

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL042721\
 Data File : VL036862.D
 Acq On : 27 Apr 2021 17:51
 Operator : SY/AP
 Sample : M2172-04DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :

Quant Time: Apr 28 05:25:28 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL042721AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Apr 27 16:56:35 2021
 QLast Update : Tue Apr 27 16:56:35 2021
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.67	49	1470004	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	3445954	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.10	117	1380293	10.00	ppbv	0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	2464320	22.24	ppbv	0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	222.40%#

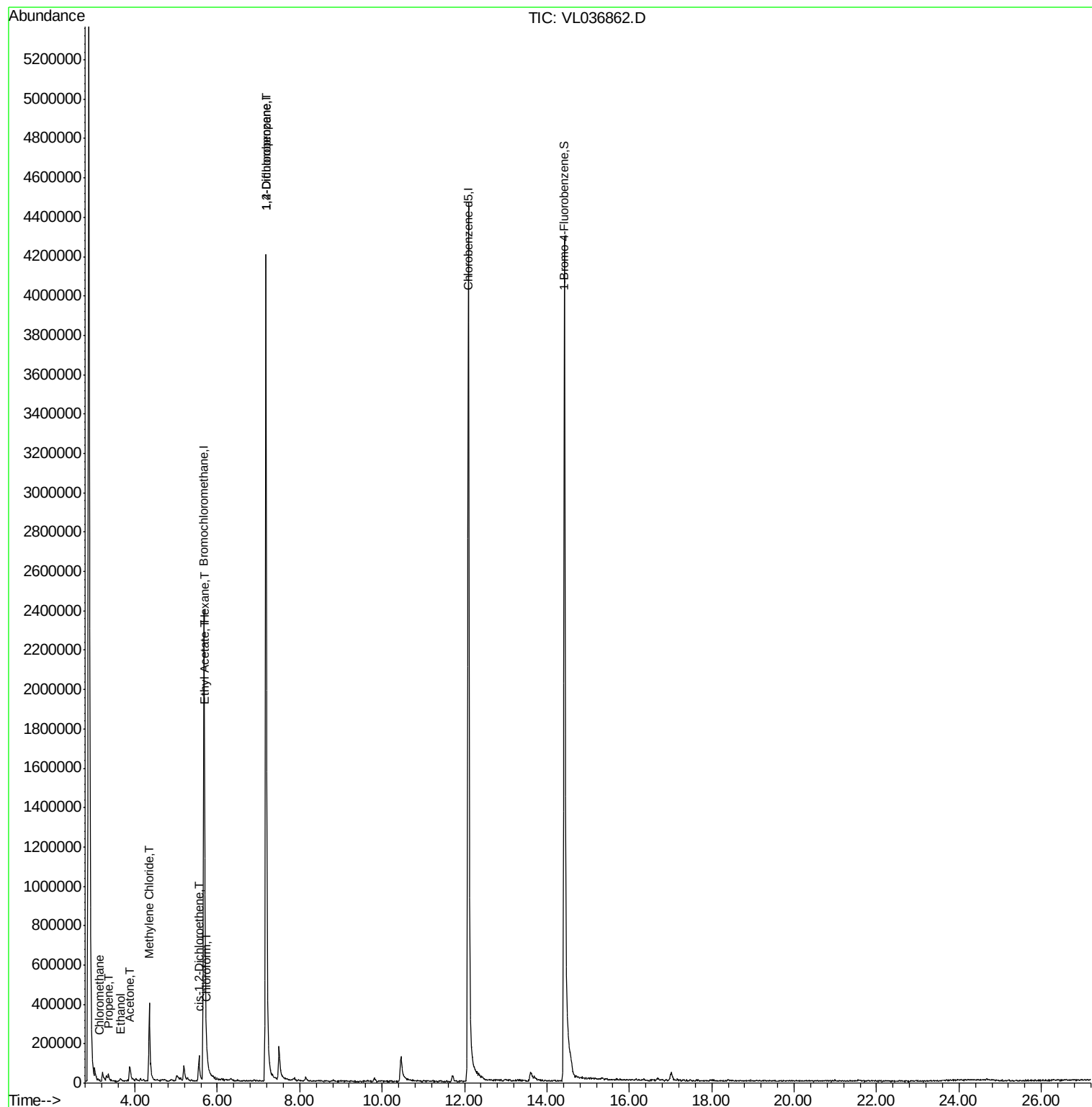
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
4) Chloromethane	3.14	50	3423	0.039	ppbv #	74
9) Propene	3.36	41	7140	0.088	ppbv	95
13) Ethanol	3.63	45	7792	0.749	ppbv #	34
15) Acetone	3.87	43	56494	0.408	ppbv #	48
20) Methylene Chloride	4.35	84	138181	2.086	ppbv	96
25) Ethyl Acetate	5.70	43	79882	0.236	ppbv #	79
26) Hexane	5.69	57	57519	0.363	ppbv #	1
29) Chloroform	5.75	83	7625	0.031	ppbv	93
31) cis-1,2-Dichloroethene	5.55	61	77769	0.547	ppbv	97
39) 1,2-Dichloropropane	7.18	63	921384	7.921	ppbv #	24

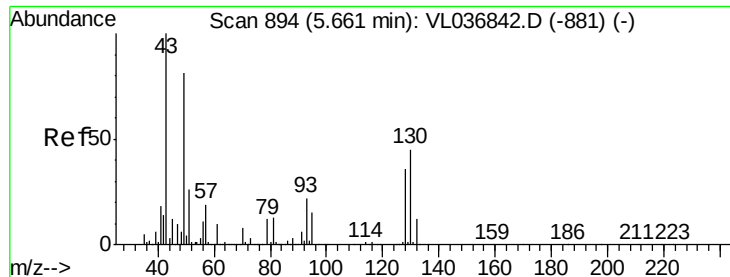
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.67 Instrument:

