

Data File : VL034362.D
Acq On : 25 Oct 2019 13:48
Operator : SY/AP
Sample : K5477-02DL 300X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
SV6DL

Manual Integrations
APPROVED

MMDadoda
10/31/2019 2:12:53 AM

Quant Time: Oct 25 23:00:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101619AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Oct 1
QLast Update : Thu Oct 17 05:12:37 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.68	49	901550	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.20	114	1804507	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.14	117	1783796	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.48	95	1497271	9.91	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.10%

Target Compounds					Qvalue
15) Acetone	3.86	43	16574m	0.129	ppbv
20) Methylene Chloride	4.35	84	8159	0.175	ppbv # 69
31) cis-1,2-Dichloroethene	5.56	61	71956	0.764	ppbv 93
38) Trichloroethene	7.87	130	97798	1.408	ppbv 89
52) Tetrachloroethene	11.28	164	1103136	16.255	ppbv 96

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

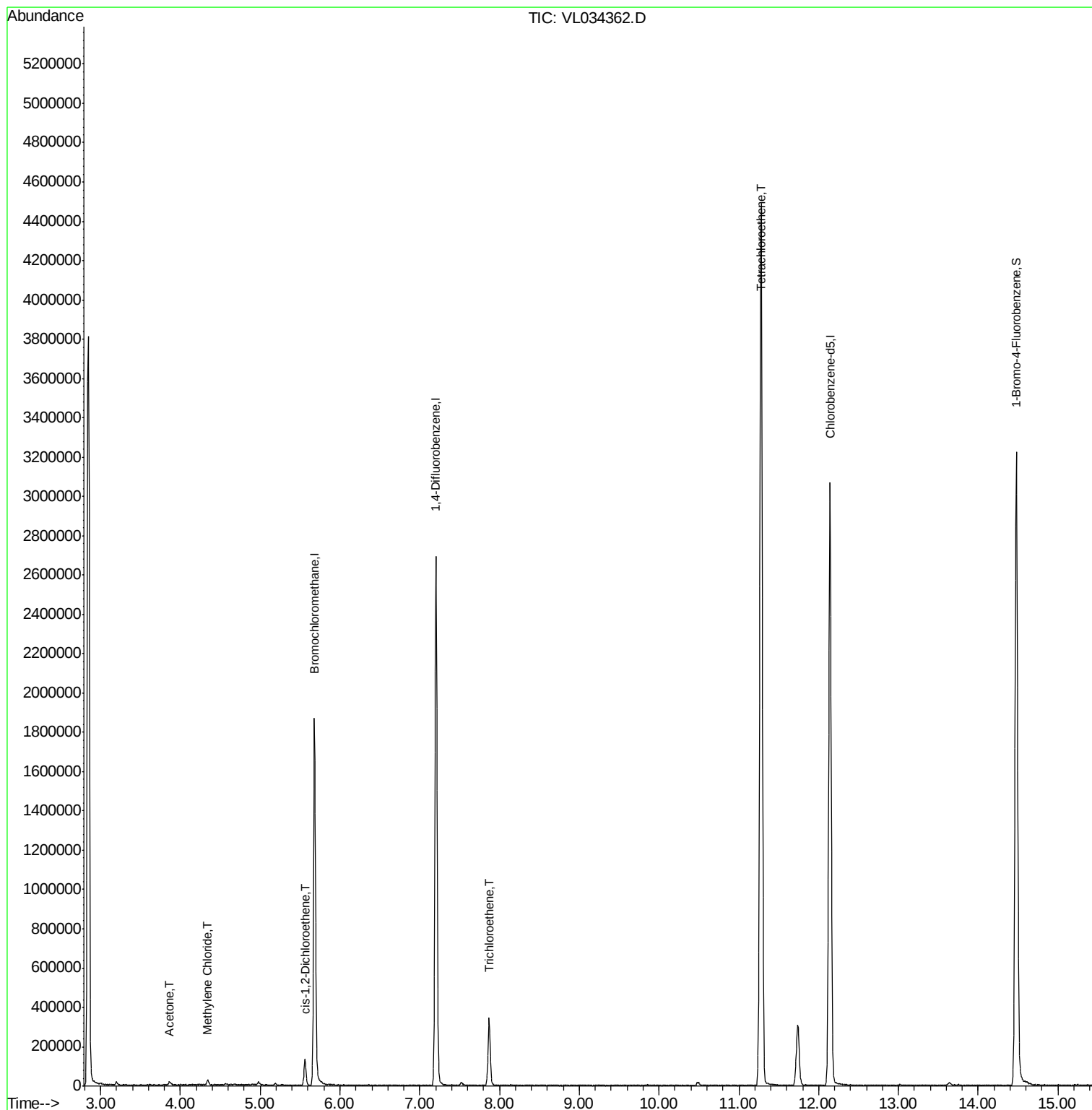
Data File : VL034362.D
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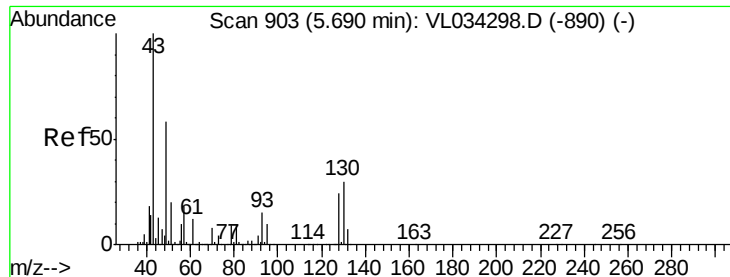
Instrument :
MSVOA_L
ClientSampled :
SV6DL

