

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL051220\
 Data File : VL034989.D
 Acq On : 12 May 2020 16:23
 Operator : SY/AP
 Sample : L2567-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Manual Integrations
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Quant Time: May 14 13:07:35 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed May 0
 QLast Update : Wed May 06 14:49:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1077183	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.18	114	2467773	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.11	117	2285049	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.45	95	1874575	10.13	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	101.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	2.98	41	18527	0.347	ppbv	89
13) Ethanol	3.58	45	30552m	1.735	ppbv	
15) Acetone	3.83	43	155610	1.093	ppbv	97
19) Isopropyl Alcohol	3.96	45	41802m	0.440	ppbv	
26) Hexane	5.67	57	43054	0.415	ppbv #	54
38) Trichloroethene	7.85	130	14756m	0.187	ppbv	
52) Tetrachloroethene	11.25	164	106700	1.475	ppbv	89
53) Toluene	9.82	91	199225	0.924	ppbv	97

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

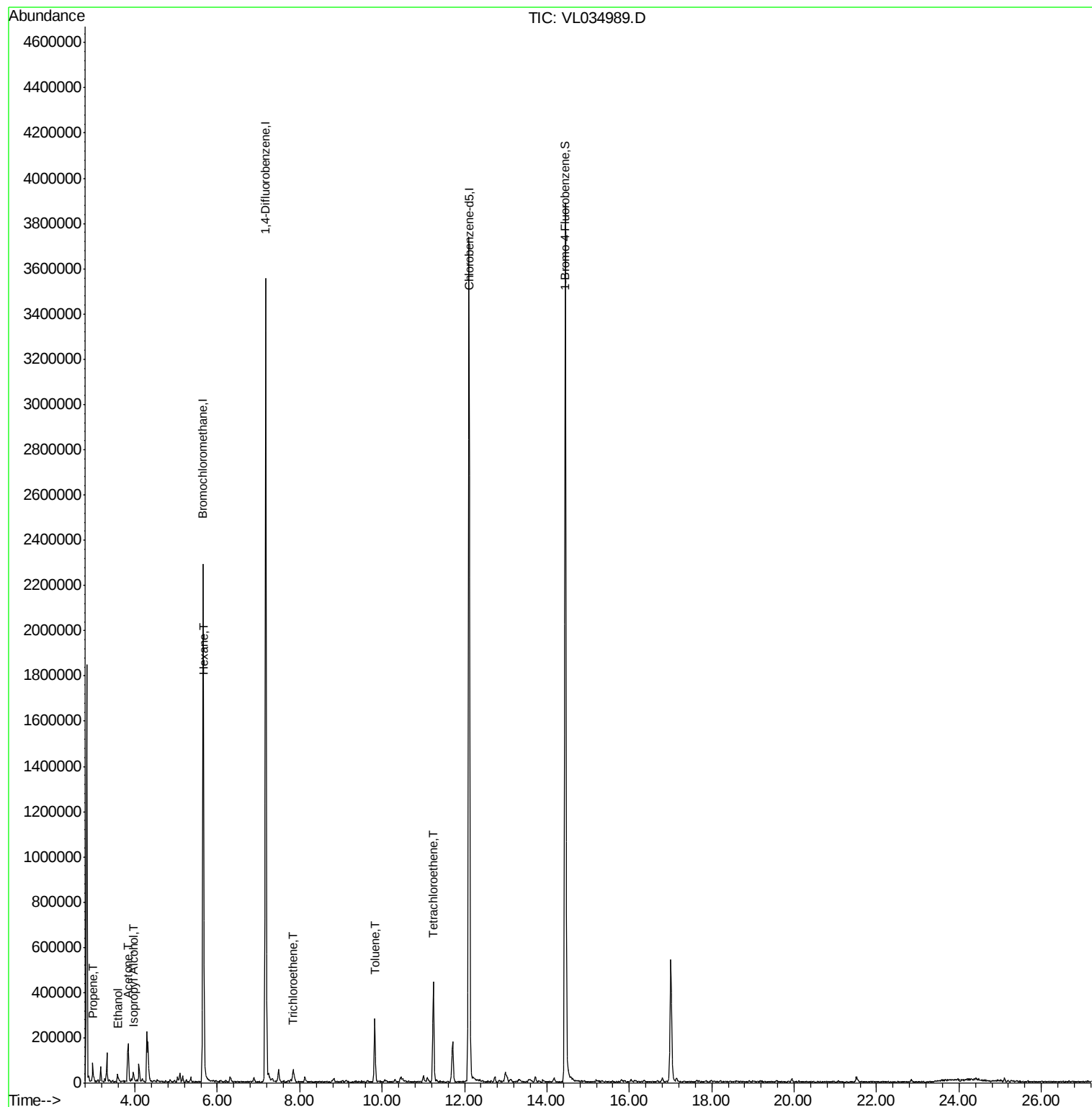
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL051220\
Data File : VL034989.D
Acq On : 12 May 2020 16:23
Operator : SY/AP
Sample : L2567-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

