

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL052919\
 Data File : VL033863.D
 Acq On : 30 May 2019 9:36
 Operator : SY/AP
 Sample : K3007-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1DL

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Quant Time: May 31 07:20:17 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	728169	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.28	114	1680393	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.23	117	1658016	10.00	ppbv	-0.01

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.56	95	1351355	10.05	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	20232	0.243	ppbv	99
9) Propene	3.04	41	112250	3.164	ppbv	86
10) Heptane	8.24	43	11033m	0.110	ppbv	
13) Ethanol	3.64	45	282851	24.667	ppbv	99
15) Acetone	3.90	43	281352	2.785	ppbv	100
17) tert-Butyl alcohol	4.37	59	11052m	0.135	ppbv	
26) Hexane	5.77	57	59430	0.779	ppbv #	38
27) Carbon Disulfide	4.61	76	21106m	0.202	ppbv	
34) 2-Butanone	5.34	43	25185m	0.242	ppbv	
36) Benzene	6.99	78	26719m	0.175	ppbv	
53) Toluene	9.94	91	54877m	0.333	ppbv	

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

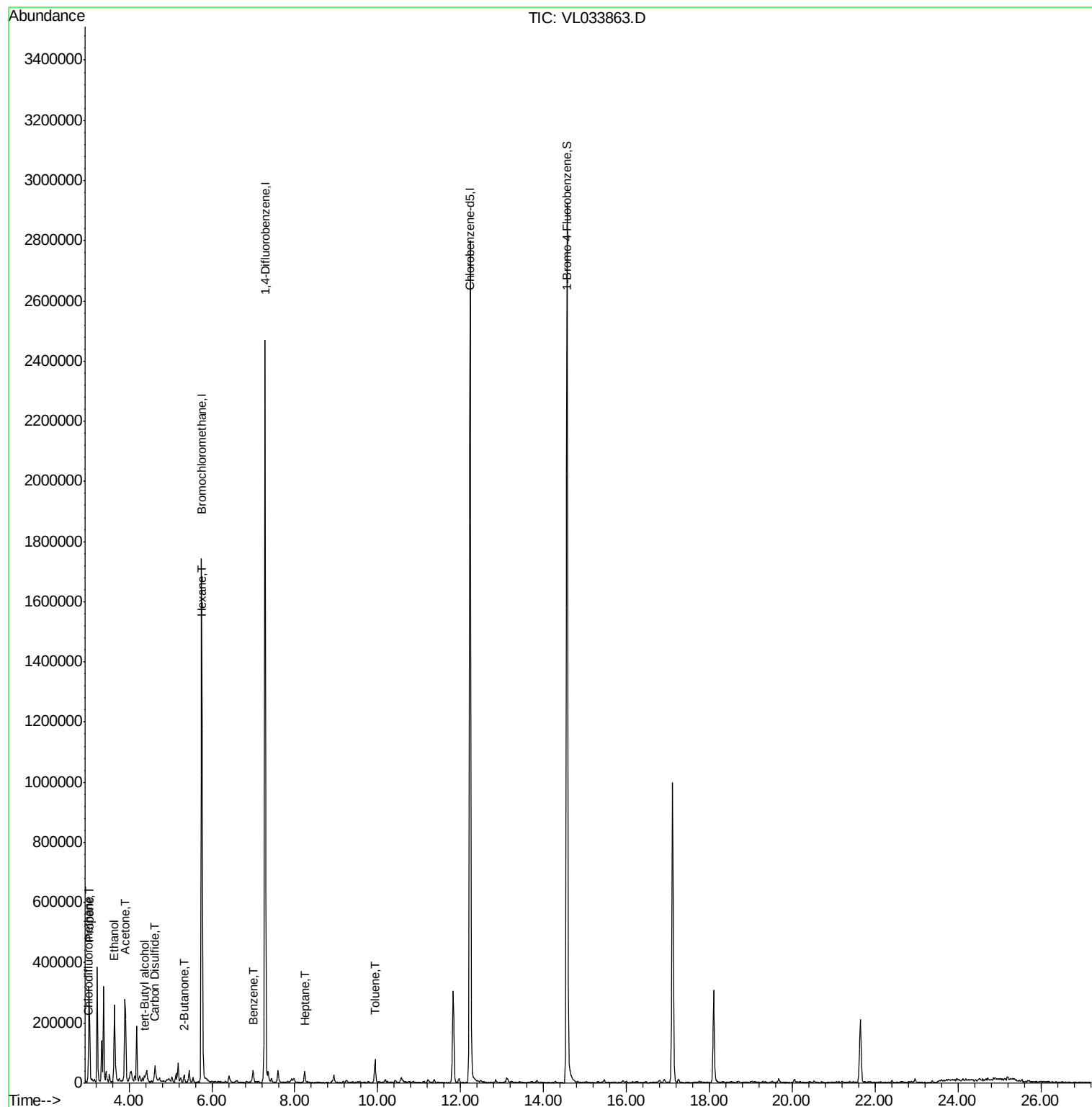
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL052919\
Data File : VL033863.D
Acq On : 30 May 2019 9:36
Operator : SY/AP
Sample : K3007-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

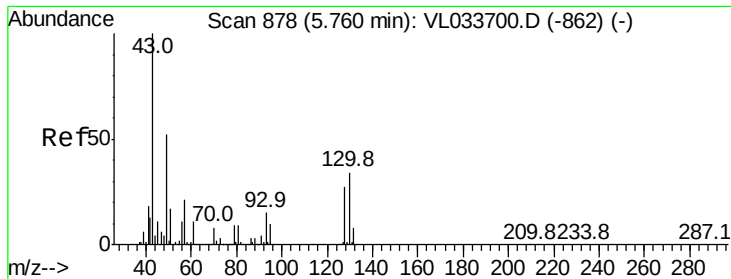
Instrument :
MSVOA_L
ClientSampleId :
SSG-1DL

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Quant Time: May 31 07:20:17 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: VL033863.D

Acq: 30 May 2019 9:36

Instrument :