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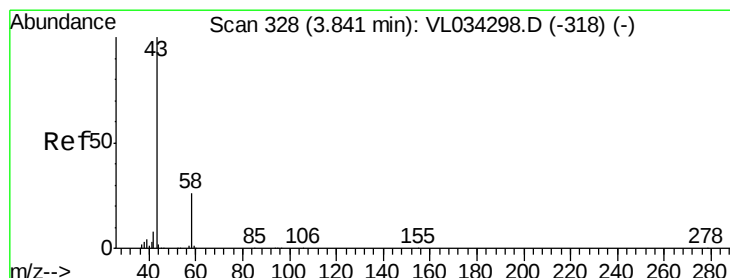
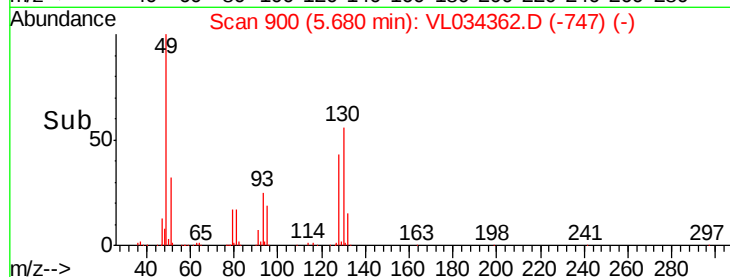
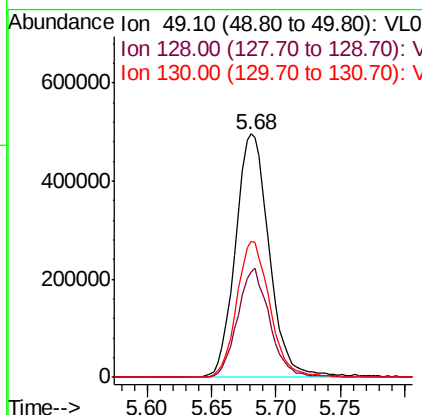
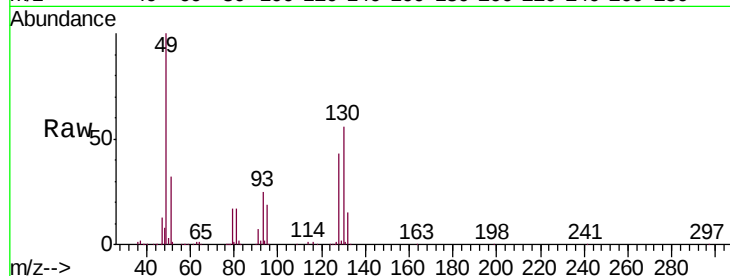
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.68 min Scan# 900
Delta R.T. -0.01 min
Lab File: VL034362.D
Acq: 25 Oct 2019 13:48

