

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071719\
 Data File : VL034043.D
 Acq On : 17 Jul 2019 22:32
 Operator : SY/AP
 Sample : K3804-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-2DL

Manual Integrations
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 7/19/2019 1:37:25 AM

Quant Time: Jul 18 12:54:16 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Jul 0
 QLast Update : Tue Jul 02 19:31:31 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.72	49	1061535	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.25	114	3939529	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.19	117	2962259	10.00	ppbv	-0.02

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.52	95	2346875	9.29	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	92.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	2.99	51	48079m	0.367	ppbv	
9) Propene	3.02	41	25312	0.525	ppbv #	79
10) Heptane	8.20	43	39537	0.327	ppbv	91
11) Trichlorofluoromethane	3.98	101	53650	0.218	ppbv	96
13) Ethanol	3.63	45	2496074	166.620	ppbv	92
15) Acetone	3.88	43	1197955	6.712	ppbv	99
26) Hexane	5.74	57	78763	0.705	ppbv #	49
29) Chloroform	5.81	83	36304	0.173	ppbv	90
52) Tetrachloroethene	11.33	164	16071m	0.121	ppbv	
53) Toluene	9.90	91	87002m	0.247	ppbv	
59) m/p-Xylene	13.08	91	41740m	0.129	ppbv	

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

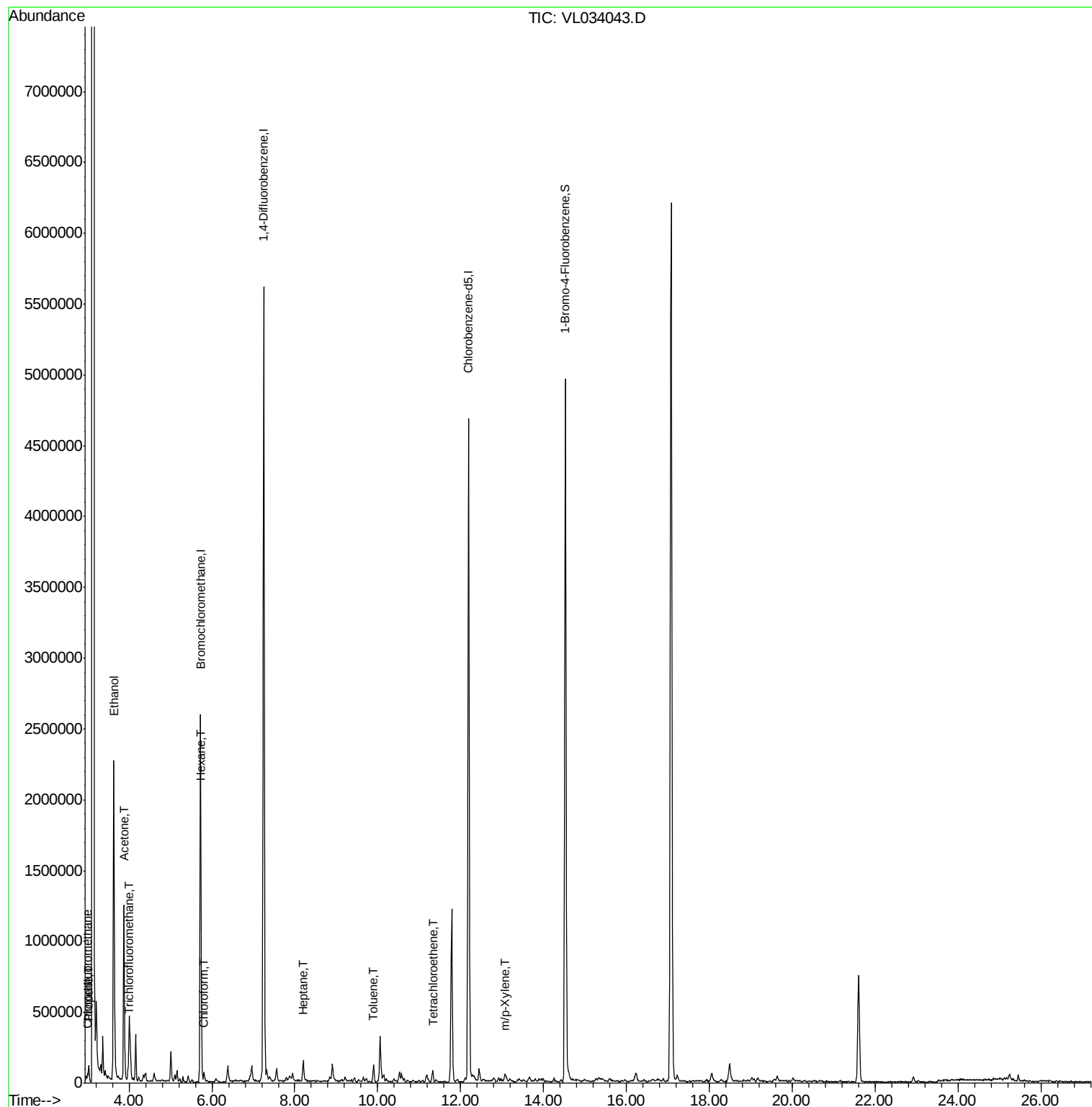
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071719\
Data File : VL034043.D
Acq On : 17 Jul 2019 22:32
Operator : SY/AP
Sample : K3804-02DL 10X
Misc : 400ml/MSVOA L
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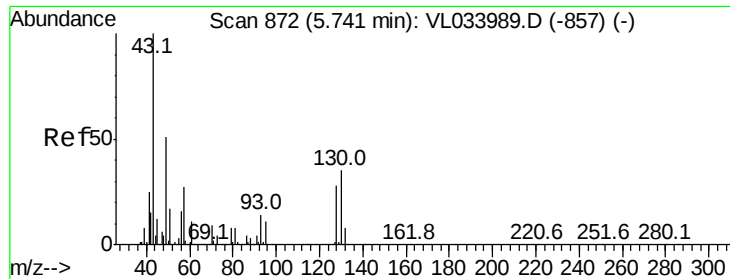
Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

