

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL091420\
 Data File : VL035614.D
 Acq On : 15 Sep 2020 00:48
 Operator : SY/AP
 Sample : VIBLK
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Quant Time: Sep 15 06:44:38 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL082720AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Sep 14 15:19:50 2020
 QLast Update : Mon Sep 14 15:19:50 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.65	49	1017121	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.16	114	4474163	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.08	117	4453211	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.41	95	3271770	10.35	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.50%

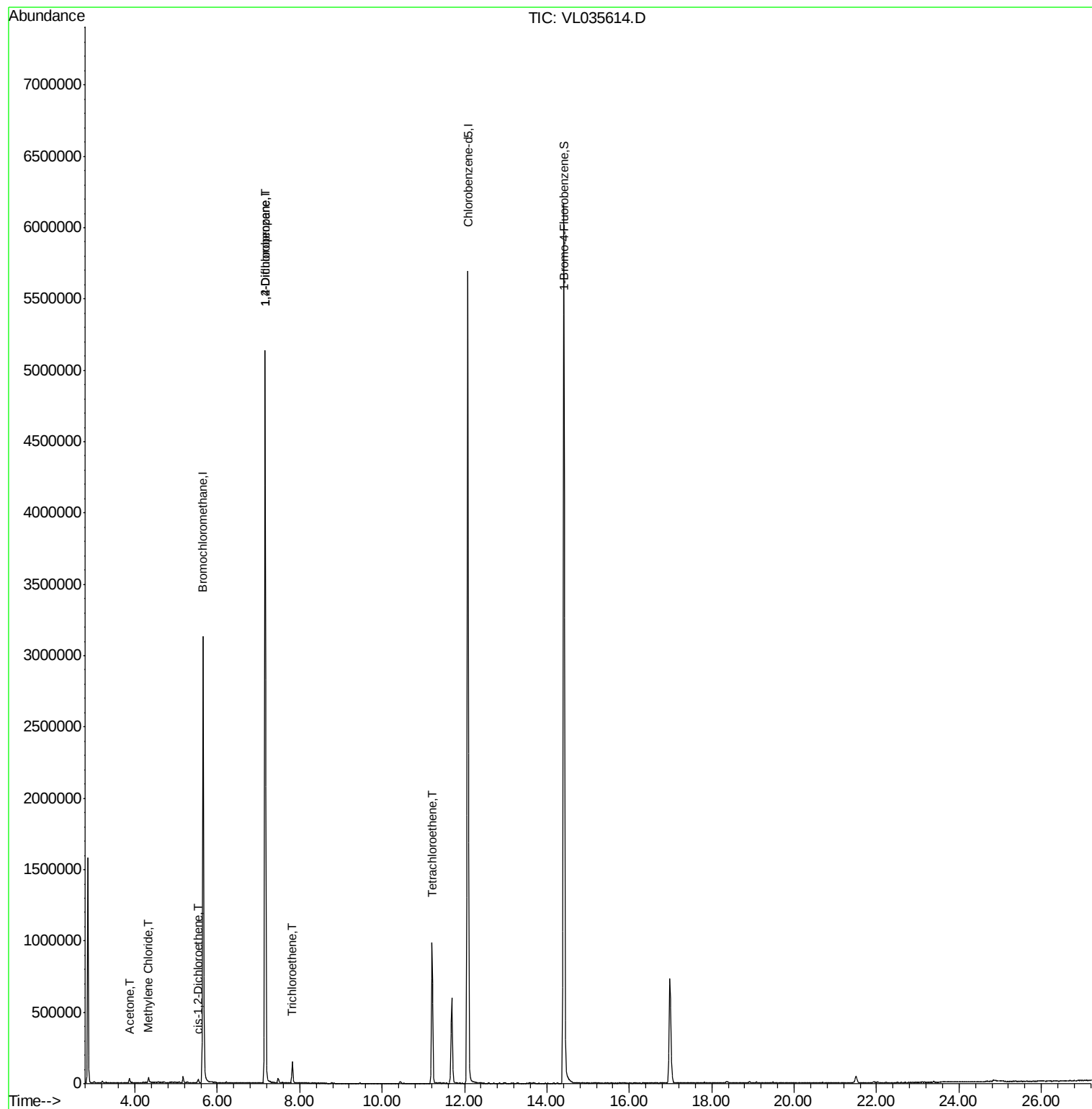
Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.86	43	21014	0.187	ppbv #	36
20) Methylene Chloride	4.33	84	15173	0.182	ppbv	92
31) cis-1,2-Dichloroethene	5.53	61	12076	0.105	ppbv	87
38) Trichloroethene	7.82	130	53768	0.320	ppbv	96
39) 1,2-Dichloropropane	7.16	63	804455	8.222	ppbv #	32
52) Tetrachloroethene	11.21	164	290576	1.717	ppbv	99

