

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
 Data File : VL032323.D
 Acq On : 27 Jul 2018 17:45
 Operator : SY/AP
 Sample : J4131-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1DL

Manual Integrations
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 7/30/2018 11:43:15 AM

Quant Time: Jul 28 00:43:02 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 27 2018
 QLast Update : Fri Jul 27 07:05:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.83	49	1852023	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3969664	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4596734	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3717411	10.42	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.08	41	42115	0.51	ppbv	93
11) Trichlorofluoromethane	4.06	101	431063	2.02	ppbv	100
13) Ethanol	3.72	45	27064m	1.13	ppbv	
15) Acetone	3.97	43	168418	0.96	ppbv #	63
20) Methylene Chloride	4.47	84	28909	0.41	ppbv	87
26) Hexane	5.85	57	19275m	0.11	ppbv	
29) Chloroform	5.91	83	26069	0.10	ppbv	88
34) 2-Butanone	5.40	43	564401	2.20	ppbv	100
51) 2-Hexanone	10.38	43	71686	0.21	ppbv #	98
52) Tetrachloroethene	11.45	164	5779	0.05	ppbv #	64
53) Toluene	10.03	91	131208	0.31	ppbv	97
58) Ethyl Benzene	12.95	91	148153	0.26	ppbv	92
59) m/p-Xylene	13.20	91	442122m	0.90	ppbv	
60) o-Xylene	13.94	91	217602	0.45	ppbv	98
61) Styrene	13.77	104	241619	0.68	ppbv	98
62) Isopropylbenzene	14.91	105	141883	0.21	ppbv	99
73) 1,3,5-Trimethylbenzene	16.25	105	54802m	0.10	ppbv	
74) 1,2,4-Trimethylbenzene	17.01	105	117232	0.21	ppbv #	71

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

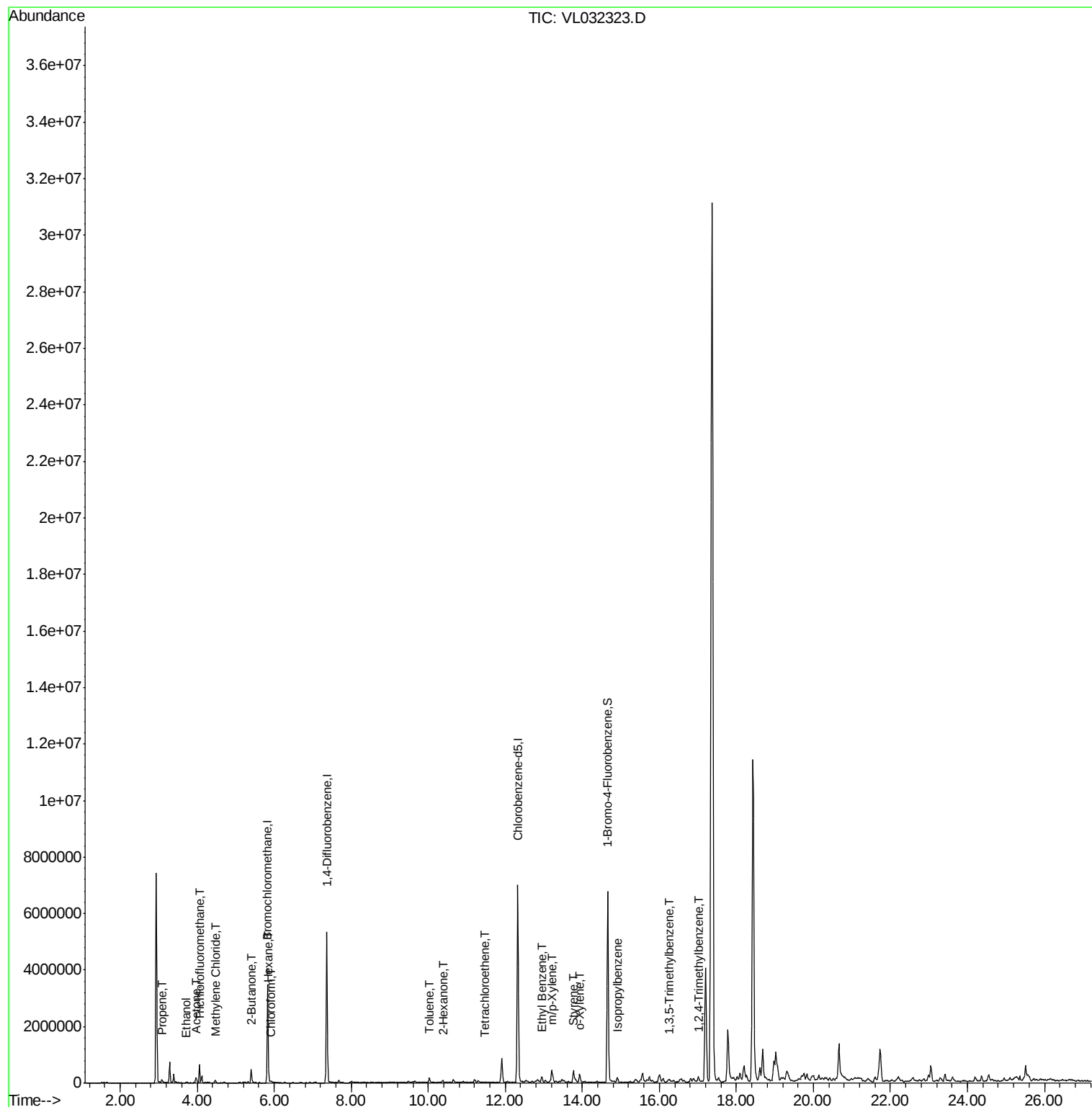
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL072718\
Data File : VL032323.D
Acq On : 27 Jul 2018 17:45
Operator : SY/AP
Sample : J4131-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

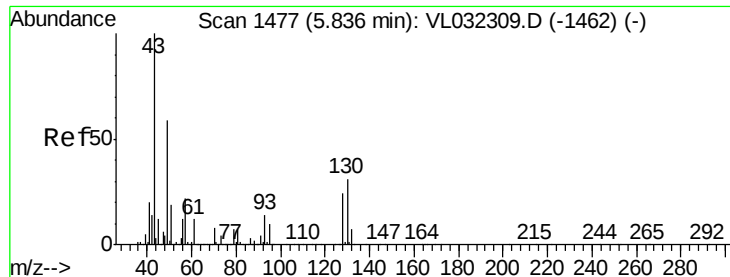
Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

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Quant Time: Jul 28 00:43:02 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL072718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul
QLast Update : Fri Jul 27 07:05:37 2018
Response via : Initial Calibration





#1

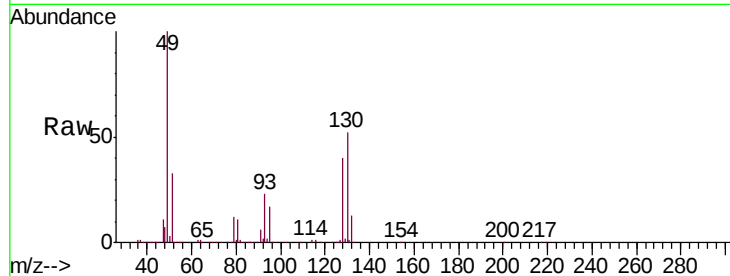
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.83 min Scan# 1475
 Delta R.T. -0.01 min
 Lab File: VL032323.D
 Acq: 27 Jul 2018 17:45

