

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091020\
 Data File : VL035590.D
 Acq On : 10 Sep 2020 19:20
 Operator : SY/AP
 Sample : CAN 10601
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10601

Quant Time: Sep 11 08:13:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Aug 27 06:46:28 2020
 QLast Update : Thu Aug 27 06:46:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.66	49	1018072	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.17	114	4102639	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.09	117	4121287	10.00	ppbv	-0.03

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.43	95	3092657	10.57	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

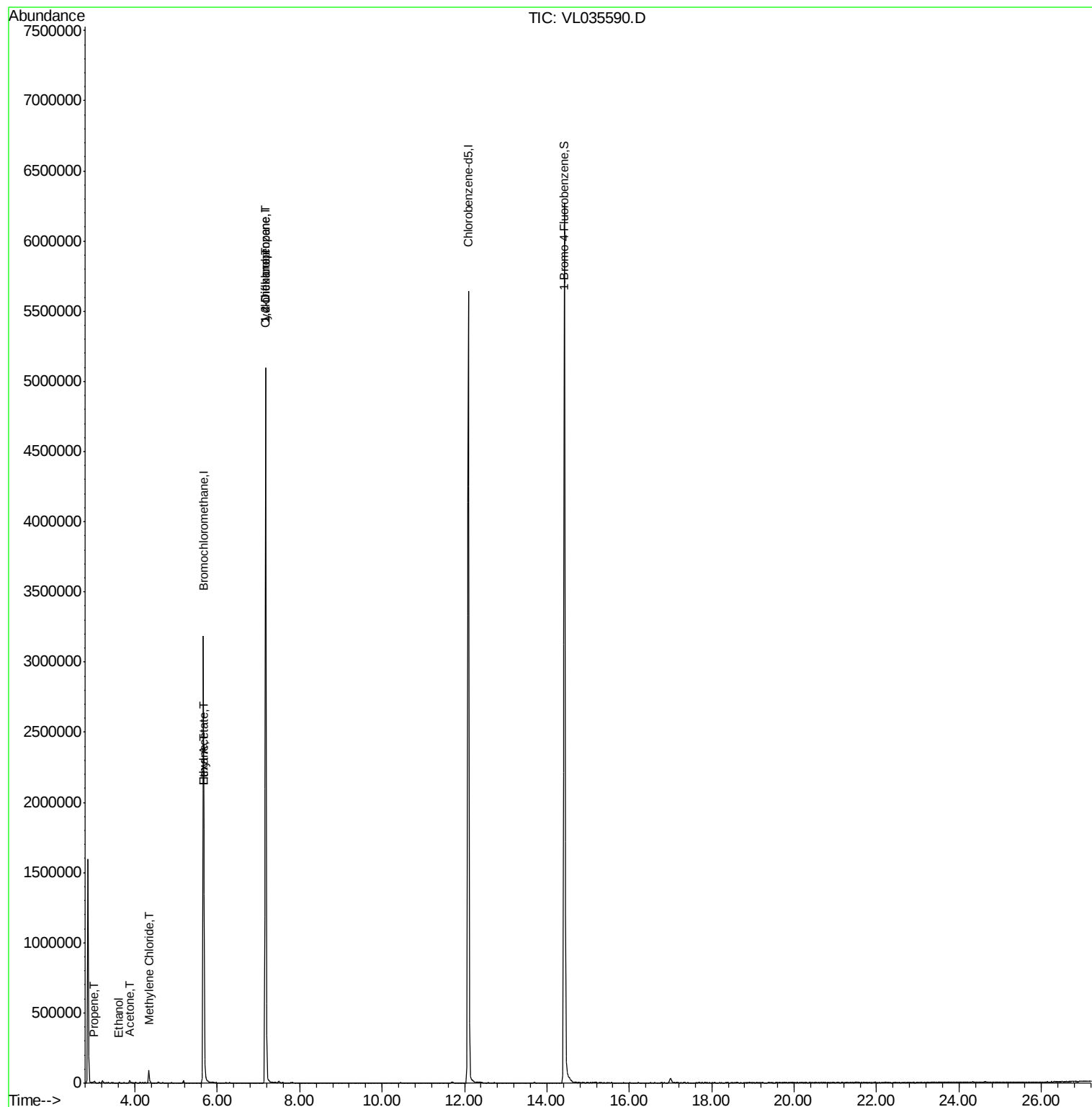
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.01	41	3537	0.081	ppbv	86
13) Ethanol	3.62	45	739	0.069	ppbv #	49
15) Acetone	3.87	43	7336	0.065	ppbv #	39
20) Methylene Chloride	4.34	84	41400	0.495	ppbv	96
25) Ethyl Acetate	5.68	43	7699	0.039	ppbv #	71
26) Hexane	5.68	57	13963	0.124	ppbv #	46
30) Cyclohexane	7.16	84	6031	0.050	ppbv #	11
39) 1,2-Dichloropropane	7.17	63	767465	8.555	ppbv #	32