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Quant Time: Jul 18 12:54:16 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL070219AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LTue Jul
QLast Update : Tue Jul 02 19:31:31 2019
Response via : Initial Calibration





#1

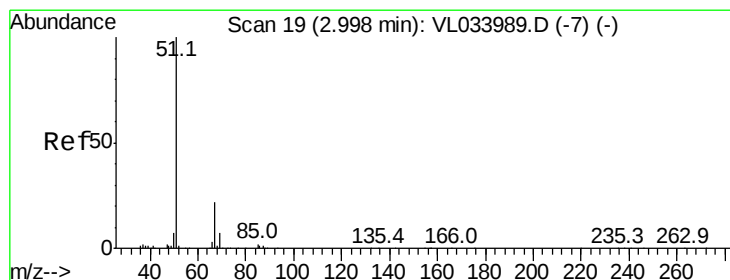
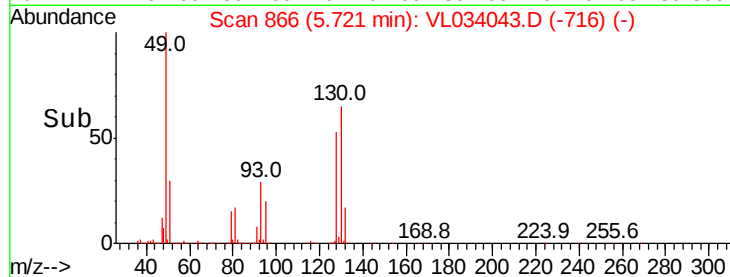
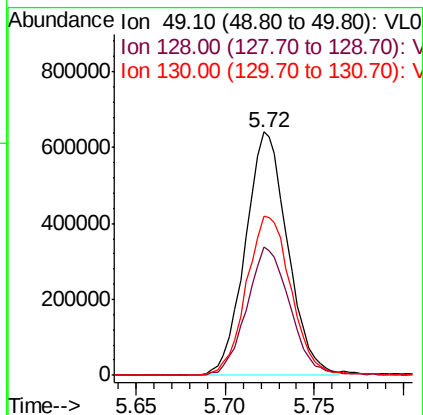
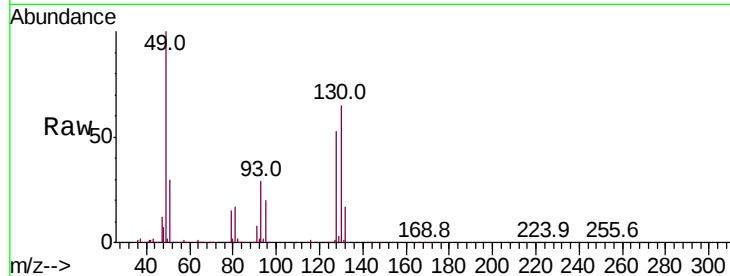
Bromochloromethane
Concen: 10.000 ppbv
RT: 5.72 min Scan# 866
Delta R.T. -0.02 min
Lab File: VL034043.D
Acq: 17 Jul 2019 22:32

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion: 49 Resp: 1061535
Ion Ratio Lower Upper
49 100
128 53.9 27.9 83.6
130 69.6 35.8 107.4

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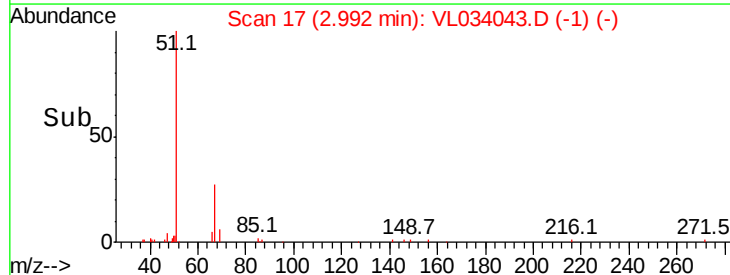
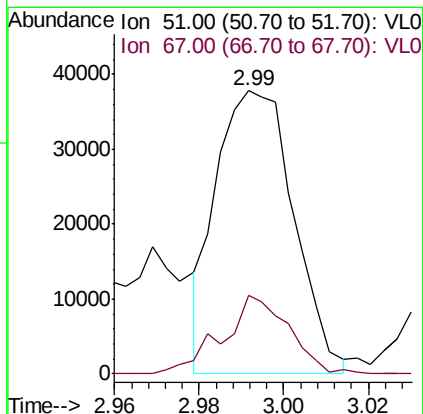
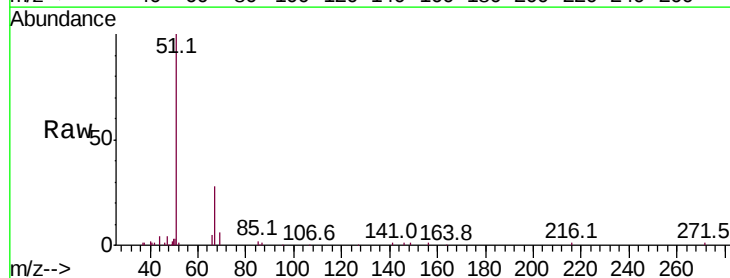
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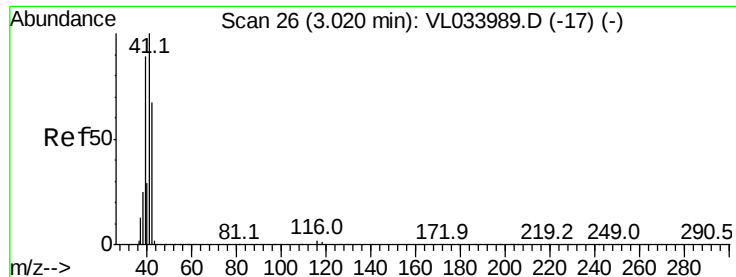


