

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033851.D
 Acq On : 30 May 2019 1:34
 Operator : SY/AP
 Sample : K3067-04DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-20190523-1DL

Manual Integrations
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Quant Time: May 30 02:54:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May 1
 QLast Update : Fri May 17 08:15:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.75	49	719218	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1654730	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1665170	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1344210	9.96	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	3708m	0.106	ppbv	
13) Ethanol	3.66	45	22170m	1.957	ppbv	
15) Acetone	3.90	43	90912	0.911	ppbv	96
19) Isopropyl Alcohol	4.03	45	14124m	0.220	ppbv	
26) Hexane	5.77	57	8573	0.114	ppbv #	41
27) Carbon Disulfide	4.62	76	15668m	0.152	ppbv	
29) Chloroform	5.84	83	16881	0.122	ppbv #	83
34) 2-Butanone	5.34	43	14642m	0.143	ppbv	
52) Tetrachloroethene	11.37	164	39781	0.752	ppbv	90

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

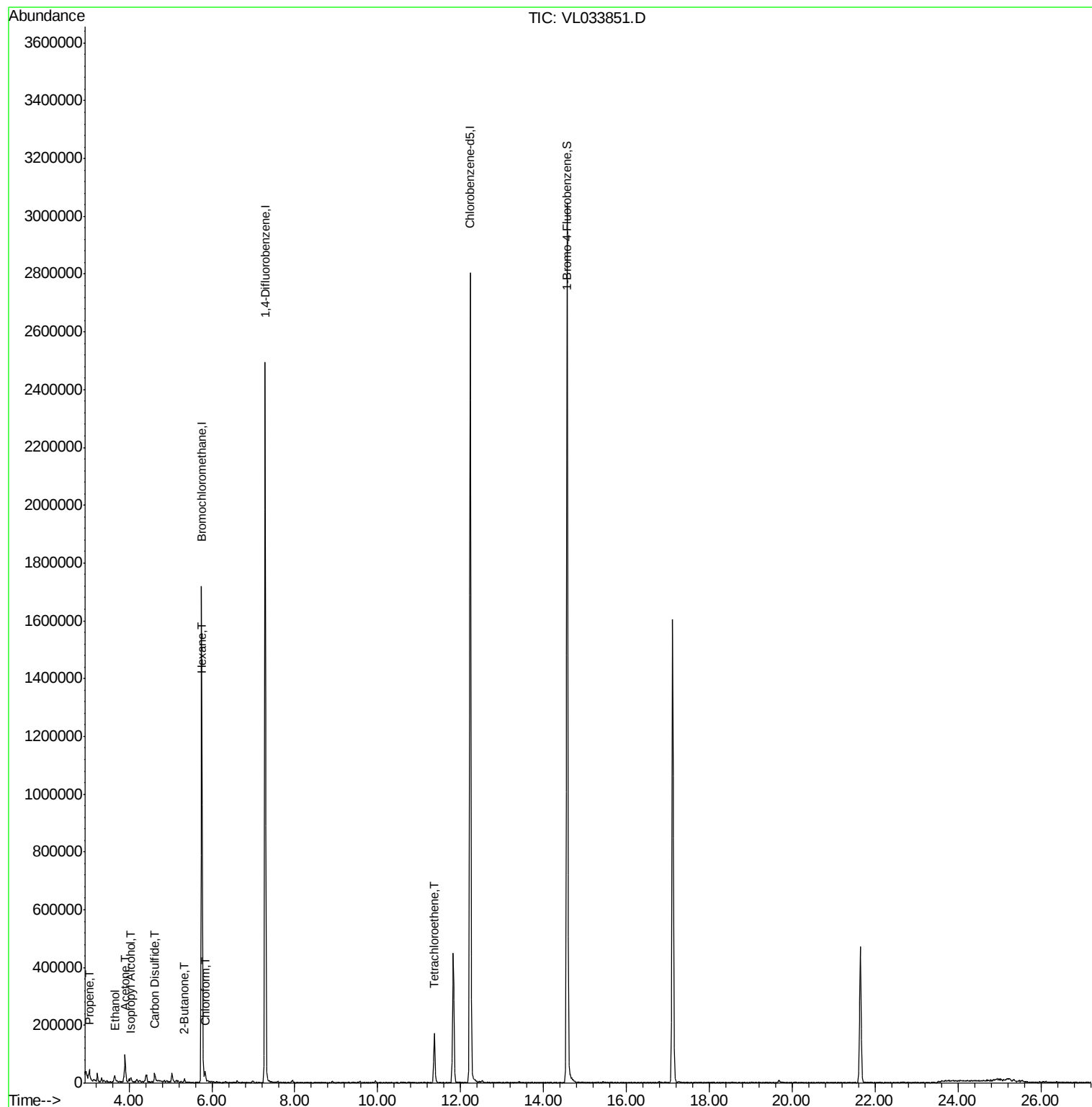
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
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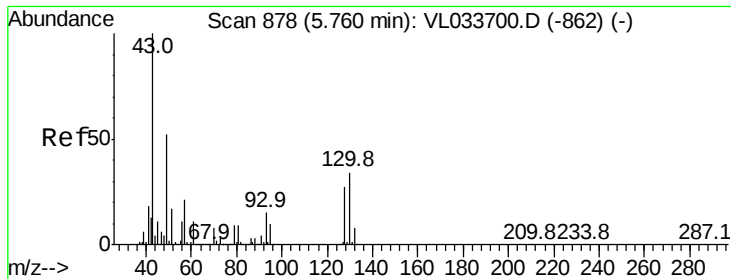
Instrument :
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Quant Time: May 30 02:54:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri May
QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Instrument :