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

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.66 min Scan# 894

Delta R.T. -0.02 min

Lab File: VL035590.D

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CAN 10601

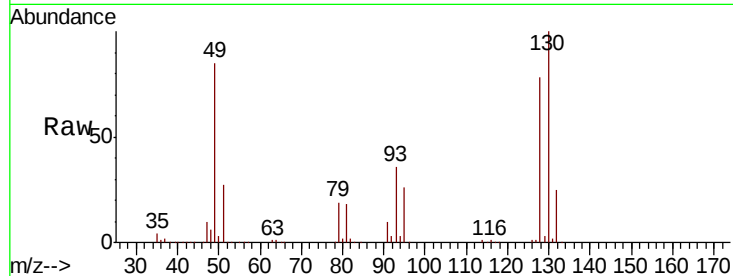
Tot Ion: 49 Resp: 1018072

Ion Ratio Lower Upper

49 100

128 92.3 50.0 150.1

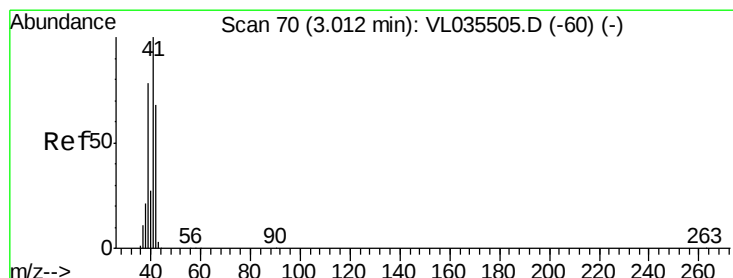
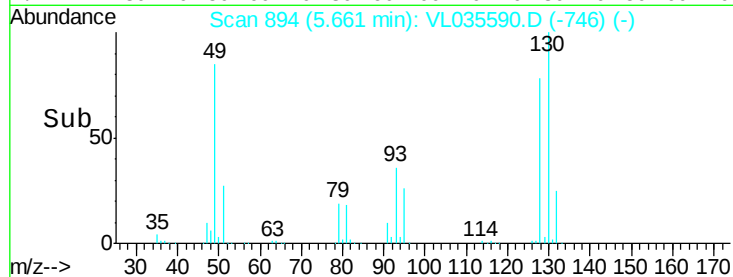
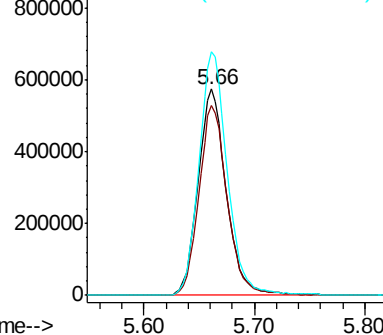
130 119.4 64.4 193.2



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



#9

Propene

Concen: 0.081 ppbv

RT: 3.01 min Scan# 69

Delta R.T. -0.00 min

Lab File: VL035590.D

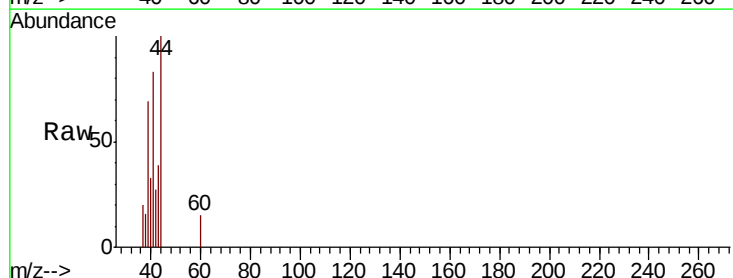
Acq: 10 Sep 2020 19:20

Tgt Ion: 41 Resp: 3537

Ion Ratio Lower Upper

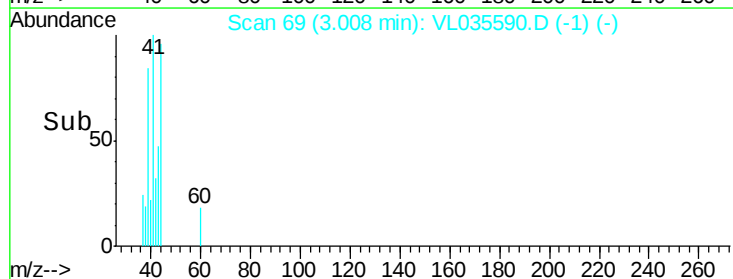
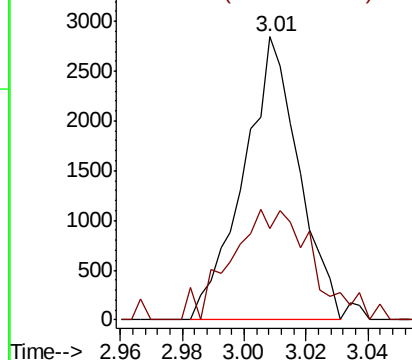
41 100