Instrument :
 MSVOA_L
 ClientSampled :
 SG-1DL

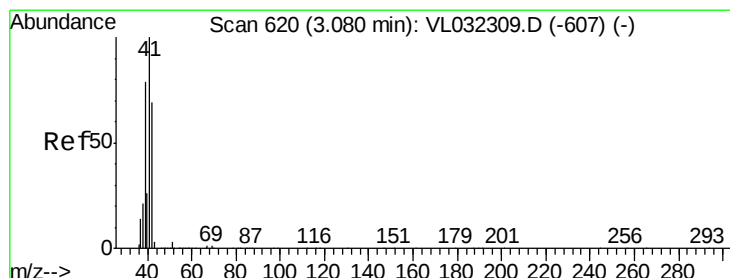
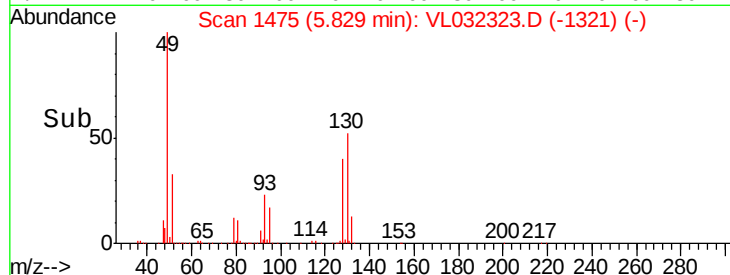
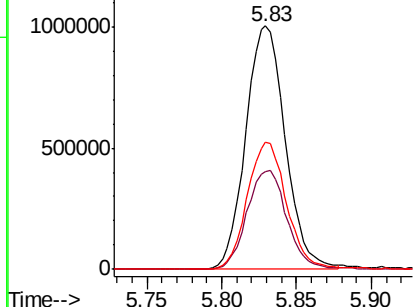
Tot Ion: 49 Resp: 1852023
 Ion Ratio Lower Upper
 49 100
 128 41.4 20.2 60.6
 130 52.3 25.8 77.3

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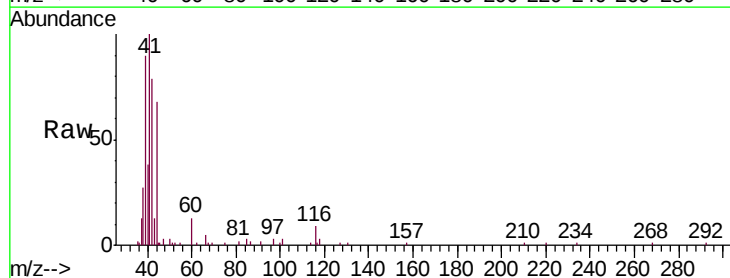
Abundance Ion 49.10 (48.80 to 49.80): VL0
 Ion 128.00 (127.70 to 128.70): V
 Ion 130.00 (129.70 to 130.70): V



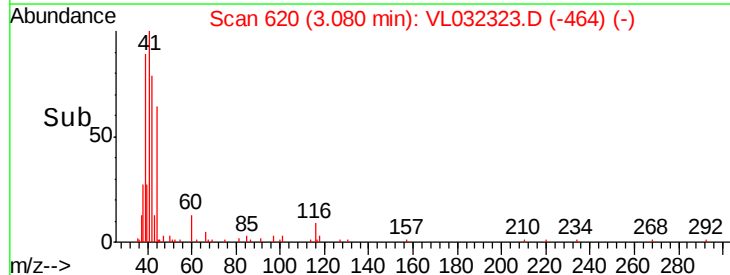
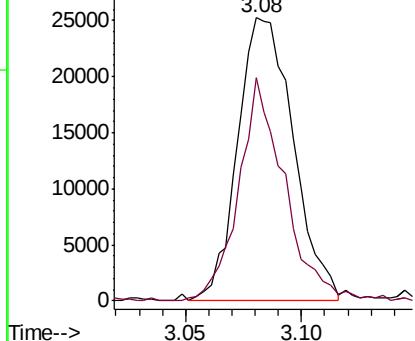
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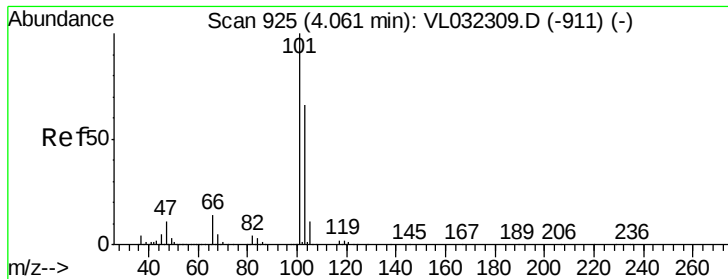
Propene
 Concen: 0.51 ppbv
 RT: 3.08 min Scan# 620
 Delta R.T. 0.00 min
 Lab File: VL032323.D
 Acq: 27 Jul 2018 17:45

Tgt Ion: 41 Resp: 42115
 Ion Ratio Lower Upper
 41 100
 42 65.3 56.8 85.2



Abundance Ion 41.10 (40.80 to 41.80): VL0
 Ion 42.10 (41.80 to 42.80): VL0





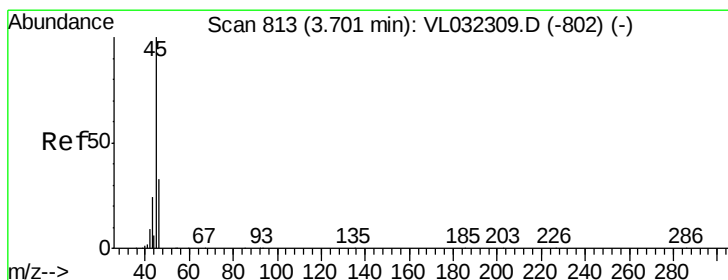
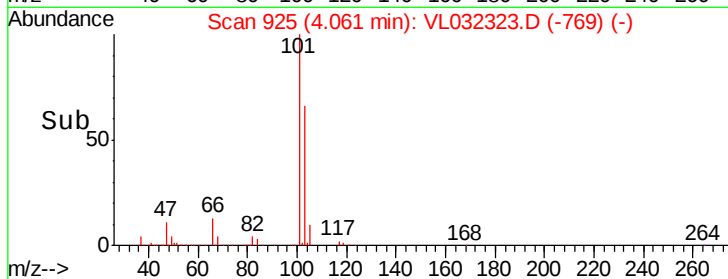
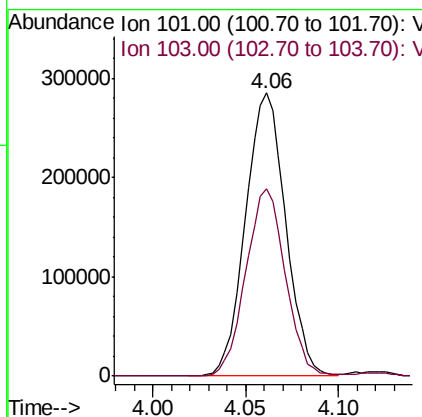
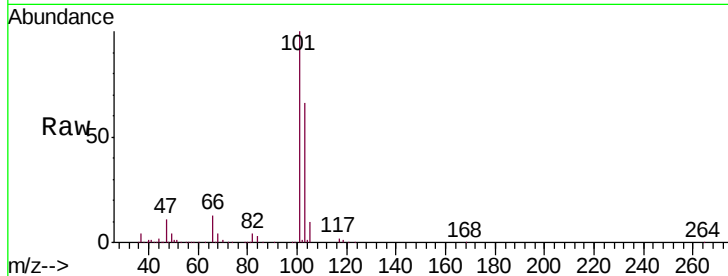
#11
Trichlorofluoromethane
Concen: 2.02 ppbv
RT: 4.06 min Scan# 925
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
101	100		
103	66.0	52.6	78.8