MSVOA_L

ClientSampleId :

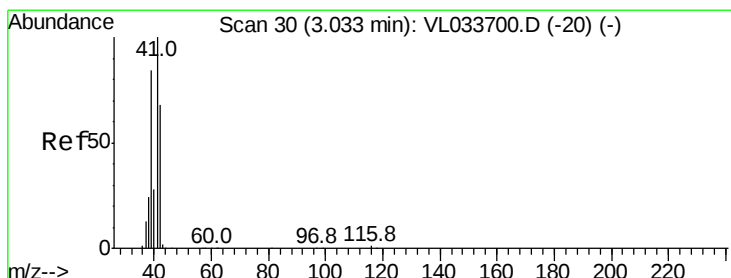
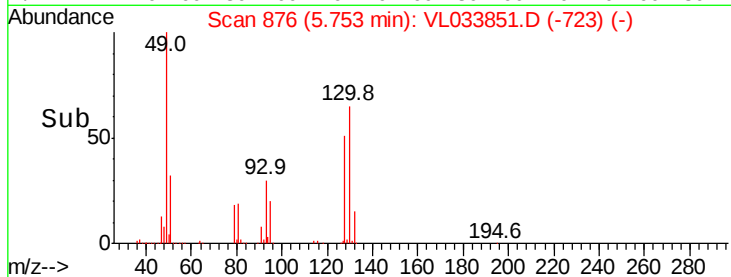
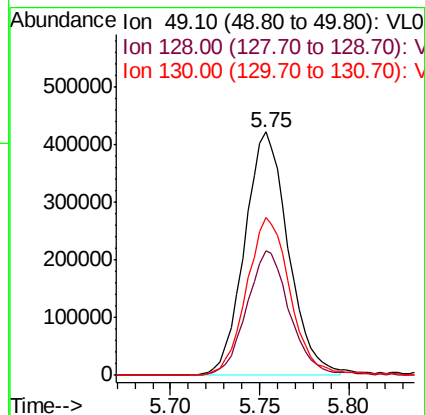
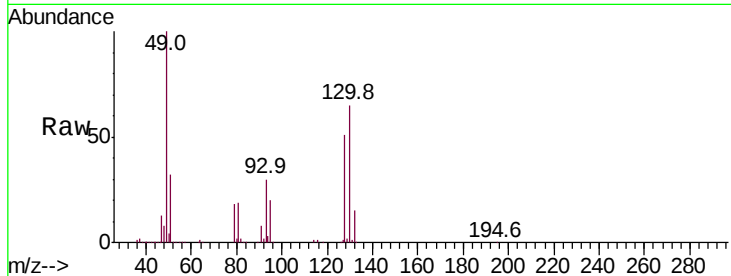
SG-7-20190523-1DL

Tot Ion: 49 Resp: 719218

Ion	Ratio	Lower	Upper
49	100		
128	50.8	25.2	75.6
130	65.5	32.5	97.5

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#9

Propene

Concen: 0.106 ppbv m

RT: 3.05 min Scan# 34

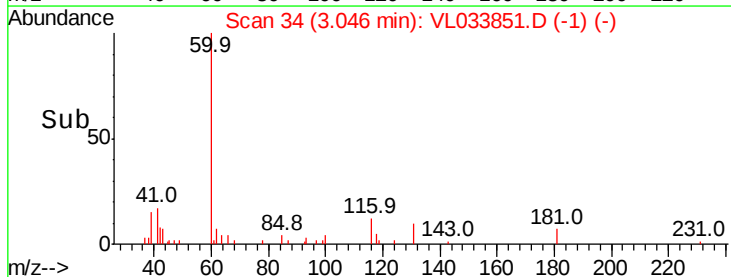
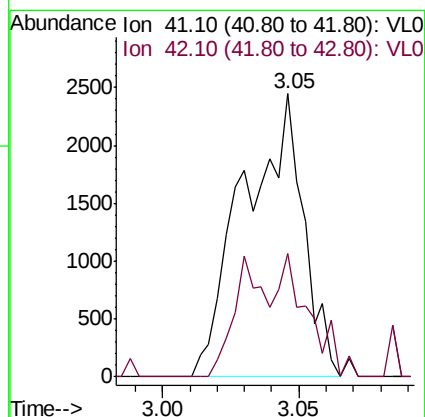
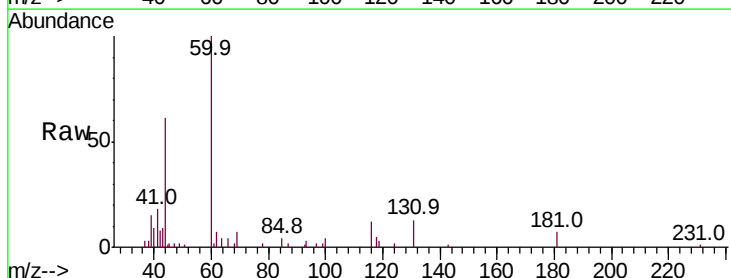
Delta R.T. 0.01 min