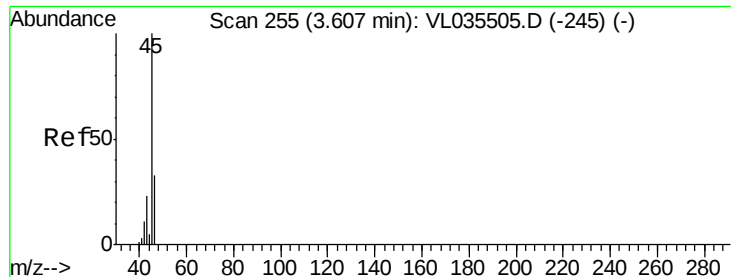
42 59.1 56.3 84.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.069 ppbv

RT: 3.62 min Scan# 259

Delta R.T. 0.01 min

Lab File: VL035590.D

Acq: 10 Sep 2020 19:20

Instrument :

MSVOA_L

ClientSampleId :

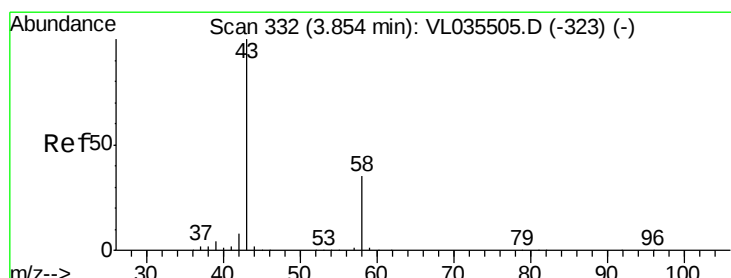
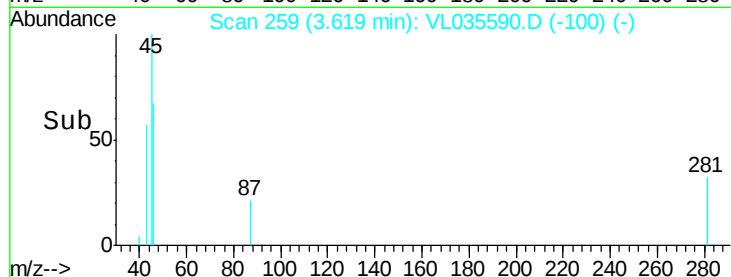
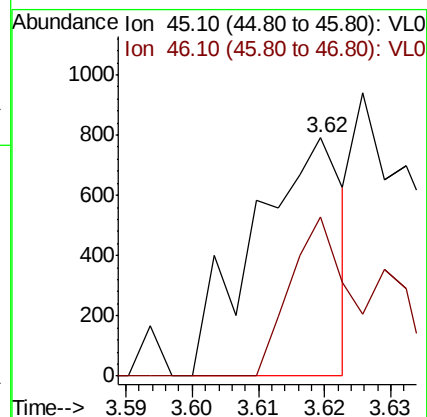
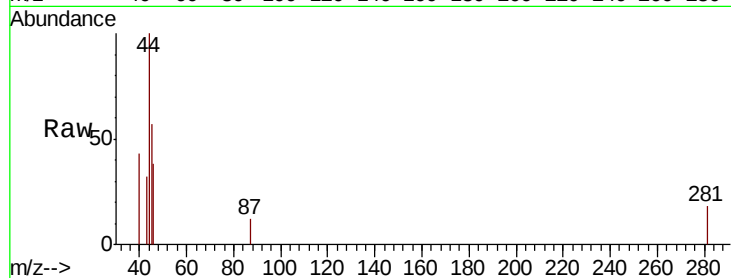
CAN 10601