Instrument :
MSVOA_L
ClientSampled :
SV6DL

Tgt Ion	Ratio	Lower	Upper
49	100		
128	43.2	20.6	61.8
130	55.8	26.2	78.5

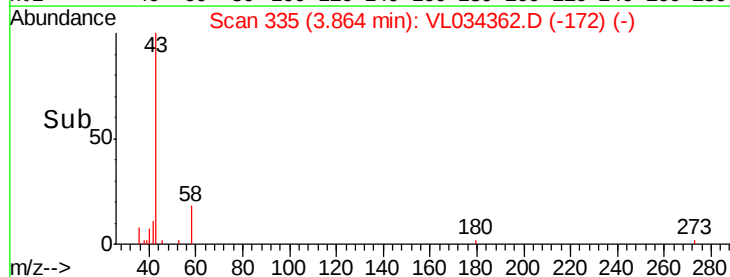
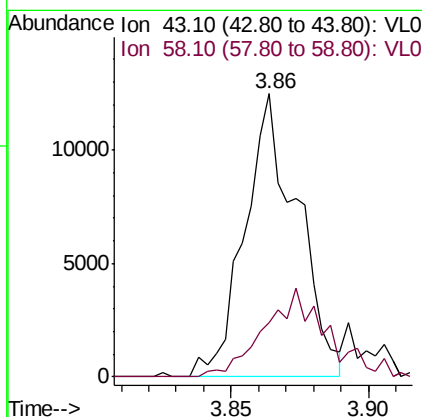
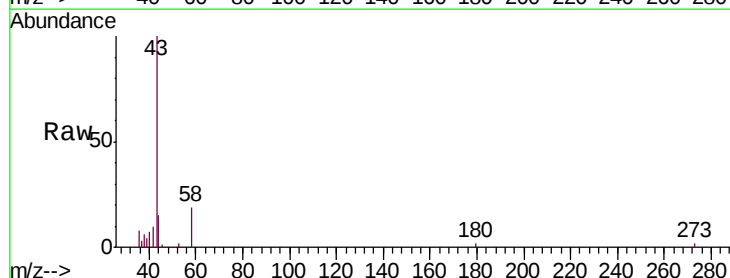
Manual Integrations
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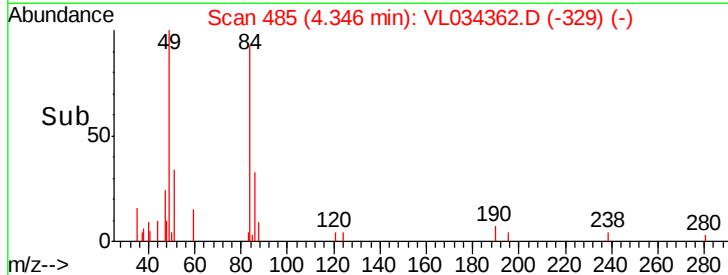
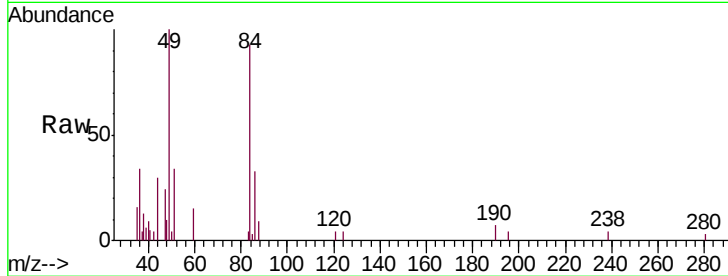
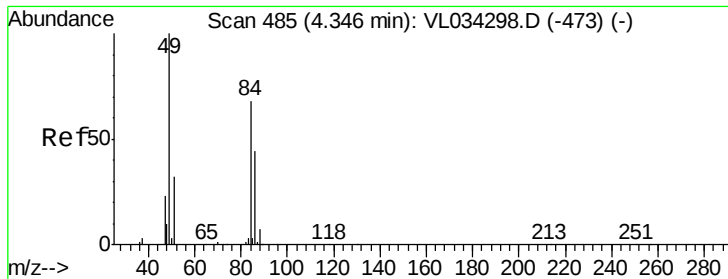
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#15
Acetone
Concen: 0.129 ppbv m
RT: 3.86 min Scan# 335
Delta R.T. 0.02 min
Lab File: VL034362.D
Acq: 25 Oct 2019 13:48