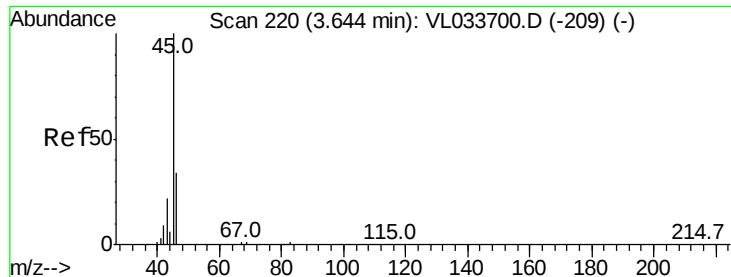
Lab File: VL033851.D

Acq: 30 May 2019 1:34

Tgt Ion: 41 Resp: 3708

Ion	Ratio	Lower	Upper
41	100		
42	0.0	56.1	84.1#





#13

Ethanol

Concen: 1.957 ppbv m

RT: 3.66 min Scan# 224

Delta R.T. 0.01 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Instrument :

MSVOA_L

ClientSampleId :

SG-7-20190523-1DL

Tot Ion: 45 Resp: 22170

Ion Ratio Lower Upper

45 100

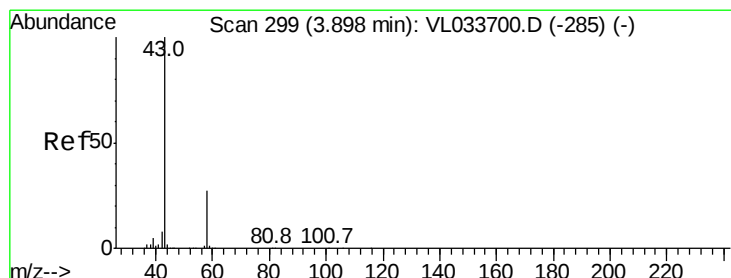
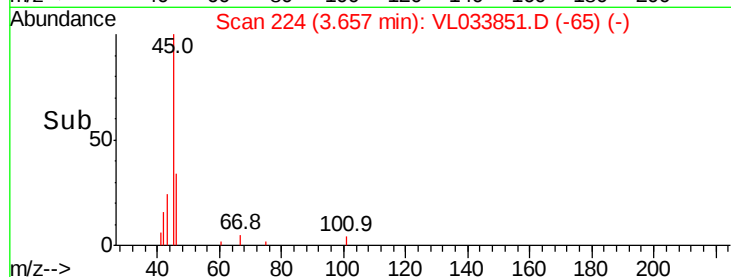
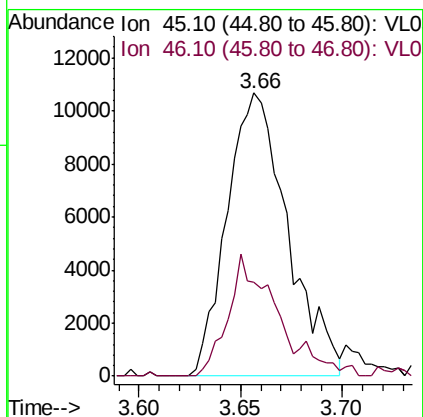
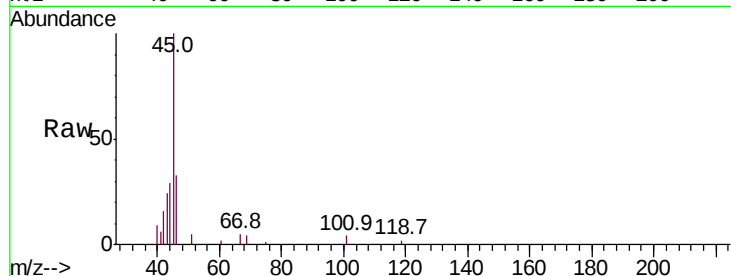
46 35.2 14.8 59.0