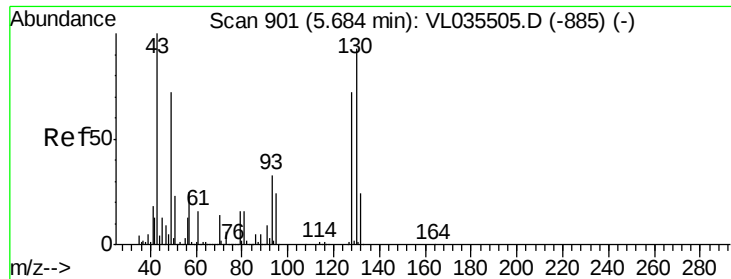
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.65 min Scan# 891

Delta R.T. -0.01 min

Lab File: VL035614.D

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Instrument :

MSVOA_L

ClientSampleId :

VIBLK

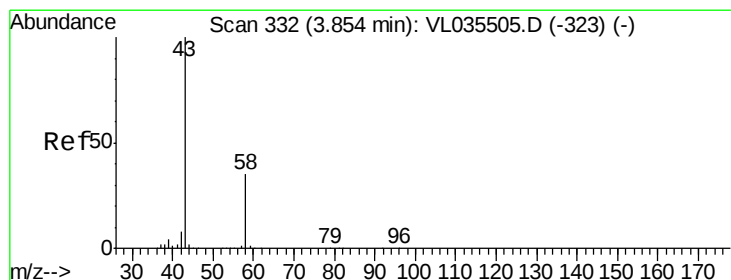
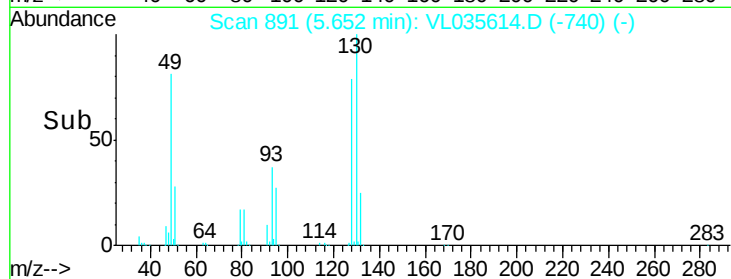
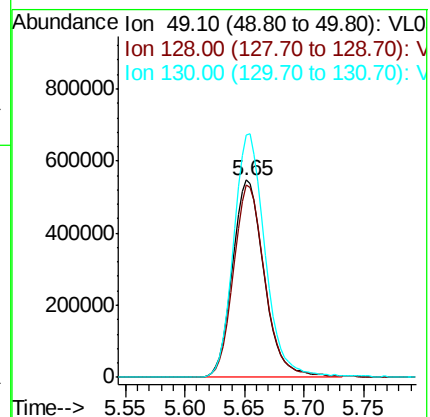
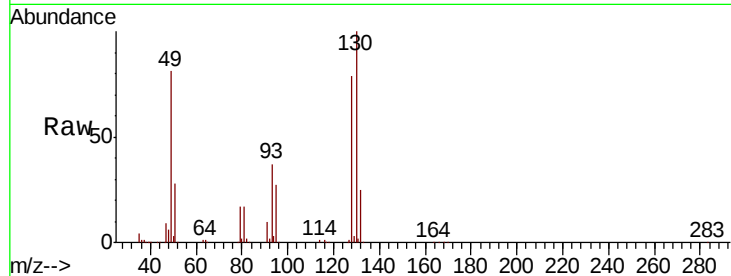
Tot Ion: 49 Resp: 1017121