MSVOA_L

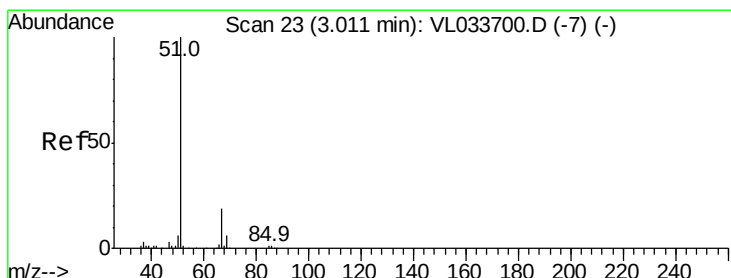
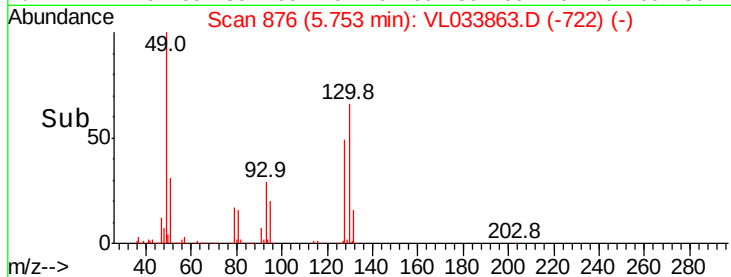
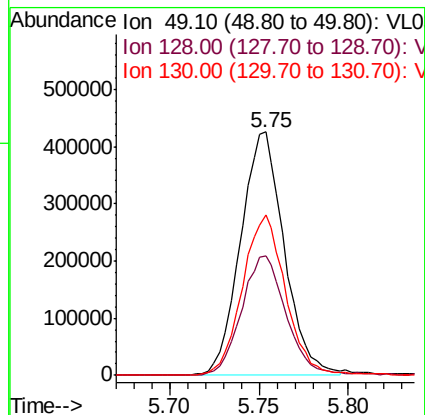
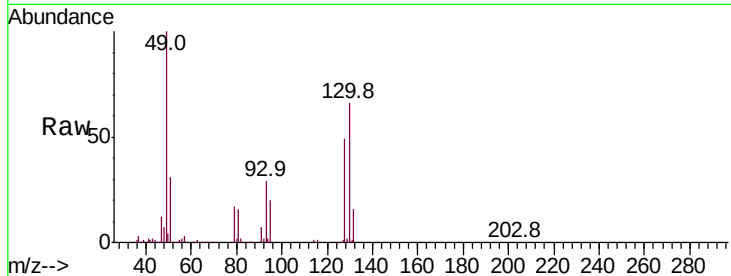
ClientSampleId :

SSG-1DL

Tot Ion:	49	Resp:	728169
Ion Ratio	Lower	Upper	
49	100		
128	50.4	25.2	75.6
130	65.8	32.5	97.5

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#3

Chlorodifluoromethane

Concen: 0.243 ppbv

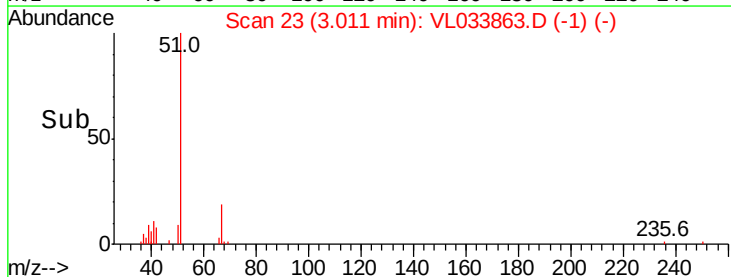
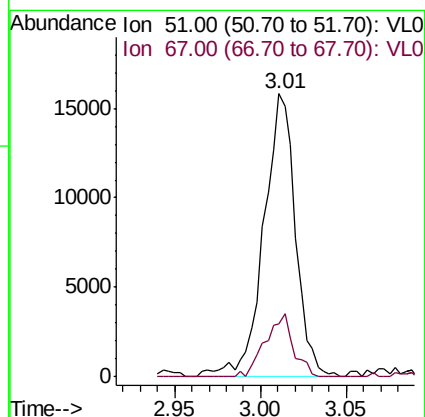
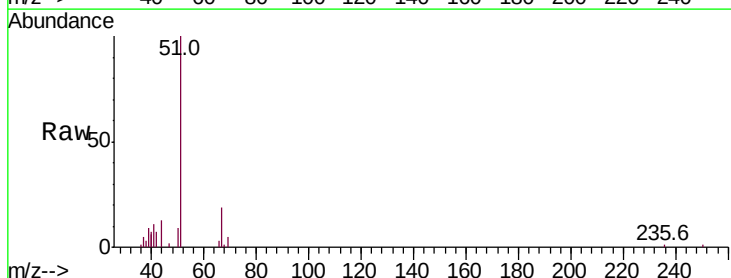
RT: 3.01 min Scan# 23

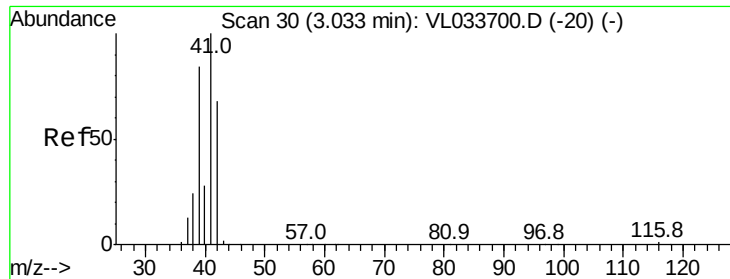
Delta R.T. 0.00 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

Tgt Ion:	51	Resp:	20232
Ion Ratio	Lower	Upper	
51	100		
67	19.8	15.6	23.4





#9

Propene

Concen: 3.164 ppbv

RT: 3.04 min Scan# 31

Delta R.T. 0.00 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

Instrument :

MSVOA_L

ClientSampled :