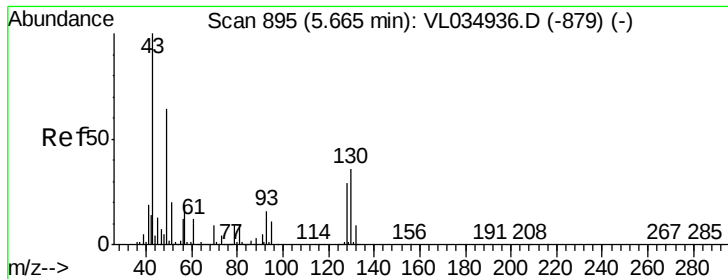
Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

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Quant Time: May 14 13:07:35 2020
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL050620AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed May
QLast Update : Wed May 06 14:49:39 2020
Response via : Initial Calibration





#1

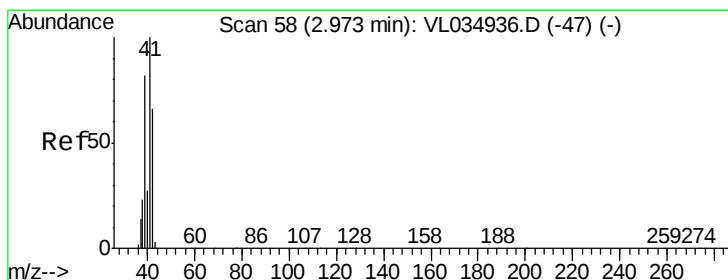
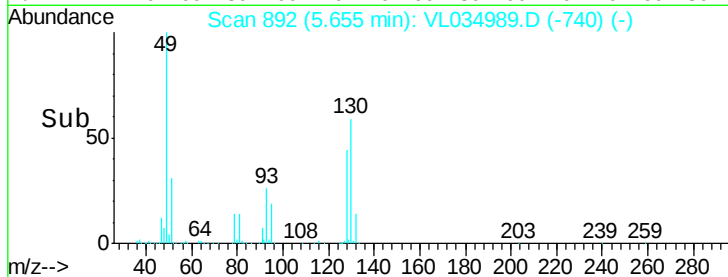
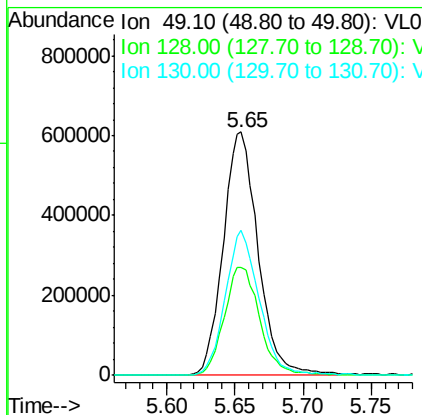
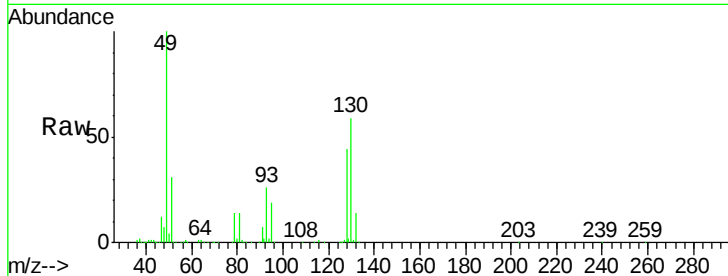
Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.65 min Scan# 892
 Delta R.T. -0.01 min
 Lab File: VL034989.D
 Acq: 12 May 2020 16:23

Instrument :
 MSVOA_L
 ClientSampled :
 IA-4DL

Tot Ion: 49 Resp: 1077183
 Ion Ratio Lower Upper
 49 100
 128 46.0 22.1 66.5
 130 58.9 29.1 87.3