Ion Ratio Lower Upper

49 100

128 97.1 50.0 150.1

130 123.5 64.4 193.2



#15

Acetone

Concen: 0.187 ppbv

RT: 3.86 min Scan# 334

Delta R.T. 0.02 min

Lab File: VL035614.D

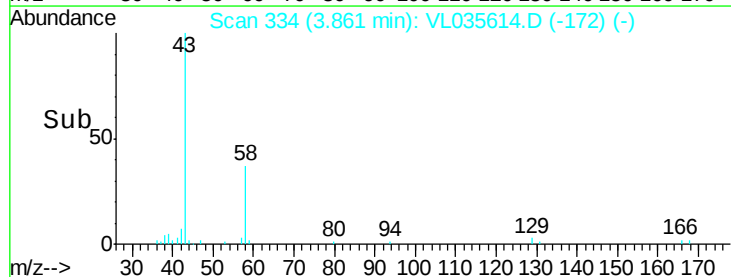
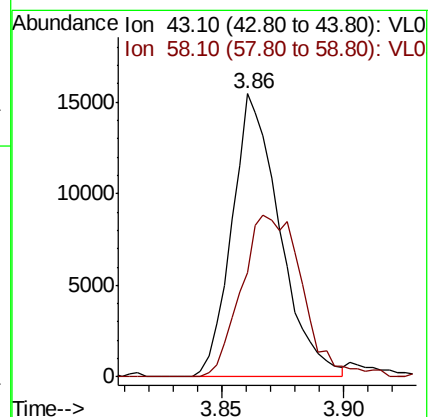
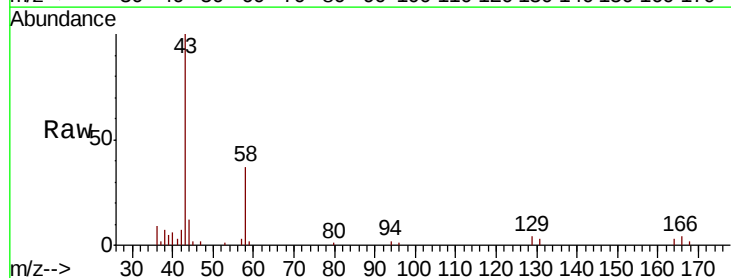
Acq: 15 Sep 2020 00:48

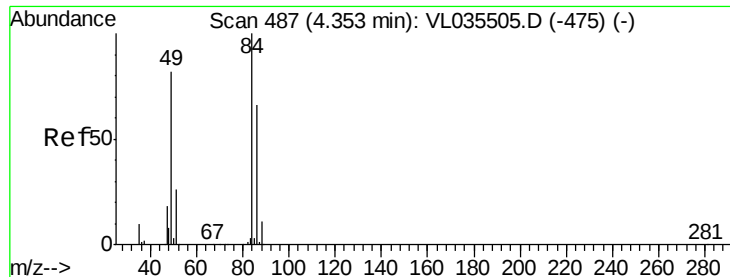
Tgt Ion: 43 Resp: 21014

Ion Ratio Lower Upper

43 100

58 73.1 28.4 42.6#

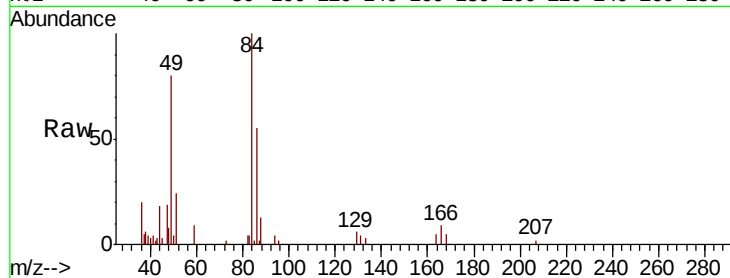




#20
Methylene Chloride
Concen: 0.182 ppbv
RT: 4.33 min Scan# 481
Delta R.T. -0.00 min
Lab File: VL035614.D
Acq: 15 Sep 2020 00:48