Delta R.T. MSVOA_L

Lab File:

Acq: 27 Apr 2021 17:51

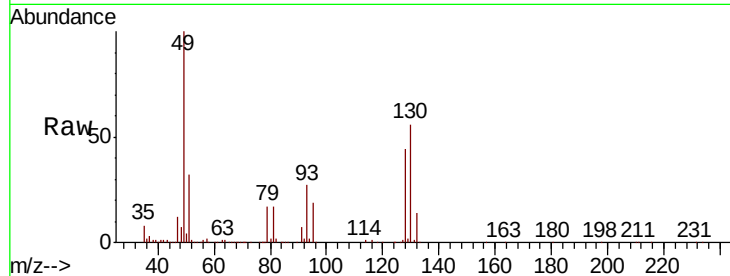
Tot Ion: 49 Resp: 1470004

Ion Ratio Lower Upper

49 100

128 46.7 24.4 73.2

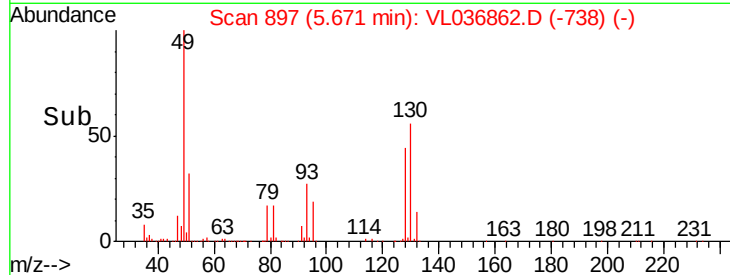
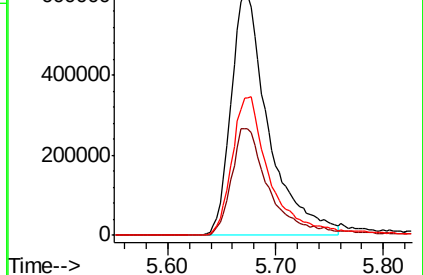
130 59.3 30.3 90.8



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



#4

Chloromethane

Concen: 0.039 ppbv

RT: 3.14 min Scan# 111

Delta R.T. 0.01 min

Lab File: VL036862.D

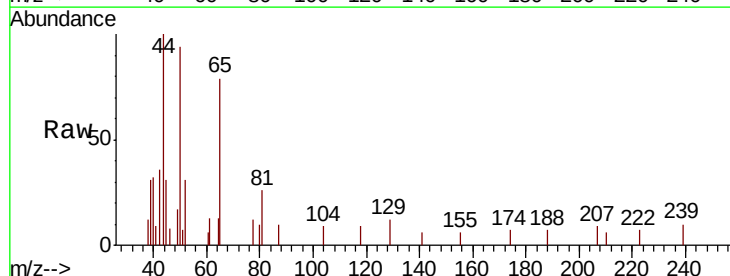
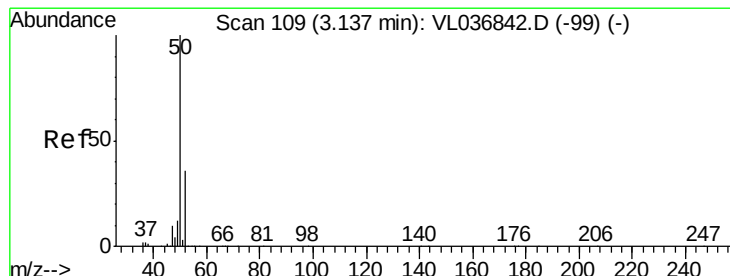
Acq: 27 Apr 2021 17:51

Tgt Ion: 50 Resp: 3423

Ion Ratio Lower Upper

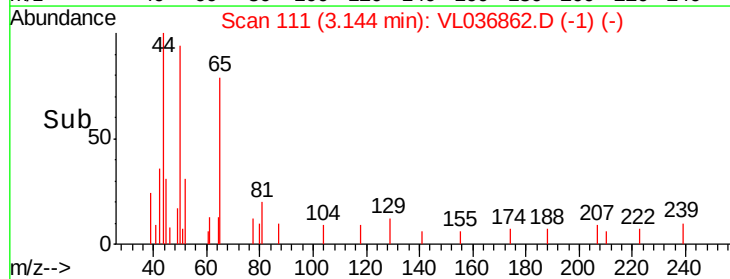
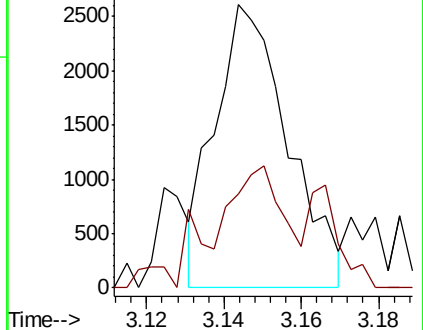
50 100