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#15

Acetone

Concen: 0.911 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033851.D

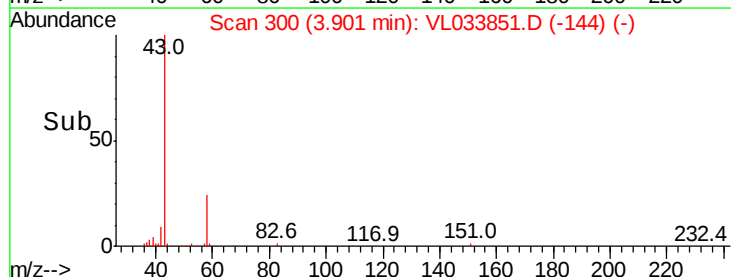
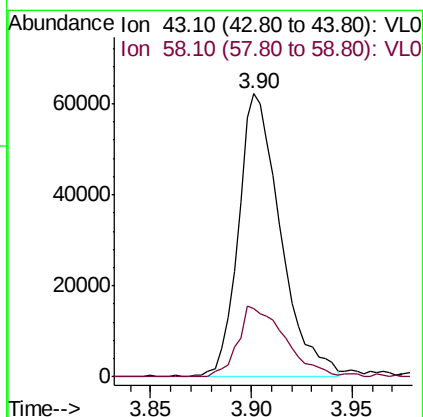
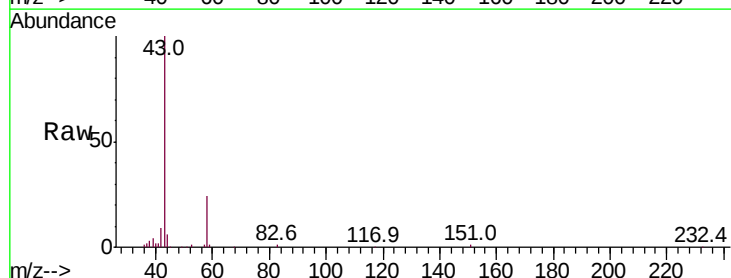
Acq: 30 May 2019 1:34

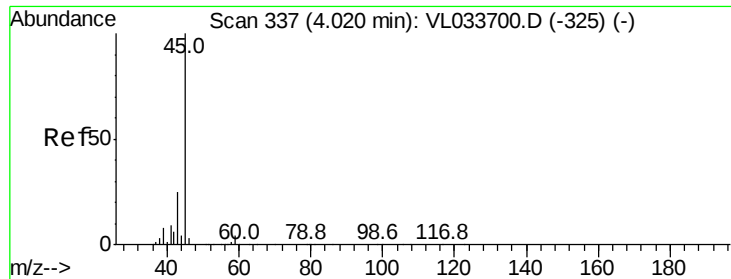
Tgt Ion: 43 Resp: 90912

Ion Ratio Lower Upper

43 100

58 28.5 21.3 31.9





#19

Isopropyl Alcohol

Concen: 0.220 ppbv m

RT: 4.03 min Scan# 341

Delta R.T. 0.01 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Instrument :

MSVOA_L

ClientSampleId :

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Tot Ion: 45 Resp: 14124

Ion Ratio Lower Upper

45 100

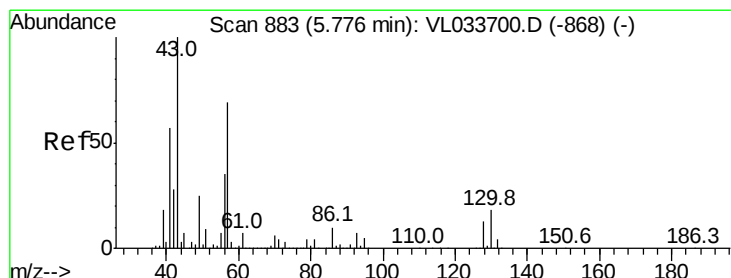
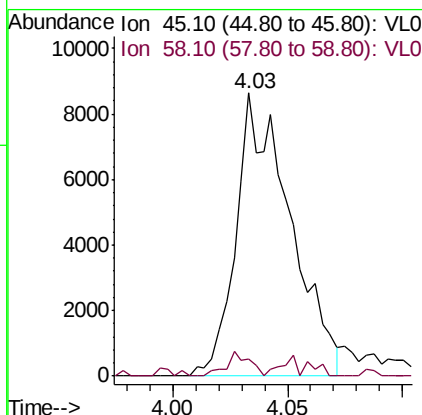
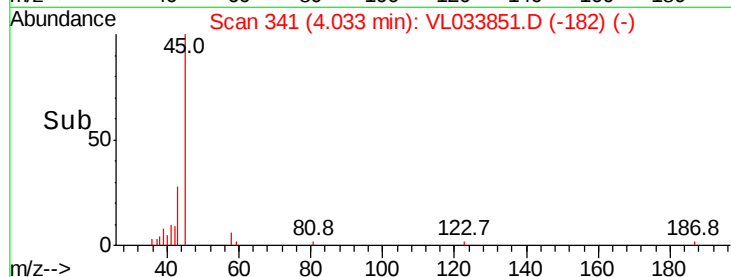
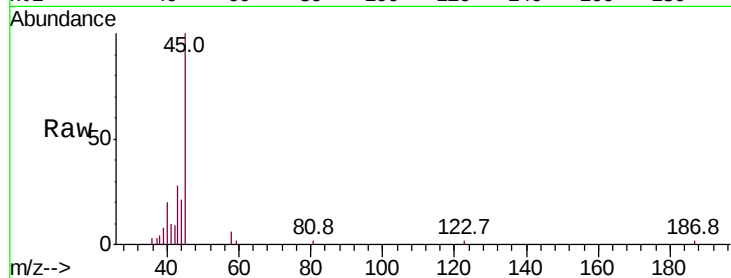
58 6.5 1.6 2.4#

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#26

Hexane

Concen: 0.114 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Tgt Ion: 57 Resp: 8573