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:	84	Resp:	15173
Ion	Ratio	Lower	Upper
84	100		
49	78.6	65.4	98.0
51	23.8	21.5	32.3
86	54.7	52.9	79.3



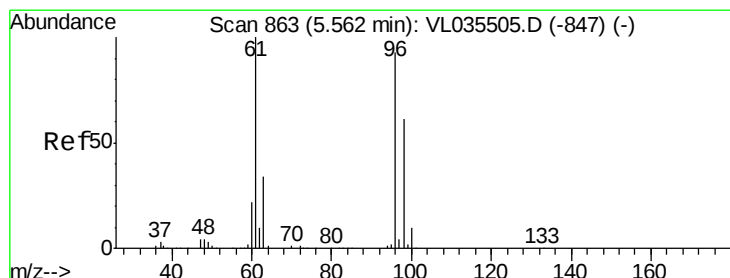
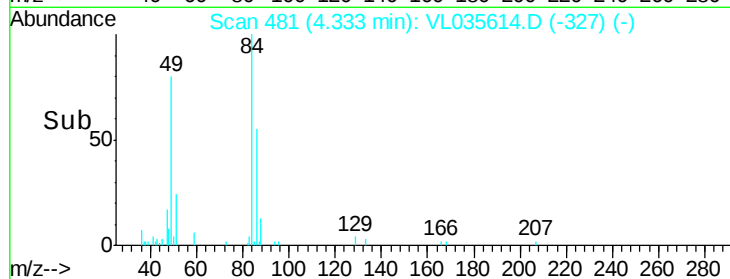
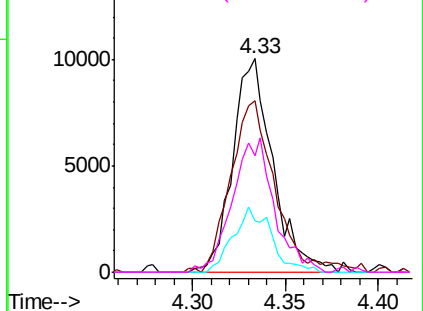
Abundance

Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

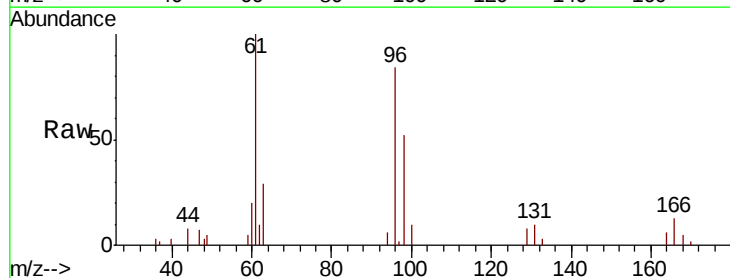
Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0



#31
cis-1,2-Dichloroethene
Concen: 0.105 ppbv
RT: 5.53 min Scan# 854
Delta R.T. -0.01 min
Lab File: VL035614.D
Acq: 15 Sep 2020 00:48

Tgt Ion:	61	Resp:	12076
Ion	Ratio	Lower	Upper
61	100		
96	81.0	74.4	111.6
98	51.7	49.2	73.8

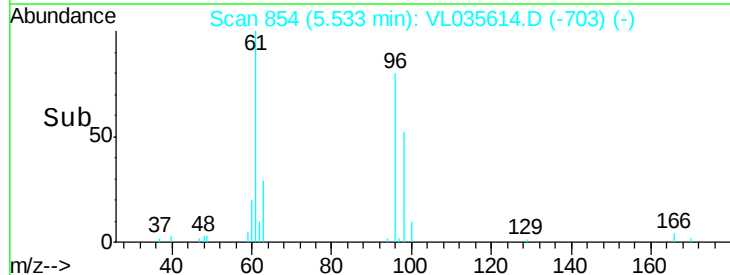
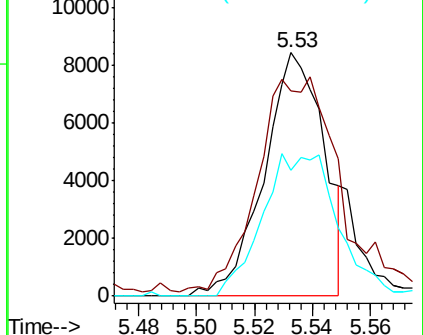