#3

Chlorodifluoromethane
Concen: 0.367 ppbv m
RT: 2.99 min Scan# 17
Delta R.T. -0.01 min
Lab File: VL034043.D
Acq: 17 Jul 2019 22:32

Tgt Ion: 51 Resp: 48079
Ion Ratio Lower Upper
51 100
67 23.7 17.3 25.9





#9

Propene

Concen: 0.525 ppbv

RT: 3.02 min Scan# 26

Delta R.T. 0.00 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 41 Resp: 25312

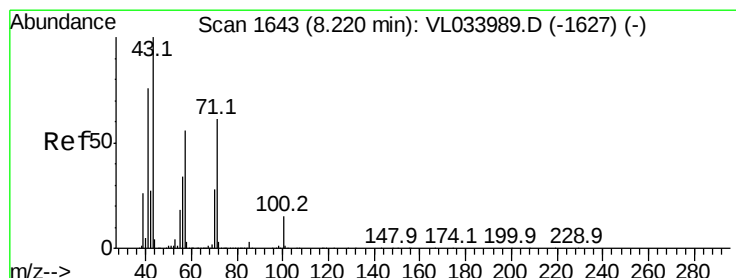
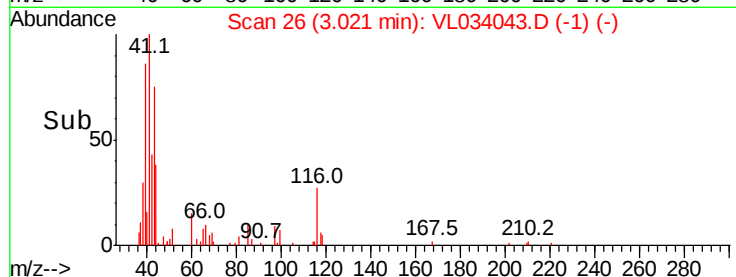
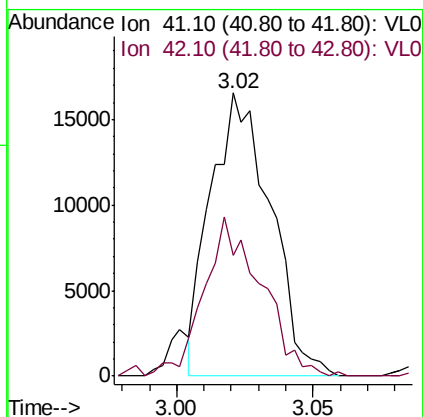
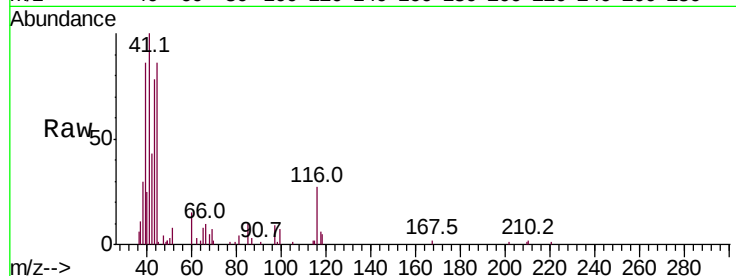
Ion Ratio Lower Upper

41 100

42 54.1 57.1 85.7#

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#10

Heptane

Concen: 0.327 ppbv

RT: 8.20 min Scan# 1638

Delta R.T. -0.02 min

Lab File: VL034043.D

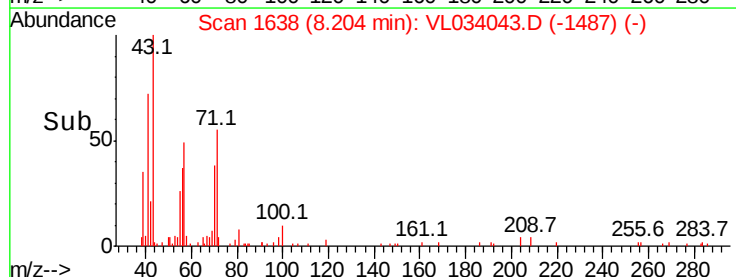
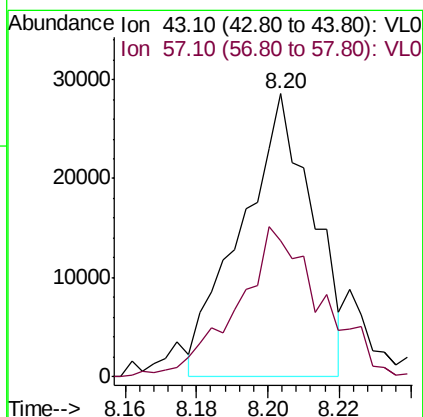
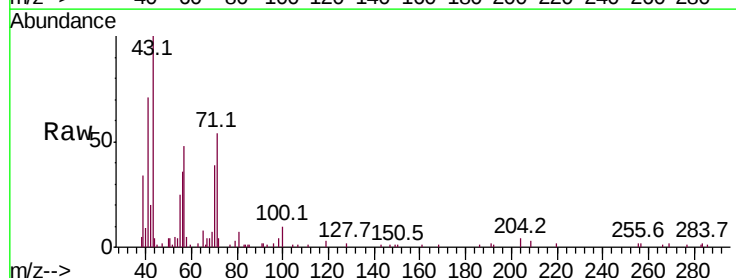
Acq: 17 Jul 2019 22:32