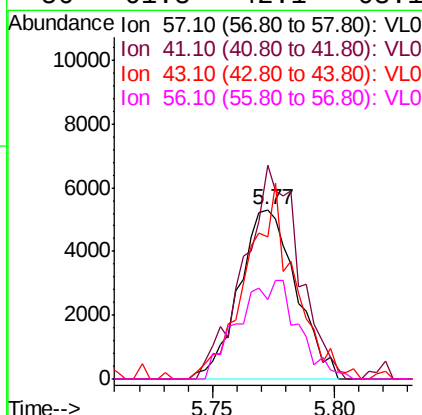
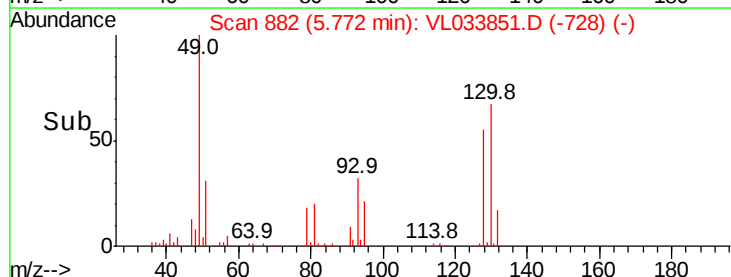
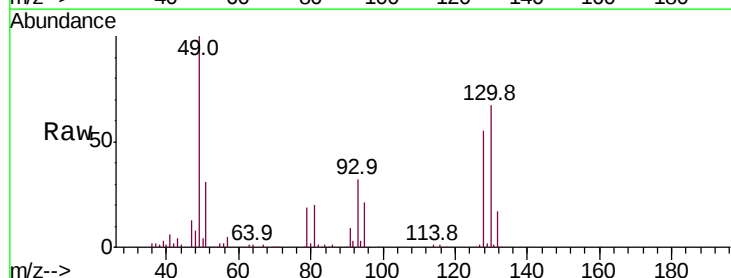
Ion Ratio Lower Upper

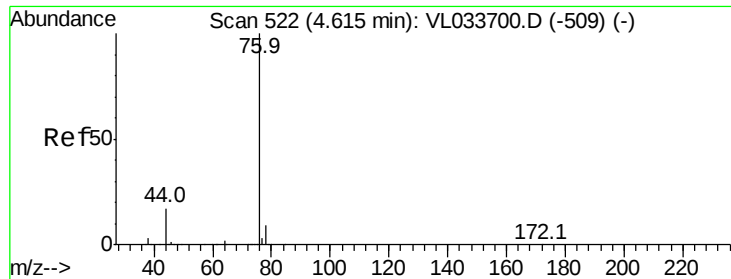
57 100

41 122.2 69.8 104.6#

43 99.5 181.8 272.6#

56 61.8 42.1 63.1





#27

Carbon Disulfide

Concen: 0.152 ppbv m

RT: 4.62 min Scan# 523

Delta R.T. 0.00 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Instrument :

MSVOA_L

ClientSampleId :

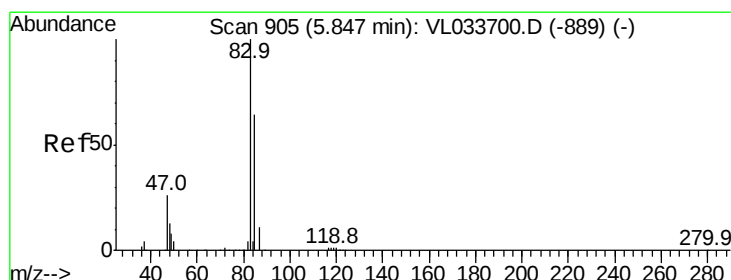
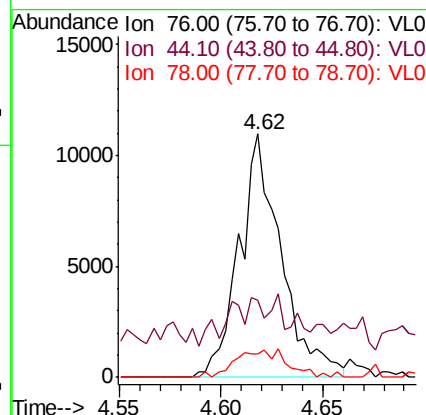
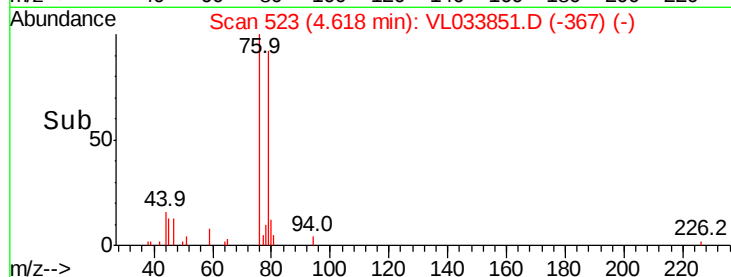
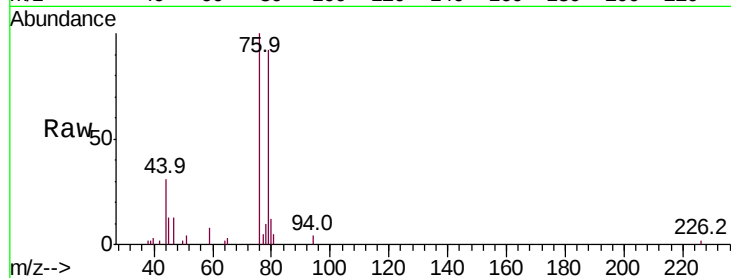
SG-7-20190523-1DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	34.8	13.8	20.8#
78	14.2	7.4	11.0#