Tot Ion: 45 Resp: 739

Ion Ratio Lower Upper

45 100

46 68.6 15.2 60.6#



#15

Acetone

Concen: 0.065 ppbv

RT: 3.87 min Scan# 336

Delta R.T. 0.01 min

Lab File: VL035590.D

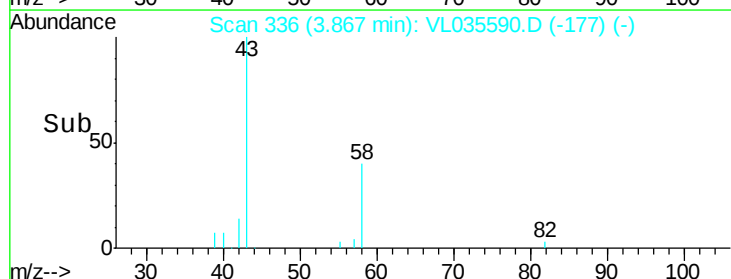
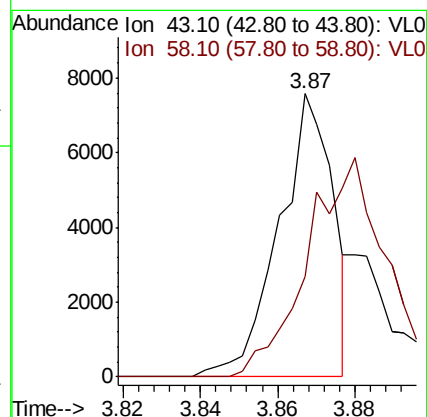
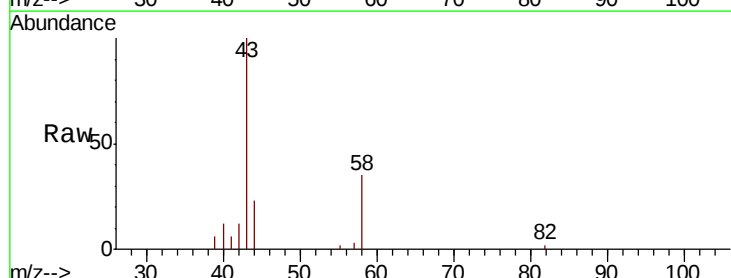
Acq: 10 Sep 2020 19:20

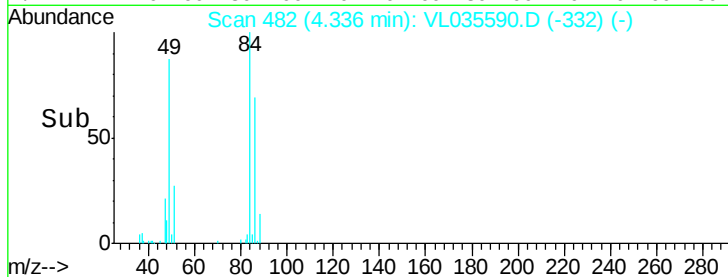
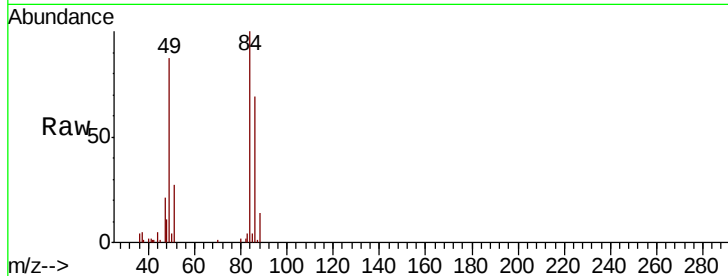
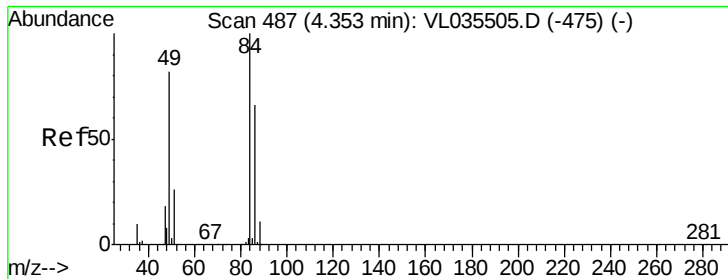
Tgt Ion: 43 Resp: 7336

