

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032119\
 Data File : VL033429.D
 Acq On : 22 Mar 2019 11:10
 Operator : SY/AP
 Sample : K1975-04DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Manual Integrations
 APPROVED

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 3/25/2019 8:28:13 AM

Quant Time: Mar 23 03:23:21 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL031519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Mar 1
 QLast Update : Fri Mar 15 14:52:14 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	712780	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1622104	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1634414	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.58	95	1303346	10.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	107.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
15) Acetone	3.90	43	421320	3.803	ppbv	98
32) 1,1,1-Trichloroethane	6.62	97	245474	2.121	ppbv	98
34) 2-Butanone	5.34	43	31477m	0.295	ppbv	
52) Tetrachloroethene	11.38	164	1238345	20.476	ppbv	99
53) Toluene	9.95	91	38252	0.232	ppbv	98

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

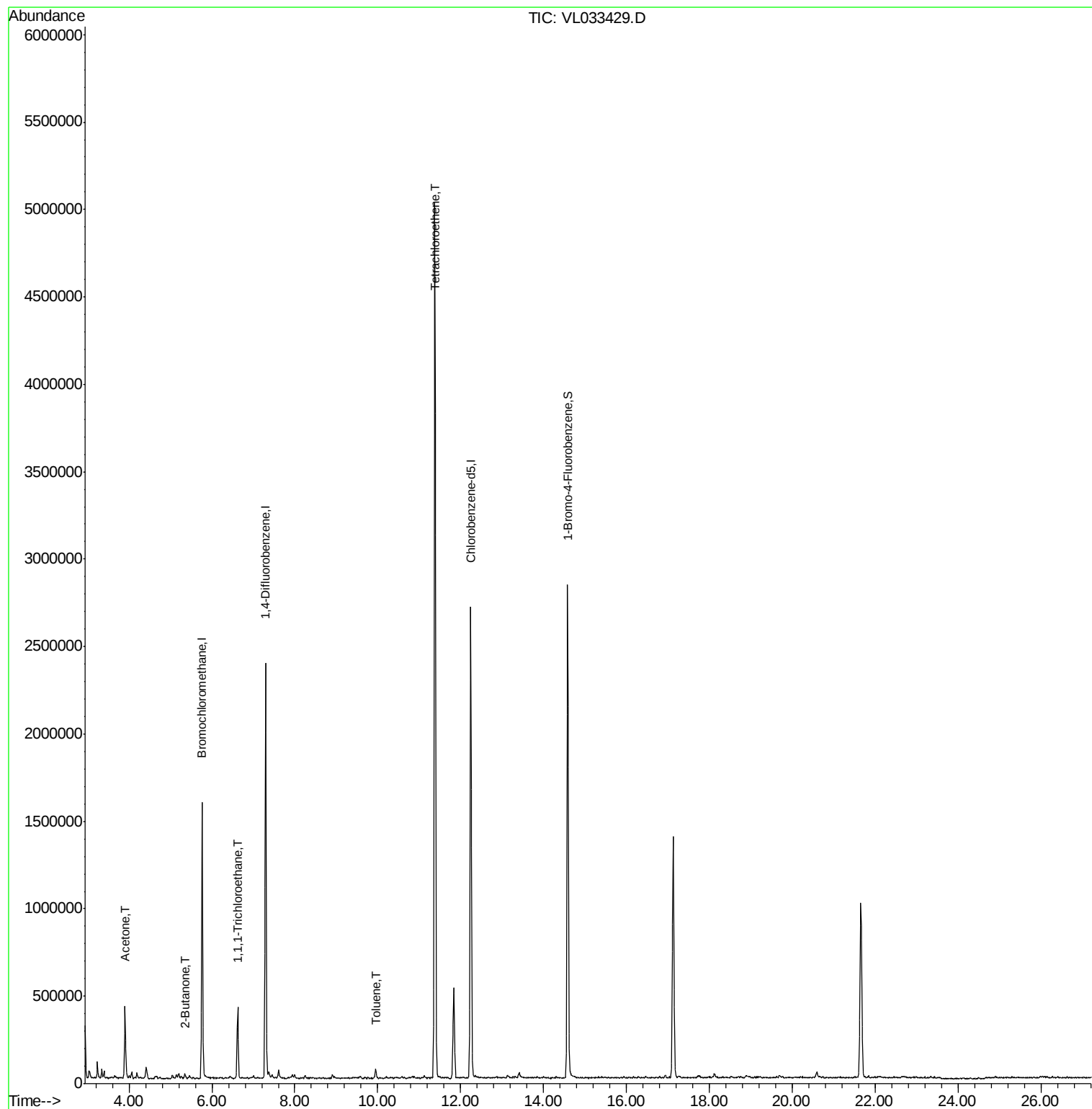
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL032119\
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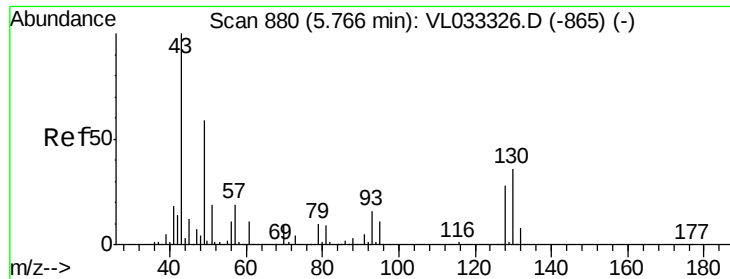
Instrument :
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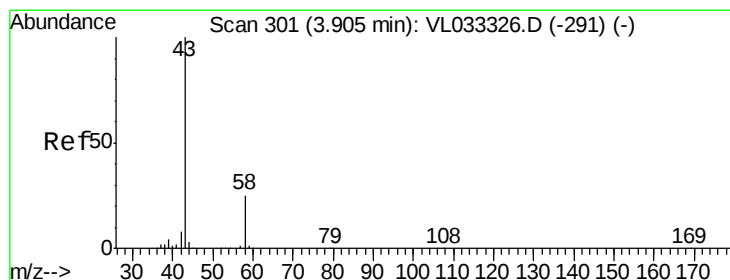
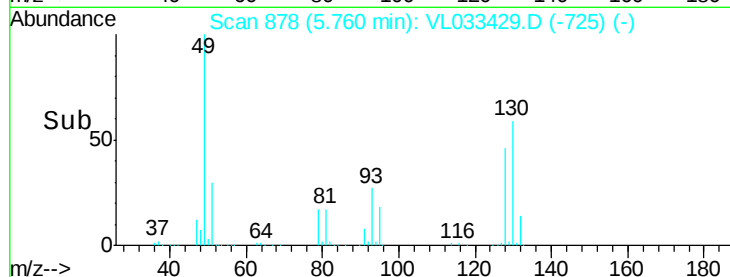
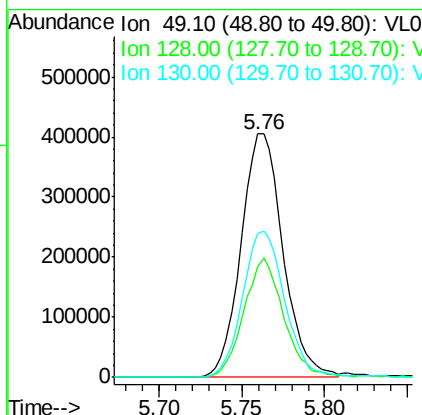
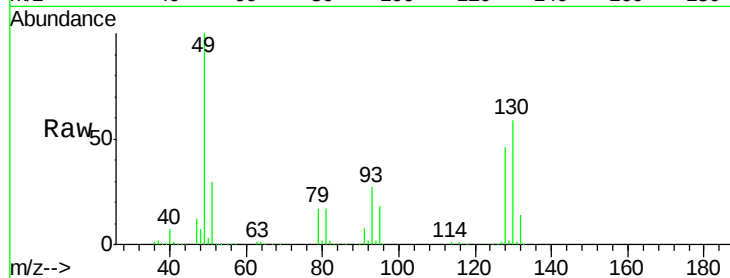
#1
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.76 min Scan# 878
Delta R.T. -0.01 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Instrument :
MSVOA_L
ClientSampled :
SV2DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	47.1	23.5	70.6
130	60.8	30.1	90.3

