

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033853.D
 Acq On : 30 May 2019 2:53
 Operator : SY/AP
 Sample : K3067-05DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-20190523-ODL

Manual Integrations
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Quant Time: May 30 06:28:26 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	638499	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1453933	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.23	117	1565765	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.57	95	1259002	9.92	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	99.20%

Target Compounds					Ovalue
13) Ethanol	3.66	45	17718m	1.762	ppbv
15) Acetone	3.91	43	76781	0.867	ppbv
20) Methylene Chloride	4.41	84	8532	0.250	ppbv #
26) Hexane	5.77	57	8928	0.133	ppbv #
29) Chloroform	5.84	83	13879	0.113	ppbv
34) 2-Butanone	5.34	43	10609m	0.118	ppbv
52) Tetrachloroethene	11.37	164	30109	0.648	ppbv
53) Toluene	9.94	91	18614m	0.130	ppbv

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

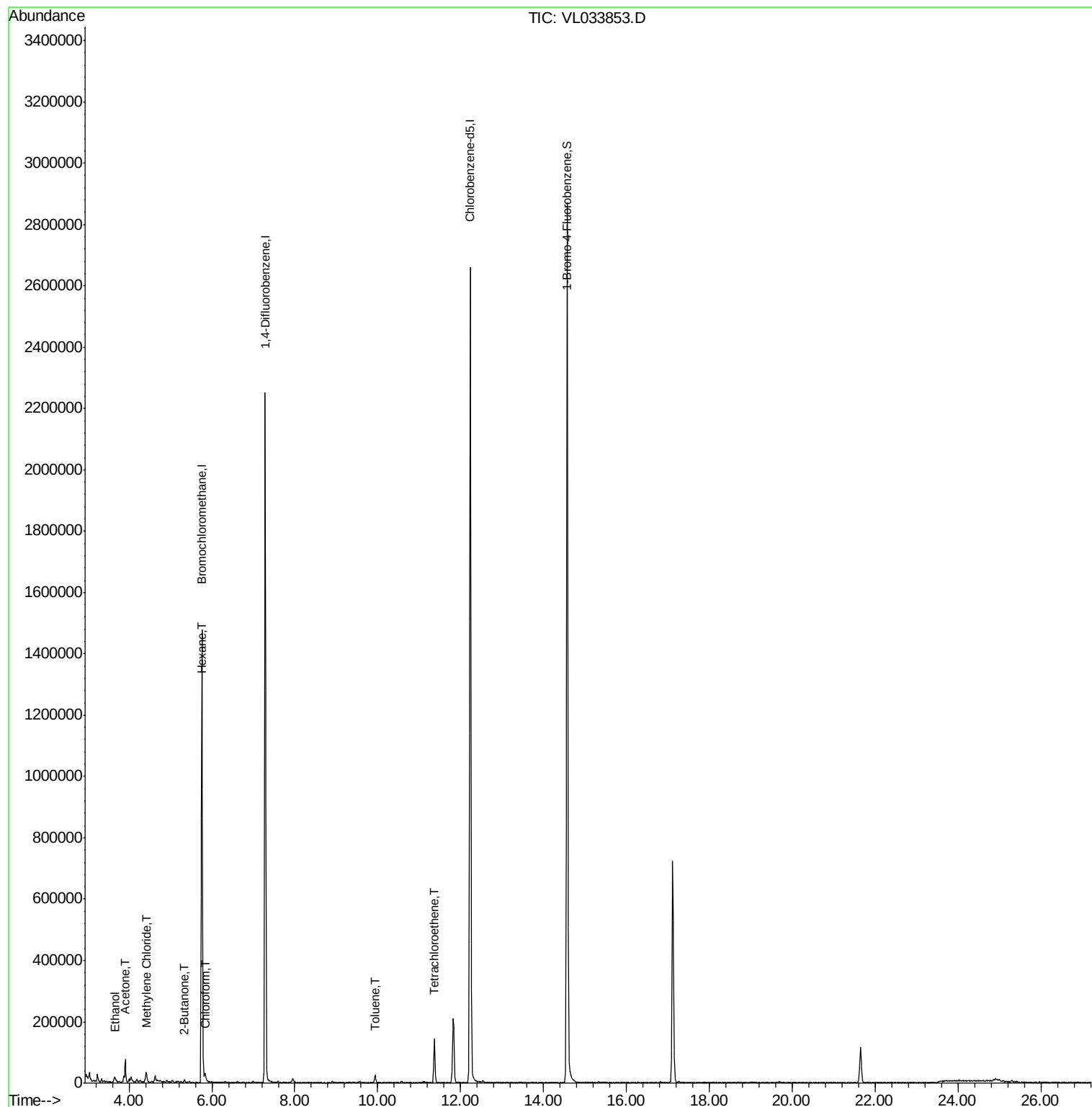
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033853.D
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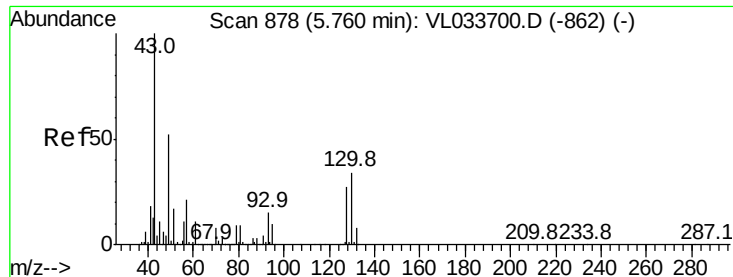
Instrument :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL051719AIR.M
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QLast Update : Fri May 17 08:15:41 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.75 min Scan# 876