Ion Ratio Lower Upper

43 100

58 0.0 28.4 42.6#

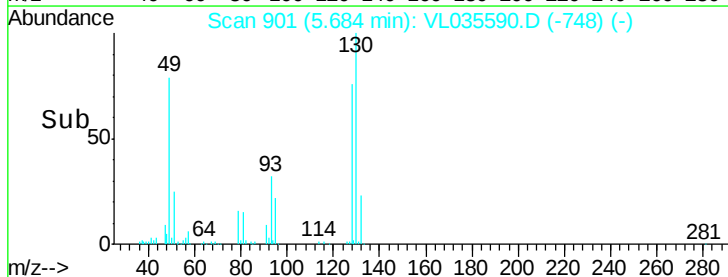
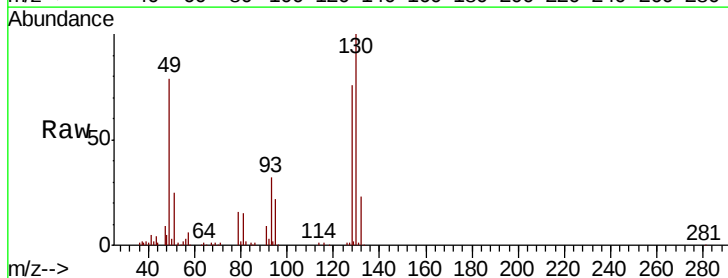
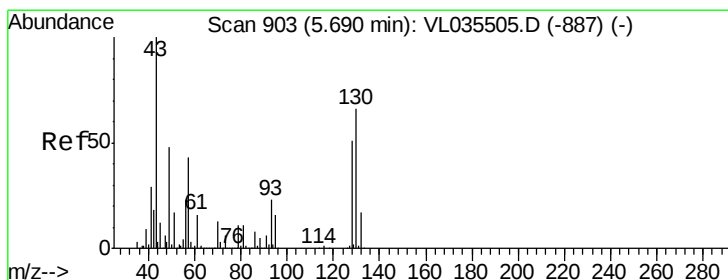
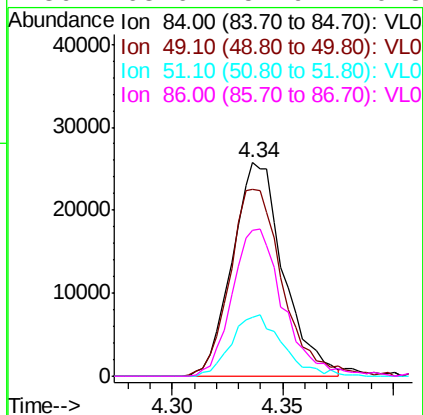




#20
Methylene Chloride
Concen: 0.495 ppbv
RT: 4.34 min Scan# 482
Delta R.T. -0.02 min
Lab File: VL035590.D
Acq: 10 Sep 2020 19:20

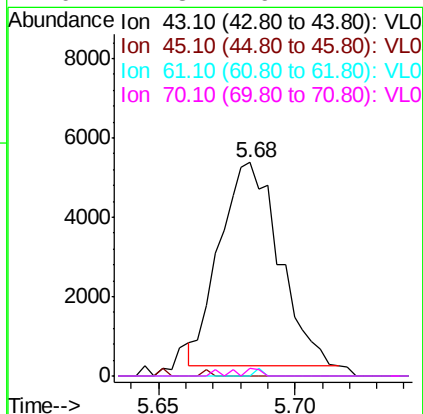
Instrument :
MSVOA_L
ClientSampleId :
CAN 10601

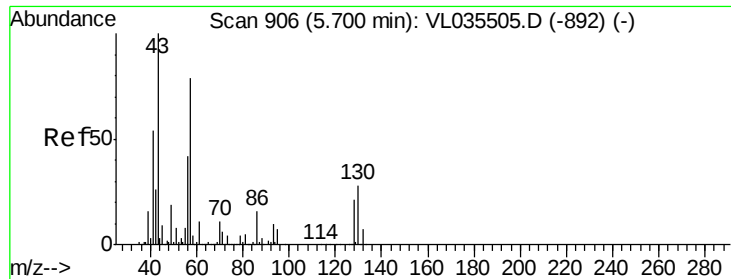
Tot Ion:	84	Resp:	41400
Ion	Ratio	Lower	Upper
84	100		
49	86.4	65.4	98.0
51	27.4	21.5	32.3
86	68.6	52.9	79.3



#25
Ethyl Acetate
Concen: 0.039 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.01 min
Lab File: VL035590.D
Acq: 10 Sep 2020 19:20

Tgt Ion:	43	Resp:	7699
Ion	Ratio	Lower	Upper
43	100		
45	0.9	8.4	12.6#
61	0.0	10.6	16.0#
70	1.8	9.4	14.2#