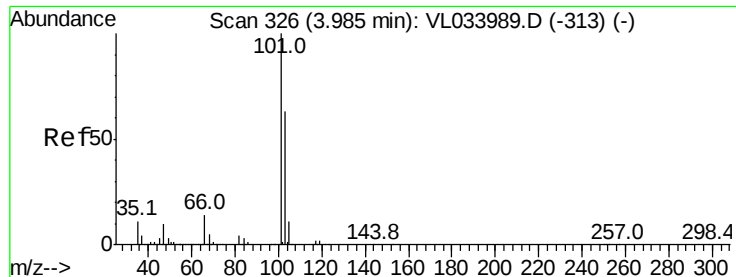
Tgt Ion: 43 Resp: 39537

Ion Ratio Lower Upper

43 100

57 62.2 44.6 66.8





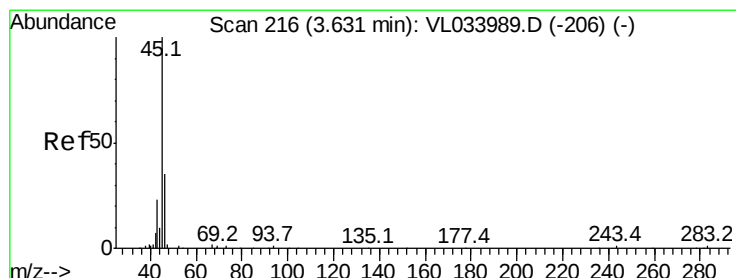
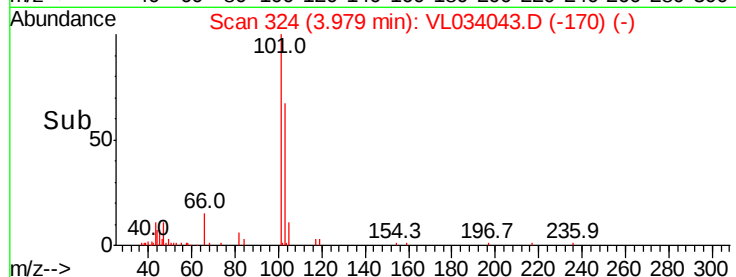
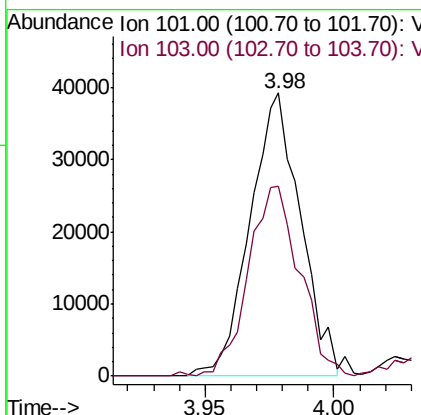
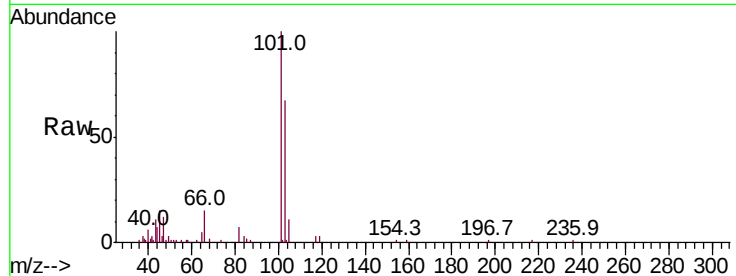
#11
Trichlorofluoromethane
Concen: 0.218 ppbv
RT: 3.98 min Scan# 324
Delta R.T. -0.01 min
Lab File: VL034043.D
Acq: 17 Jul 2019 22:32

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.7	50.8	76.2

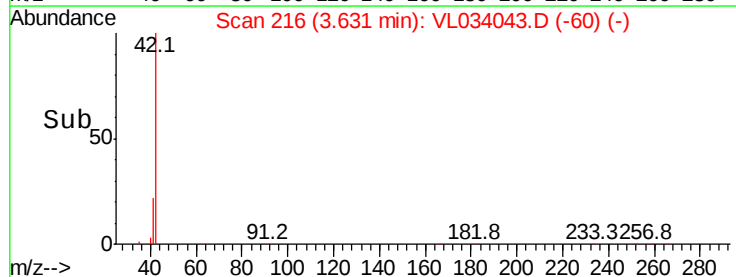
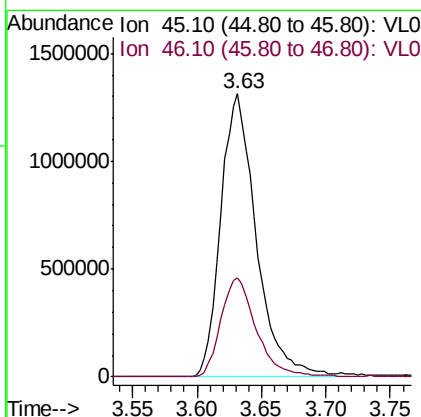
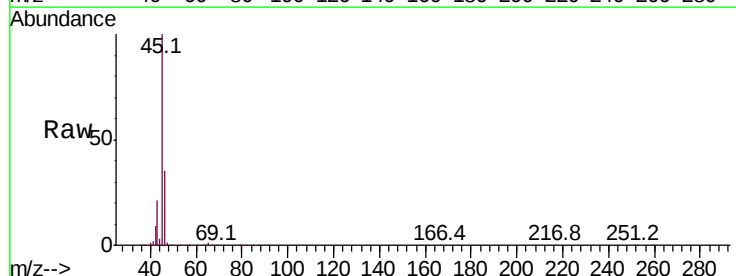
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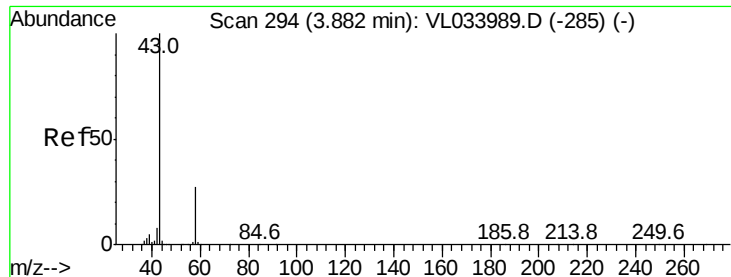
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#13
Ethanol
Concen: 166.620 ppbv
RT: 3.63 min Scan# 216
Delta R.T. 0.00 min
Lab File: VL034043.D
Acq: 17 Jul 2019 22:32