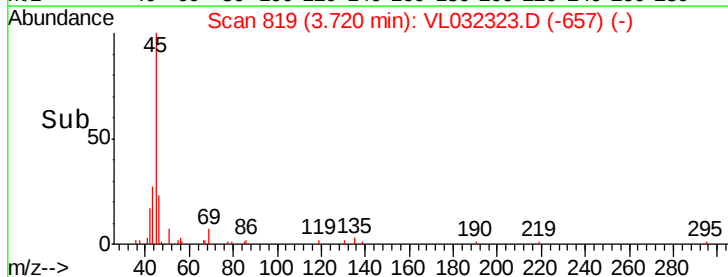
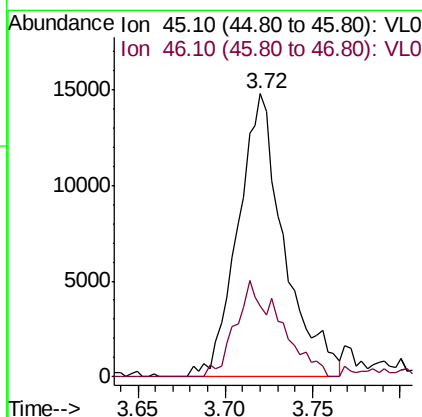
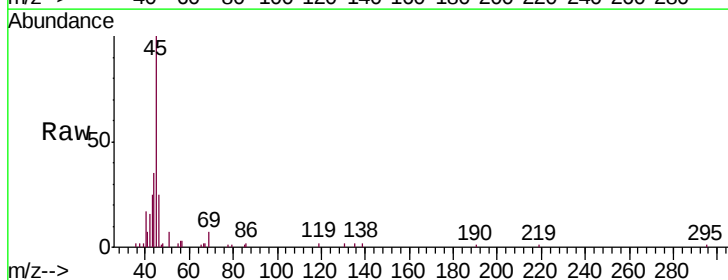
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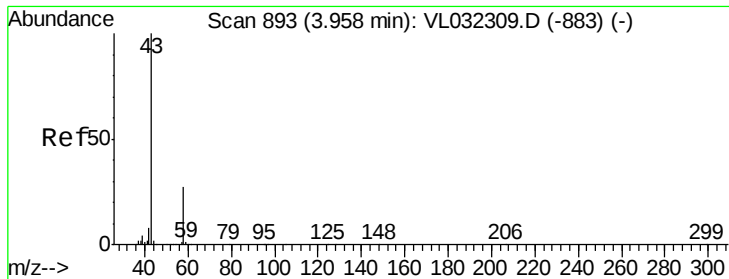
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#13
Ethanol
Concen: 1.13 ppbv m
RT: 3.72 min Scan# 819
Delta R.T. 0.02 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
45	100		
46	0.0	15.2	60.6#





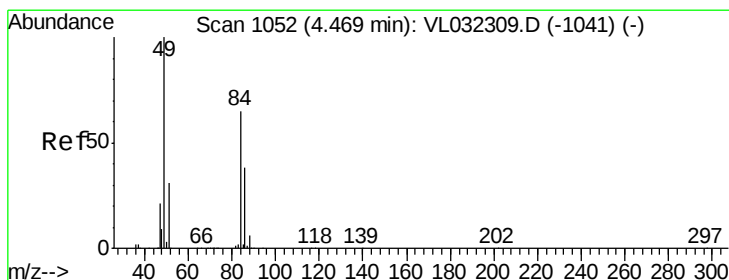
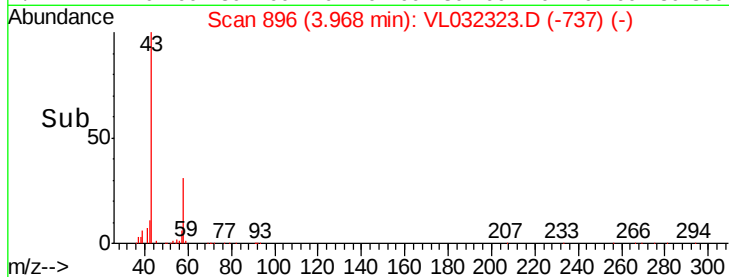
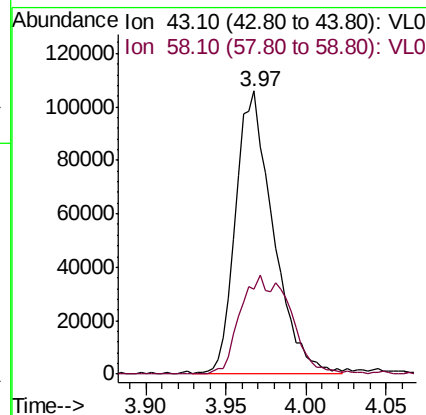
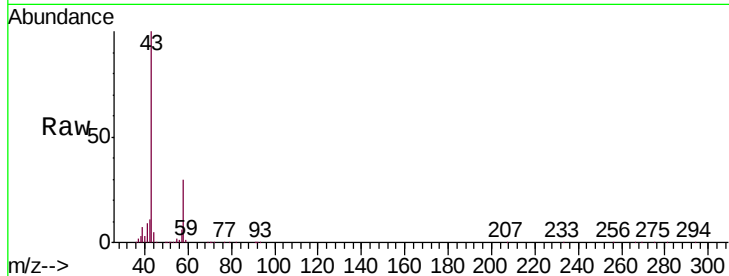
#15
Acetone
Concen: 0.96 ppbv
RT: 3.97 min Scan# 896
Delta R.T. 0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion: 43 Resp: 168418
Ion Ratio Lower Upper
43 100
58 47.6 22.5 33.7#

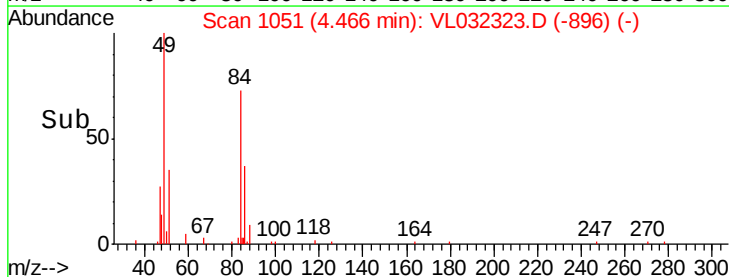
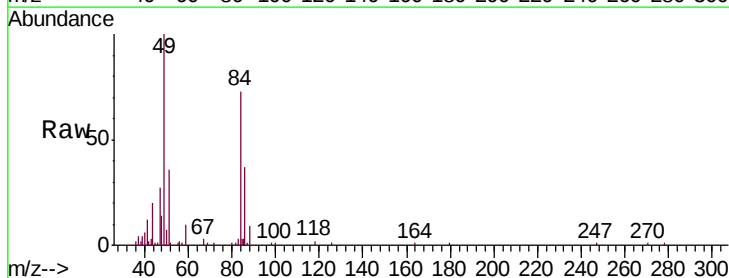
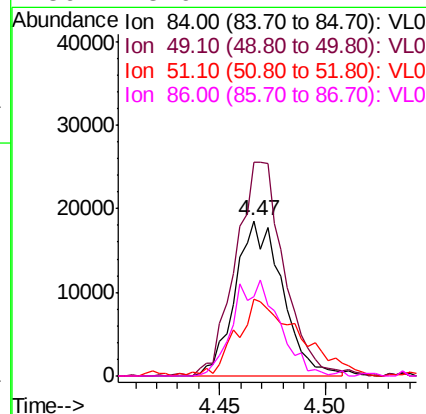
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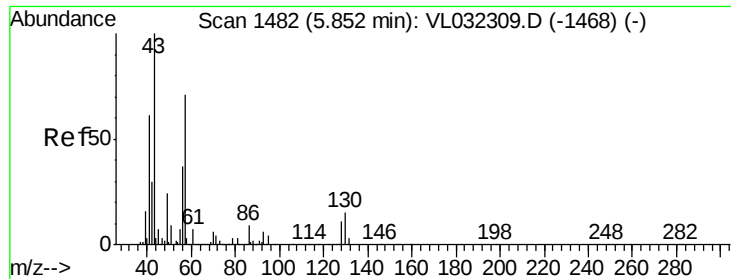
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#20
Methylene Chloride
Concen: 0.41 ppbv
RT: 4.47 min Scan# 1051
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion: 84 Resp: 28909
Ion Ratio Lower Upper
84 100
49 131.8 123.4 185.0
51 47.3 38.2 57.2
86 48.9 47.4 71.2