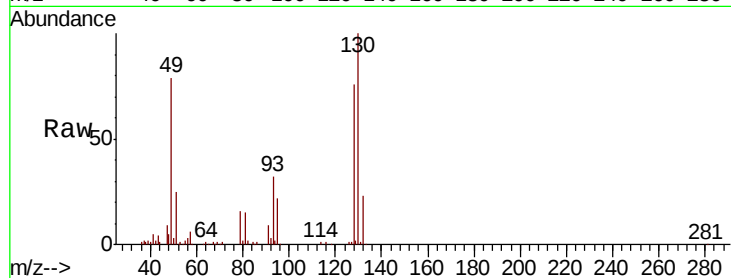




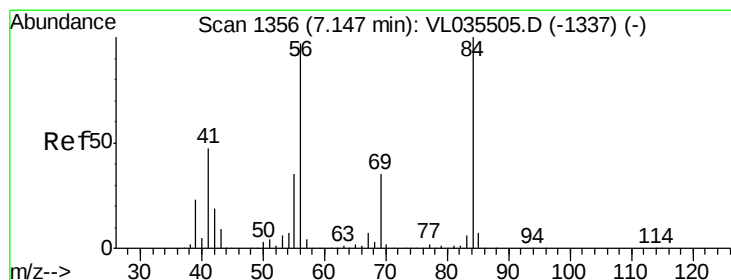
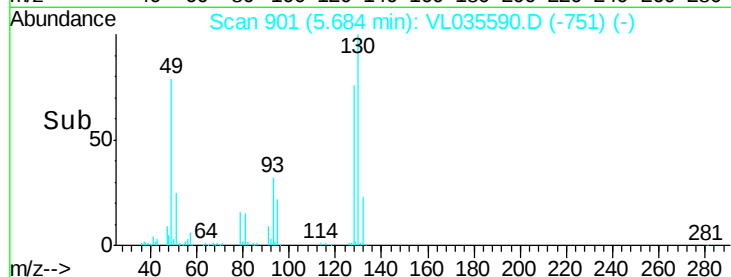
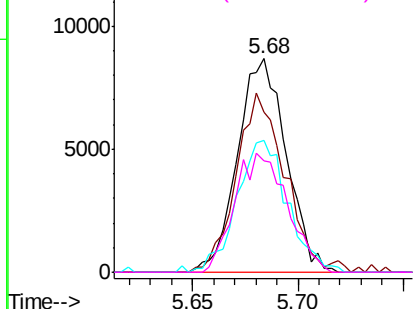
#26
Hexane
Concen: 0.124 ppbv
RT: 5.68 min Scan# 901
Delta R.T. -0.02 min
Lab File: VL035590.D
Acq: 10 Sep 2020 19:20

Instrument :
MSVOA_L
ClientSampleId :
CAN 10601

Tot Ion: 57 Resp: 13963
Ion Ratio Lower Upper
57 100
41 85.0 55.9 83.9#
43 64.8 141.8 212.8#
56 60.1 41.8 62.8

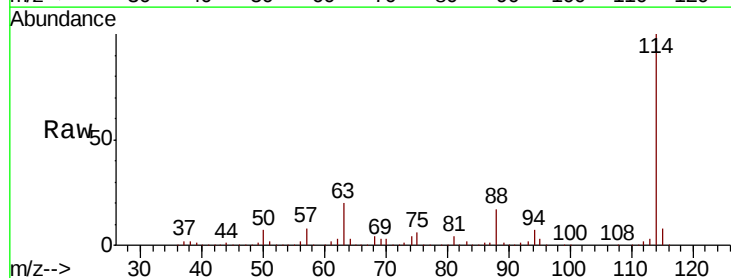


Abundance Ion 57.10 (56.80 to 57.80): VL0
Ion 41.10 (40.80 to 41.80): VL0
Ion 43.10 (42.80 to 43.80): VL0
Ion 56.10 (55.80 to 56.80): VL0

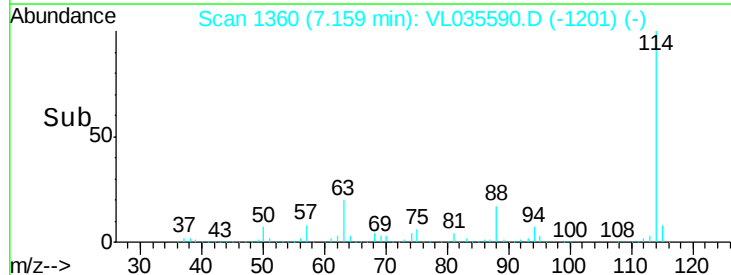
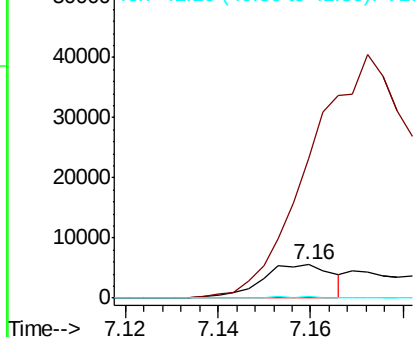


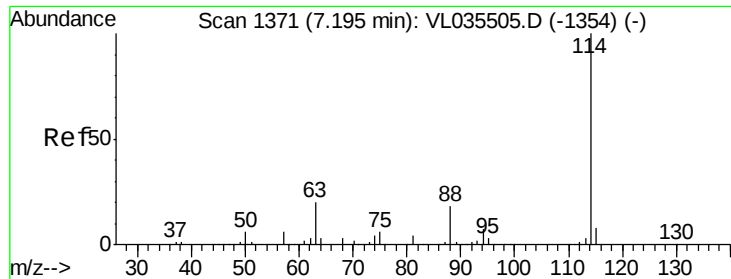
#30
Cyclohexane
Concen: 0.050 ppbv
RT: 7.16 min Scan# 1360
Delta R.T. 0.01 min
Lab File: VL035590.D
Acq: 10 Sep 2020 19:20

Tgt Ion: 84 Resp: 6031
Ion Ratio Lower Upper
84 100
56 0.0 80.1 120.1#
41 2.6 38.1 57.1#