Tgt Ion	Ratio	Lower	Upper
45	100		
46	35.6	16.2	64.6





#15

Acetone

Concen: 6.712 ppbv

RT: 3.88 min Scan# 292

Delta R.T. -0.01 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 43 Resp: 1197955

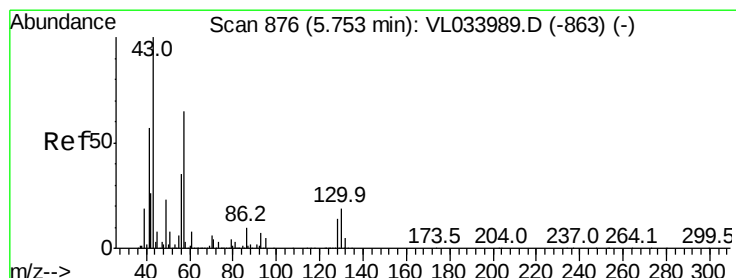
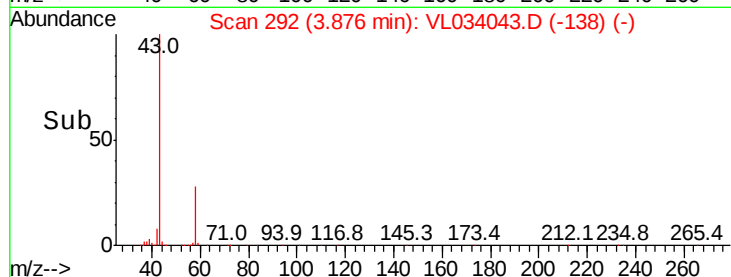
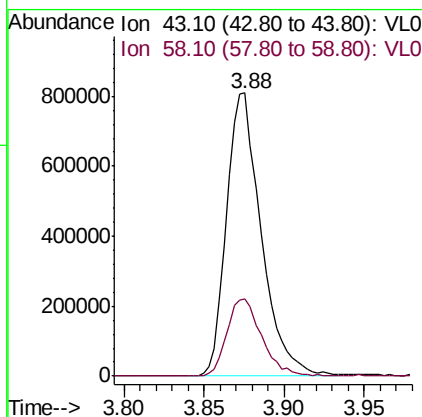
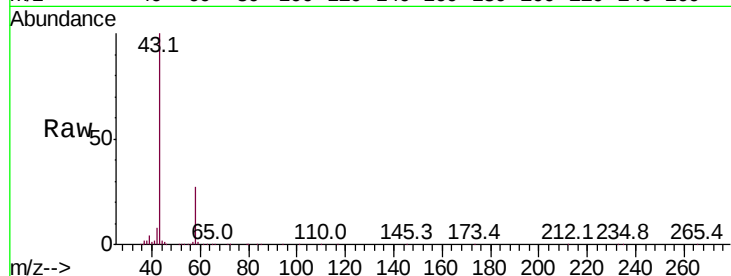
Ion Ratio Lower Upper

43 100

58 27.4 21.4 32.0

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#26

Hexane

Concen: 0.705 ppbv

RT: 5.74 min Scan# 873

Delta R.T. -0.01 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

Tgt Ion: 57 Resp: 78763

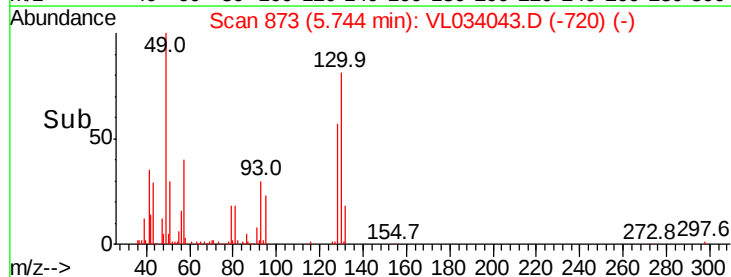
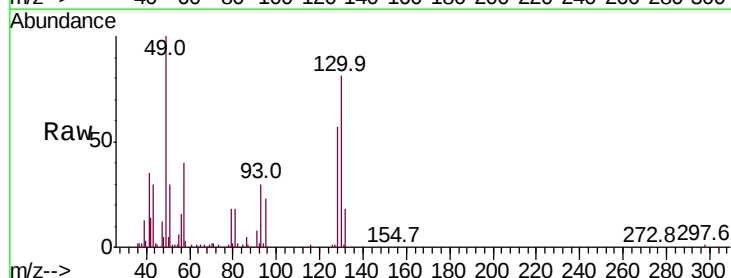
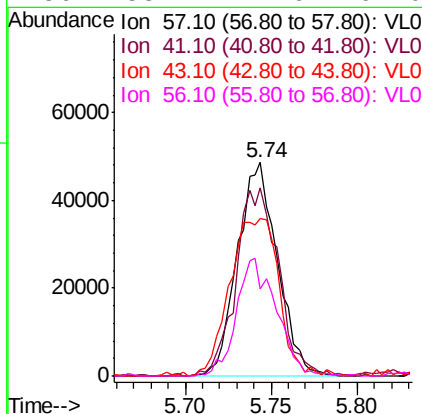
Ion Ratio Lower Upper