SSG-1DL

Tot Ion: 41 Resp: 112250

Ion Ratio Lower Upper

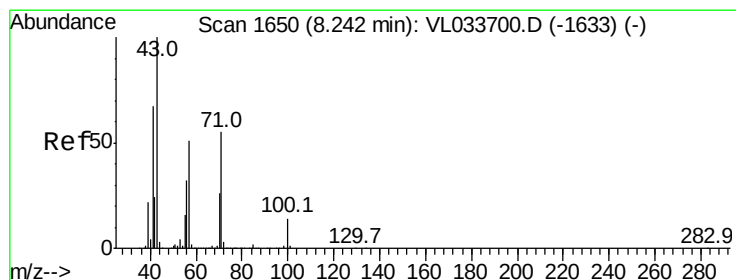
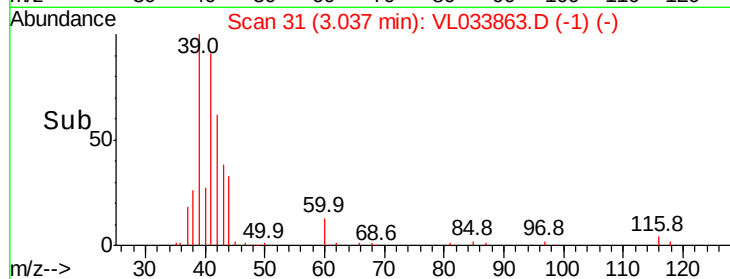
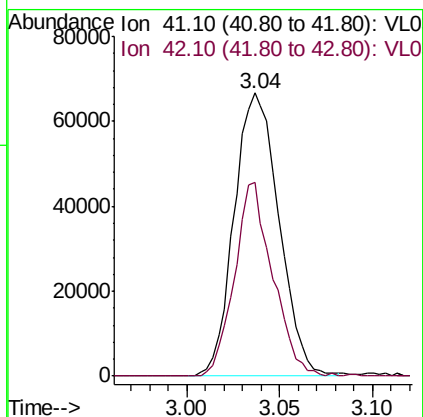
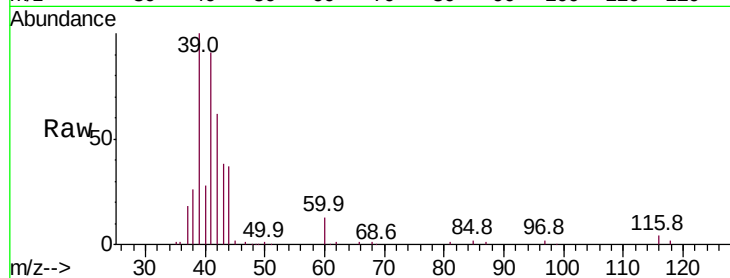
41 100

42 58.3 56.1 84.1

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#10

Heptane

Concen: 0.110 ppbv m

RT: 8.24 min Scan# 1650

Delta R.T. 0.00 min

Lab File: VL033863.D

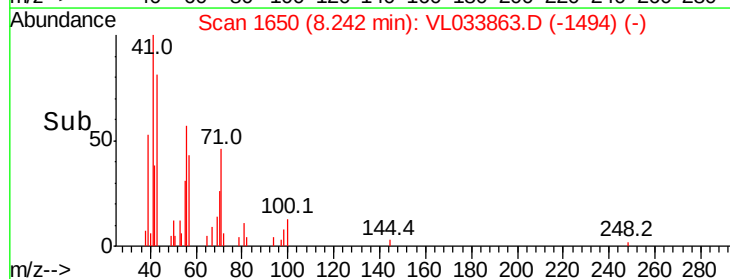
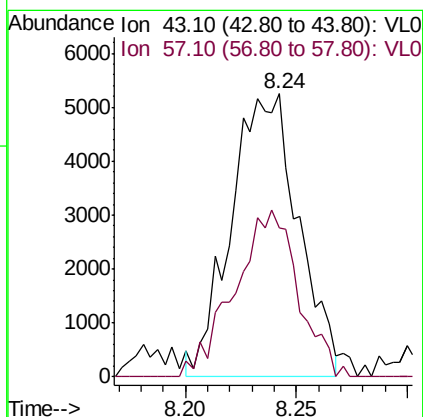
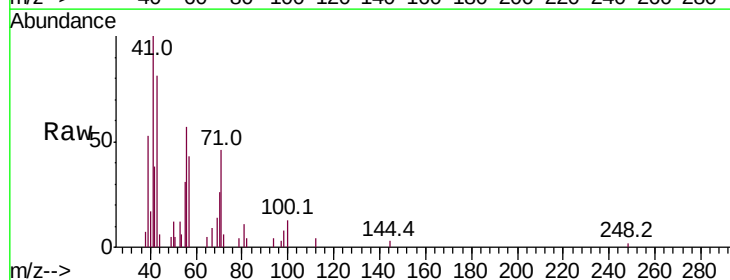
Acq: 30 May 2019 9:36

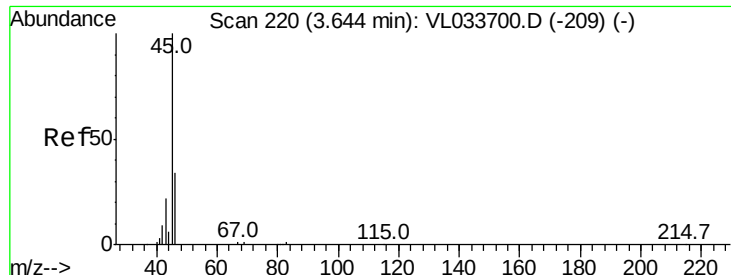
Tgt Ion: 43 Resp: 11033

Ion Ratio Lower Upper

43 100

57 0.0 41.4 62.0#





#13

Ethanol

Concen: 24.667 ppbv

RT: 3.64 min Scan# 220

Delta R.T. 0.00 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

Instrument :

MSVOA_L

ClientSampleId :