Delta R.T. -0.01 min

Lab File: VL033853.D

Acq: 30 May 2019 2:53

Instrument :

MSVOA_L

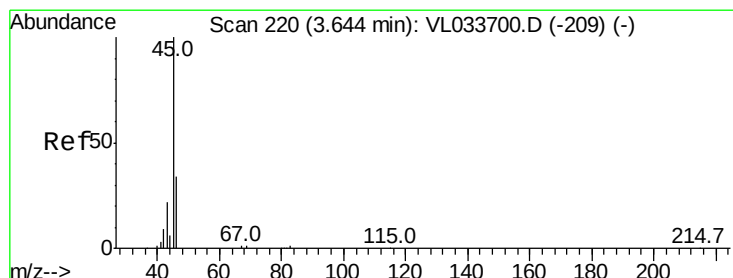
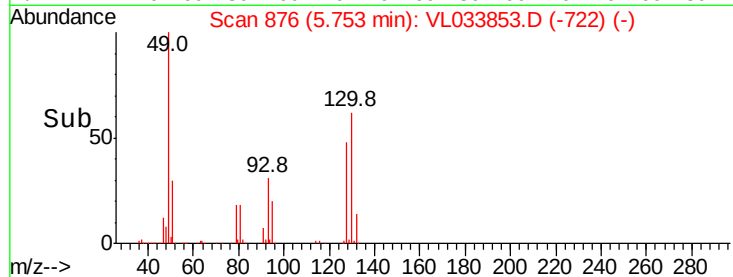
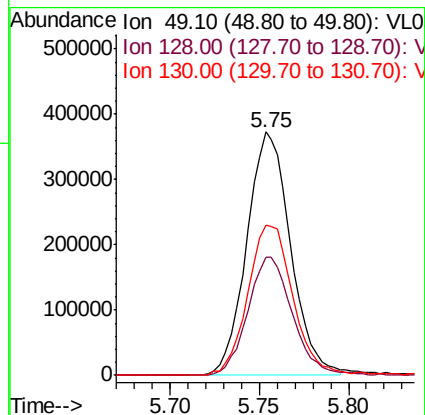
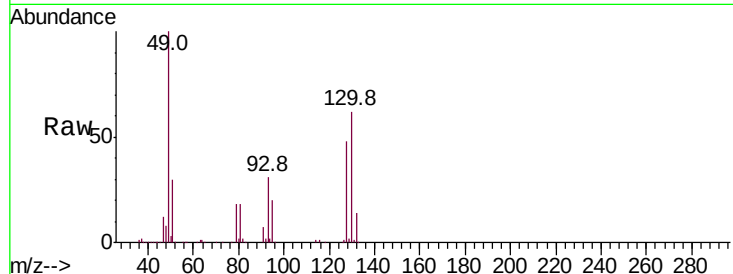
ClientSampleId :

SG-7-20190523-ODL

Tot Ion:	49	Resp:	638499
Ion Ratio	Lower	Upper	
49	100		
128	49.9	25.2	75.6
130	64.8	32.5	97.5

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#13

Ethanol

Concen: 1.762 ppbv m

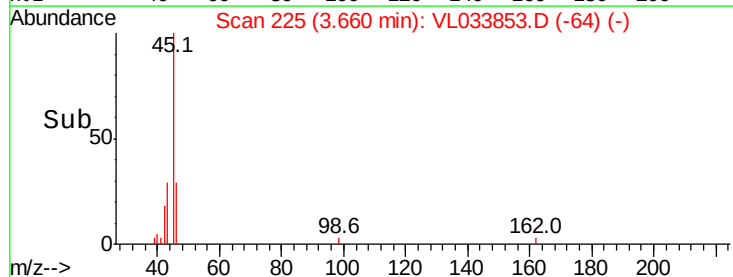
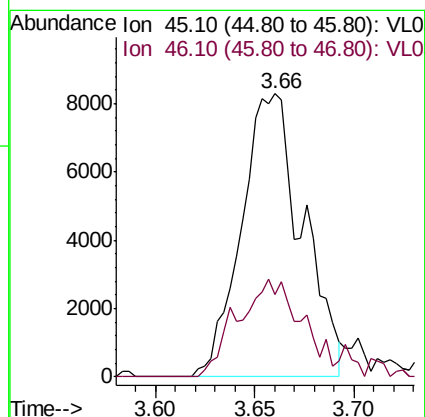
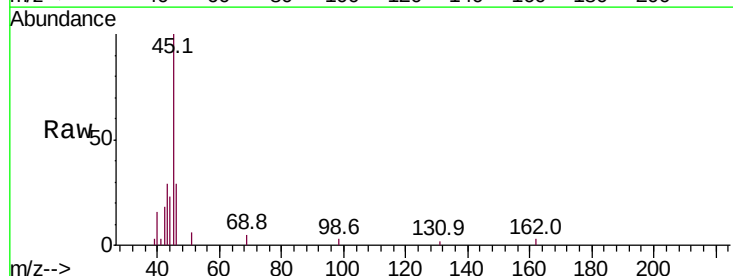
RT: 3.66 min Scan# 225