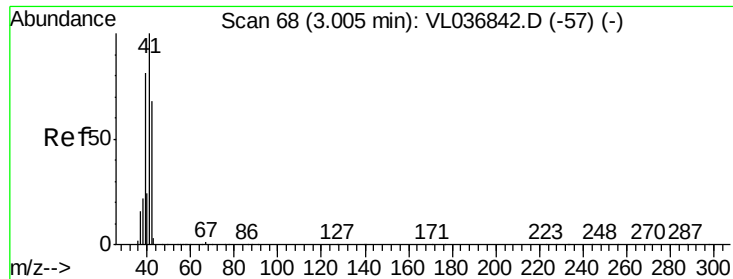
52 20.2 28.5 42.7#



Abundance Ion 50.10 (49.80 to 50.80): VL0

Ion 52.10 (51.80 to 52.80): VL0





#9

Propene

Concen: 0.088 ppbv

RT: 3.36 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

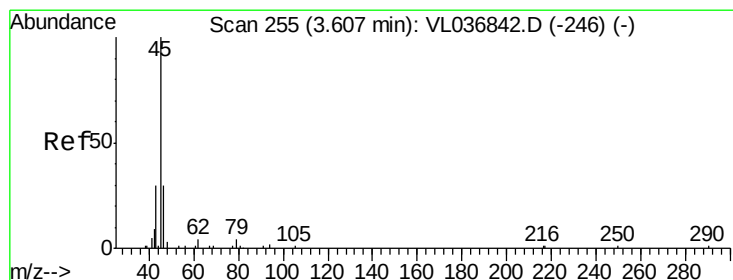
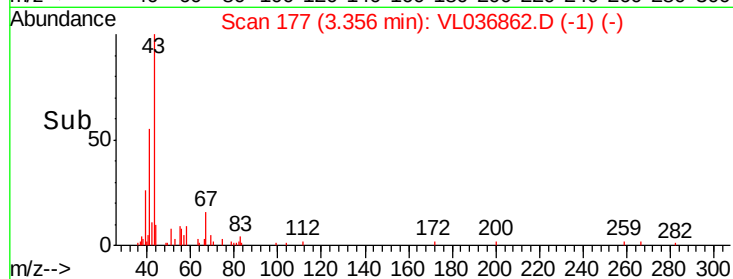
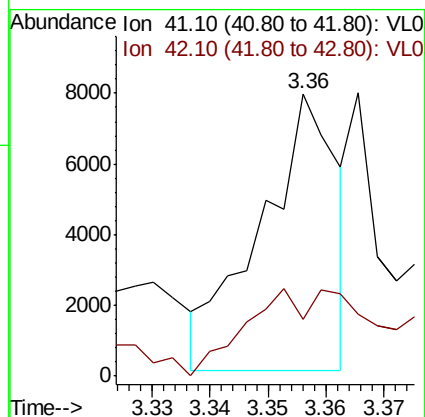
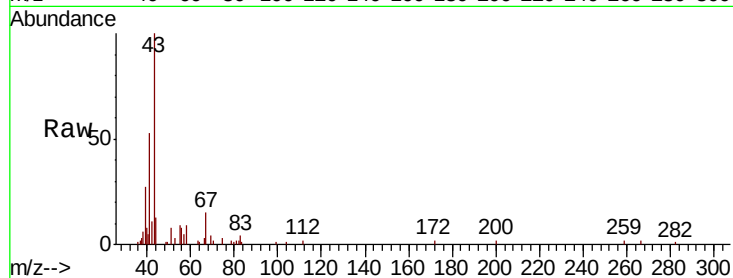
Acq: 27 Apr 2021 17:51

Tot Ion: 41 Resp: 7140

Ion Ratio Lower Upper

41 100

42 73.7 56.0 84.0



#13

Ethanol

Concen: 0.749 ppbv

RT: 3.63 min Scan# 263

Delta R.T. 0.03 min

Lab File: VL036862.D

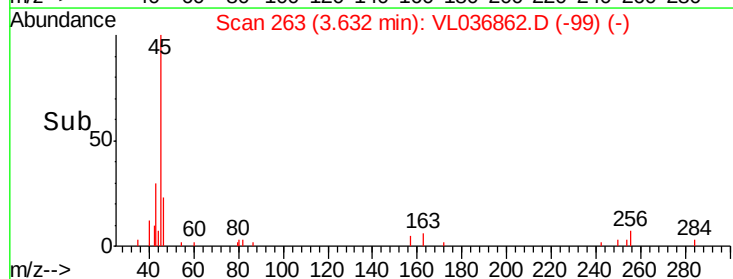
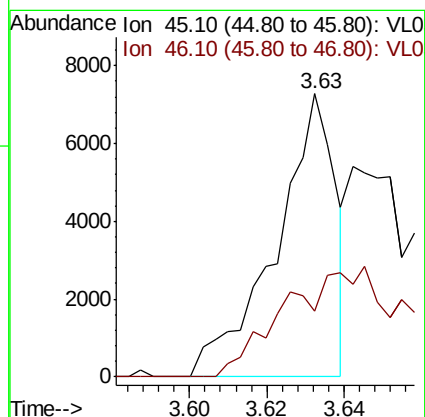
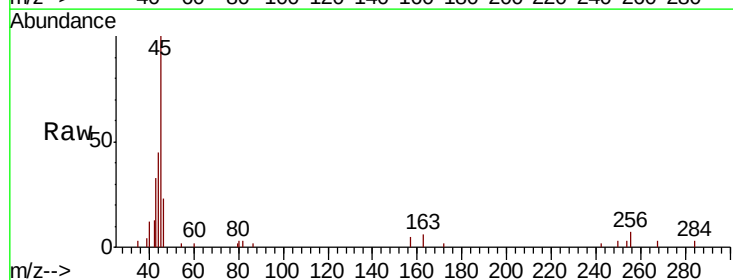
Acq: 27 Apr 2021 17:51