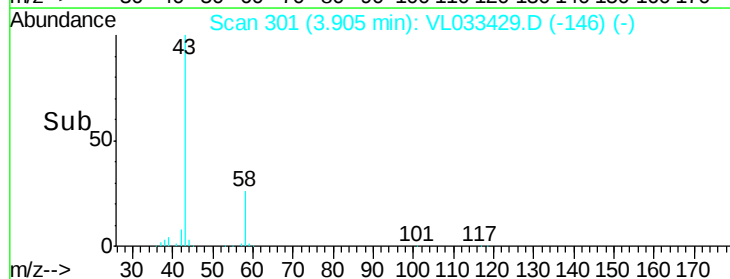
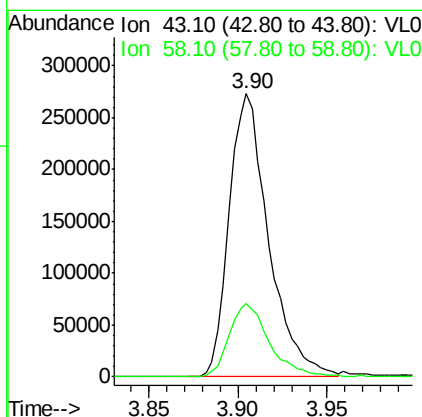
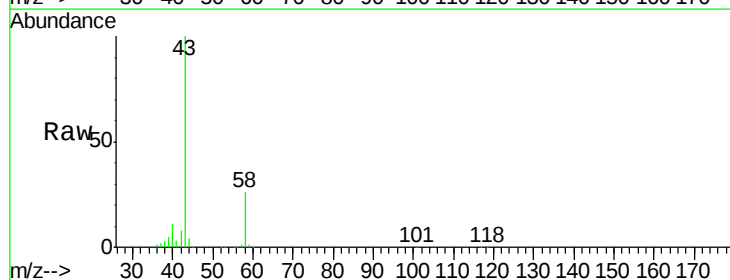
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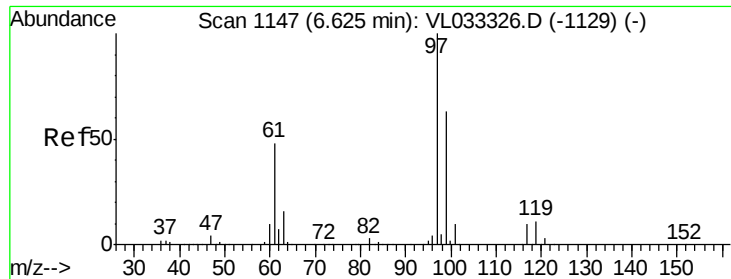
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#15
Acetone
Concen: 3.803 ppbv
RT: 3.90 min Scan# 301
Delta R.T. -0.00 min
Lab File: VL033429.D
Acq: 22 Mar 2019 11:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.7	20.4	30.6





#32

1,1,1-Trichloroethane

Concen: 2.121 ppbv

RT: 6.62 min Scan# 1146

Delta R.T. -0.00 min

Lab File: VL033429.D

Acq: 22 Mar 2019 11:10

Instrument :

MSVOA_L

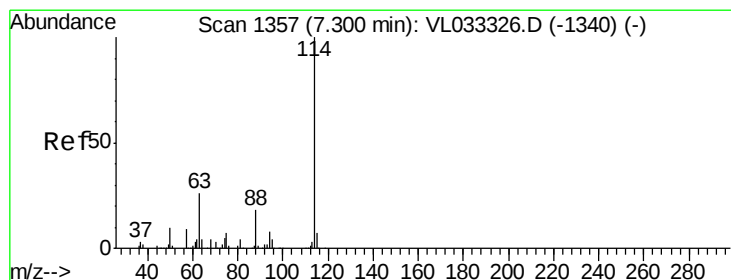
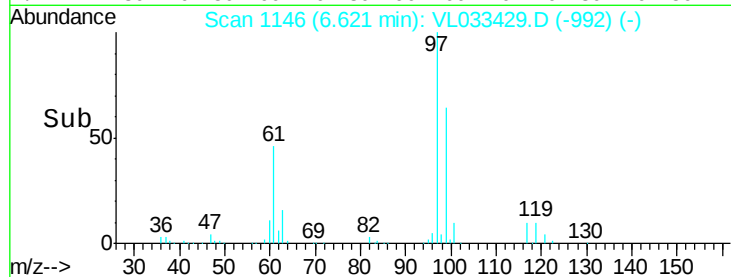
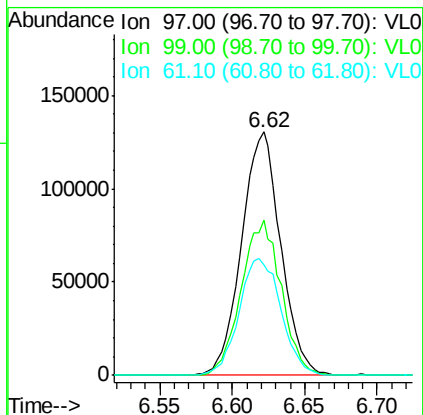
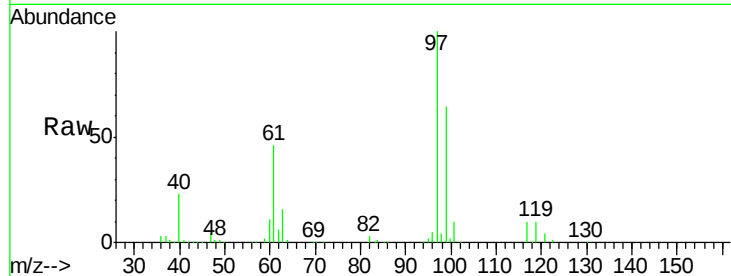
ClientSampleId :