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	20.4	30.6#





#20

Methylene Chloride

Concen: 0.175 ppbv

RT: 4.35 min Scan# 485

Delta R.T. 0.00 min

Lab File: VL034362.D

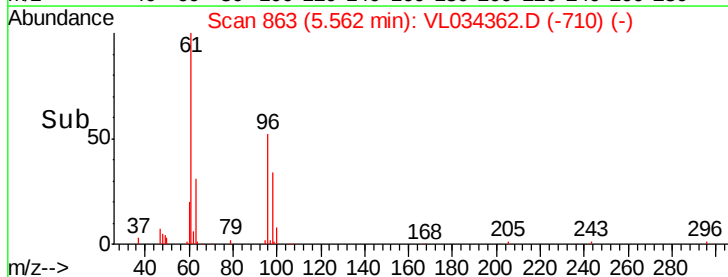
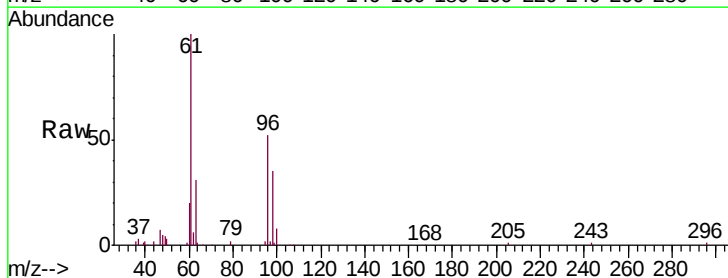
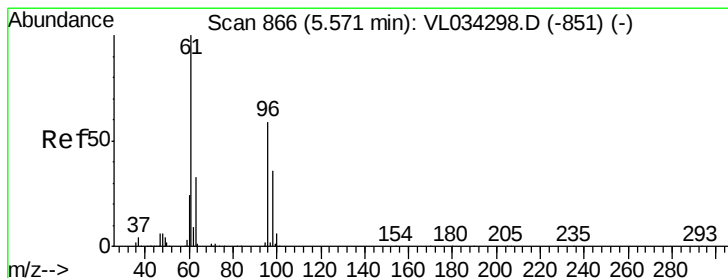
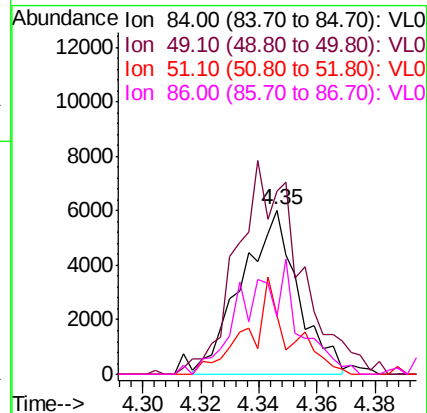
Acq: 25 Oct 2019 13:48

Tgt Ion	Ratio	Lower	Upper
84	100		
49	105.0	118.5	177.7#
51	36.9	38.8	58.2#
86	36.3	51.7	77.5#

Instrument :
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#31

cis-1,2-Dichloroethene

Concen: 0.764 ppbv

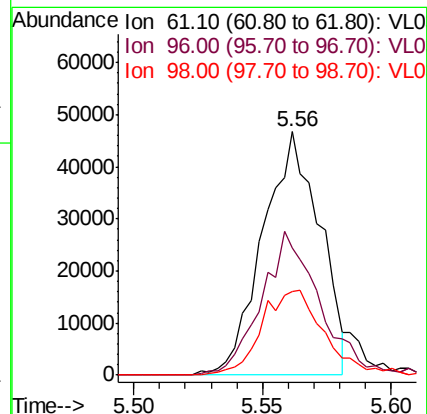
RT: 5.56 min Scan# 863

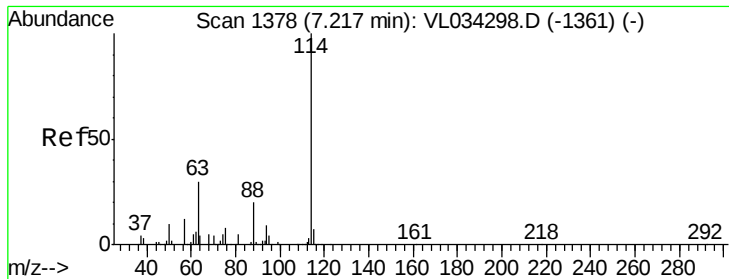
Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Tgt Ion	Ratio	Lower	Upper
61	100		
96	52.1	47.5	71.3
98	34.6	28.8	43.2