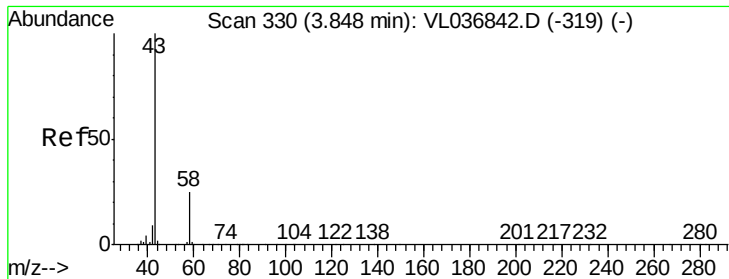
Tgt Ion: 45 Resp: 7792

Ion Ratio Lower Upper

45 100

46 0.0 16.8 67.4#





#15

Acetone

Concen: 0.408 ppbv

RT: 3.87 Instrument:

Delta R.T. MSVOA_L

Lab File: ClientSampleId:

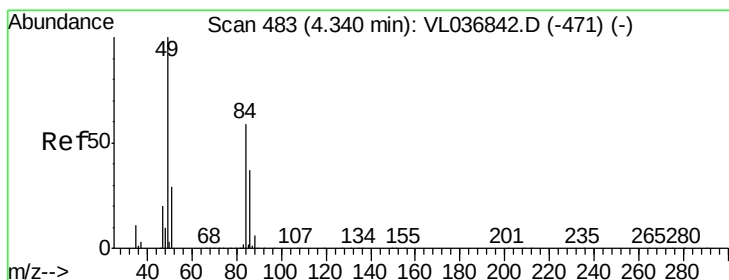
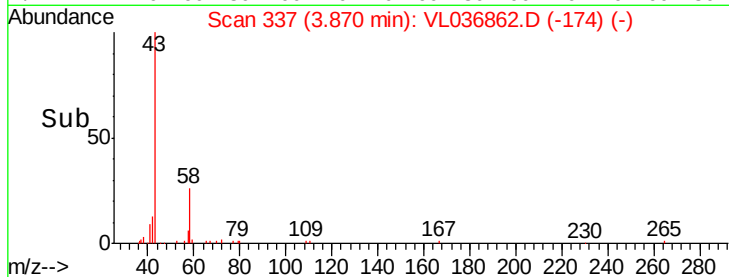
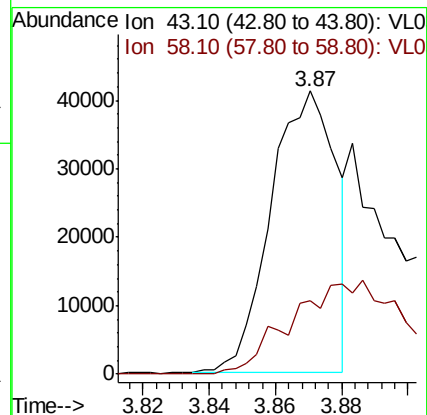
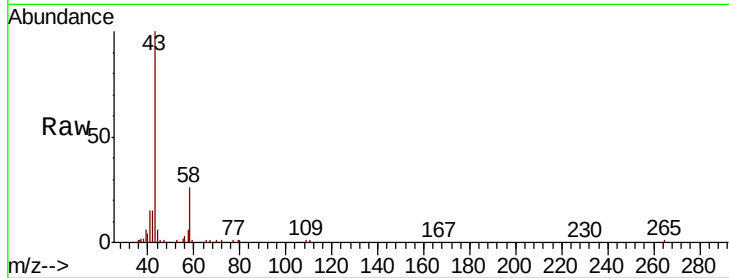
Acq: 27 Apr 2021 17:51

Tot Ion: 43 Resp: 56494

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



#20

Methylene Chloride

Concen: 2.086 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.01 min

Lab File: VL036862.D

Acq: 27 Apr 2021 17:51

Tgt Ion: 84 Resp: 138181

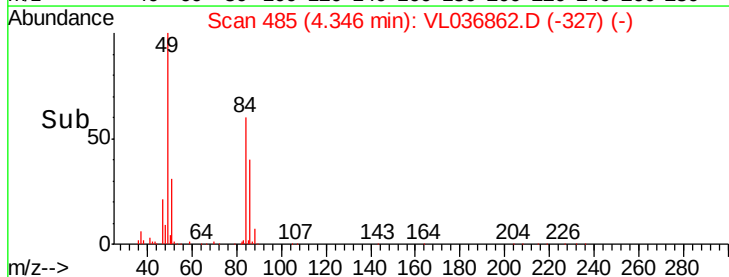
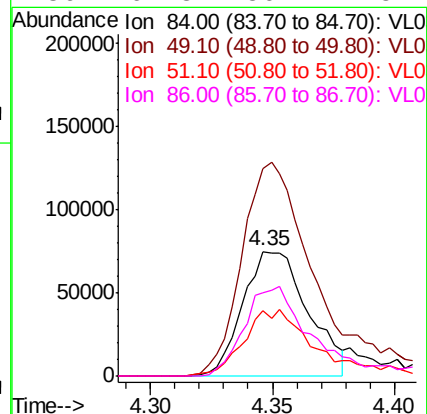
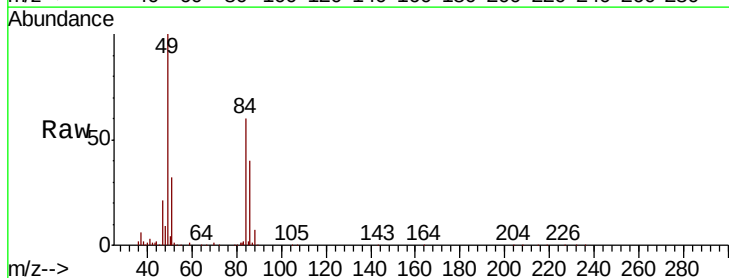
Ion Ratio Lower Upper