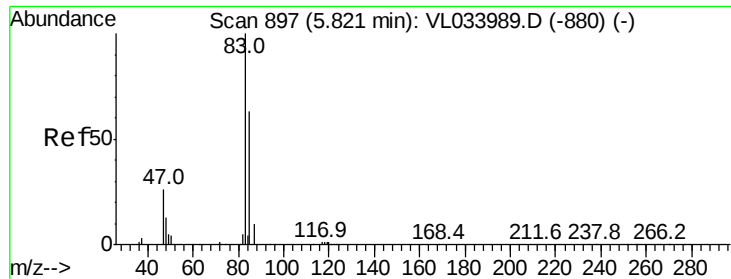
57 100

41 93.5 70.6 105.8

43 91.2 177.6 266.4#

56 55.2 42.6 64.0





#29

Chloroform

Concen: 0.173 ppbv

RT: 5.81 min Scan# 893

Delta R.T. -0.01 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion: 83 Resp: 36304

Ion Ratio Lower Upper

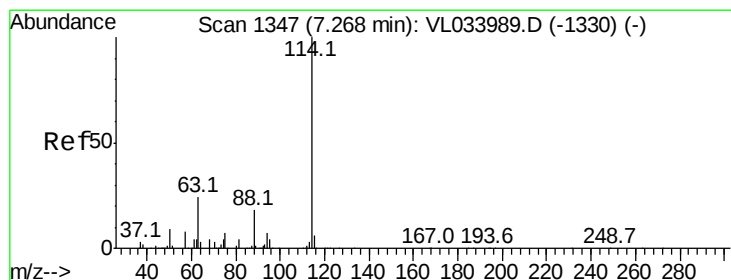
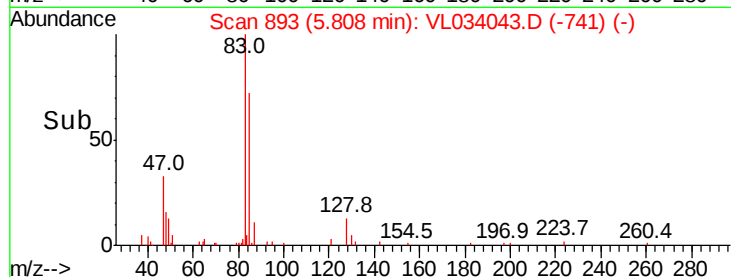
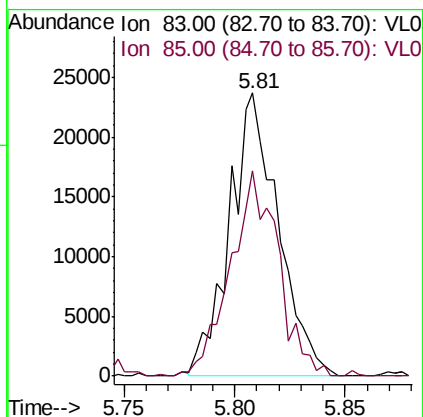
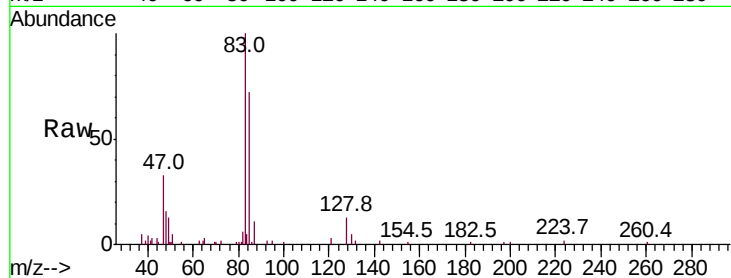
83 100

85 70.8 50.6 75.8

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.25 min Scan# 1341

Delta R.T. -0.02 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

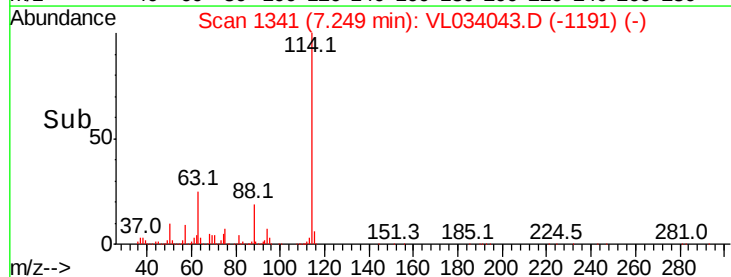
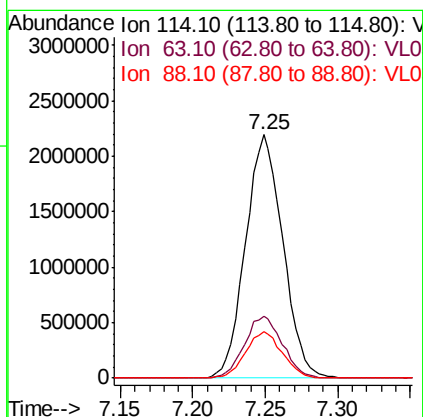
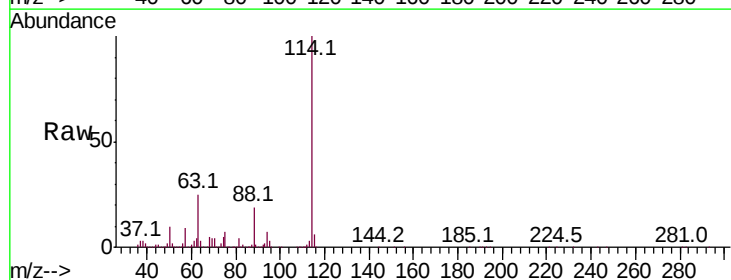
Tgt Ion: 114 Resp: 3939529