Abundance Ion 84.20 (83.90 to 84.90): VL0
Ion 56.10 (55.80 to 56.80): VL0
Ion 41.10 (40.80 to 41.80): VL0



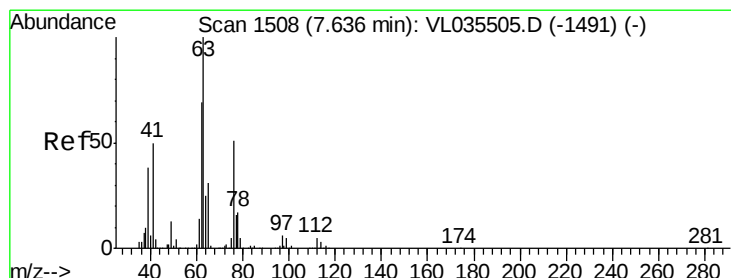
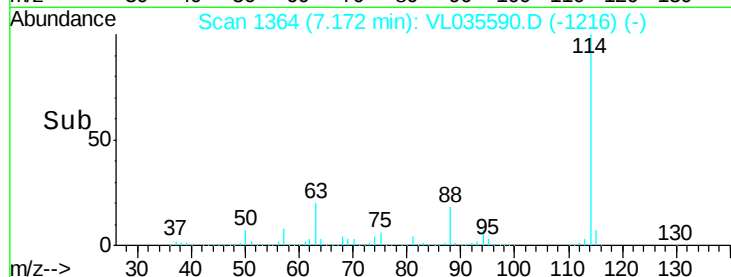
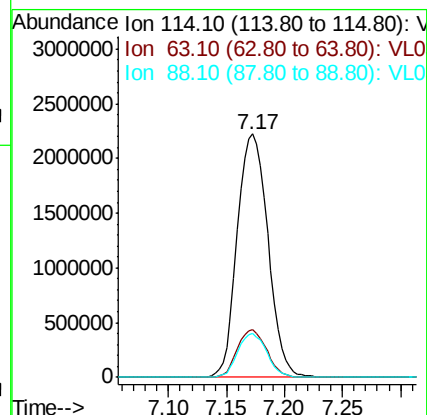
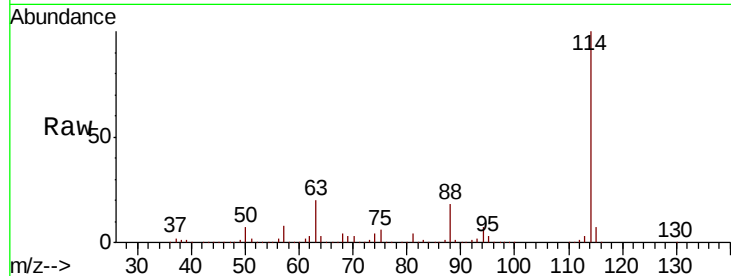


#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL035590.D
 Acq: 10 Sep 2020 19:20

Instrument :
 MSVOA_L
 ClientSampleId :
 CAN 10601

Tot Ion:114 Resp: 4102639

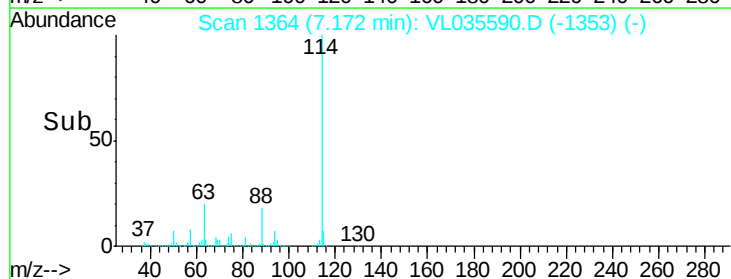
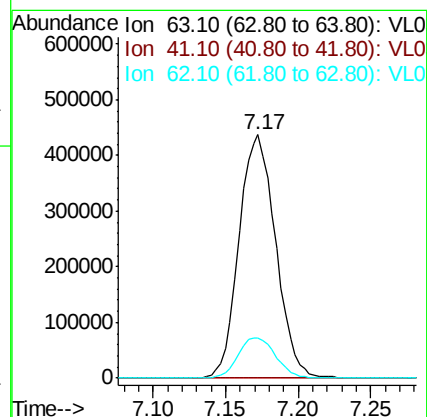
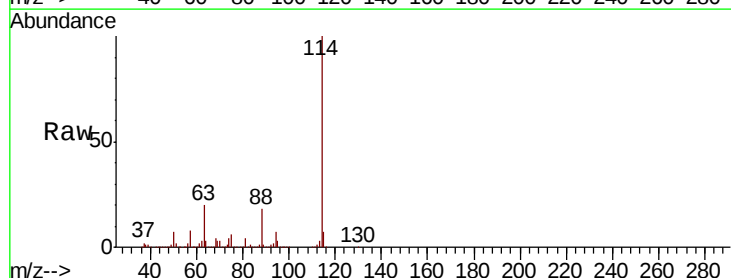
Ion	Ratio	Lower	Upper
114	100		
63	18.8	14.7	22.1
88	17.1	13.4	20.2