SV2DL

Tot Ion:	97	Resp:	245474
Ion Ratio	Lower	Upper	
97	100		
99	64.8	51.0	76.6
61	51.4	39.3	58.9

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

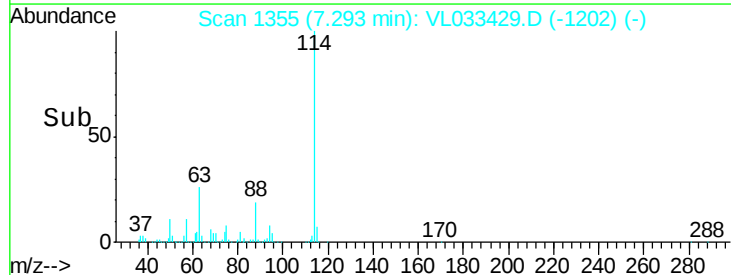
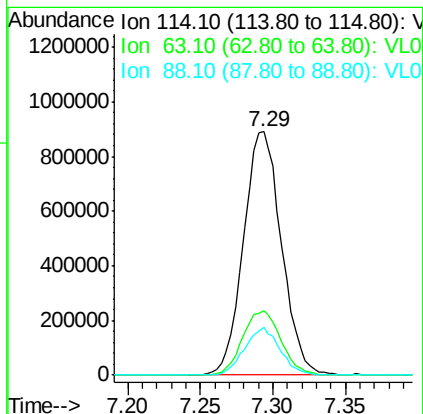
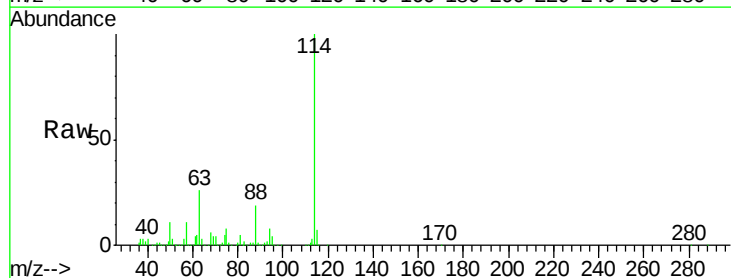
RT: 7.29 min Scan# 1355

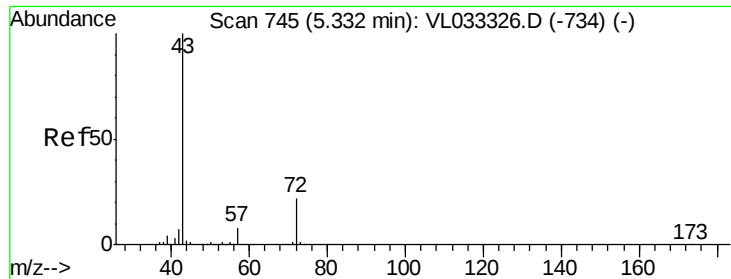
Delta R.T. -0.01 min

Lab File: VL033429.D

Acq: 22 Mar 2019 11:10

Tgt Ion:	114	Resp:	1622104
Ion Ratio	Lower	Upper	
114	100		
63	26.9	21.4	32.2
88	18.3	14.5	21.7