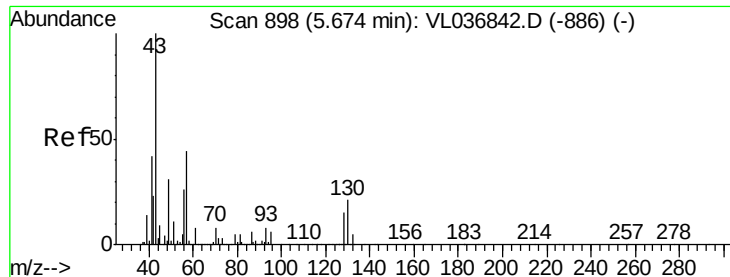
84 100

49 165.0 135.4 203.0

51 51.9 39.3 58.9

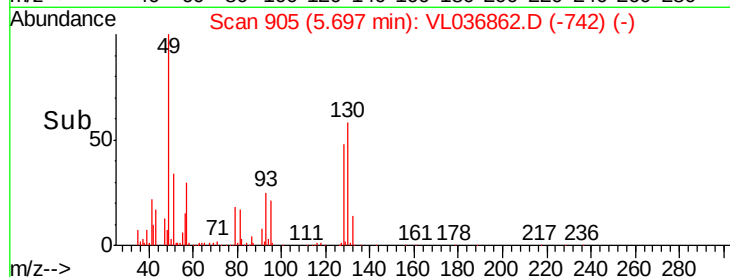
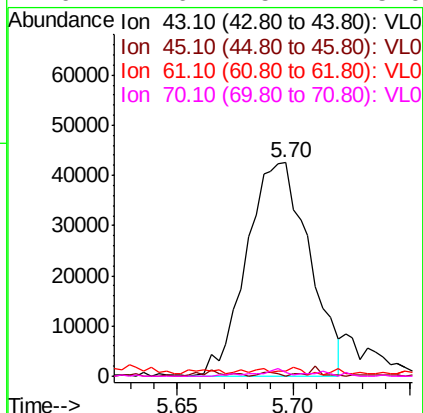
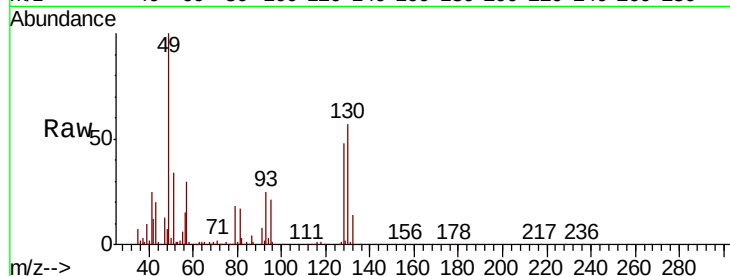
86 67.3 50.2 75.2





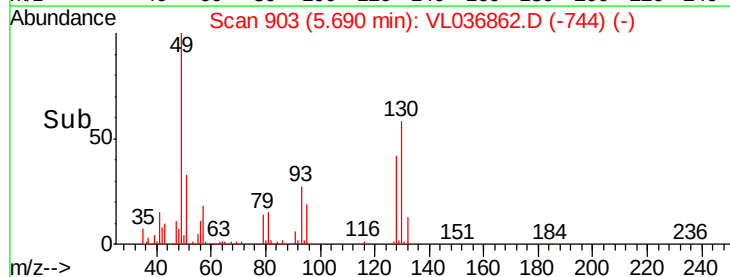
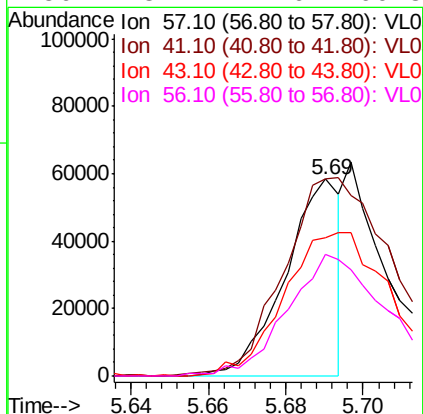
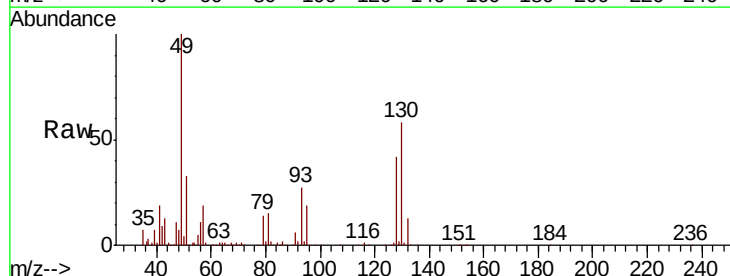
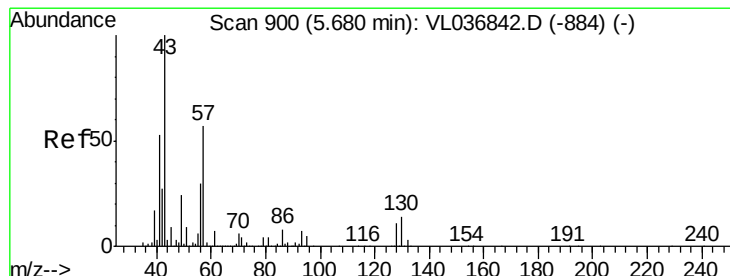
#25
Ethyl Acetate
Concen: 0.236 ppbv
RT: 5.70 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 17:51