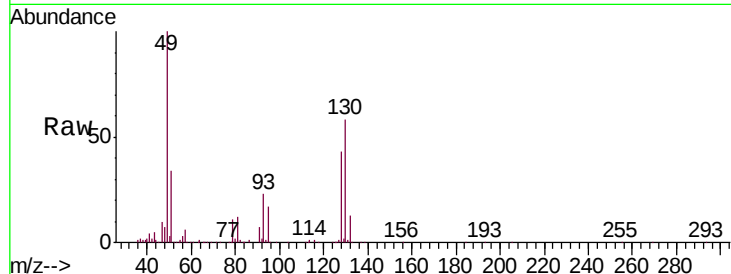
#26
Hexane
Concen: 0.11 ppbv m
RT: 5.85 min Scan# 1482
Delta R.T. 0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	111.2	68.1	102.1#
43	0.0	177.4	266.2#
56	60.1	41.9	62.9

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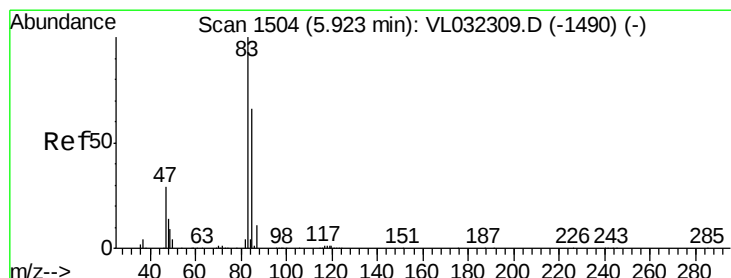
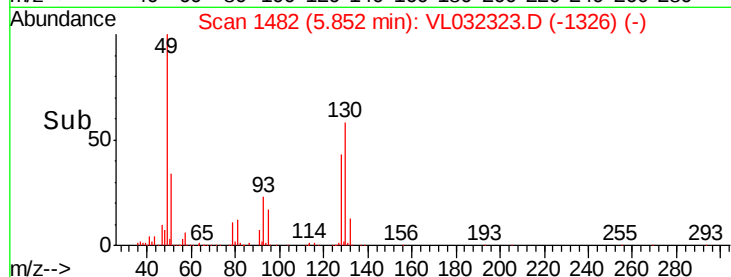
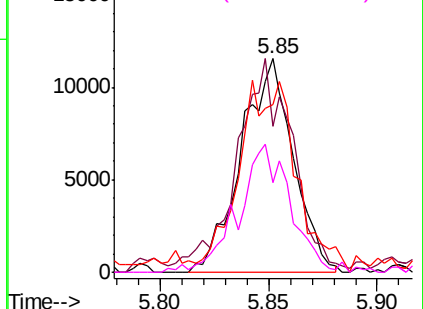
Abundance

Ion 57.10 (56.80 to 57.80): VL0

Ion 41.10 (40.80 to 41.80): VL0

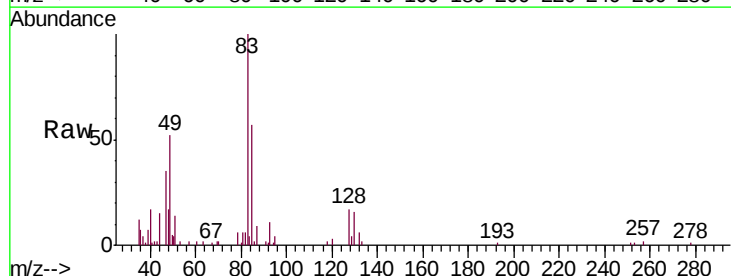
Ion 43.10 (42.80 to 43.80): VL0

Ion 56.10 (55.80 to 56.80): VL0



#29
Chloroform
Concen: 0.10 ppbv
RT: 5.91 min Scan# 1501
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

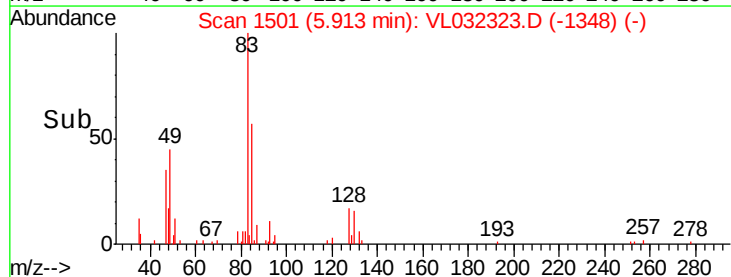
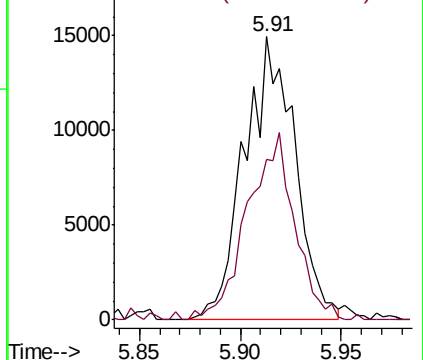
Tgt Ion	Ratio	Lower	Upper
83	100		
85	56.6	52.9	79.3

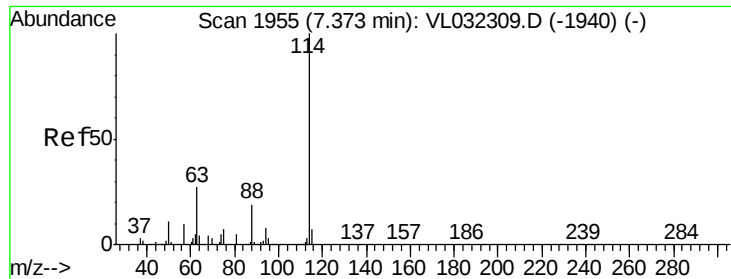


Abundance

Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0





#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.37 min Scan# 1953

Delta R.T. -0.01 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

Instrument :