SSG-1DL

Tot Ion: 45 Resp: 282851

Ion Ratio Lower Upper

45 100

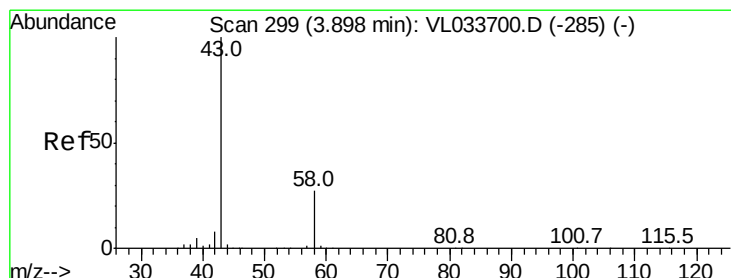
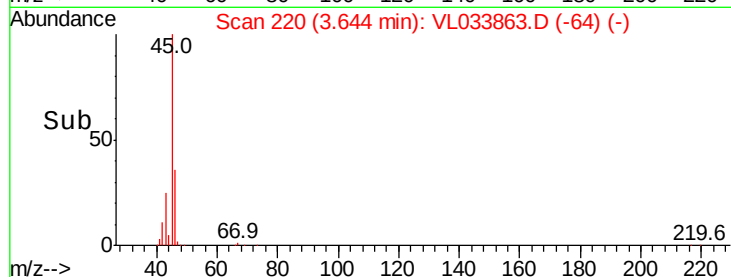
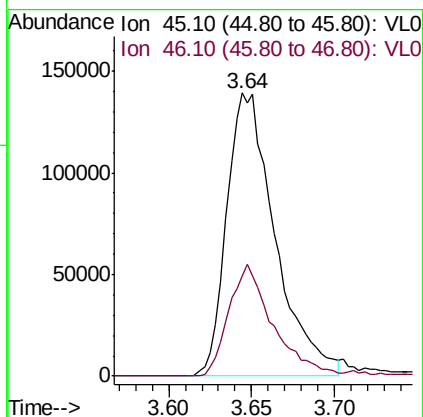
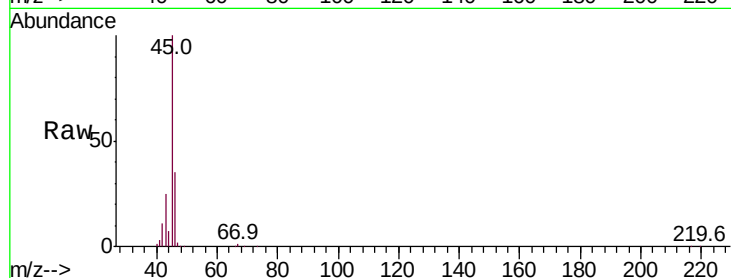
46 37.2 14.8 59.0

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#15

Acetone

Concen: 2.785 ppbv

RT: 3.90 min Scan# 300

Delta R.T. 0.00 min

Lab File: VL033863.D

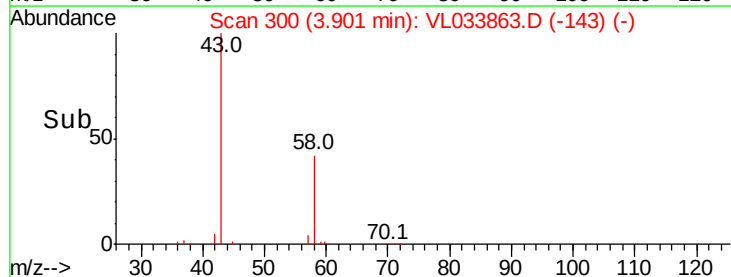
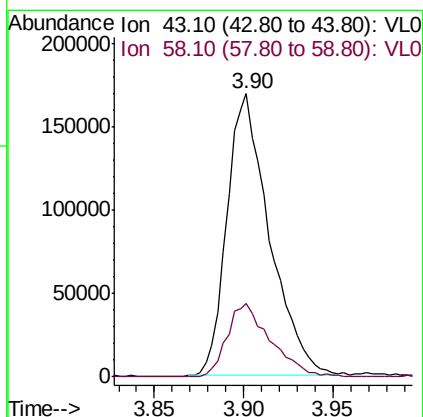
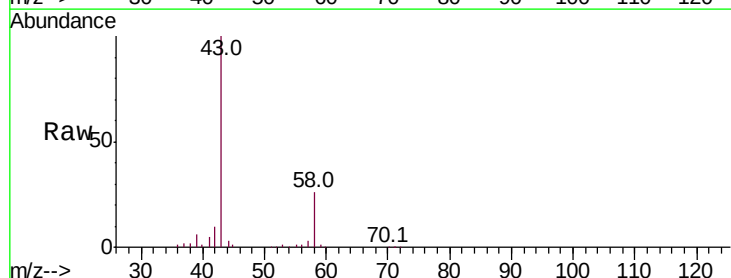
Acq: 30 May 2019 9:36