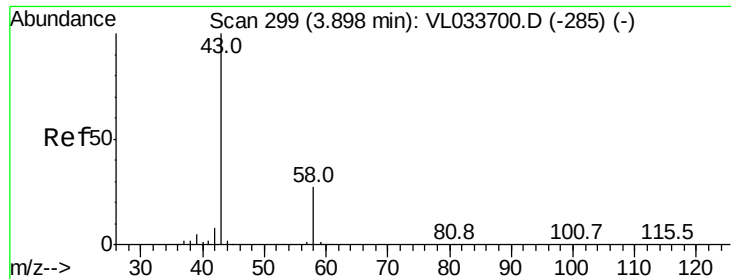
Delta R.T. 0.02 min

Lab File: VL033853.D

Acq: 30 May 2019 2:53

Tgt Ion:	45	Resp:	17718
Ion Ratio	Lower	Upper	
45	100		
46	0.0	14.8	59.0#





#15

Acetone

Concen: 0.867 ppbv

RT: 3.91 min Scan# 302

Delta R.T. 0.01 min

Lab File: VL033853.D

Acq: 30 May 2019 2:53

Instrument :

MSVOA_L

ClientSampleId :

SG-7-20190523-ODL

Tot Ion: 43 Resp: 76781

Ion Ratio Lower Upper

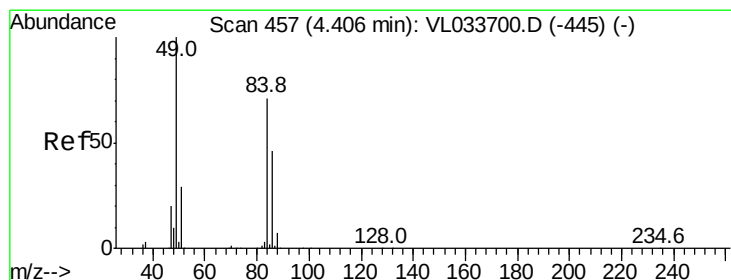
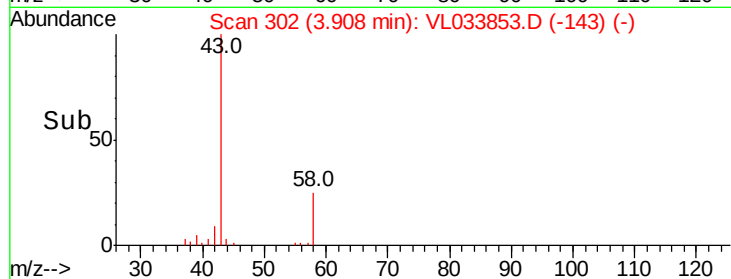
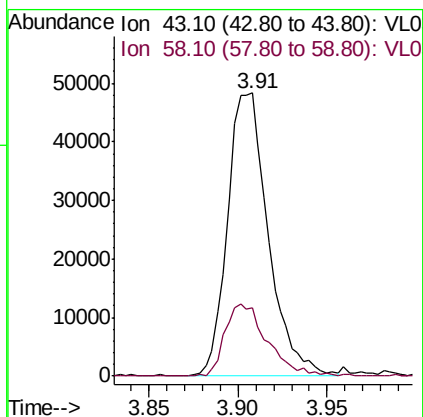
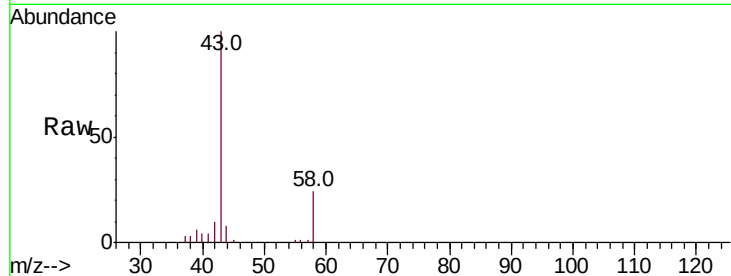
43 100