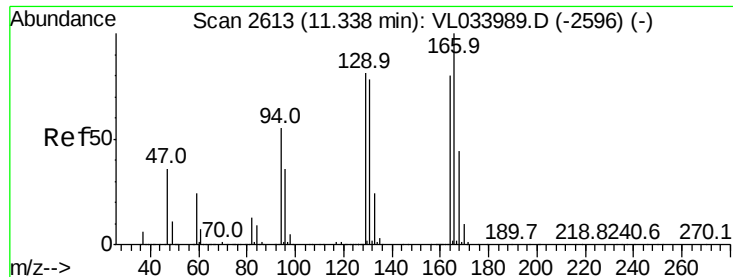
Ion Ratio Lower Upper

114 100

63 25.9 20.2 30.2

88 18.9 14.1 21.1





#52

Tetrachloroethene

Concen: 0.121 ppbv m

RT: 11.33 min Scan# 2611

Delta R.T. -0.01 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

Instrument :

MSVOA_L

ClientSampled :

SG-2DL

Tot Ion:164 Resp: 16071

Ion Ratio Lower Upper

164 100

166 83.9 100.2 150.2#

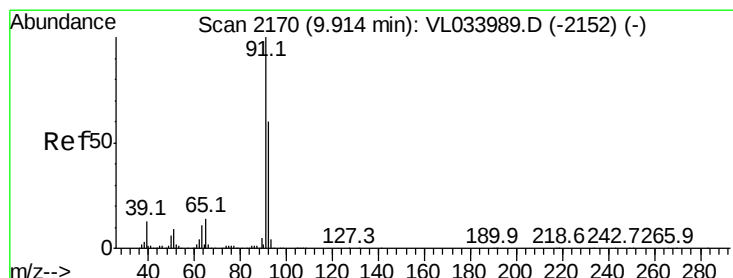
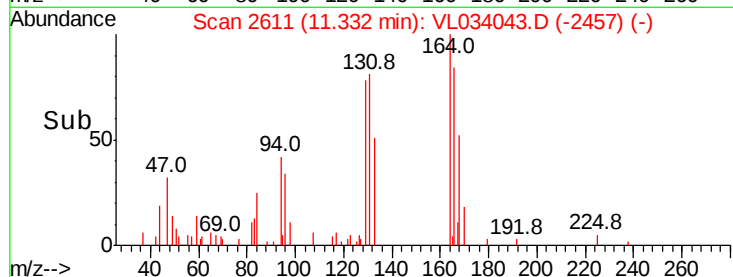
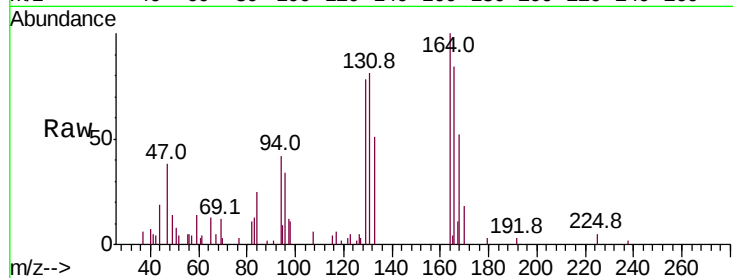
129 78.1 81.0 121.6#

131 80.8 78.3 117.5

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#53

Toluene

Concen: 0.247 ppbv m

RT: 9.90 min Scan# 2165

Delta R.T. -0.02 min

Lab File: VL034043.D

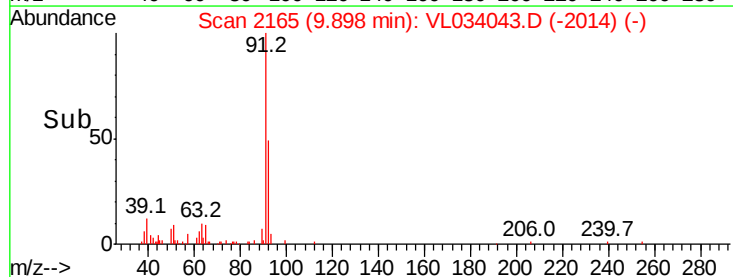
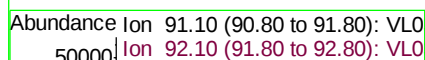
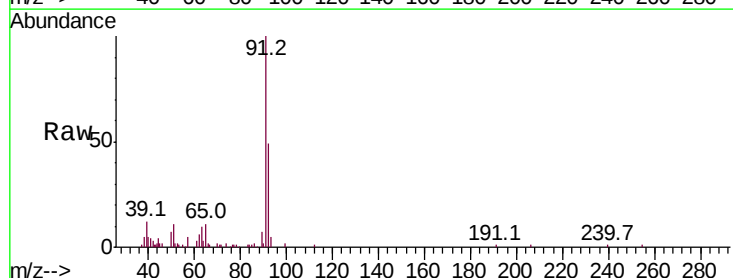
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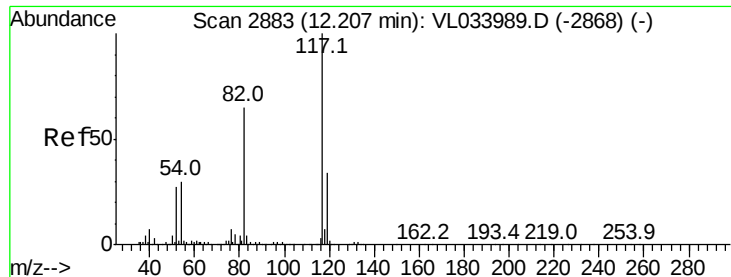
Tgt Ion: 91 Resp: 87002