#34

2-Butanone

Concen: 0.295 ppbv m

RT: 5.34 min Scan# 749

Delta R.T. 0.01 min

Lab File: VL033429.D

Acq: 22 Mar 2019 11:10

Instrument :

MSVOA_L

ClientSampleId :

SV2DL

Tot Ion: 43 Resp: 31477

Ion Ratio Lower Upper

43 100

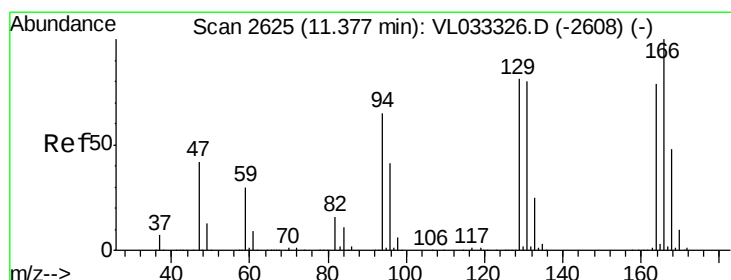
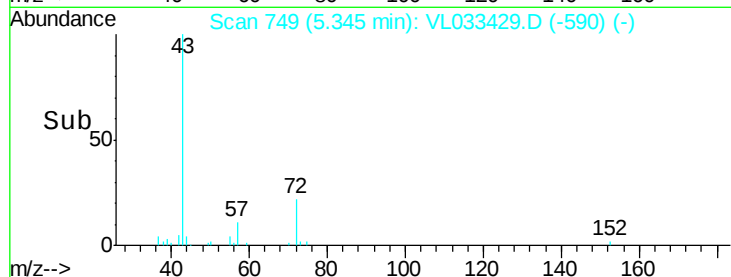
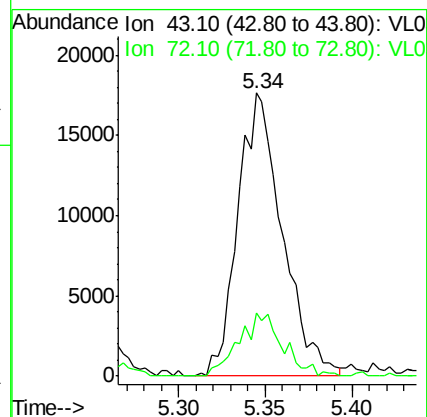
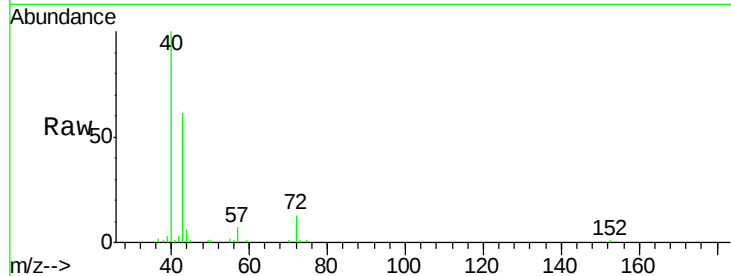
72 21.9 17.7 26.5