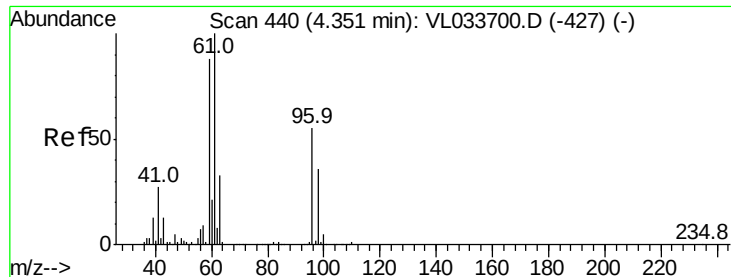
Tgt Ion: 43 Resp: 281352

Ion Ratio Lower Upper

43 100

58 26.6 21.3 31.9





#17

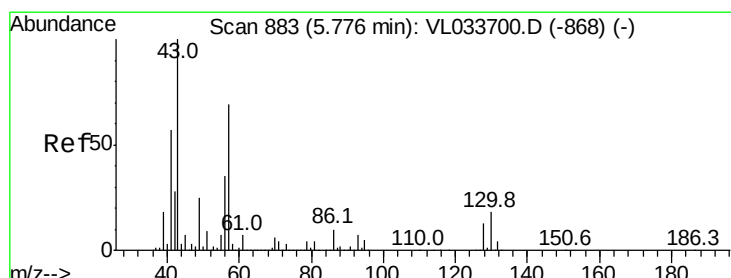
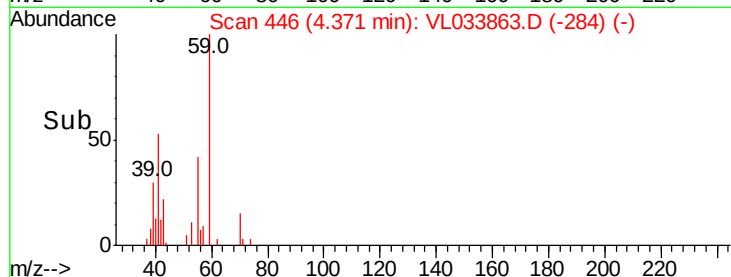
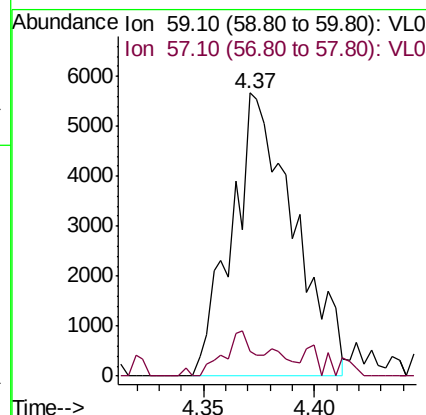
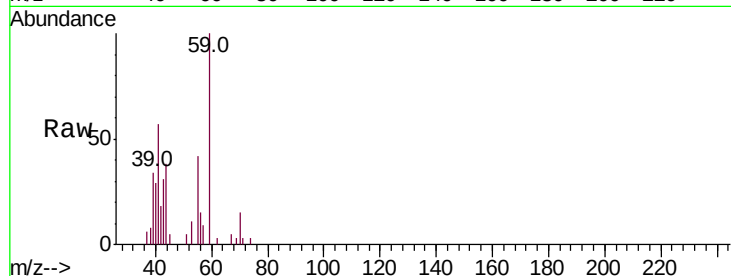
tert-Butyl alcohol
 Concen: 0.135 ppbv
 RT: 4.37 min Scan# 446
 Delta R.T. 0.02 min
 Lab File: VL033863.D
 Acq: 30 May 2019 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1DL

Tot Ion: 59 Resp: 11052
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.4 12.6#

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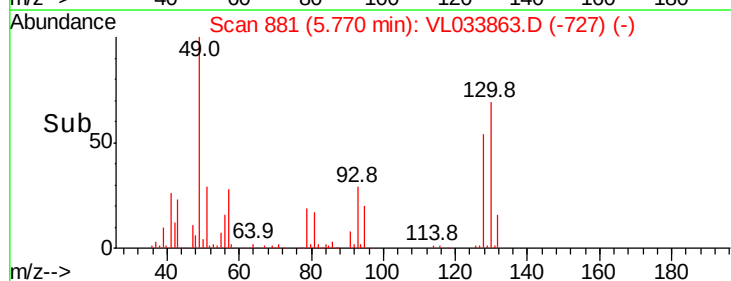
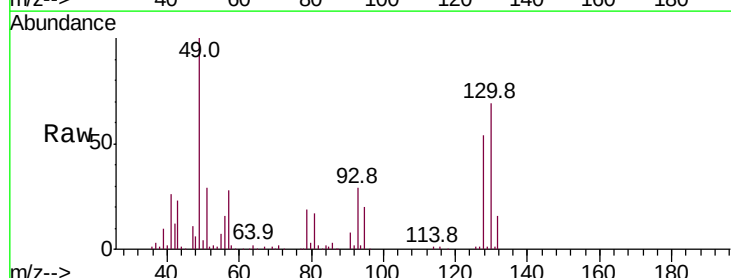
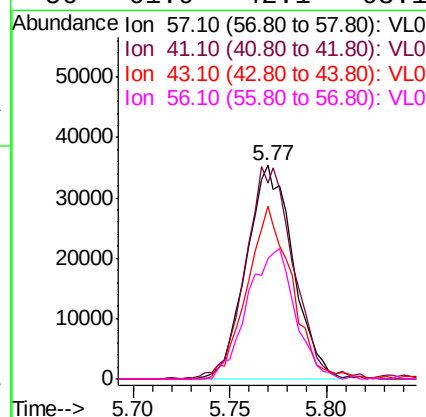
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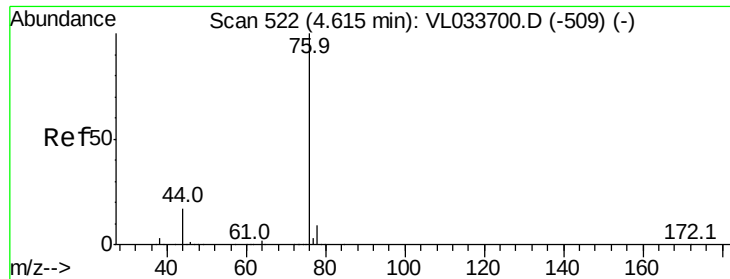


#26

Hexane
 Concen: 0.779 ppbv
 RT: 5.77 min Scan# 881
 Delta R.T. -0.01 min
 Lab File: VL033863.D
 Acq: 30 May 2019 9:36

Tgt Ion: 57 Resp: 59430
 Ion Ratio Lower Upper
 57 100
 41 102.6 69.8 104.6
 43 77.2 181.8 272.6#
 56 61.9 42.1 63.1





#27

Carbon Disulfide

Concen: 0.202 ppbv m

RT: 4.61 min Scan# 521

Delta R.T. -0.00 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

Instrument :