Manual Integrations
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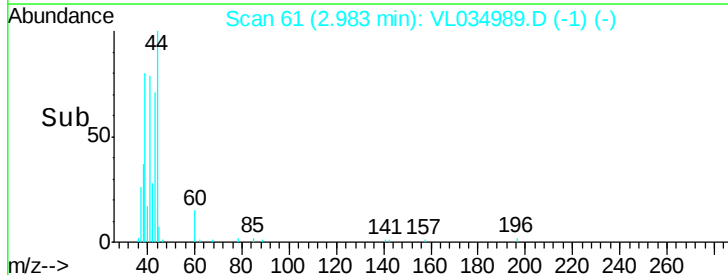
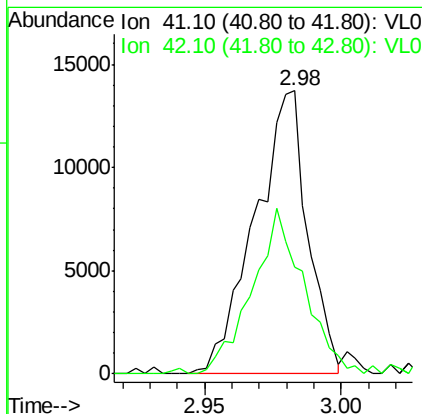
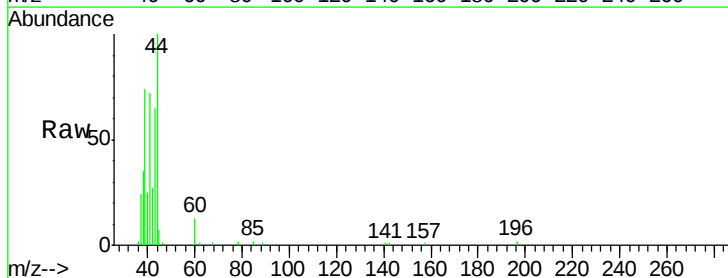
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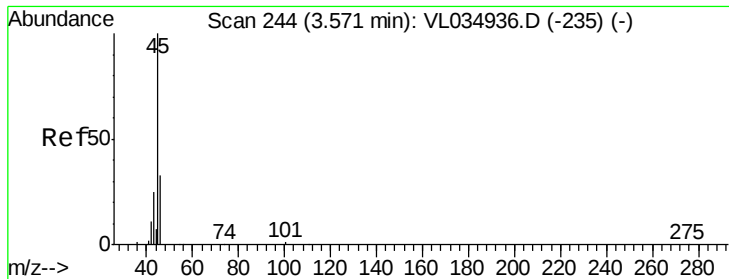


#9

Propene
 Concen: 0.347 ppbv
 RT: 2.98 min Scan# 61
 Delta R.T. 0.01 min
 Lab File: VL034989.D
 Acq: 12 May 2020 16:23

Tgt Ion: 41 Resp: 18527
 Ion Ratio Lower Upper
 41 100
 42 59.2 54.5 81.7





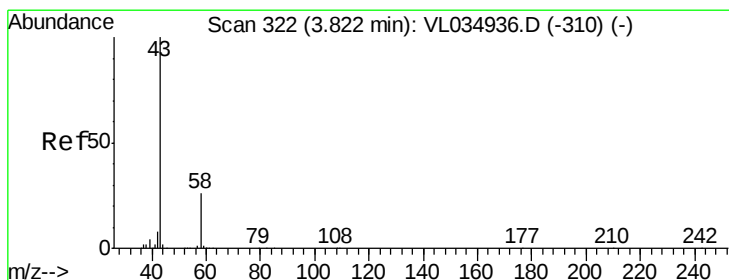
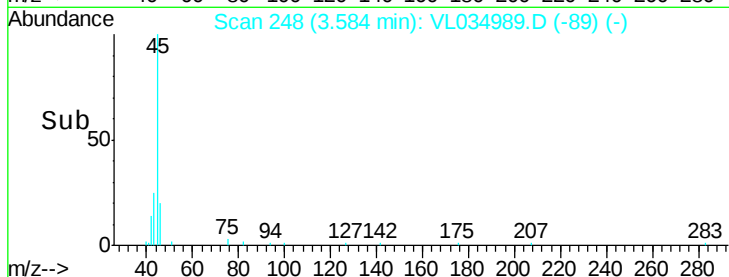
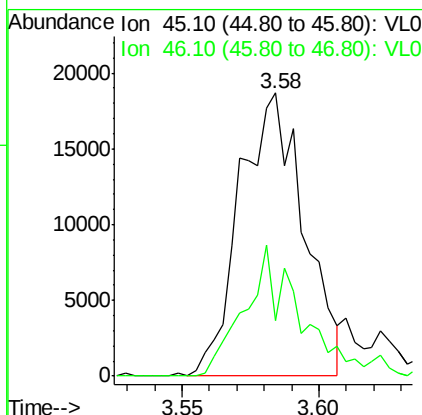
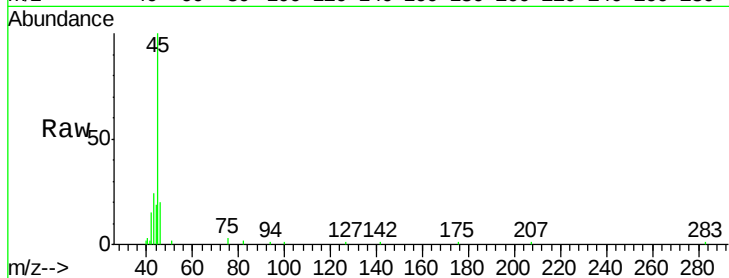
#13
Ethanol
Concen: 1.735 ppbv m
RT: 3.58 min Scan# 248
Delta R.T. 0.01 min
Lab File: VL034989.D
Acq: 12 May 2020 16:23