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#29

Chloroform

Concen: 0.122 ppbv

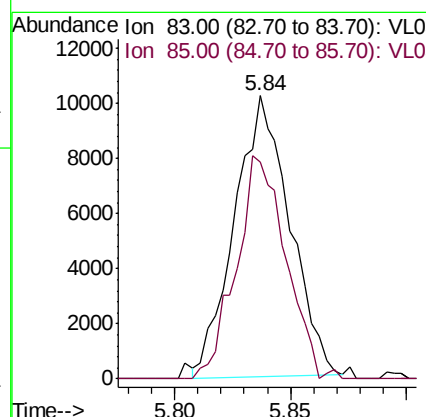
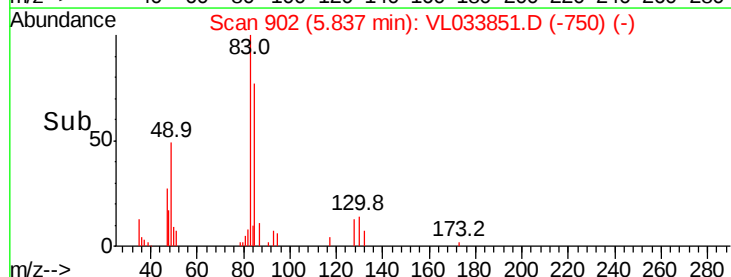
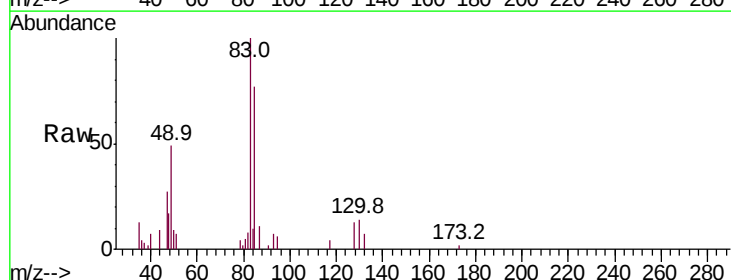
RT: 5.84 min Scan# 902

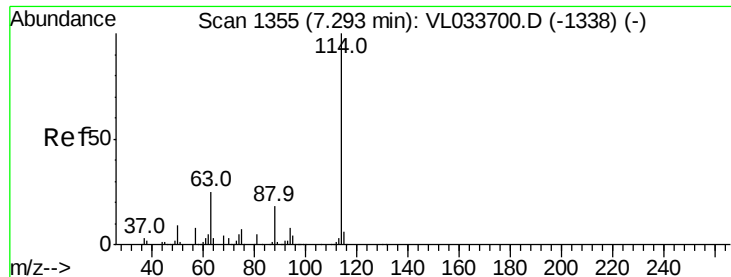
Delta R.T. -0.01 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Tgt Ion	Ratio	Lower	Upper
83	100		
85	78.1	51.5	77.3#





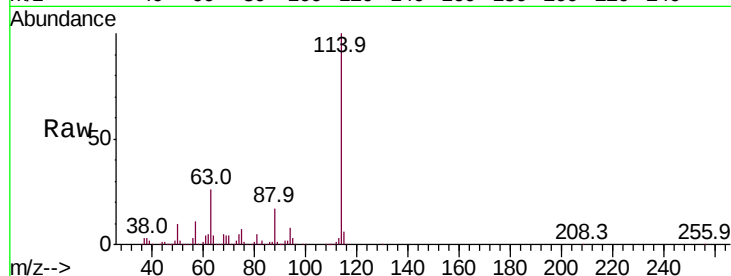
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033851.D
 Acq: 30 May 2019 1:34

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-20190523-1DL

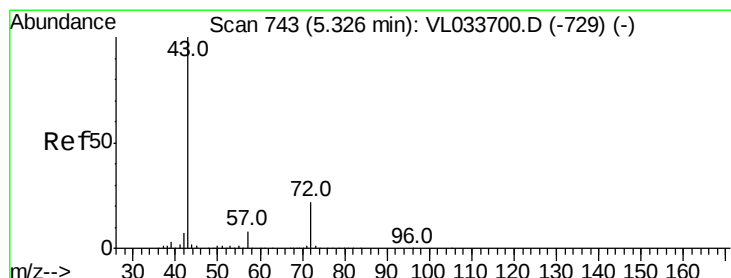
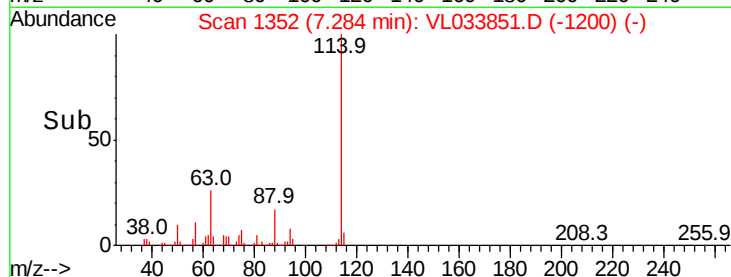
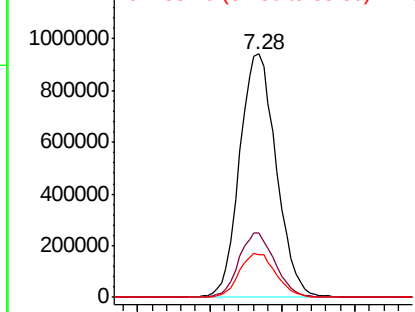
Tot Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	18.0	14.3	21.5