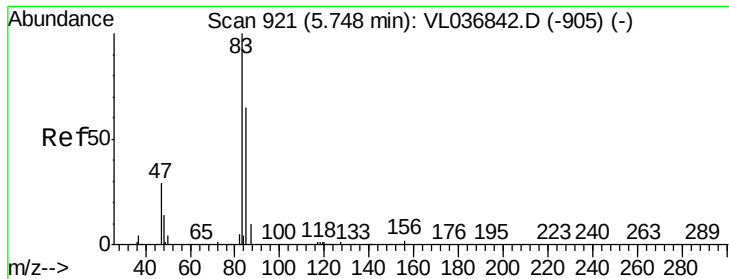
Tot Ion:	43	Resp:	79882
Ion	Ratio	Lower	Upper
43	100		
45	1.1	7.8	11.8#
61	0.0	7.4	11.0#
70	2.6	5.4	8.0#



#26
Hexane
Concen: 0.363 ppbv
RT: 5.69 min Scan# 903
Delta R.T.: 0.01 min
Lab File: VL036862.D
Acq: 27 Apr 2021 17:51

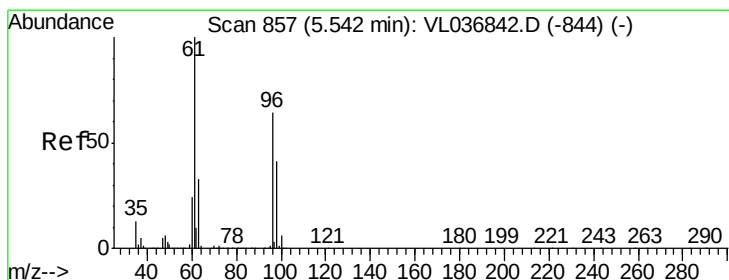
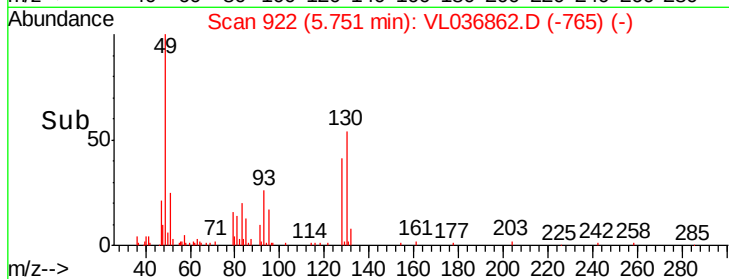
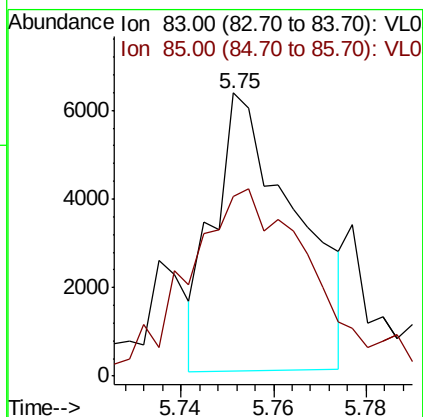
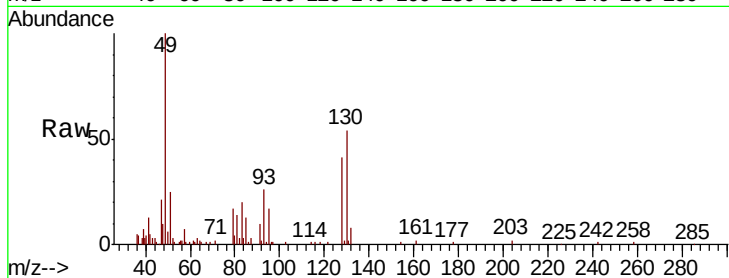
Tgt Ion:	57	Resp:	57519
Ion	Ratio	Lower	Upper
57	100		
41	0.0	77.7	116.5#
43	0.0	180.5	270.7#
56	123.1	44.6	66.8#





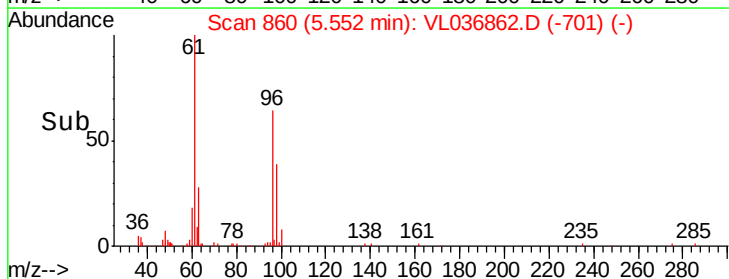
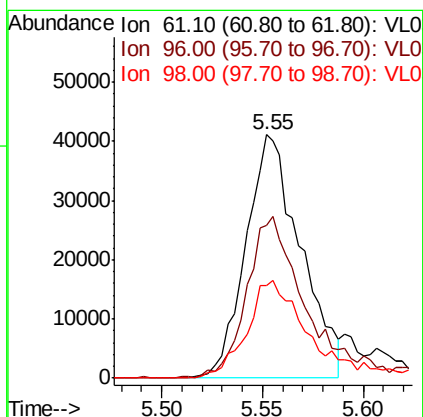
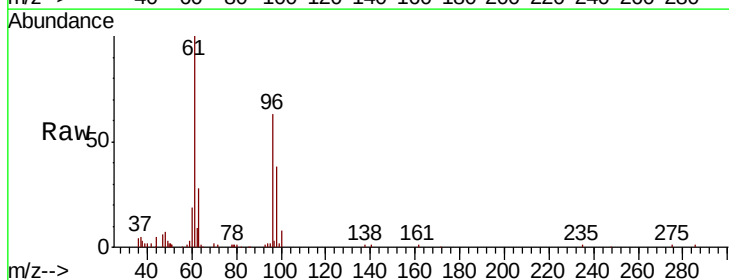
#29
Chloroform
Concen: 0.031 ppbv
RT: 5.75 min
Delta R.T. MSVOA_L
Lab File: ClientSampleId :
Acq: 27 Apr 2021 17:51