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tot Ion: 45 Resp: 30552
Ion Ratio Lower Upper
45 100
46 0.0 14.3 57.3#

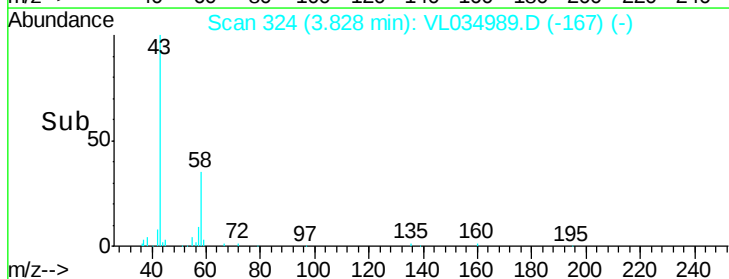
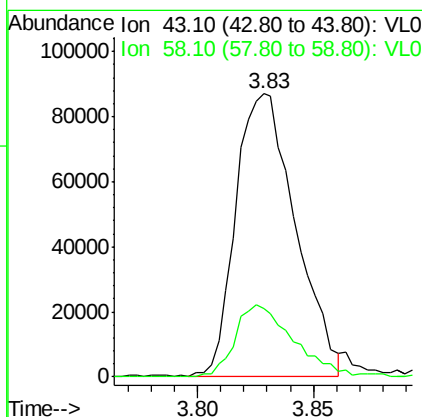
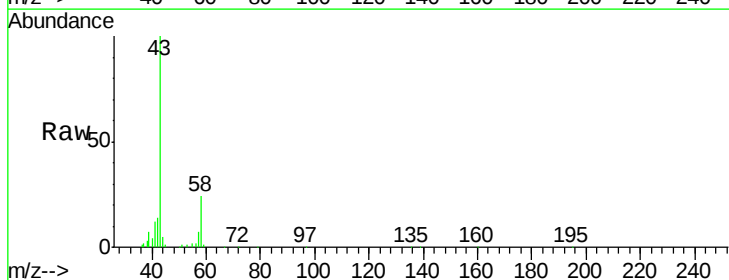
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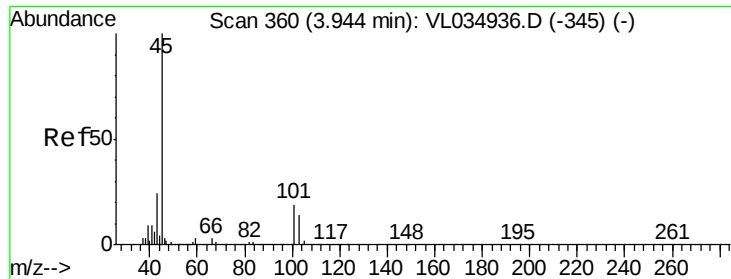
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#15
Acetone
Concen: 1.093 ppbv
RT: 3.83 min Scan# 324
Delta R.T. 0.01 min
Lab File: VL034989.D
Acq: 12 May 2020 16:23

Tgt Ion: 43 Resp: 155610
Ion Ratio Lower Upper
43 100
58 25.7 21.7 32.5





#19

Isopropyl Alcohol

Concen: 0.440 ppbv m

RT: 3.96 min Scan# 364

Delta R.T. 0.01 min

Lab File: VL034989.D

Acq: 12 May 2020 16:23

Instrument :

MSVOA_L

ClientSampled :