58 26.5 21.3 31.9

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#20

Methylene Chloride

Concen: 0.250 ppbv

RT: 4.41 min Scan# 458

Delta R.T. 0.00 min

Lab File: VL033853.D

Acq: 30 May 2019 2:53

Tgt Ion: 84 Resp: 8532

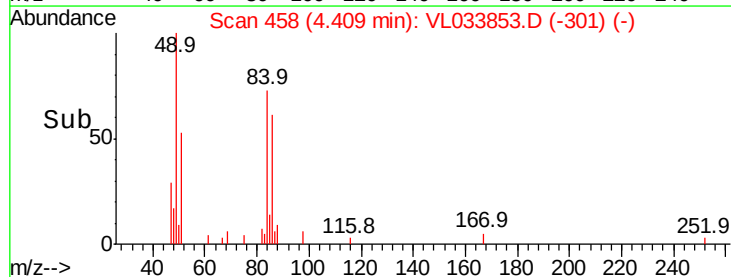
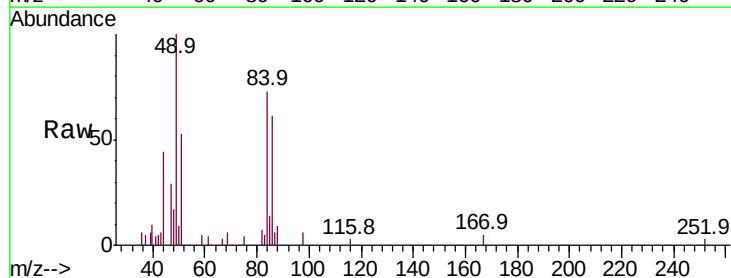
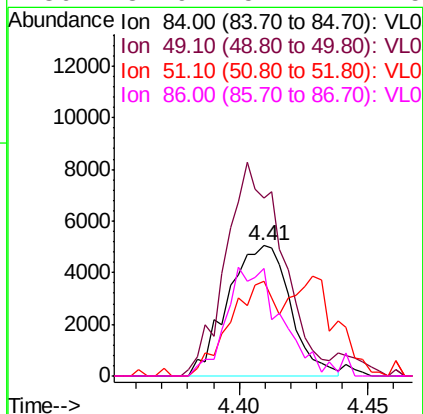
Ion Ratio Lower Upper

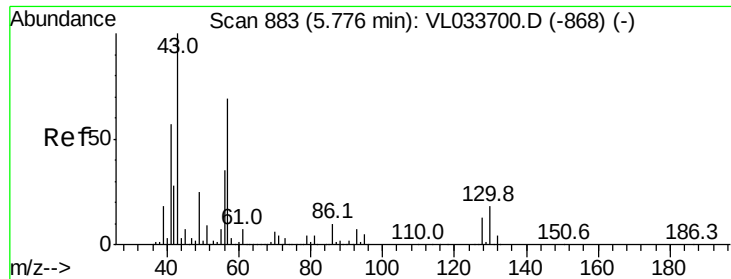
84 100

49 143.1 112.8 169.2

51 72.7 33.4 50.0#

86 82.9 51.7 77.5#





#26

Hexane

Concen: 0.133 ppbv

RT: 5.77 min Scan# 882

Delta R.T. -0.00 min

Lab File: VL033853.D

Acq: 30 May 2019 2:53

Instrument :

MSVOA_L

ClientSampleId :