MSVOA_L

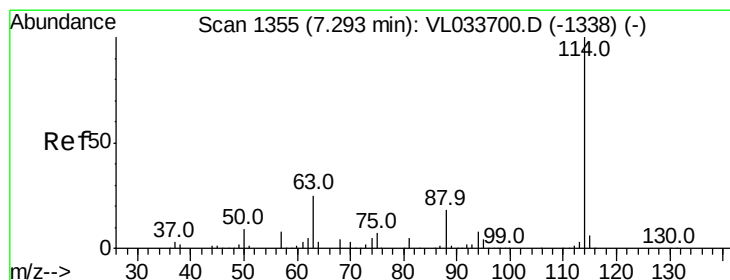
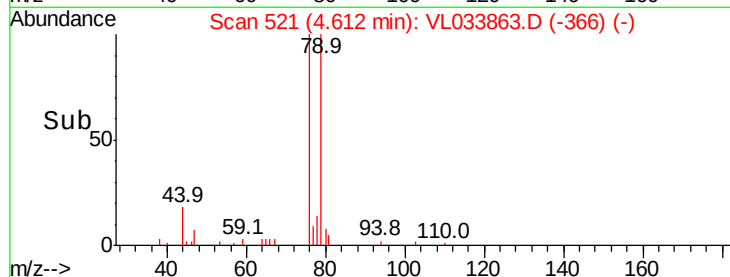
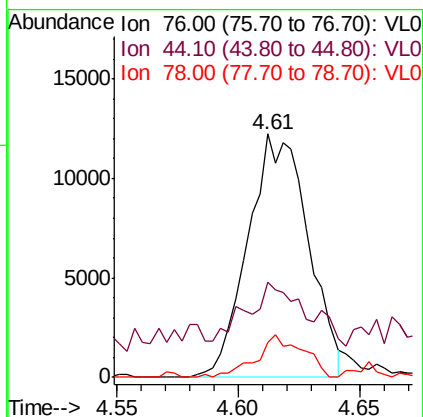
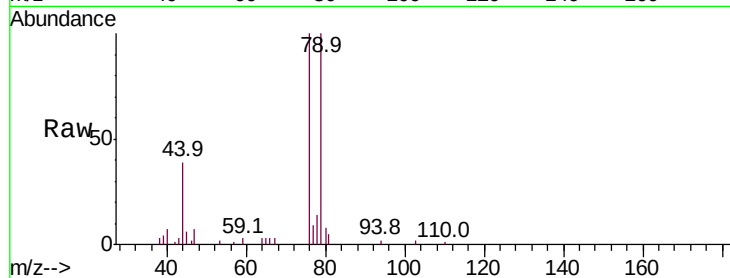
ClientSampleId :

SSG-1DL

Tot Ion	Ratio	Lower	Upper
76	100		
44	43.8	13.8	20.8#
78	0.0	7.4	11.0#

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

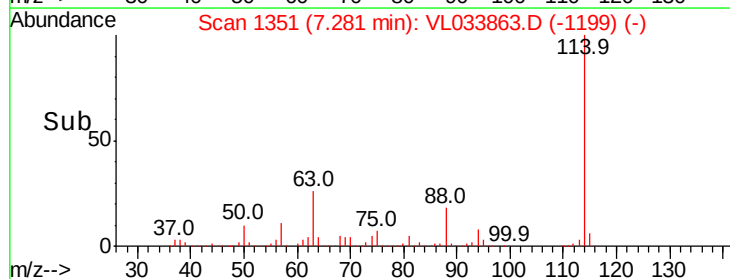
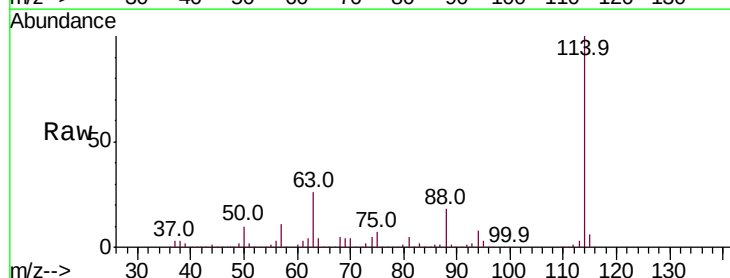
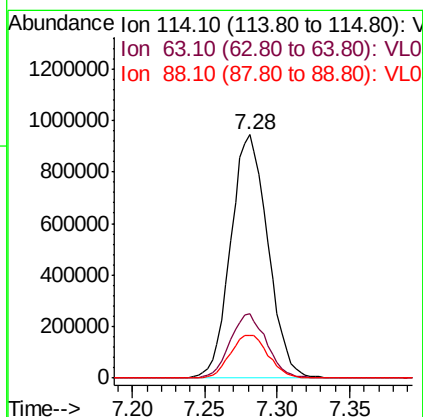
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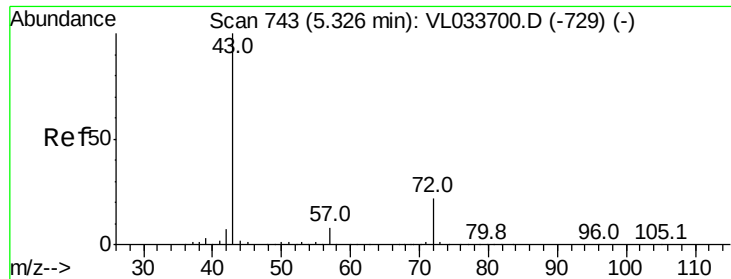
Delta R.T. -0.01 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.0	20.9	31.3
88	17.9	14.3	21.5