MSVOA_L

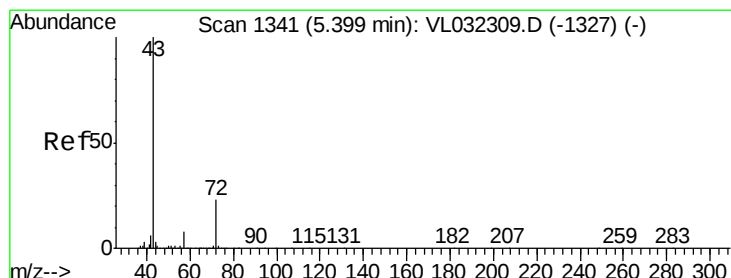
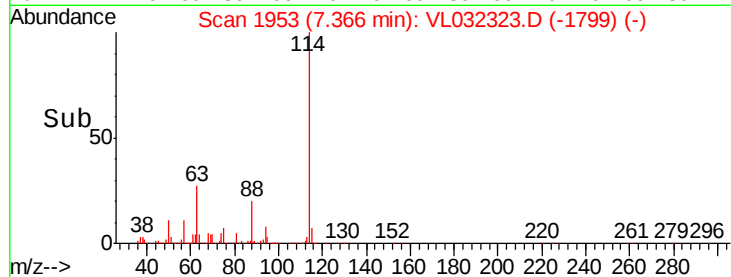
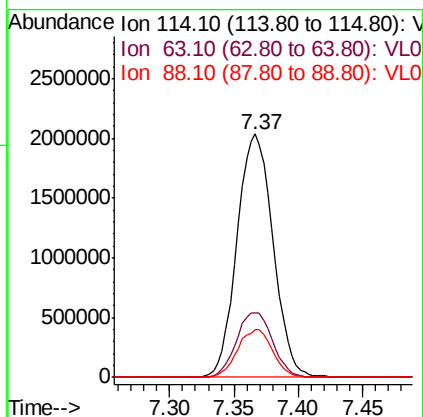
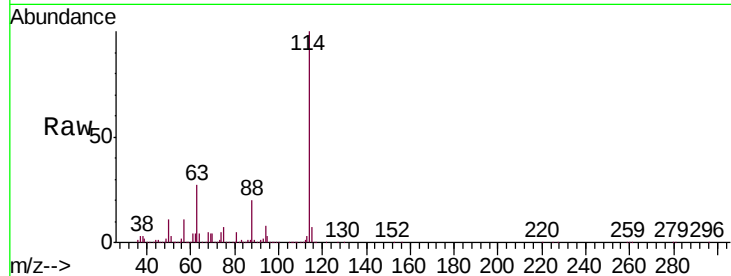
ClientSampled :

SG-1DL

Tot Ion:	114	Resp:	3969664
Ion	Ratio	Lower	Upper
114	100		
63	27.0	22.4	33.6
88	19.2	15.3	22.9

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#34

2-Butanone

Concen: 2.20 ppbv

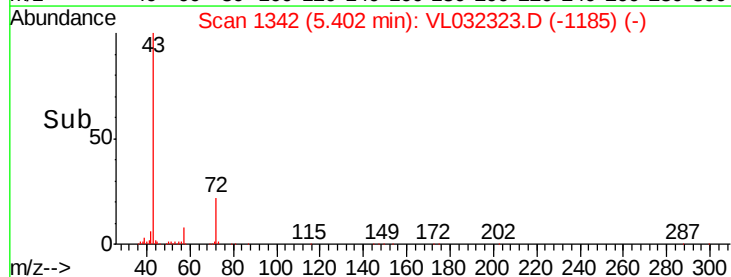
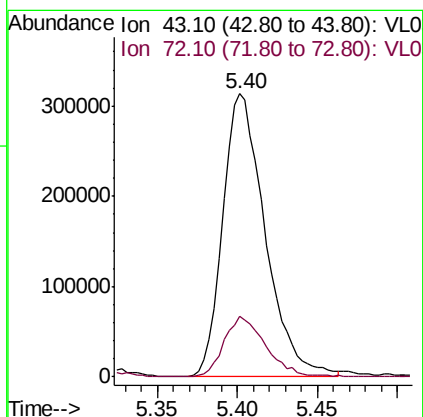
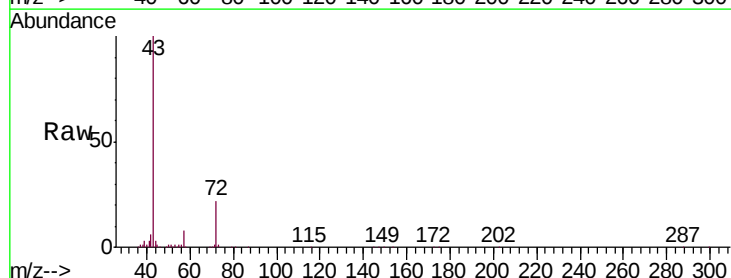
RT: 5.40 min Scan# 1342

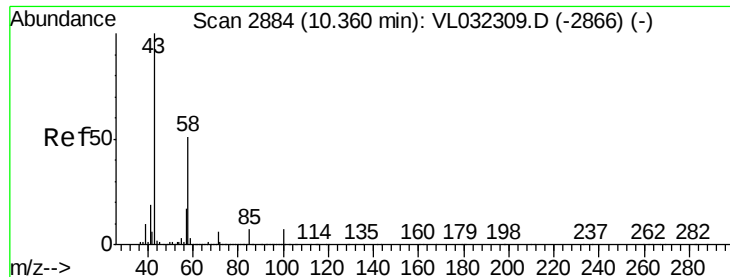
Delta R.T. 0.00 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

Tgt Ion:	43	Resp:	564401
Ion	Ratio	Lower	Upper
43	100		
72	21.7	17.4	26.2





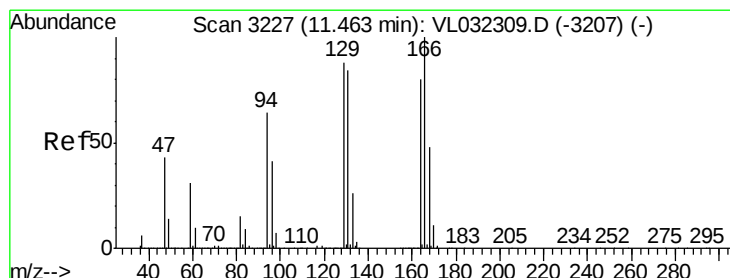
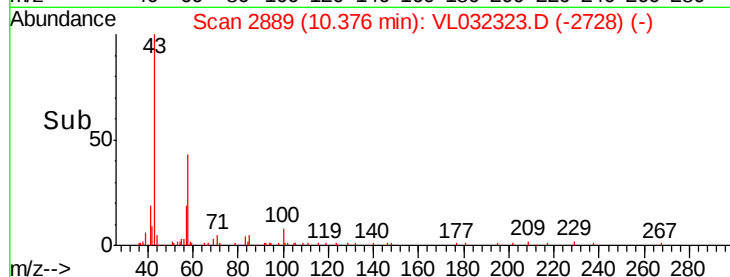
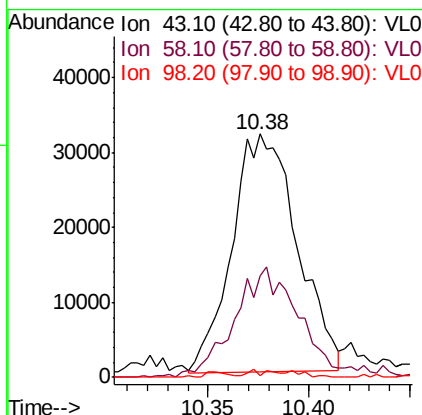
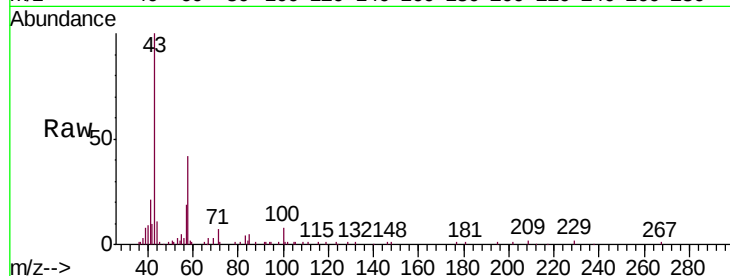
#51
2-Hexanone
Concen: 0.21 ppbv
RT: 10.38 min Scan# 2889
Delta R.T. 0.02 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	47.7	39.1	58.7
98	2.9	0.3	0.5#