IA-4DL

Tot Ion: 45 Resp: 41802

Ion Ratio Lower Upper

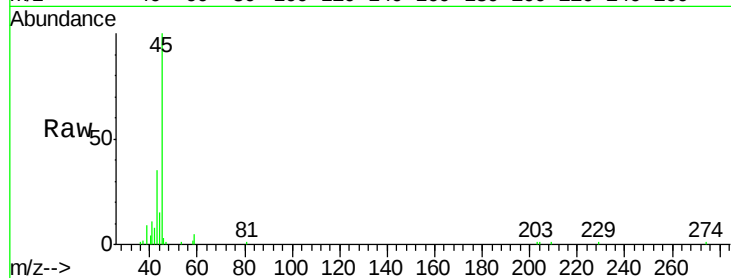
45 100

58 0.0 1.7 2.5#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

3.96

25000

20000

15000

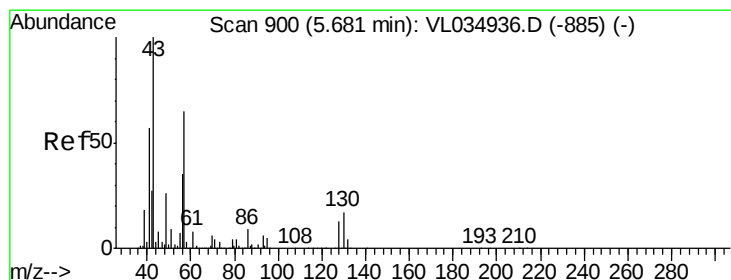
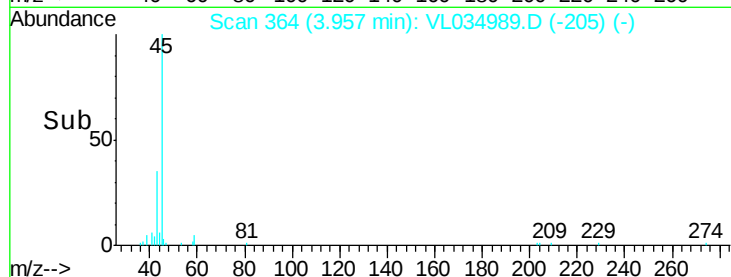
10000

5000

0

Time-->

3.90 3.95 4.00



#26

Hexane

Concen: 0.415 ppbv

RT: 5.67 min Scan# 898

Delta R.T. -0.01 min

Lab File: VL034989.D

Acq: 12 May 2020 16:23

Tgt Ion: 57 Resp: 43054

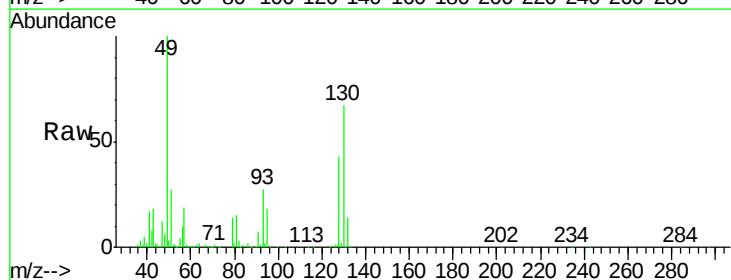
Ion Ratio Lower Upper

57 100

41 100.4 72.7 109.1

43 113.1 182.1 273.1#

56 57.3 42.2 63.2



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

50000

40000

30000

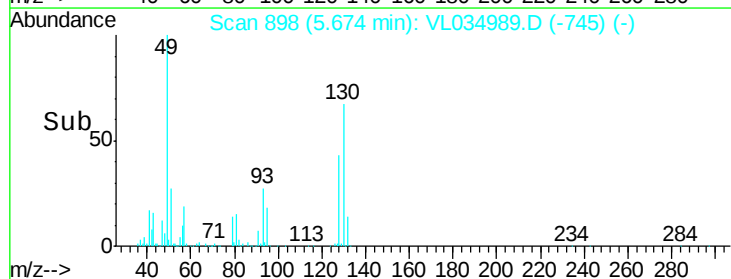
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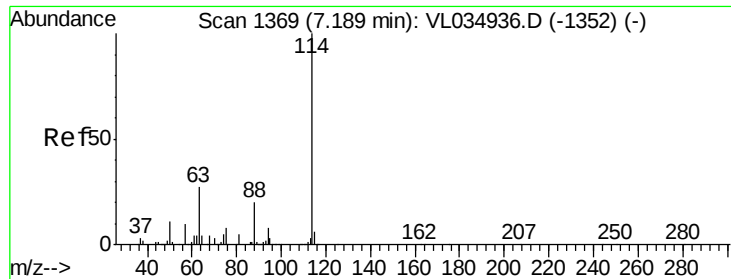
10000