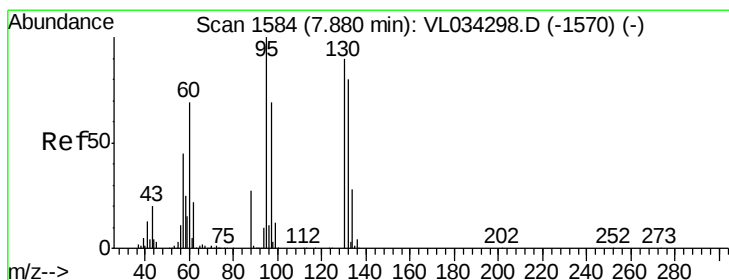
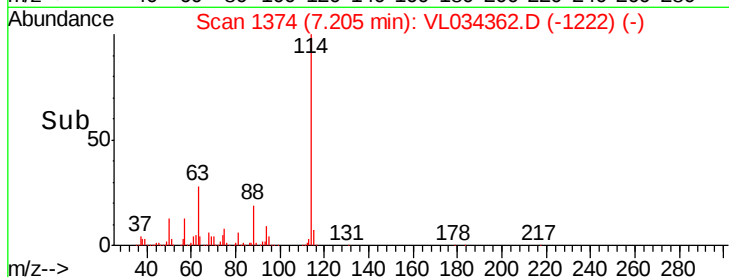
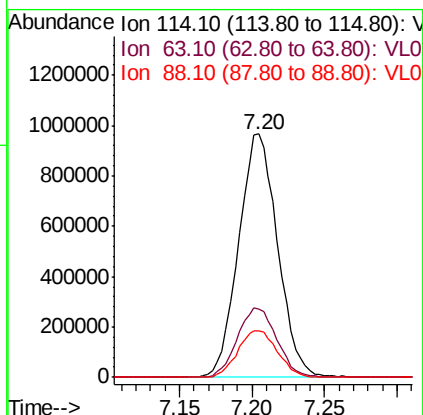
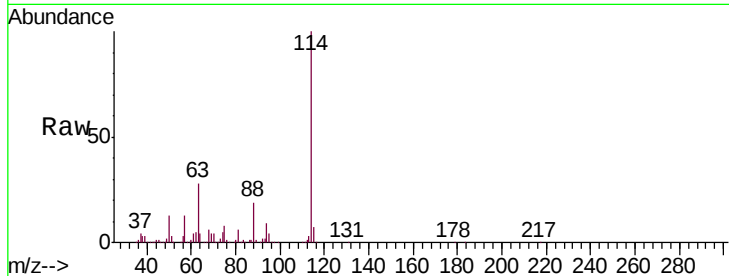
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.20 min Scan# 1374
 Delta R.T. -0.01 min
 Lab File: VL034362.D
 Acq: 25 Oct 2019 13:48

Instrument :
 MSVOA_L
 ClientSampleId :
 SV6DL

Tgt Ion:114 Resp: 1804507
 Ion Ratio Lower Upper
 114 100
 63 29.0 25.2 37.8
 88 19.7 16.0 24.0