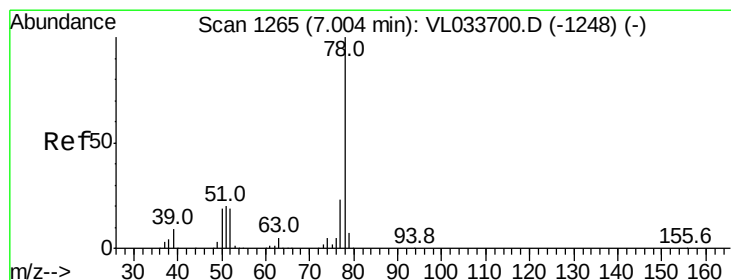
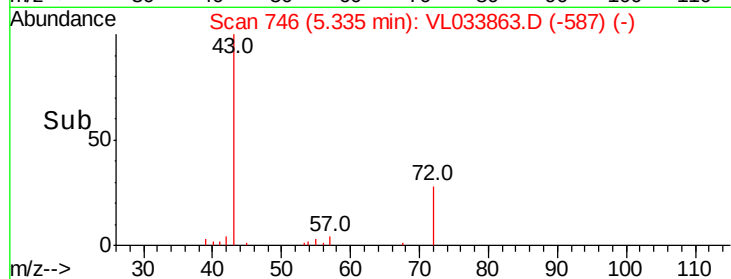
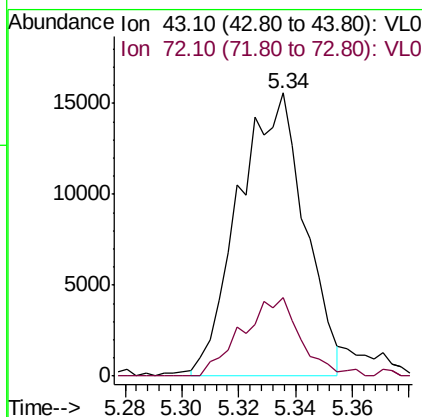
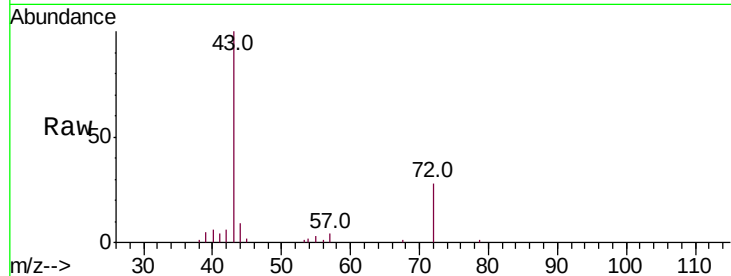
#34
2-Butanone
Concen: 0.242 ppbv m
RT: 5.34 min Scan# 746
Delta R.T. 0.01 min
Lab File: VL033863.D
Acq: 30 May 2019 9:36

Instrument :
MSVOA_L
ClientSampled :
SSG-1DL

Tot Ion	43	72	Ratio	100	0.0	Resp	25185	Lower	Upper
43	100								
72		0.0			17.8		26.6#		

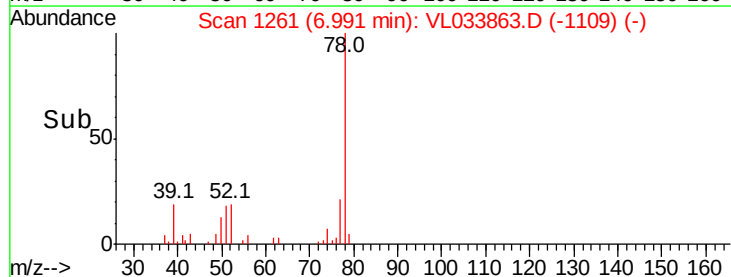
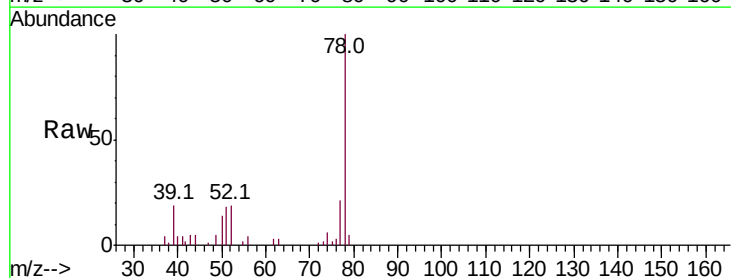
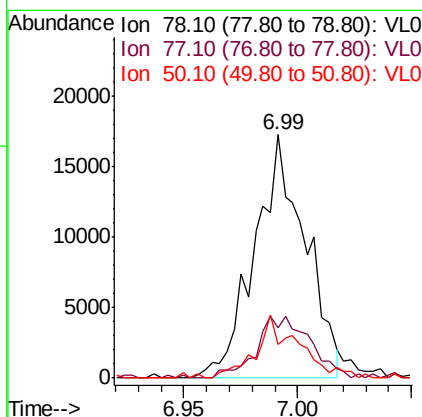
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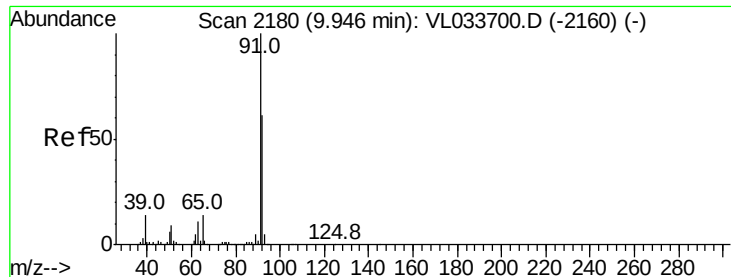
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#36
Benzene
Concen: 0.175 ppbv m
RT: 6.99 min Scan# 1261
Delta R.T. -0.01 min
Lab File: VL033863.D
Acq: 30 May 2019 9:36

Tgt Ion	78	77	50	Ratio	100	20.7	13.9	Resp	26719	Lower	Upper
78	100										
77		20.7			18.4				27.6		
50		13.9			15.5				23.3#		





#53

Toluene

Concen: 0.333 ppbv m

RT: 9.94 min Scan# 2177

Delta R.T. -0.01 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

Instrument :

MSVOA_L

ClientSampleId :