0

Time-->

5.60 5.65 5.70





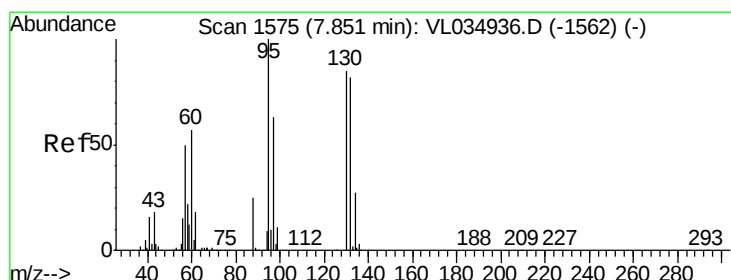
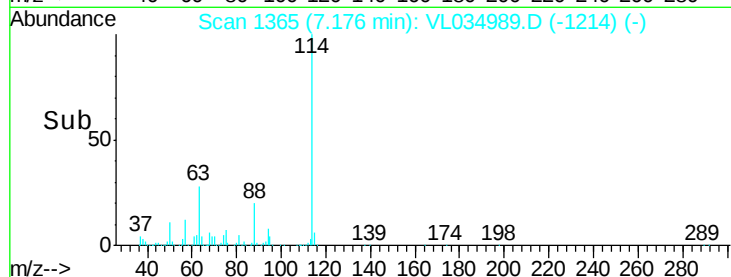
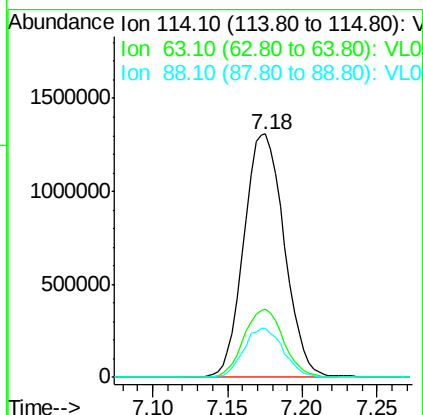
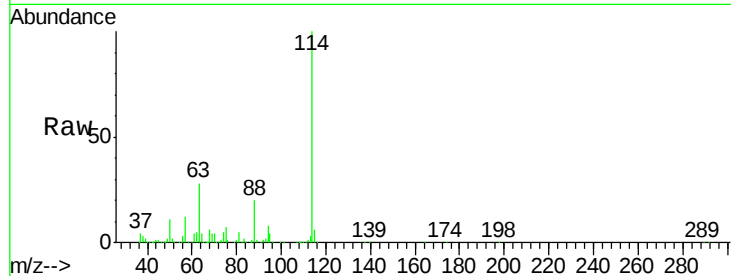
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.18 min Scan# 1365
 Delta R.T. -0.01 min
 Lab File: VL034989.D
 Acq: 12 May 2020 16:23

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-4DL

Tot Ion:114 Resp: 2467773
 Ion Ratio Lower Upper
 114 100
 63 27.6 22.2 33.4
 88 19.7 15.5 23.3

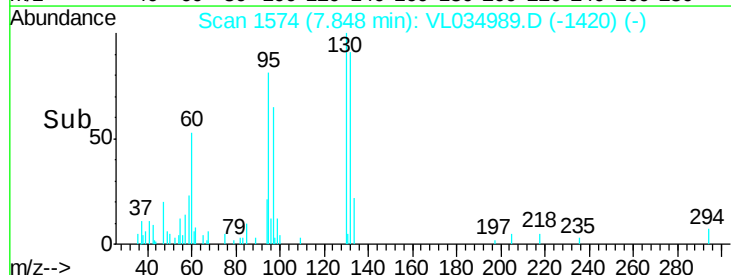
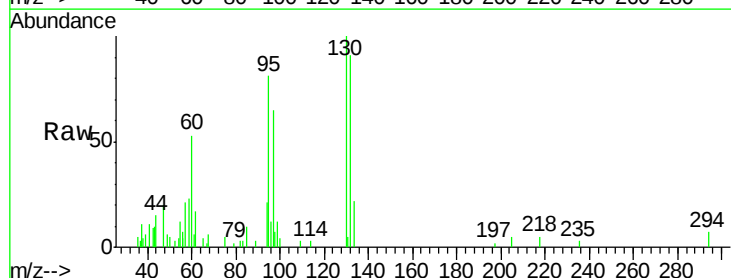
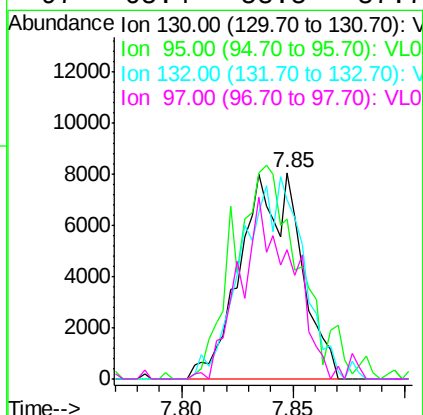
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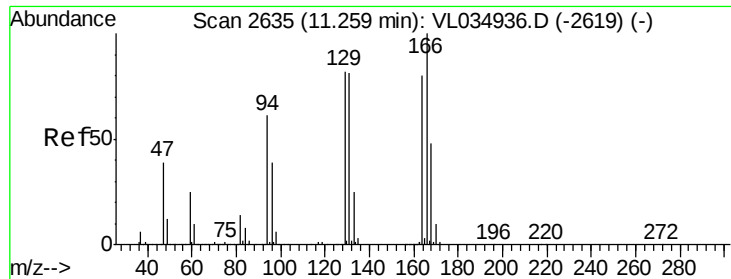
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#38
 Trichloroethene
 Concen: 0.187 ppbv m
 RT: 7.85 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VL034989.D
 Acq: 12 May 2020 16:23