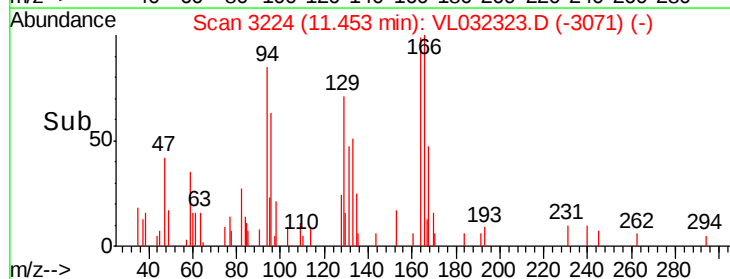
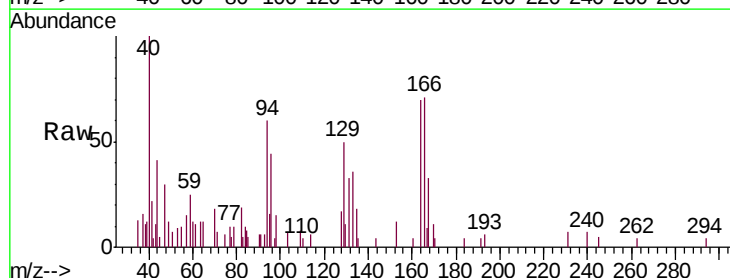
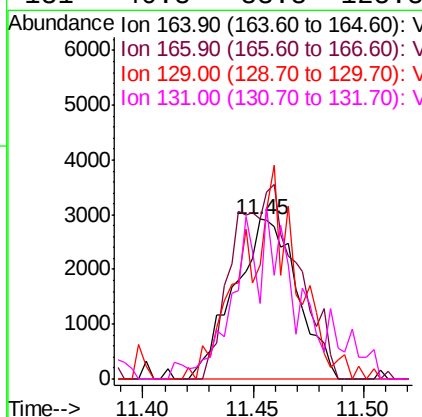
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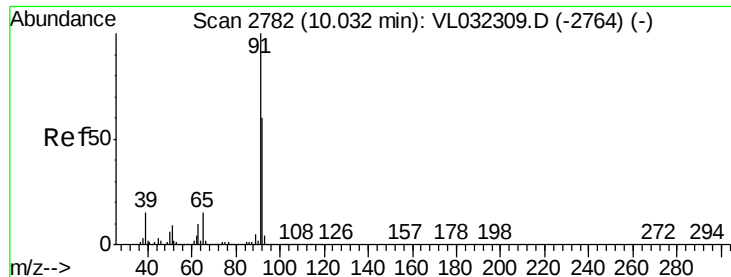
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#52
Tetrachloroethene
Concen: 0.05 ppbv
RT: 11.45 min Scan# 3224
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
164	100		
166	100.7	100.0	150.0
129	79.8	87.9	131.9#
131	40.8	83.8	125.8#





#53

Toluene

Concen: 0.31 ppbv

RT: 10.03 min Scan# 2782

Delta R.T. 0.00 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 91 Resp: 131208

Ion Ratio Lower Upper

91 100

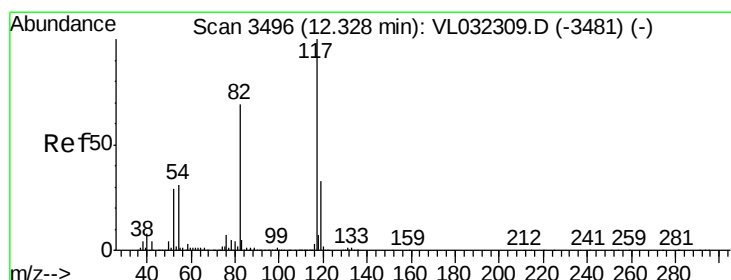
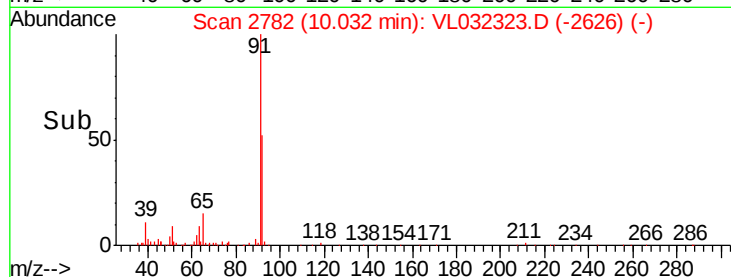
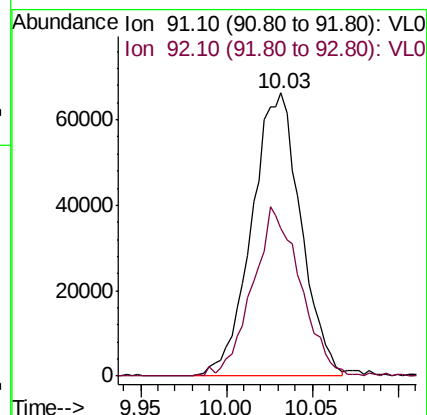
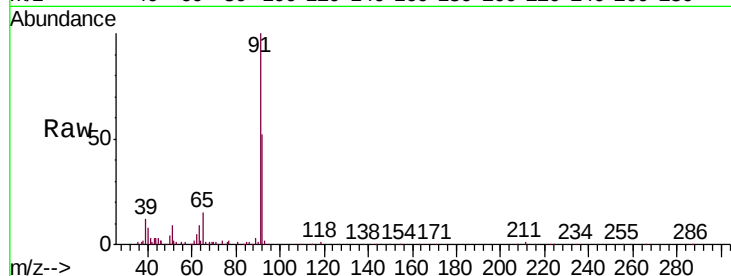
92 58.8 48.6 72.8

Manual Integrations

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.32 min Scan# 3494

Delta R.T. -0.01 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

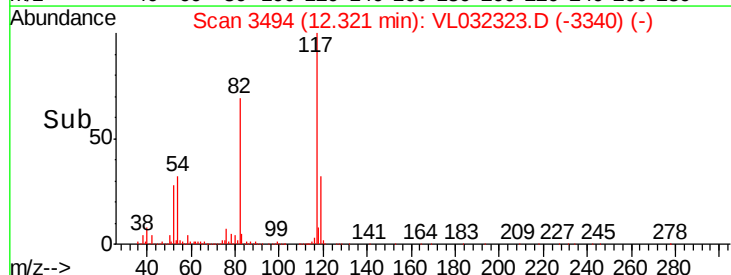
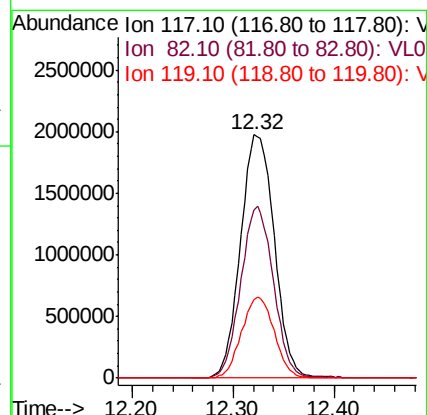
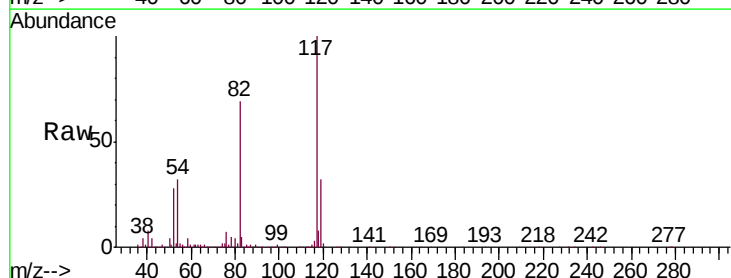
Tgt Ion: 117 Resp: 4596734