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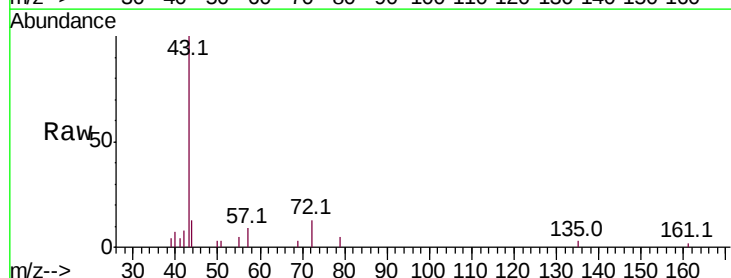


Abundance Ion 114.10 (113.80 to 114.80): VL0
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

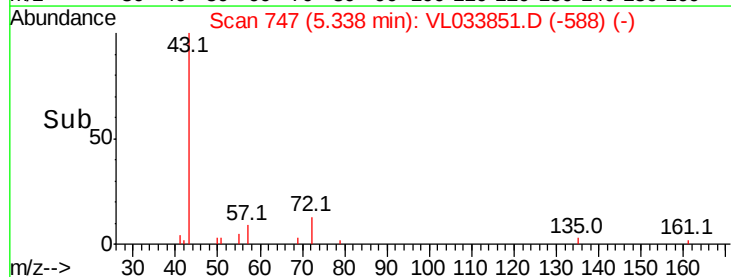
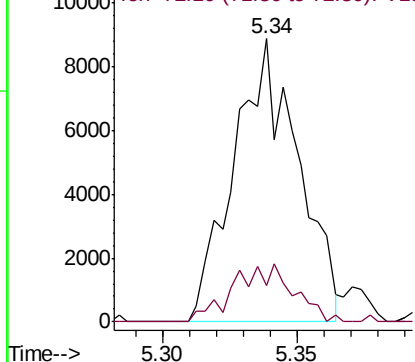


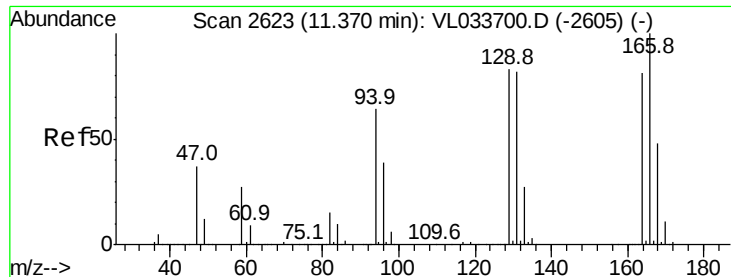
#34
 2-Butanone
 Concen: 0.143 ppbv m
 RT: 5.34 min Scan# 747
 Delta R.T. 0.01 min
 Lab File: VL033851.D
 Acq: 30 May 2019 1:34

Tgt Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.8	26.6#



Abundance Ion 43.10 (42.80 to 43.80): VL0
 Ion 72.10 (71.80 to 72.80): VL0





#52

Tetrachloroethene

Concen: 0.752 ppbv

RT: 11.37 min Scan# 2623

Delta R.T. -0.00 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Instrument :

MSVOA_L

ClientSampleId :