Ion Ratio Lower Upper

91 100

92 59.3 47.7 71.5





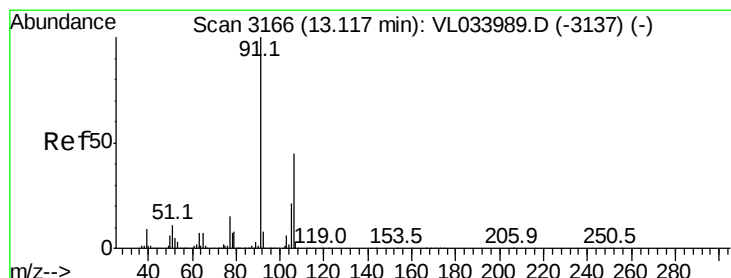
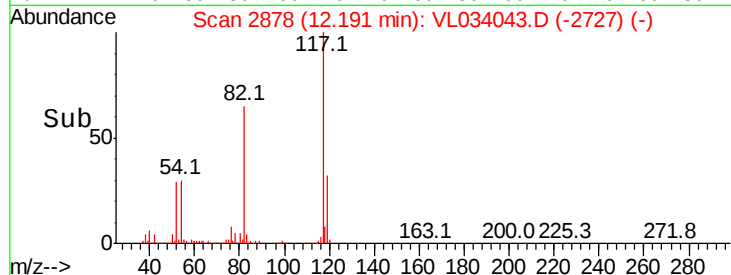
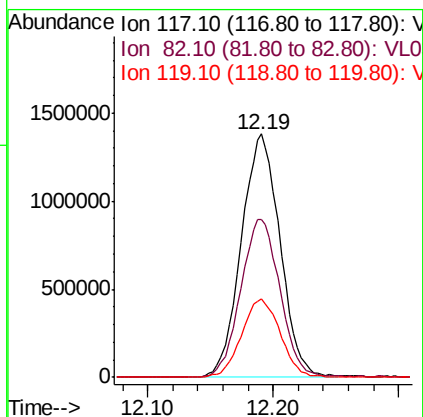
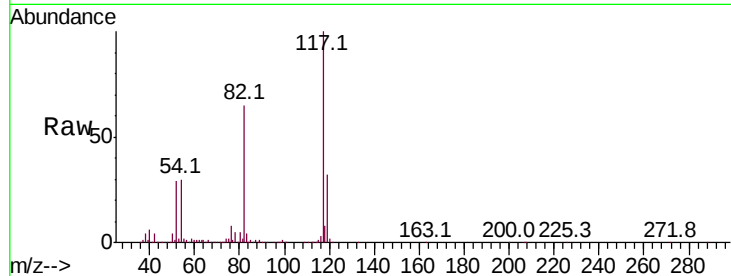
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.19 min Scan# 2878
Delta R.T. -0.02 min
Lab File: VL034043.D
Acq: 17 Jul 2019 22:32

Instrument :
MSVOA_L
ClientSampleId :
SG-2DL

Tot Ion	Ratio	Lower	Upper
117	100		
82	66.1	50.8	76.2
119	32.3	24.0	36.0

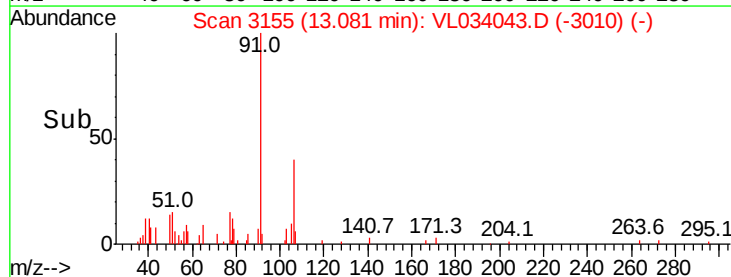
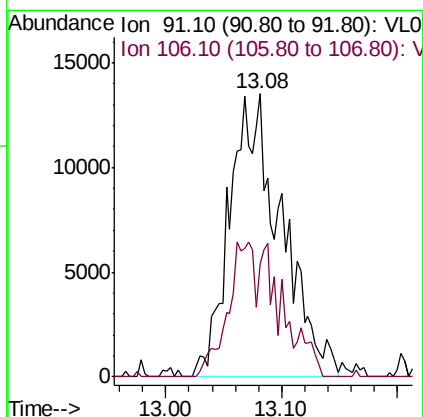
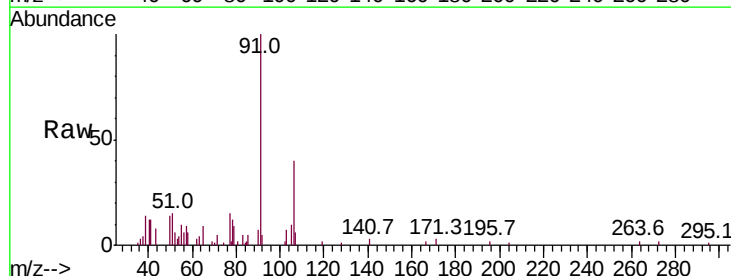
Manual Integrations
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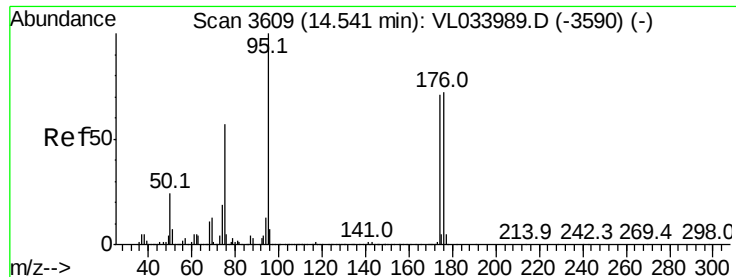
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#59
m/p-Xylene
Concen: 0.129 ppbv m
RT: 13.08 min Scan# 3155
Delta R.T. -0.04 min
Lab File: VL034043.D
Acq: 17 Jul 2019 22:32

Tgt Ion	Ratio	Lower	Upper
91	100		
106	0.0	35.7	53.5#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.289 ppbv

RT: 14.52 min Scan# 3604

Delta R.T. -0.02 min

Lab File: VL034043.D

Acq: 17 Jul 2019 22:32

Instrument :

MSVOA_L

ClientSampleId :

SG-2DL

Tot Ion: 95 Resp: 2346875

Ion Ratio Lower Upper

95 100

174 71.5 60.5 90.7

175 5.3 4.0 6.0

Manual Integrations

APPROVED

MMDadoda

7/19/2019 1:37:25 AM