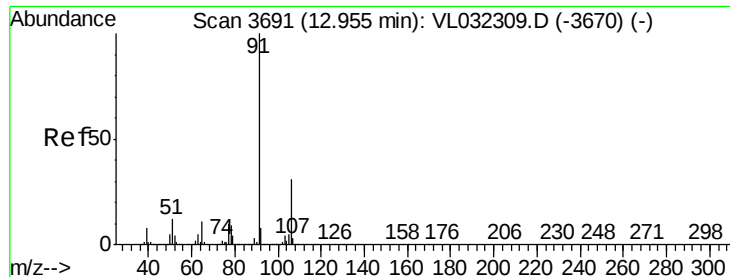
Ion Ratio Lower Upper

117 100

82 68.7 52.6 78.8

119 32.5 25.7 38.5





#58

Ethyl Benzene

Concen: 0.26 ppbv

RT: 12.95 min Scan# 3689

Delta R.T. -0.01 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion: 91 Resp: 148153

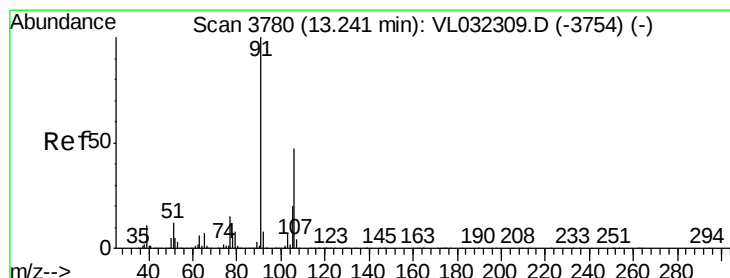
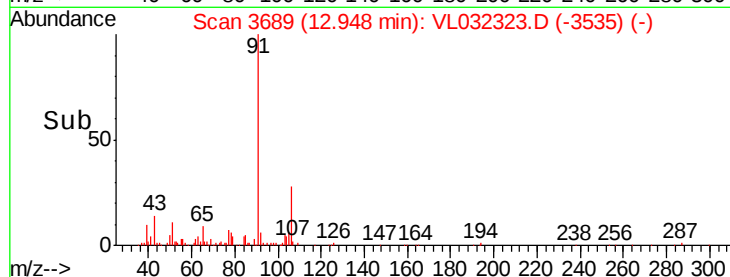
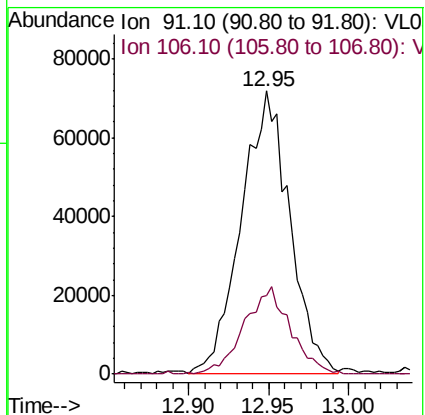
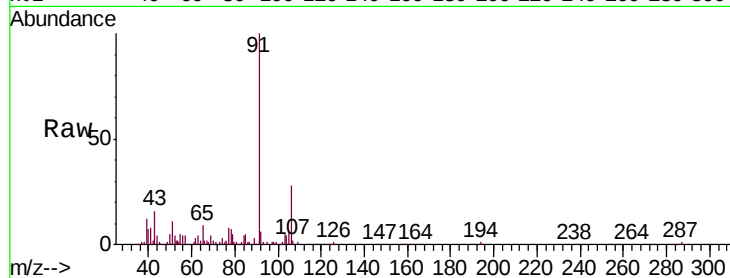
Ion Ratio Lower Upper

91 100

106 27.0 25.0 37.4

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#59

m/p-Xylene

Concen: 0.90 ppbv m

RT: 13.20 min Scan# 3768

Delta R.T. -0.04 min

Lab File: VL032323.D

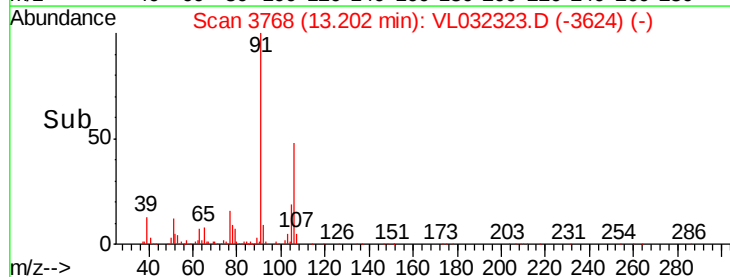
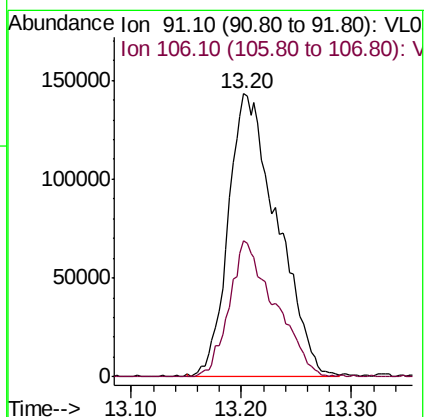
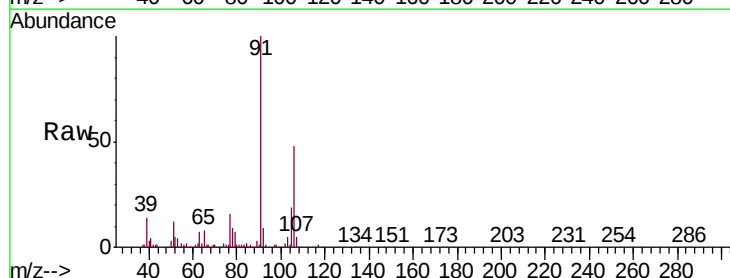
Acq: 27 Jul 2018 17:45