Tgt Ion:130 Resp: 14756
 Ion Ratio Lower Upper
 130 100
 95 81.4 93.4 140.0#
 132 91.0 76.4 114.6
 97 65.4 58.5 87.7





#52

Tetrachloroethene

Concen: 1.475 ppbv

RT: 11.25 min Scan# 2632

Delta R.T. -0.01 min

Lab File: VL034989.D

Acq: 12 May 2020 16:23

Instrument :

MSVOA_L

ClientSampleId :

IA-4DL

Tot Ion:164 Resp: 106700

Ion Ratio Lower Upper

164 100

166 108.2 100.7 151.1

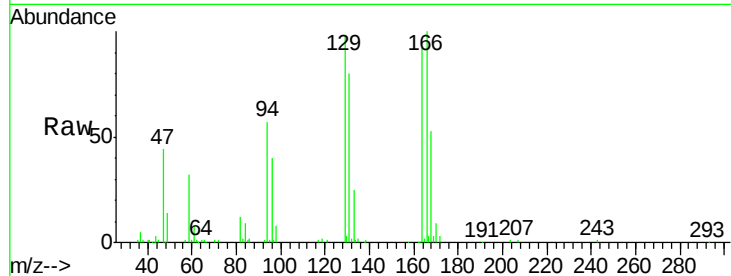
129 107.3 83.0 124.4

131 87.2 81.0 121.4

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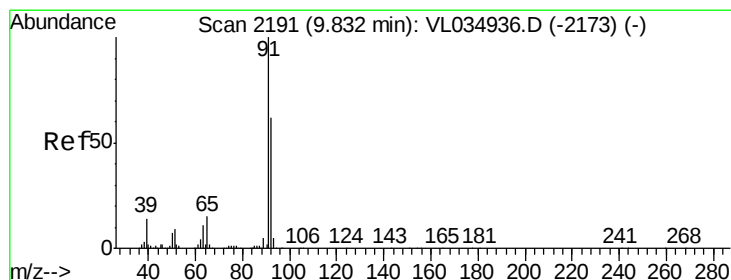
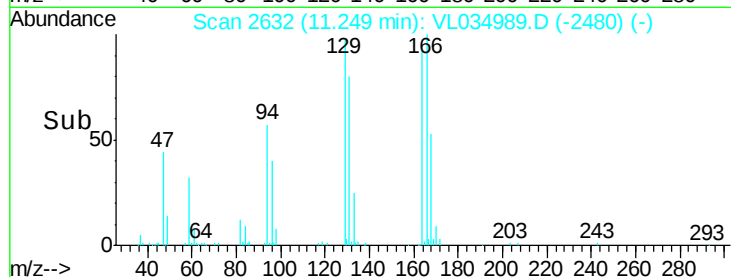
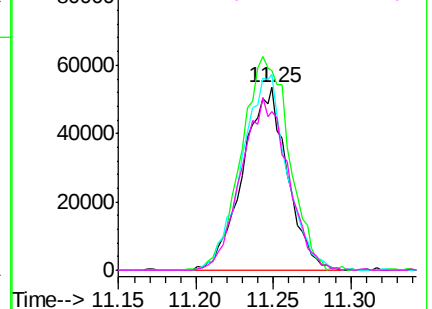