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#52

Tetrachloroethene

Concen: 20.476 ppbv

RT: 11.38 min Scan# 2626

Delta R.T. 0.00 min

Lab File: VL033429.D

Acq: 22 Mar 2019 11:10

Tgt Ion:164 Resp: 1238345

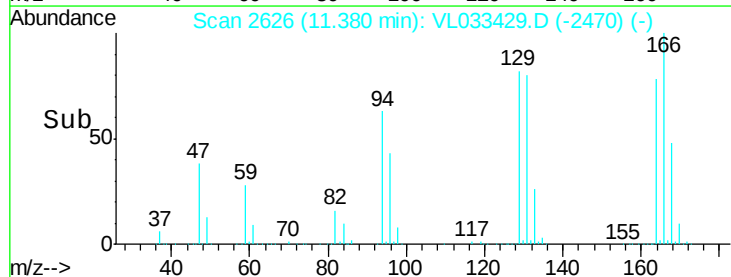
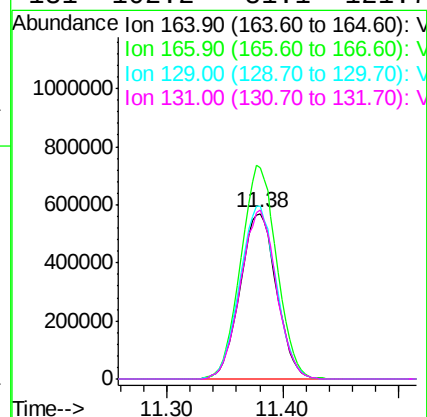
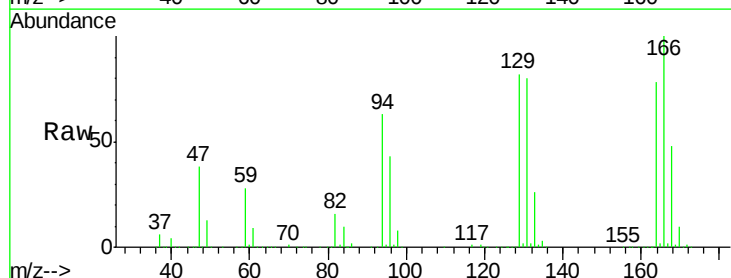
Ion Ratio Lower Upper

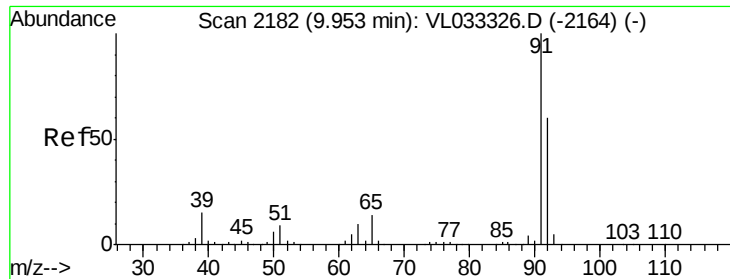
164 100

166 127.9 101.5 152.3

129 104.7 82.2 123.2

131 102.2 81.1 121.7





#53

Toluene

Concen: 0.232 ppbv

RT: 9.95 min Scan# 2181

Delta R.T. -0.00 min

Lab File: VL033429.D

Acq: 22 Mar 2019 11:10

Instrument :

MSVOA_L

ClientSampled :

SV2DL

Tot Ion: 91 Resp: 38252

Ion Ratio Lower Upper

91 100

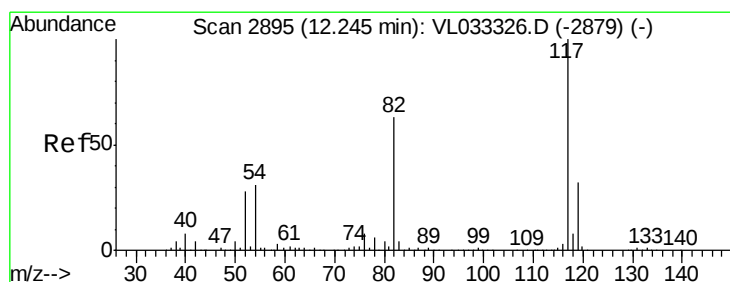
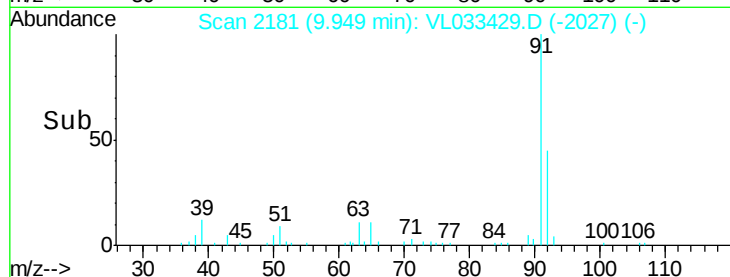
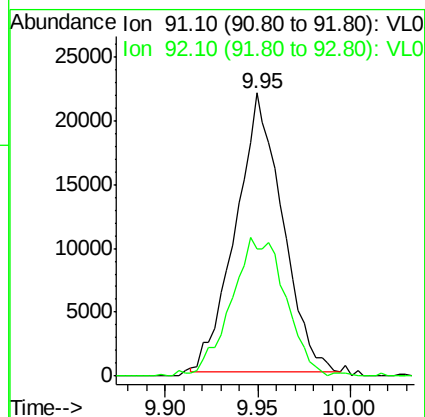
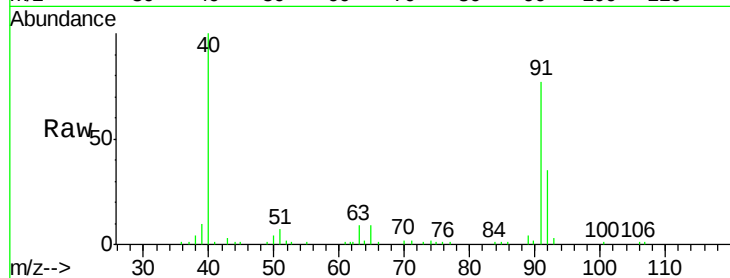
92 58.0 47.4 71.0