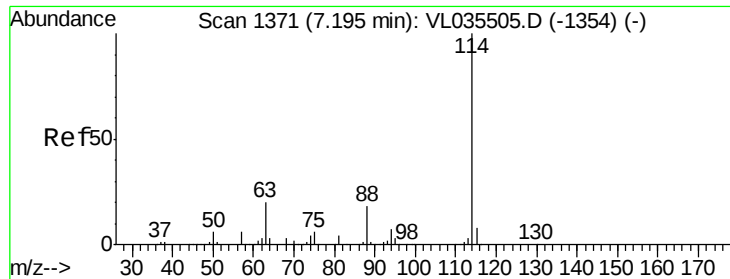
Abundance

Ion 61.10 (60.80 to 61.80): VL0

Ion 96.00 (95.70 to 96.70): VL0

Ion 98.00 (97.70 to 98.70): VL0

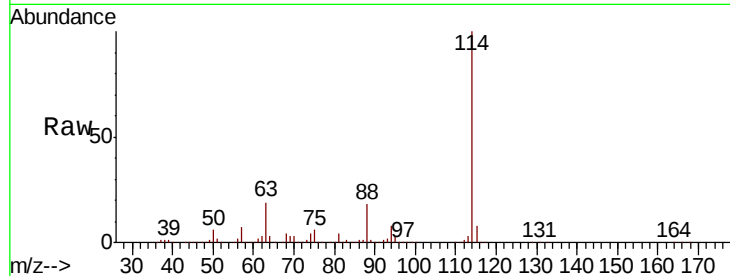




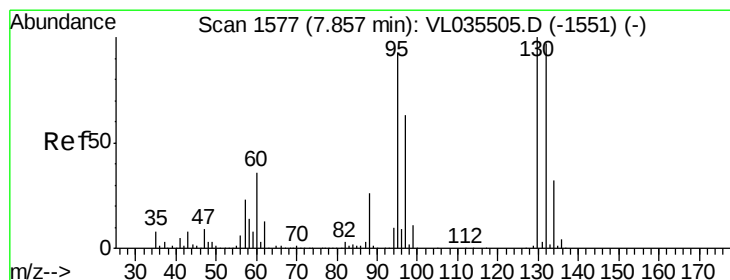
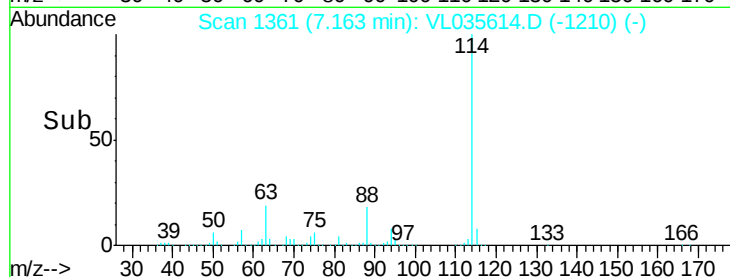
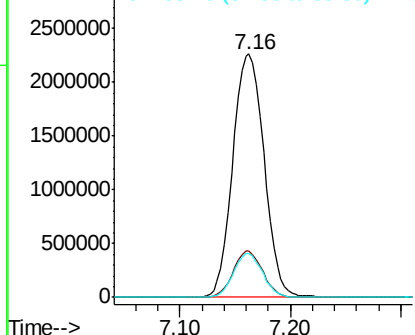
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.01 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Instrument :
 MSVOA_L
 ClientSampleId :
 VIBLK

Tot Ion:114 Resp: 4474163
 Ion Ratio Lower Upper
 114 100
 63 18.1 14.7 22.1
 88 16.9 13.4 20.2