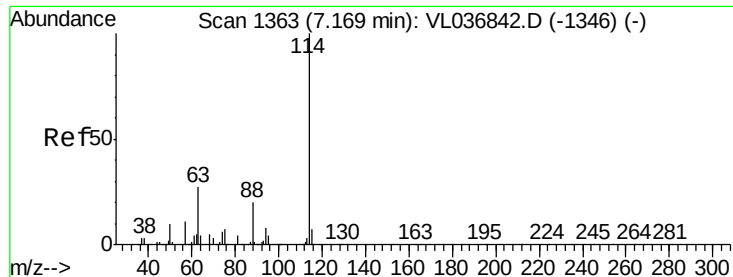
Tot Ion: 83 Resp: 7625
Ion Ratio Lower Upper
83 100
85 60.0 52.2 78.4



#31
cis-1,2-Dichloroethene
Concen: 0.547 ppbv
RT: 5.55 min Scan# 860
Delta R.T. 0.01 min
Lab File: VL036862.D
Acq: 27 Apr 2021 17:51

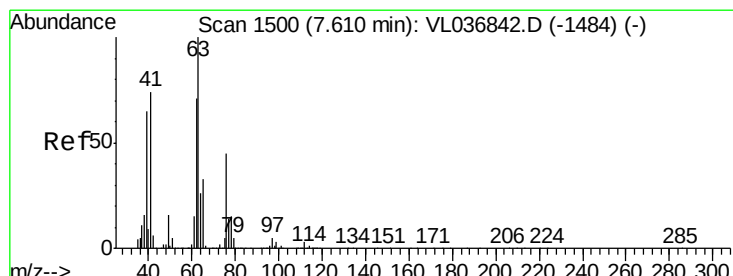
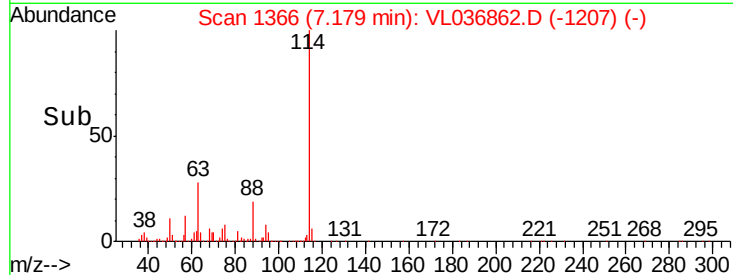
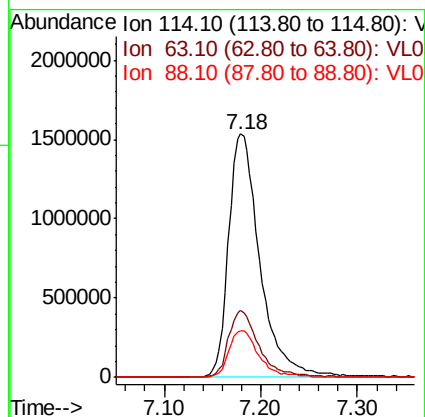
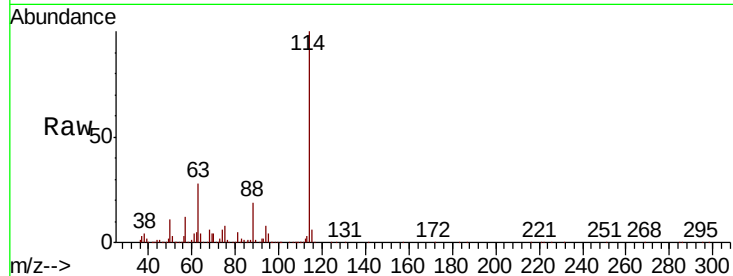
Tgt Ion: 61 Resp: 77769
Ion Ratio Lower Upper
61 100
96 61.7 51.0 76.6
98 38.0 32.7 49.1





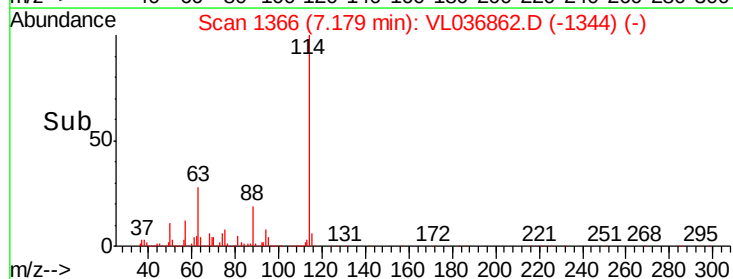
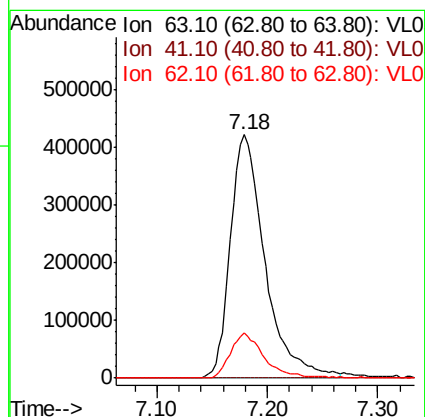
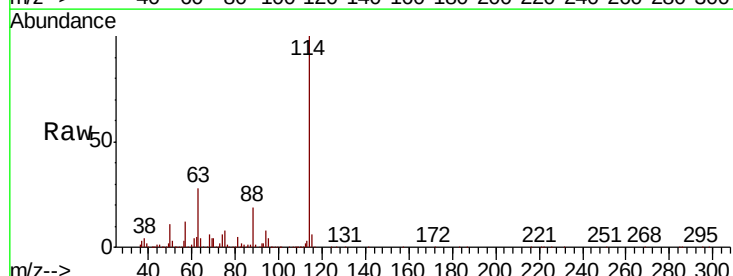
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min
 Instrument: MSVOA_1
 Delta R.T.:
 Lab File: ClientSampleId:
 Acq: 27 Apr 2021 17:51