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.24 min Scan# 2894

Delta R.T. -0.00 min

Lab File: VL033429.D

Acq: 22 Mar 2019 11:10

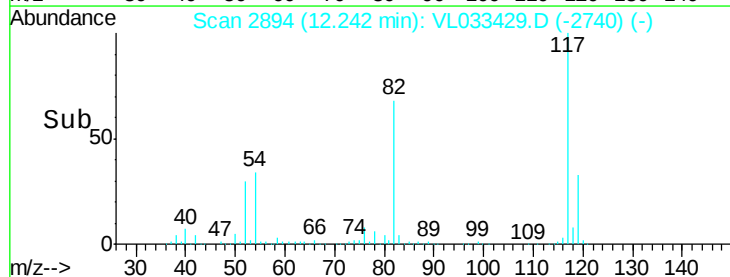
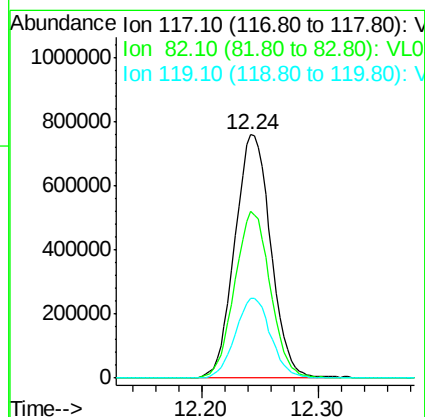
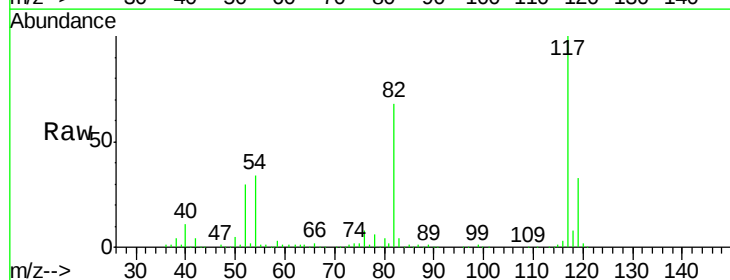
Tgt Ion: 117 Resp: 1634414

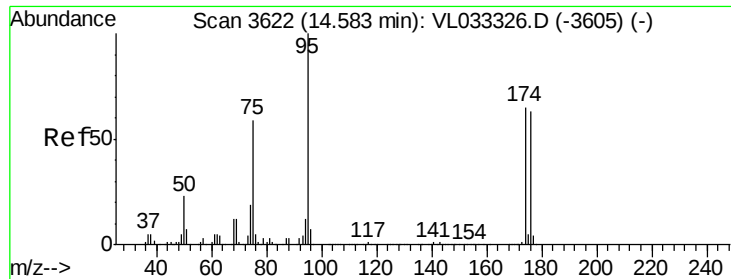
Ion Ratio Lower Upper

117 100

82 68.2 53.4 80.2

119 32.6 27.3 40.9





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.762 ppbv
 RT: 14.58 min Scan# 3621
 Delta R.T. -0.00 min
 Lab File: VL033429.D
 Acq: 22 Mar 2019 11:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV2DL

Tot Ion: 95 Resp: 1303346
 Ion Ratio Lower Upper
 95 100
 174 64.5 51.5 77.3
 175 4.8 3.8 5.6

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