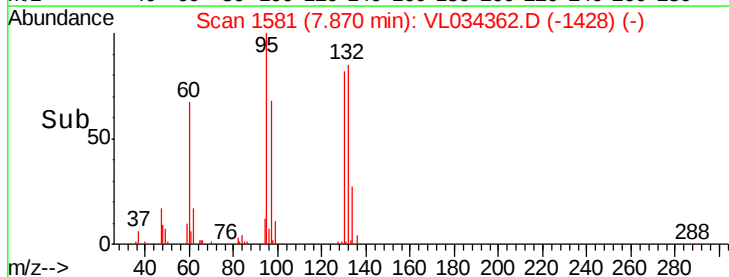
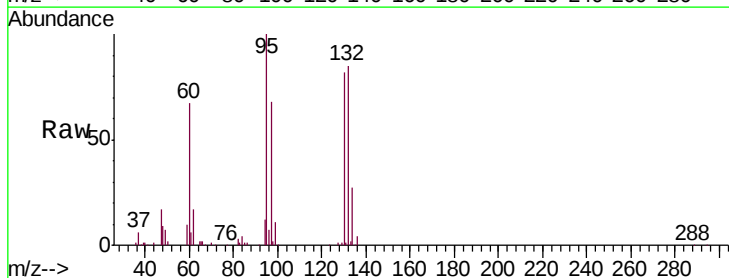
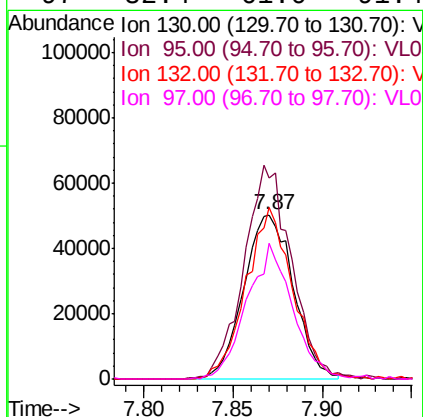
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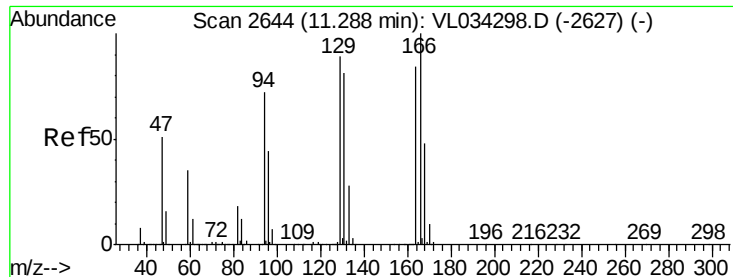
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#38
 Trichloroethene
 Concen: 1.408 ppbv
 RT: 7.87 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: VL034362.D
 Acq: 25 Oct 2019 13:48

Tgt Ion:130 Resp: 97798
 Ion Ratio Lower Upper
 130 100
 95 121.5 88.6 132.8
 132 104.4 71.2 106.8
 97 82.4 61.0 91.4