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.924 ppbv

RT: 9.82 min Scan# 2187

Delta R.T. -0.01 min

Lab File: VL034989.D

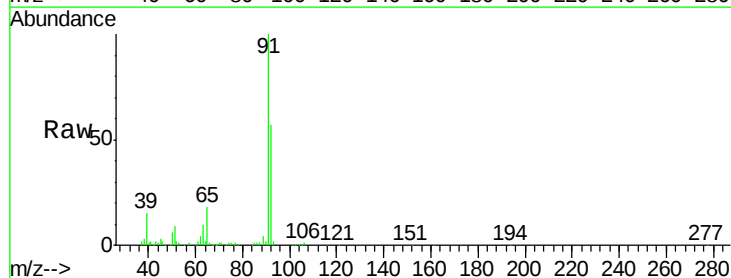
Acq: 12 May 2020 16:23

Tgt Ion: 91 Resp: 199225

Ion Ratio Lower Upper

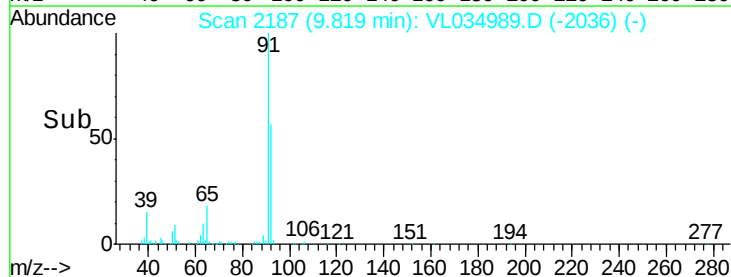
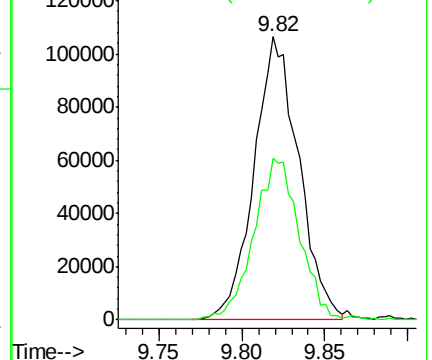
91 100

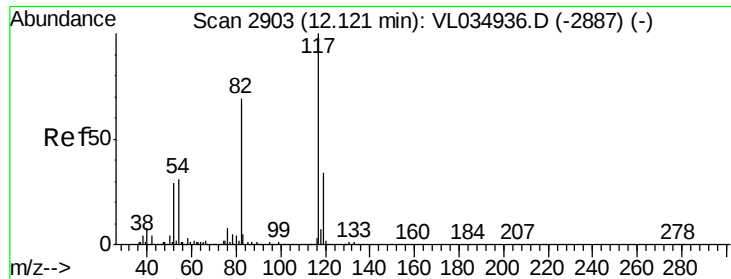
92 58.7 48.6 73.0



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





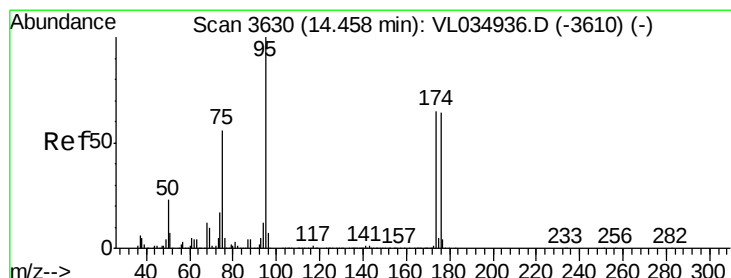
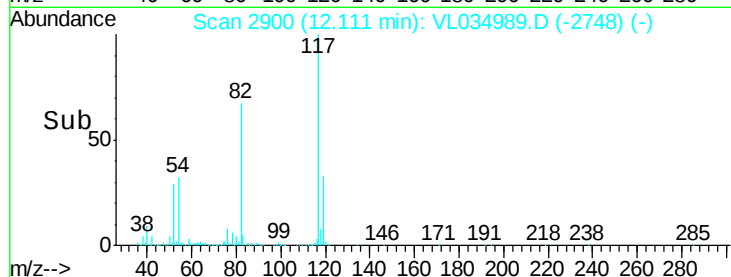
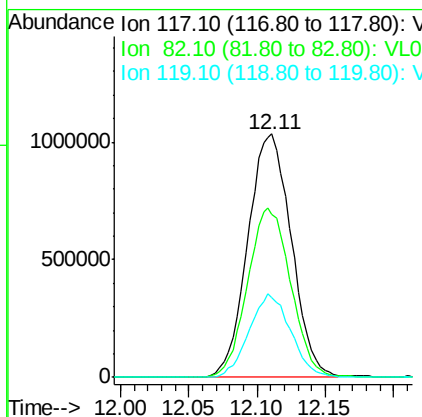
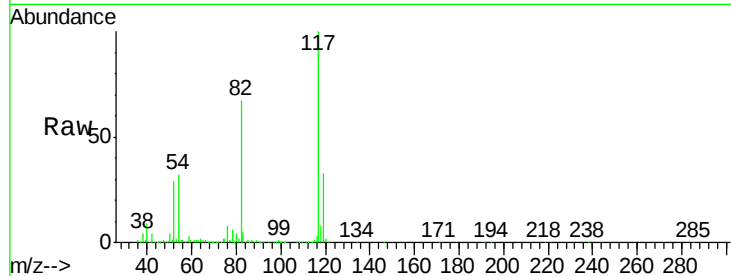
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.11 min Scan# 2900
Delta R.T. -0.01 min
Lab File: VL034989.D
Acq: 12 May 2020 16:23

Instrument :
MSVOA_L
ClientSampleId :
IA-4DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.3	53.1	79.7
119	32.9	26.7	40.1

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.135 ppbv
RT: 14.45 min Scan# 3626
Delta R.T. -0.01 min
Lab File: VL034989.D
Acq: 12 May 2020 16:23

Tgt Ion	Ratio	Lower	Upper
95	100		
174	65.0	51.5	77.3
175	4.8	3.8	5.8

