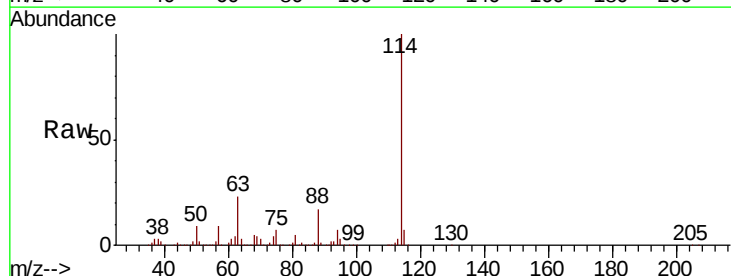


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

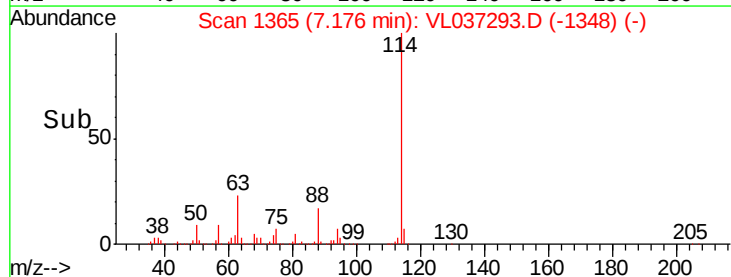
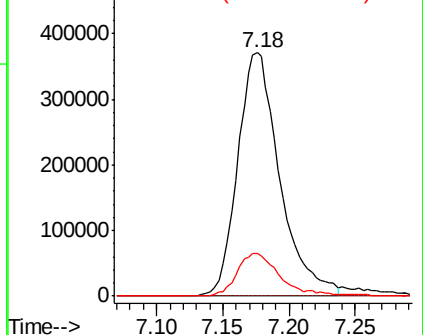


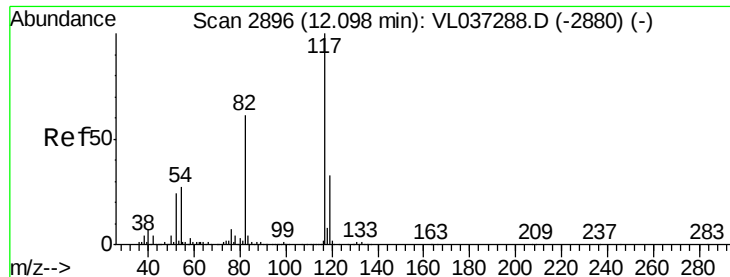
#39
 1,2-Dichloropropane
 Concen: 7.416 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.45 min
 Lab File: VL037293.D
 Acq: 30 Jul 2021 20:31

Tgt Ion: 63 Resp: 818396
 Ion Ratio Lower Upper
 63 100
 41 0.0 56.4 84.6#
 62 17.6 54.6 82.0#



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

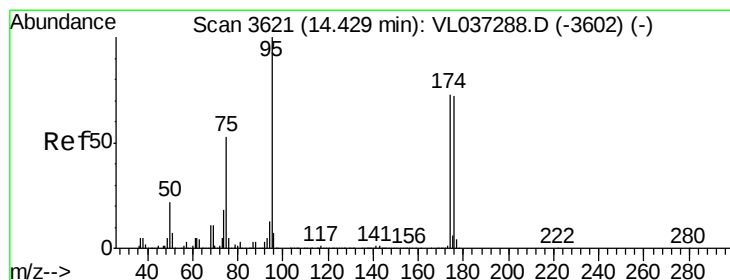
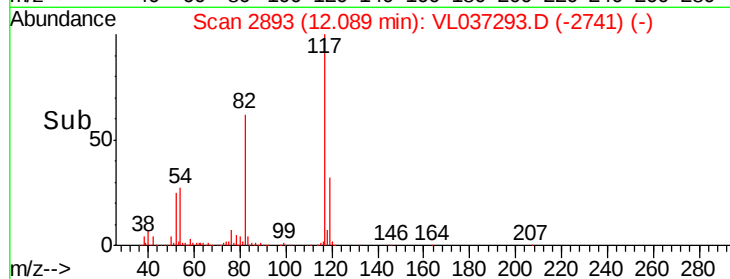
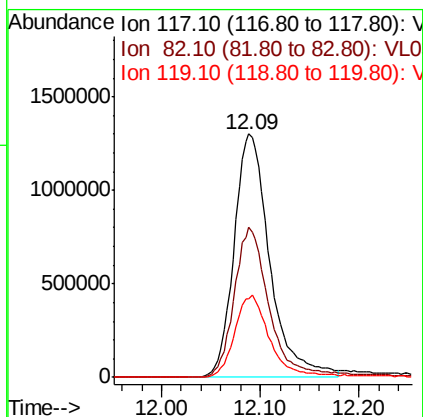
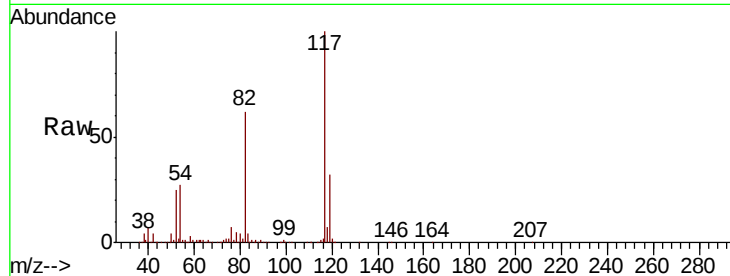




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

Instrument :
MSVOA_L
ClientSampleId :

Tot Ion:117 Resp: 3274148
Ion Ratio Lower Upper
117 100
82 63.3 47.2 70.8
119 34.6 45.8 68.8#



#68
1-Bromo-4-Fluorobenzene
Concen: 9.572 ppbv
RT: 14.42 min Scan# 3618
Delta R.T. -0.01 min
Lab File: VL037293.D
Acq: 30 Jul 2021 20:31

Tgt Ion: 95 Resp: 2350227
Ion Ratio Lower Upper
95 100
174 79.2 59.8 89.6
175 5.7 4.5 6.7