SG-7-20190523-1DL

Tot Ion:164 Resp: 39781

Ion Ratio Lower Upper

164 100

166 102.4 98.9 148.3

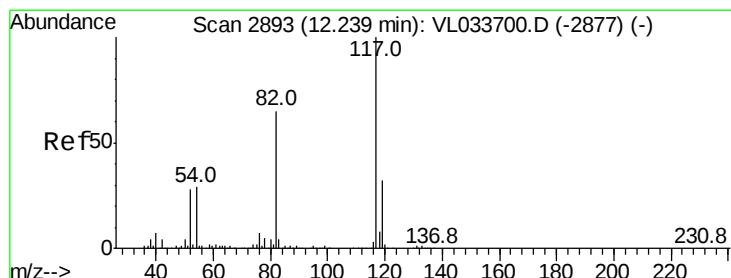
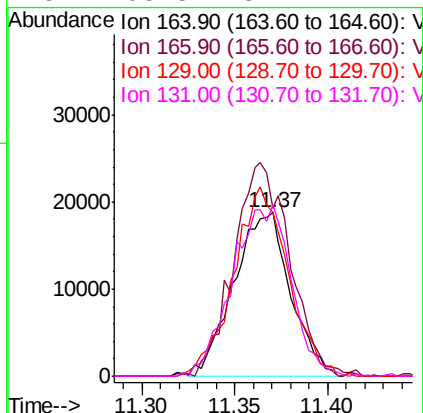
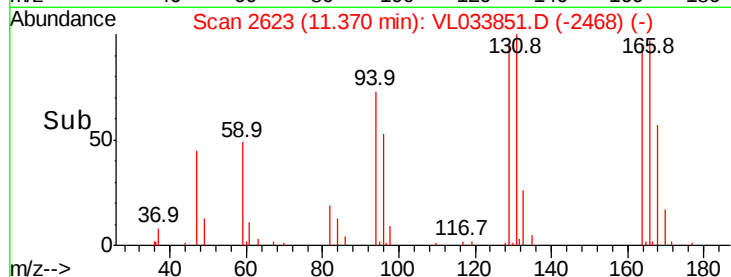
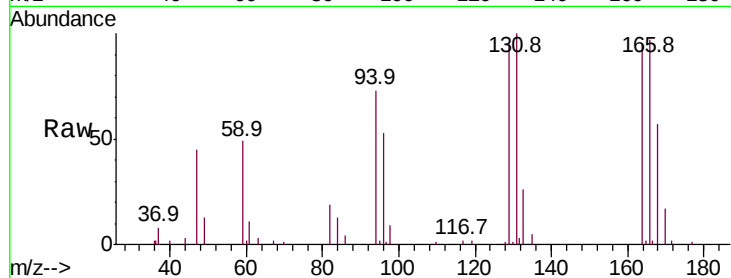
129 99.8 81.8 122.6

131 108.5 81.1 121.7

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2890

Delta R.T. -0.01 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

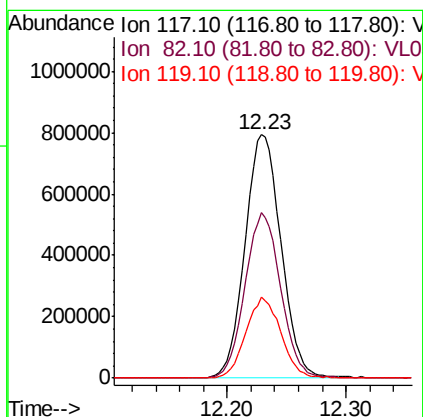
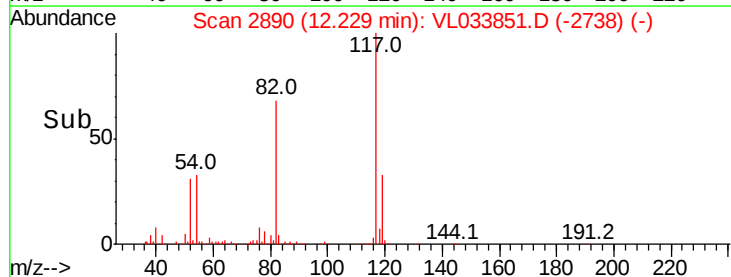
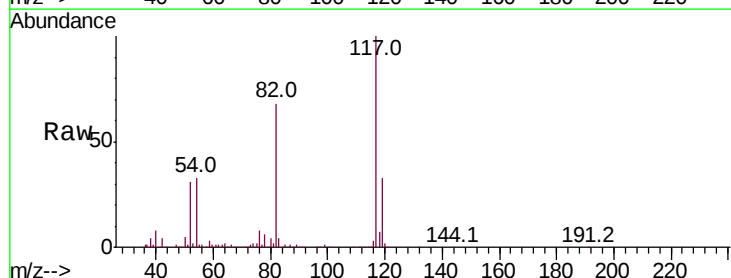
Tgt Ion:117 Resp: 1665170

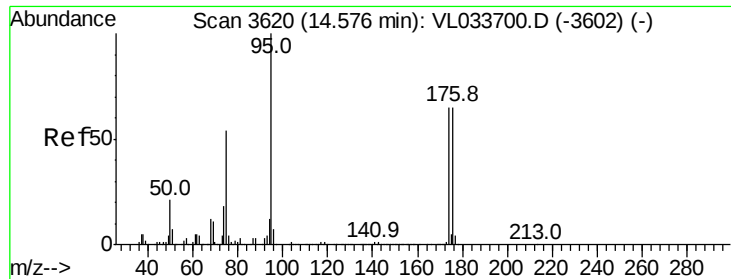
Ion Ratio Lower Upper

117 100

82 67.9 49.4 74.0

119 32.3 24.9 37.3





#68

1-Bromo-4-Fluorobenzene

Concen: 9.958 ppbv

RT: 14.57 min Scan# 3617

Delta R.T. -0.01 min

Lab File: VL033851.D

Acq: 30 May 2019 1:34

Instrument :

MSVOA_L

ClientSampleId :

SG-7-20190523-1DL

Tot Ion: 95 Resp: 1344210

Ion Ratio Lower Upper

95 100

174 65.6 53.9 80.9

175 4.8 3.8 5.8

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