SG-7-20190523-0DL

Tot Ion: 57 Resp: 8928

Ion Ratio Lower Upper

57 100

41 122.6 69.8 104.6#

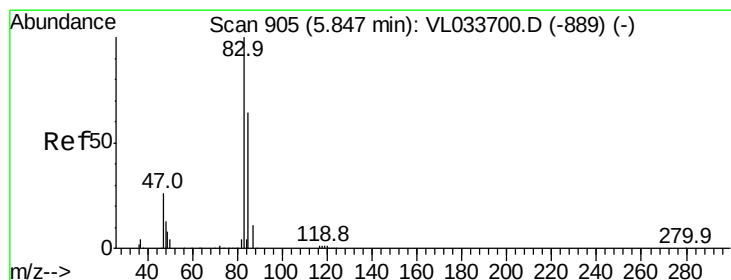
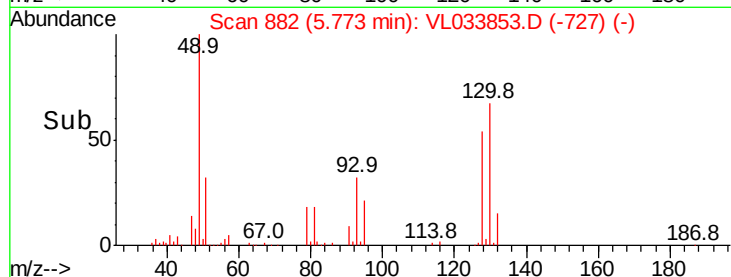
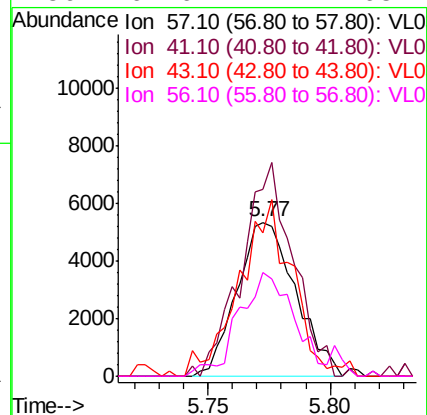
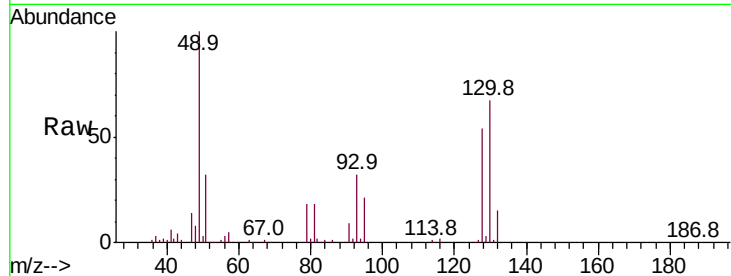
43 106.9 181.8 272.6#

56 67.6 42.1 63.1#

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#29

Chloroform

Concen: 0.113 ppbv

RT: 5.84 min Scan# 904

Delta R.T. -0.00 min

Lab File: VL033853.D

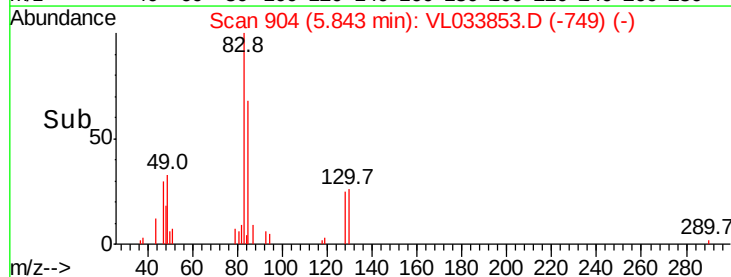
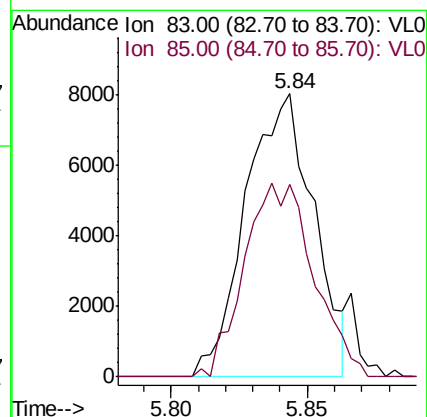
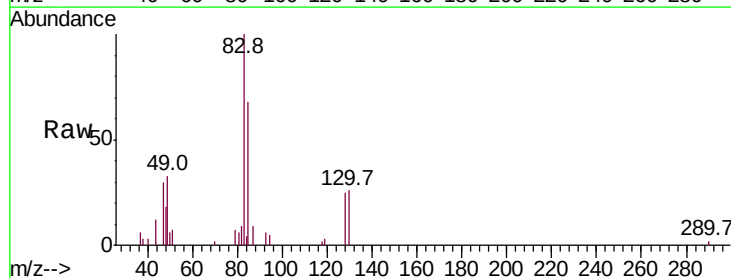
Acq: 30 May 2019 2:53