SSG-1DL

Tot Ion: 91 Resp: 54877

Ion Ratio Lower Upper

91 100

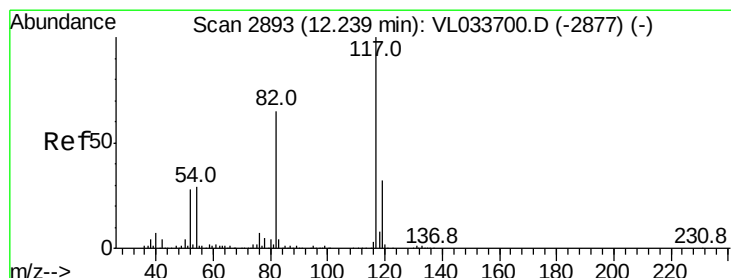
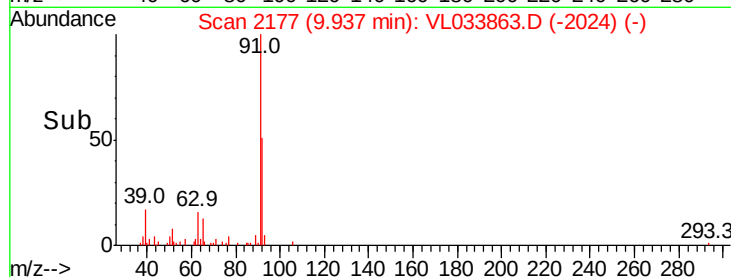
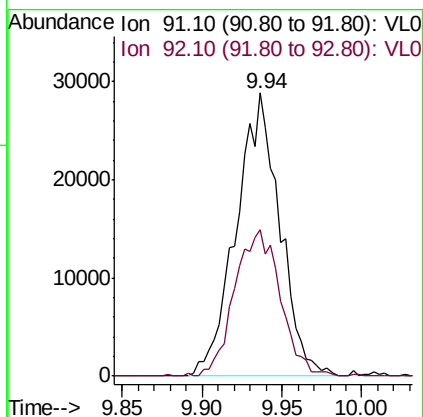
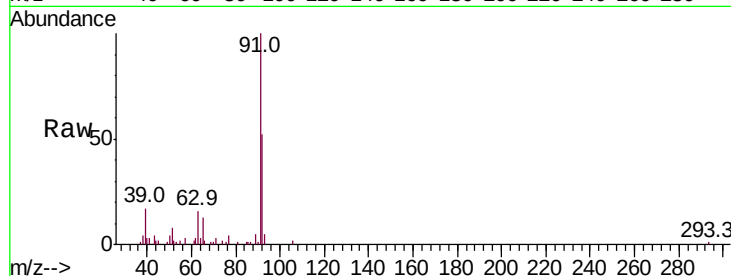
92 0.0 47.6 71.4#

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#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.23 min Scan# 2889

Delta R.T. -0.01 min

Lab File: VL033863.D

Acq: 30 May 2019 9:36

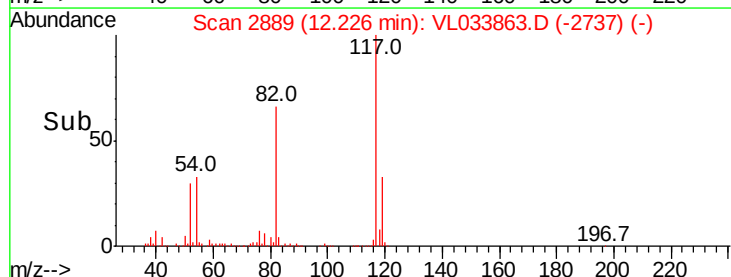
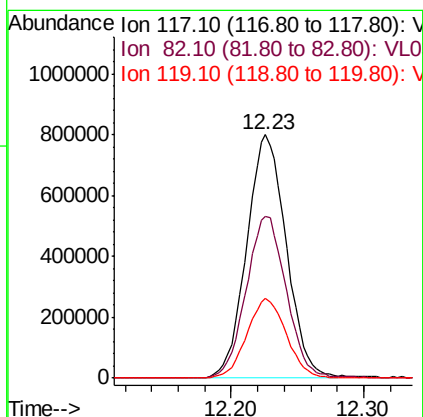
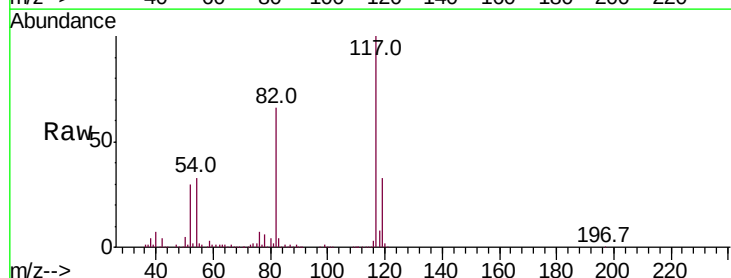
Tgt Ion: 117 Resp: 1658016

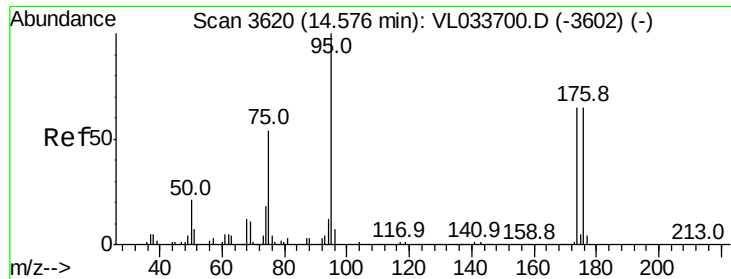
Ion Ratio Lower Upper

117 100

82 68.2 49.4 74.0

119 32.9 24.9 37.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.054 ppbv
 RT: 14.56 min Scan# 3616
 Delta R.T. -0.01 min
 Lab File: VL033863.D
 Acq: 30 May 2019 9:36

Instrument :
 MSVOA_L
 ClientSampleId :
 SSG-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	66.6	53.9	80.9
175	4.7	3.8	5.8

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