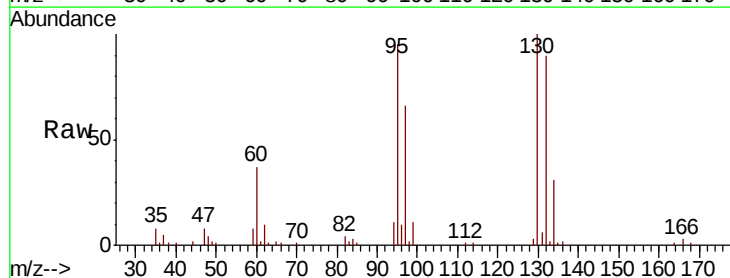


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

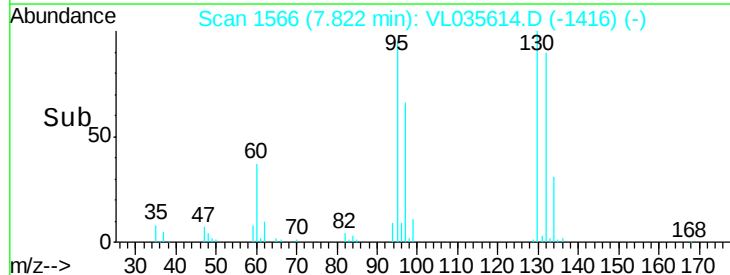
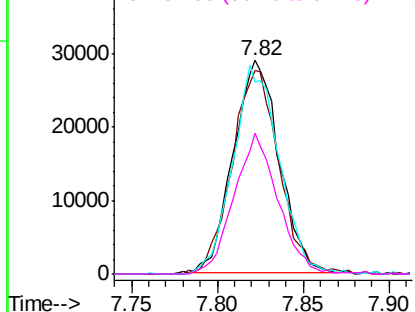


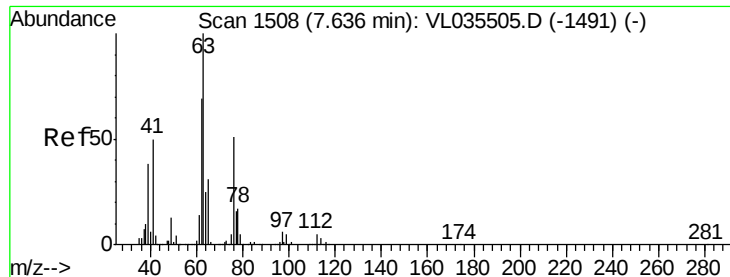
#38
 Trichloroethene
 Concen: 0.320 ppbv
 RT: 7.82 min Scan# 1566
 Delta R.T. -0.02 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Tgt Ion:130 Resp: 53768
 Ion Ratio Lower Upper
 130 100
 95 94.0 74.6 112.0
 132 90.5 77.6 116.4
 97 66.2 50.6 76.0



Abundance Ion 130.00 (129.70 to 130.70): V
 Ion 95.00 (94.70 to 95.70): VL0
 Ion 132.00 (131.70 to 132.70): V
 Ion 97.00 (96.70 to 97.70): VL0