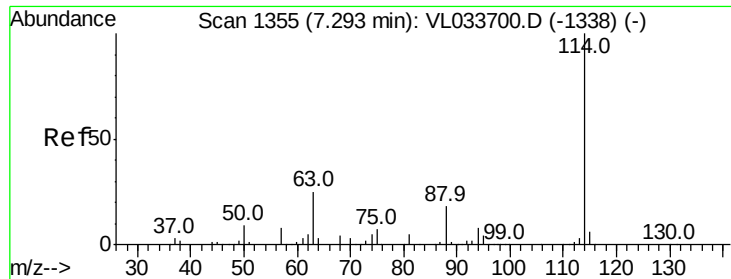
Tgt Ion: 83 Resp: 13879

Ion Ratio Lower Upper

83 100

85 67.8 51.5 77.3





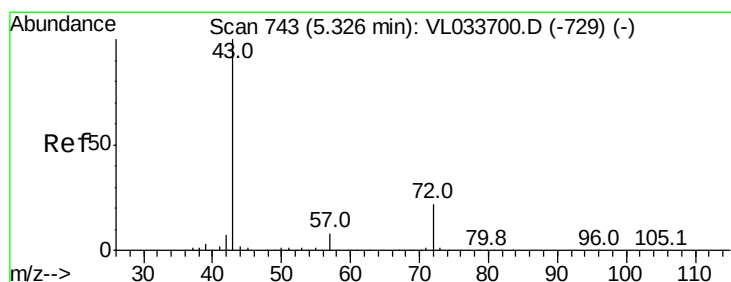
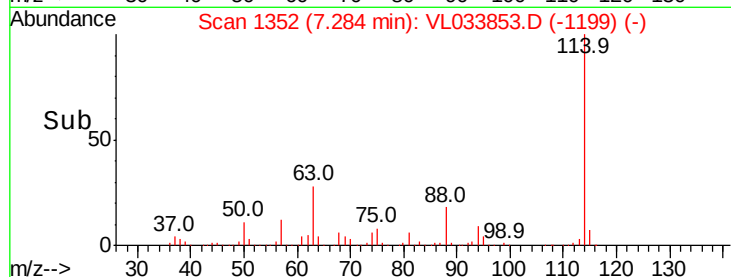
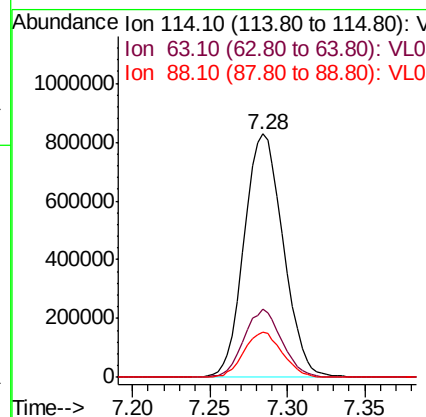
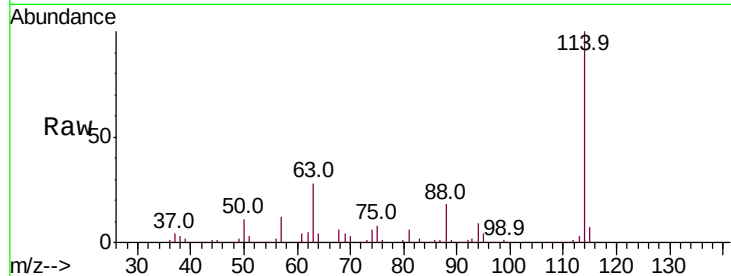
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.28 min Scan# 1352
 Delta R.T. -0.01 min
 Lab File: VL033853.D
 Acq: 30 May 2019 2:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-7-20190523-ODL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.2	20.9	31.3
88	18.3	14.3	21.5

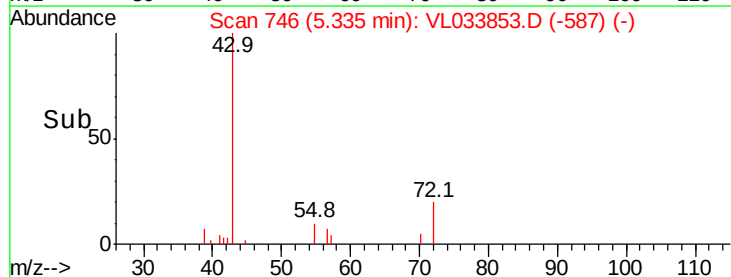
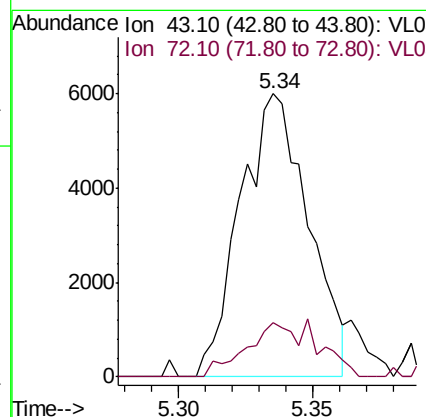
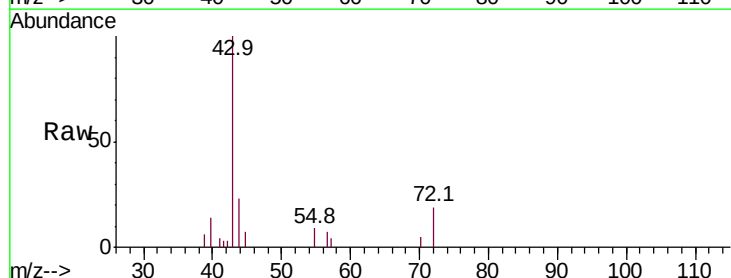
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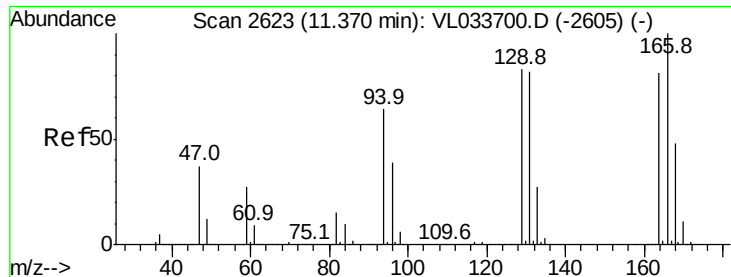
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#34
 2-Butanone
 Concen: 0.118 ppbv m
 RT: 5.34 min Scan# 746
 Delta R.T. 0.01 min
 Lab File: VL033853.D
 Acq: 30 May 2019 2:53