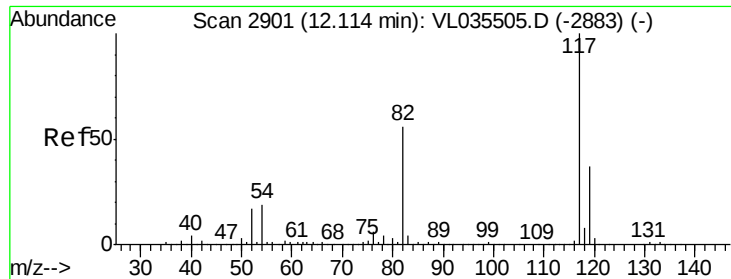


#39
 1,2-Dichloropropane
 Concen: 8.555 ppbv
 RT: 7.17 min Scan# 1364
 Delta R.T. -0.46 min
 Lab File: VL035590.D
 Acq: 10 Sep 2020 19:20

Tgt Ion: 63 Resp: 767465

Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.4	55.4	83.0#

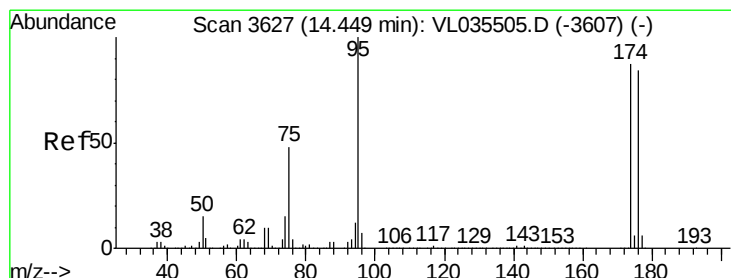
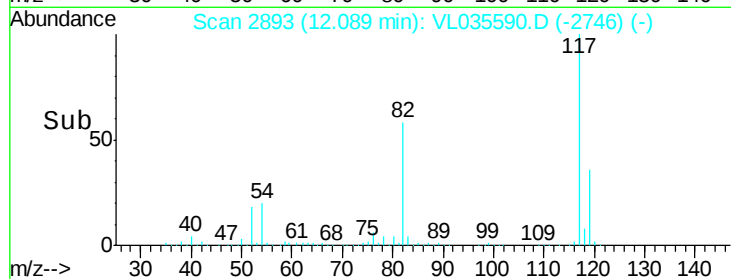
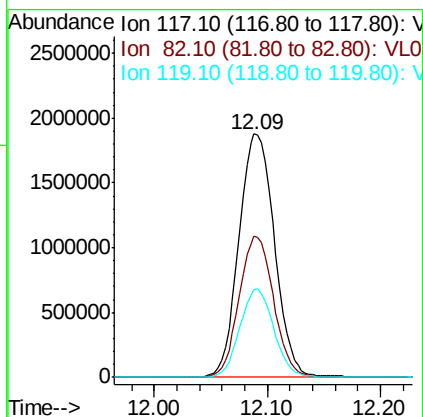
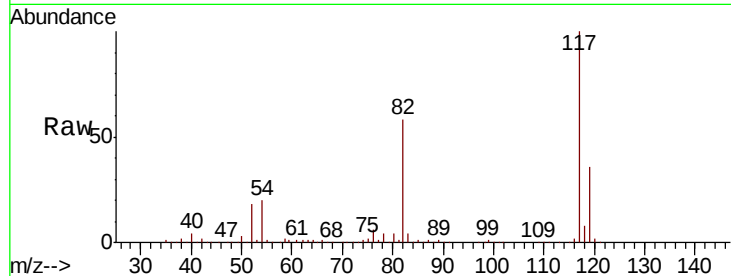




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.09 min Scan# 2893
Delta R.T. -0.03 min
Lab File: VL035590.D
Acq: 10 Sep 2020 19:20

Instrument :
MSVOA_L
ClientSampleId :
CAN 10601

Tot Ion:117 Resp: 4121287
Ion Ratio Lower Upper
117 100
82 56.6 41.6 62.4
119 34.7 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.567 ppbv
RT: 14.43 min Scan# 3620
Delta R.T. -0.02 min
Lab File: VL035590.D
Acq: 10 Sep 2020 19:20

Tgt Ion: 95 Resp: 3092657
Ion Ratio Lower Upper
95 100
174 82.3 69.6 104.4
175 5.9 5.1 7.7