#52

Tetrachloroethene

Concen: 16.255 ppbv

RT: 11.28 min Scan# 2642

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

Tgt Ion:164 Resp: 1103136

Ion Ratio Lower Upper

164 100

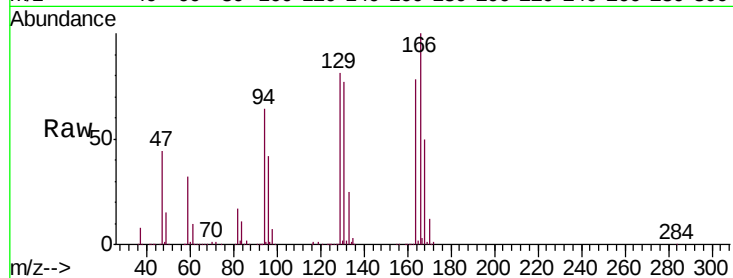
166 127.4 95.3 142.9

129 102.7 84.5 126.7

131 98.5 77.3 115.9

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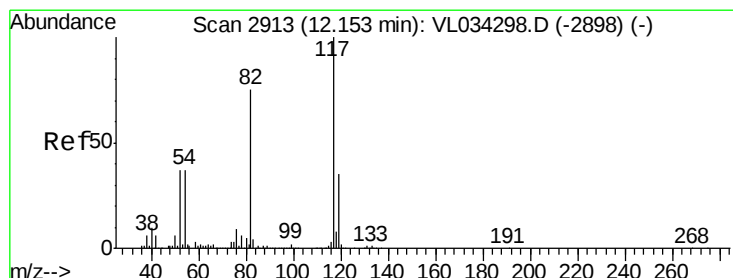
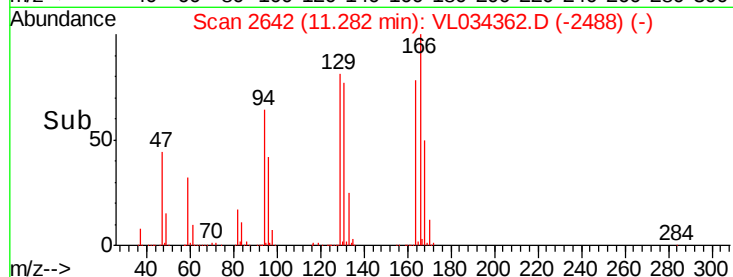
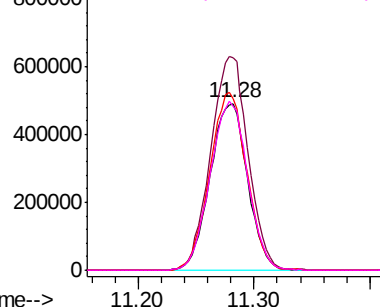


Abundance Ion 163.90 (163.60 to 164.60): V

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



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.14 min Scan# 2910

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

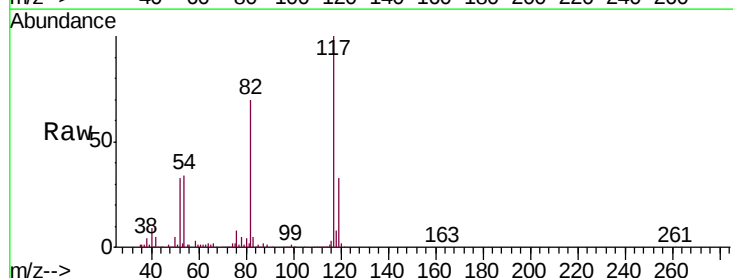
Tgt Ion:117 Resp: 1783796

Ion Ratio Lower Upper

117 100

82 71.3 55.5 83.3

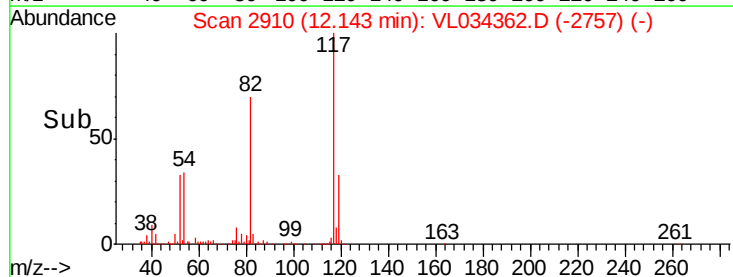
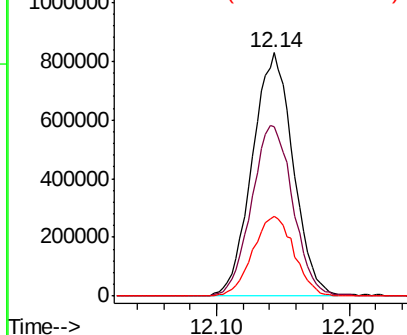
119 33.3 26.5 39.7

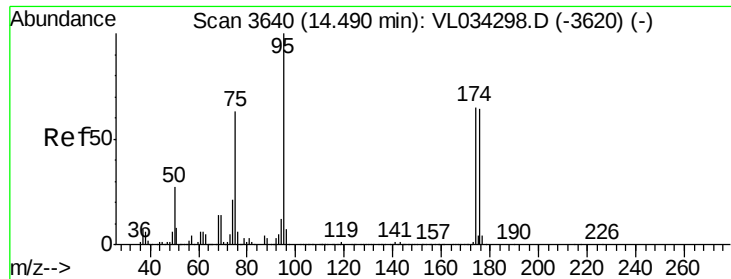


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): V

Ion 119.10 (118.80 to 119.80): V





#68

1-Bromo-4-Fluorobenzene

Concen: 9.911 ppbv

RT: 14.48 min Scan# 3636

Delta R.T. -0.01 min

Lab File: VL034362.D

Acq: 25 Oct 2019 13:48

Instrument :

MSVOA_L

ClientSampleId :

SV6DL

Tgt Ion: 95 Resp: 1497271

Ion Ratio Lower Upper

95 100

174 67.0 52.6 78.8

175 4.6 3.8 5.6

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