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





#52

Tetrachloroethene

Concen: 0.648 ppbv

RT: 11.37 min Scan# 2622

Delta R.T. -0.00 min

Lab File: VL033853.D

Acq: 30 May 2019 2:53

Instrument :

MSVOA_L

ClientSampleId :

SG-7-20190523-ODL

Tot Ion:164 Resp: 30109

Ion Ratio Lower Upper

164 100

166 123.4 98.9 148.3

129 103.1 81.8 122.6

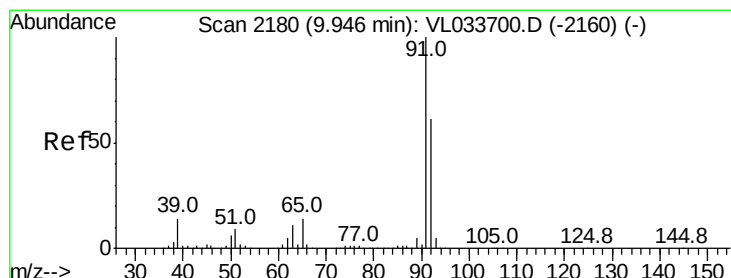
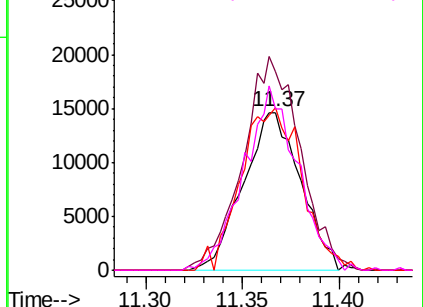
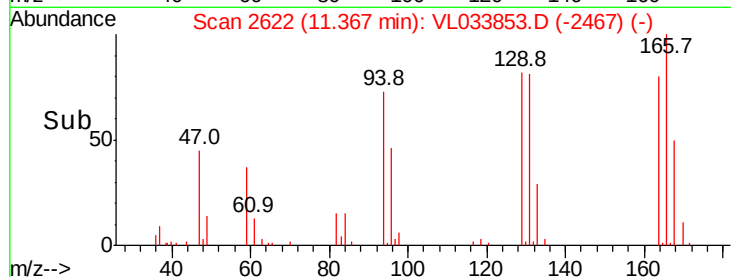
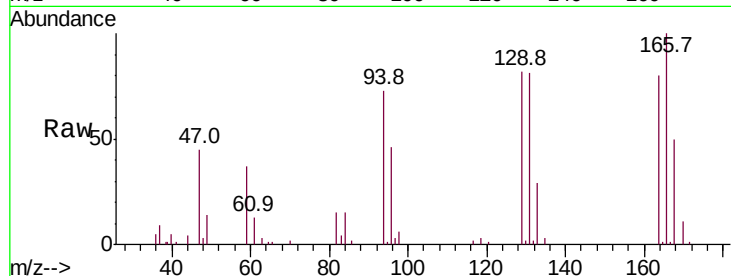
131 101.2 81.1 121.7

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#53

Toluene

Concen: 0.130 ppbv m

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033853.D

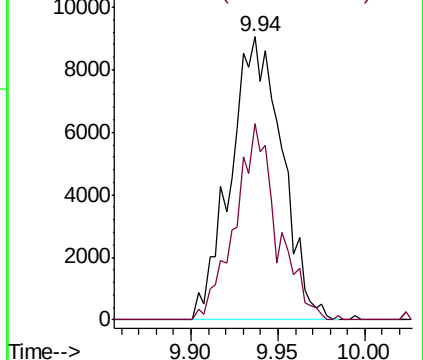
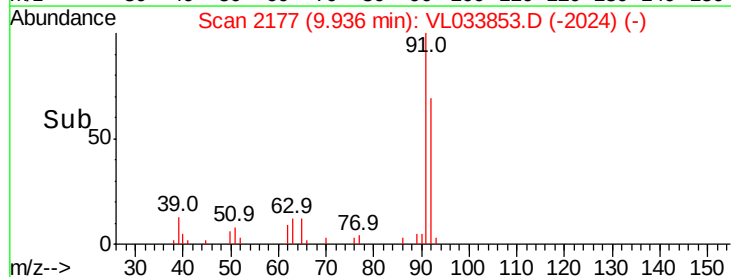
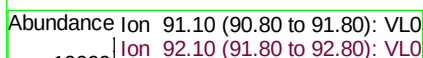
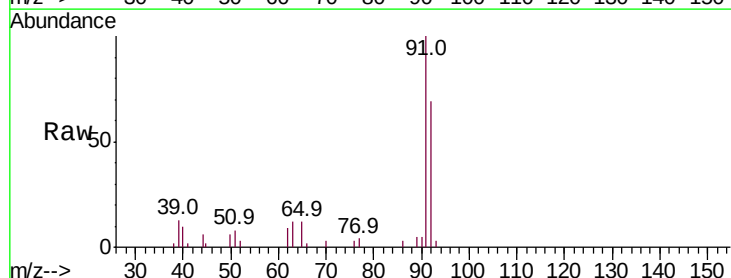
Acq: 30 May 2019 2:53