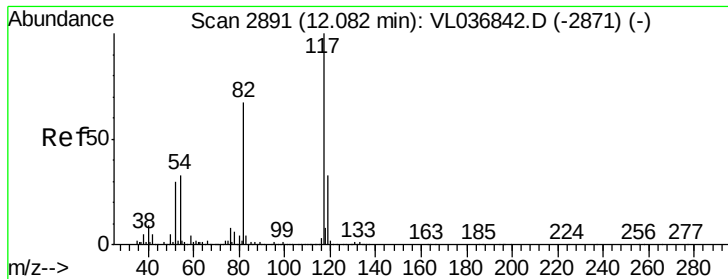
Tot Ion:	114	Resp:	3445954
Ion	Ratio	Lower	Upper
114	100		
63	27.2	21.9	32.9
88	18.8	15.1	22.7



#39
 1,2-Dichloropropane
 Concen: 7.921 ppbv
 RT: 7.18 min Scan# 1366
 Delta R.T.: -0.43 min
 Lab File: VL036862.D
 Acq: 27 Apr 2021 17:51

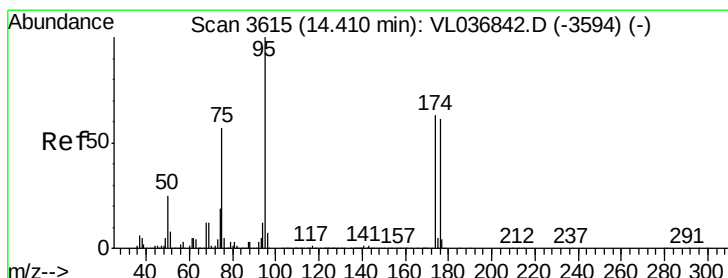
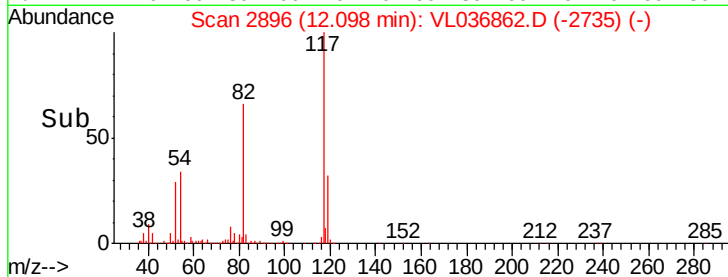
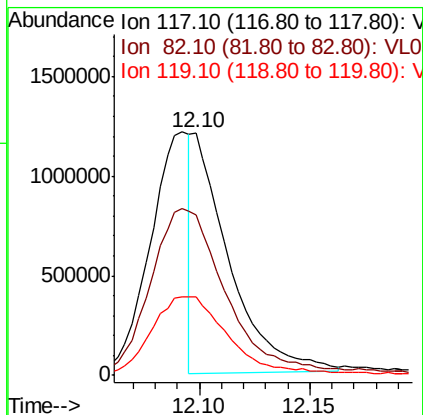
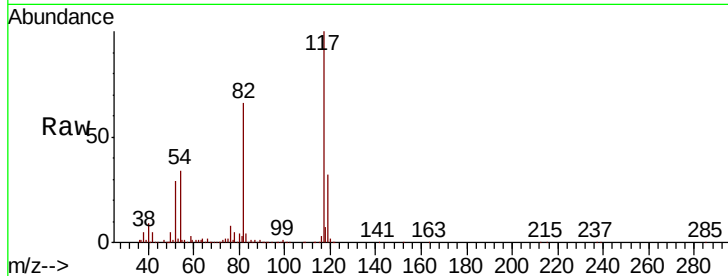
Tgt Ion:	63	Resp:	921384
Ion	Ratio	Lower	Upper
63	100		
41	0.1	59.1	88.7#
62	18.4	56.9	85.3#





#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.10 min
Instrument: MSVOA_1
Delta R.T.:
Lab File: ClientSampleId:
Acq: 27 Apr 2021 17:51

Tot Ion: 117 Resp: 1380293
Ion Ratio Lower Upper
117 100
82 0.0 53.5 80.3#
119 0.0 25.6 38.4#



#68
1-Bromo-4-Fluorobenzene
Concen: 22.241 ppbv
RT: 14.43 min Scan# 3620
Delta R.T.: 0.02 min
Lab File: VL036862.D
Acq: 27 Apr 2021 17:51

Tgt Ion: 95 Resp: 2464320
Ion Ratio Lower Upper
95 100
174 64.4 52.2 78.2
175 4.3 4.0 6.0