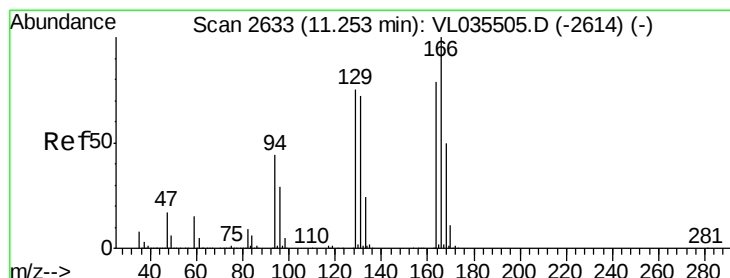
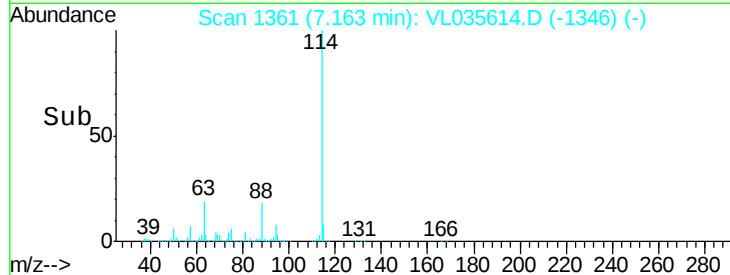
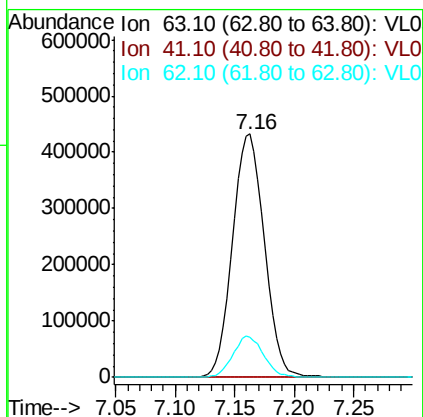
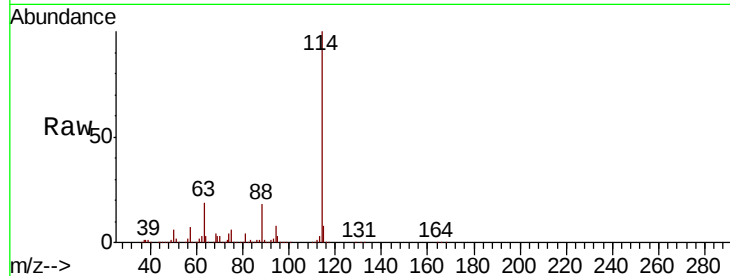




#39
 1,2-Dichloropropane
 Concen: 8.222 ppbv
 RT: 7.16 min Scan# 1361
 Delta R.T. -0.45 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

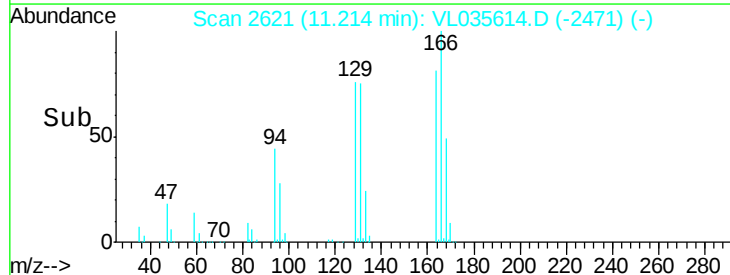
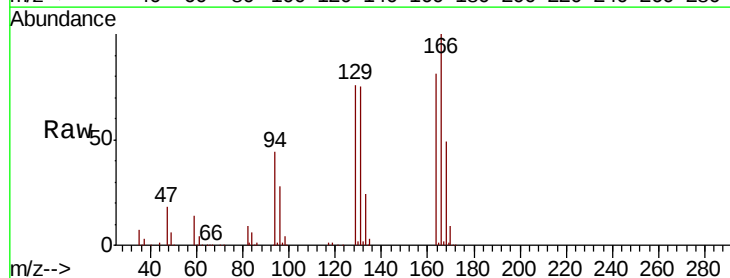
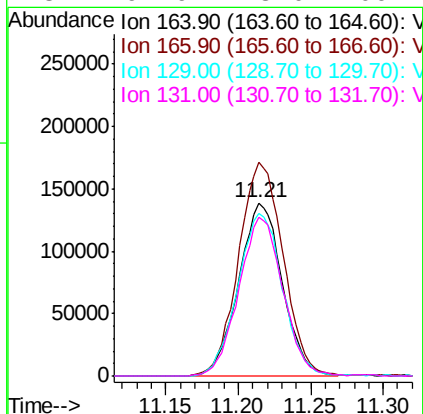
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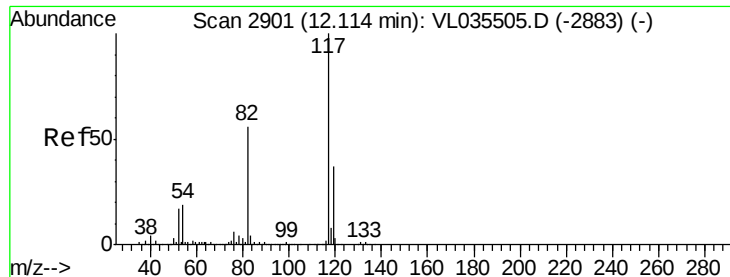
Tot Ion	Ratio	Lower	Upper
63	100		
41	0.0	40.0	60.0#
62	16.4	55.4	83.0#