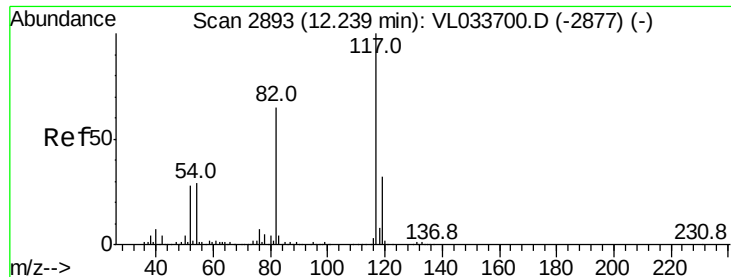
Tgt Ion: 91 Resp: 18614

Ion Ratio Lower Upper

91 100

92 56.7 47.6 71.4





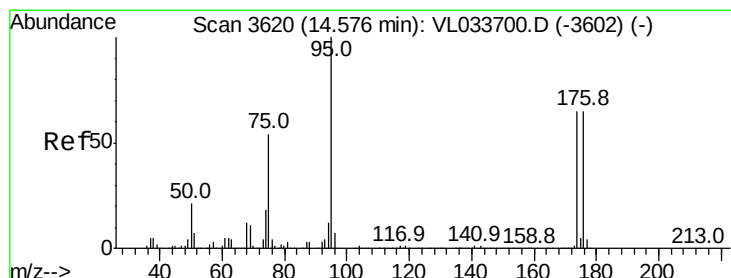
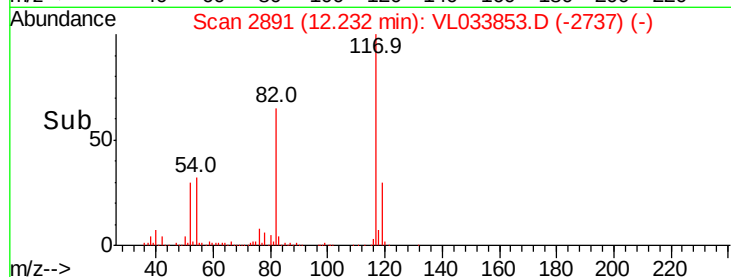
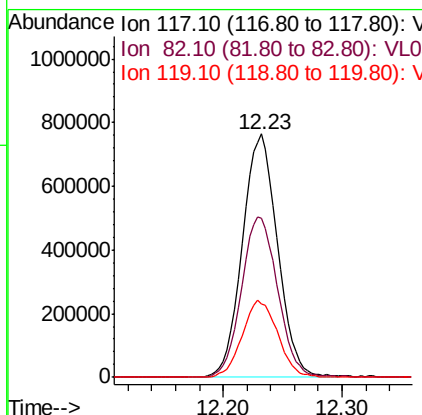
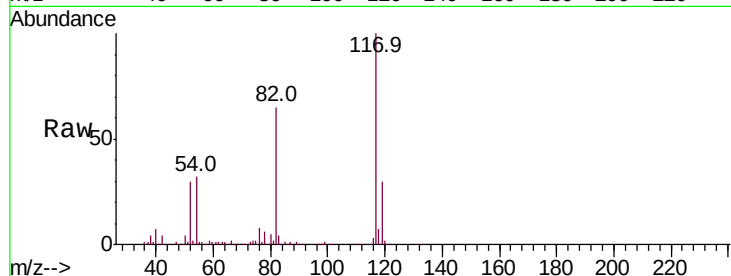
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.23 min Scan# 2891
Delta R.T. -0.01 min
Lab File: VL033853.D
Acq: 30 May 2019 2:53

Instrument :
MSVOA_L
ClientSampleId :
SG-7-20190523-ODL

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.3	49.4	74.0
119	32.0	24.9	37.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.919 ppbv
RT: 14.57 min Scan# 3617
Delta R.T. -0.01 min
Lab File: VL033853.D
Acq: 30 May 2019 2:53

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.4	53.9	80.9
175	4.8	3.8	5.8