#52
 Tetrachloroethene
 Concen: 1.717 ppbv
 RT: 11.21 min Scan# 2621
 Delta R.T. -0.02 min
 Lab File: VL035614.D
 Acq: 15 Sep 2020 00:48

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	100.9	151.3
129	93.3	75.3	112.9
131	91.9	73.0	109.4

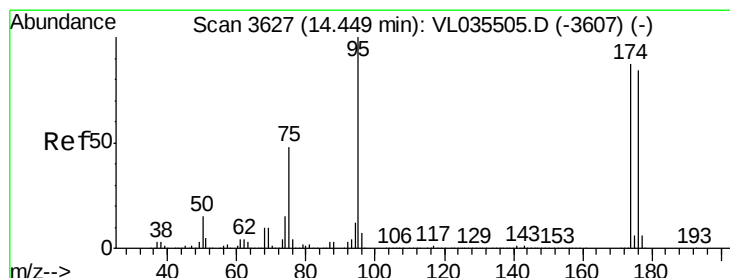
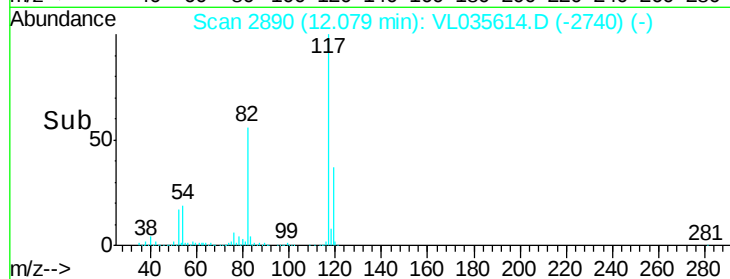
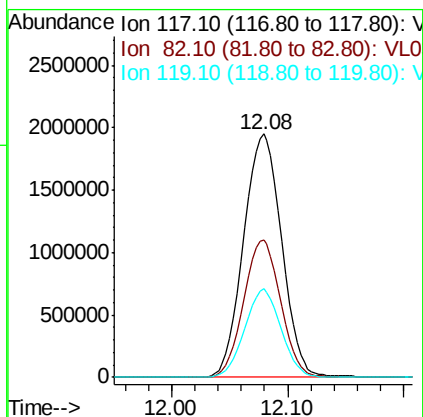
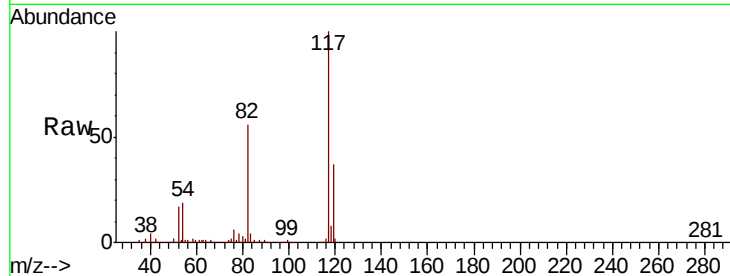




#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.08 min Scan# 2890
Delta R.T. -0.02 min
Lab File: VL035614.D
Acq: 15 Sep 2020 00:48

Instrument :
MSVOA_L
ClientSampleId :
VIBLK

Tot Ion:117 Resp: 4453211
Ion Ratio Lower Upper
117 100
82 55.2 41.6 62.4
119 34.9 29.3 43.9



#68
1-Bromo-4-Fluorobenzene
Concen: 10.346 ppbv
RT: 14.41 min Scan# 3615
Delta R.T. -0.02 min
Lab File: VL035614.D
Acq: 15 Sep 2020 00:48

Tgt Ion: 95 Resp: 3271770
Ion Ratio Lower Upper
95 100
174 80.0 69.6 104.4
175 5.7 5.1 7.7