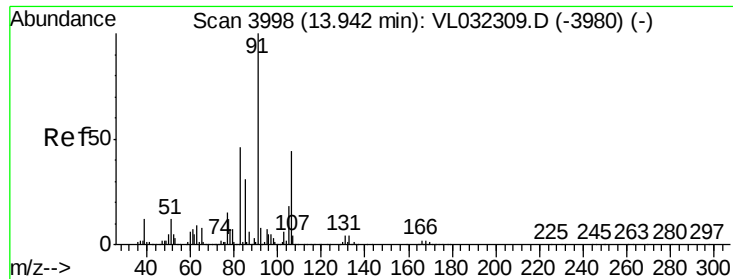
Tgt Ion: 91 Resp: 442122

Ion Ratio Lower Upper

91 100

106 0.0 36.4 54.6#





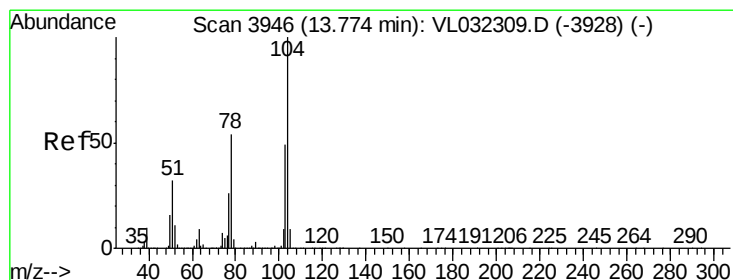
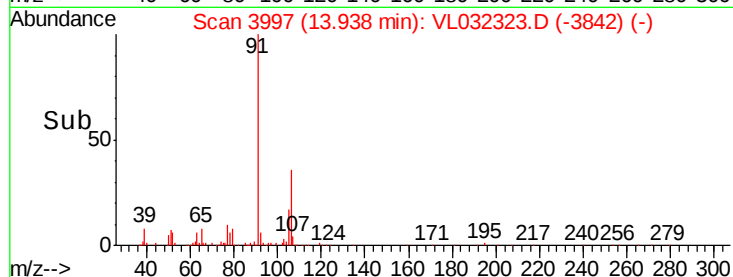
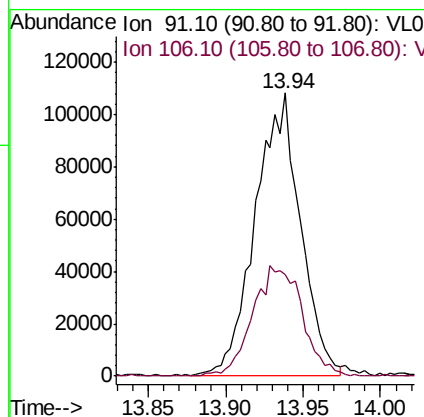
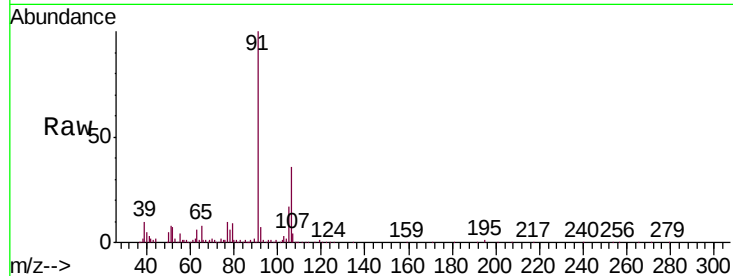
#60
o-Xylene
Concen: 0.45 ppbv
RT: 13.94 min Scan# 3997
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampleId :
SG-1DL

Tot Ion	Ratio	Lower	Upper
91	100		
106	43.2	22.4	67.0

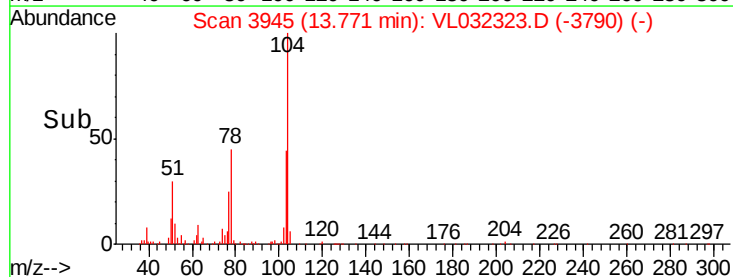
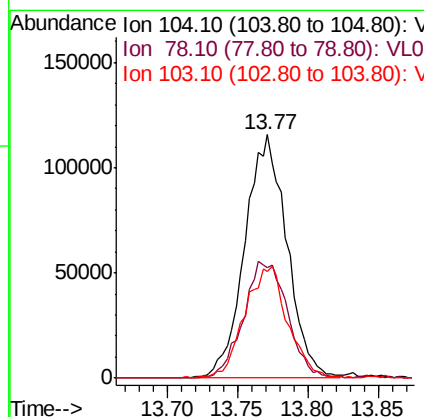
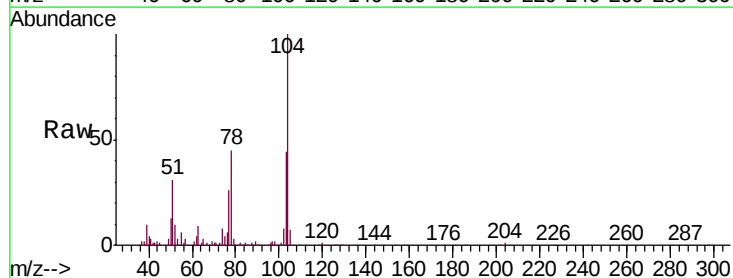
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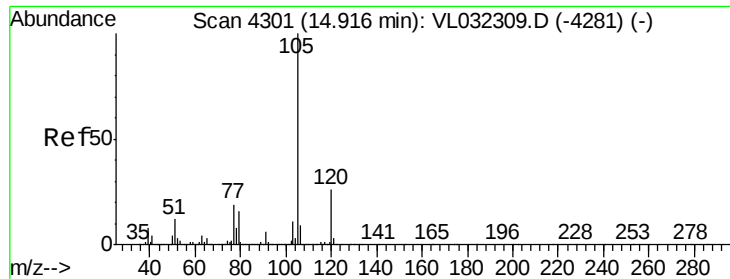
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#61
Styrene
Concen: 0.68 ppbv
RT: 13.77 min Scan# 3945
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
104	100		
78	50.7	42.6	63.8
103	47.1	38.0	57.0





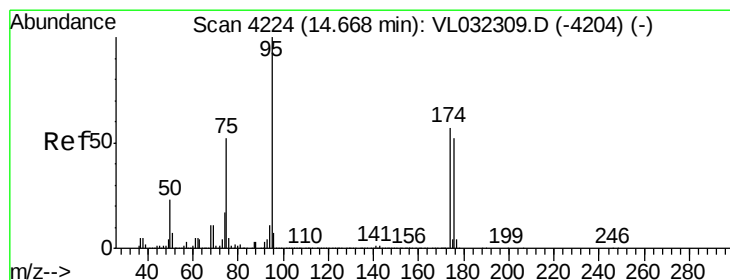
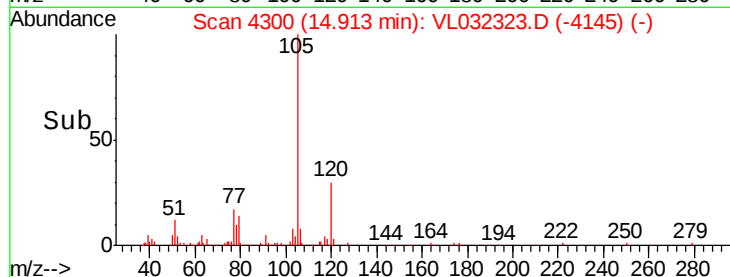
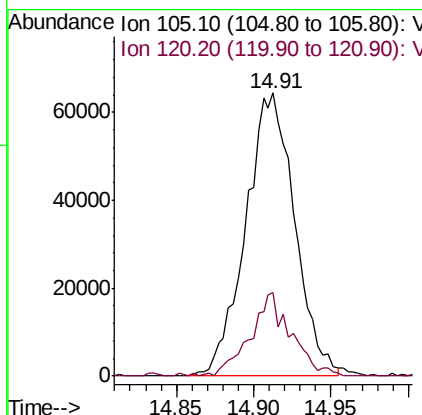
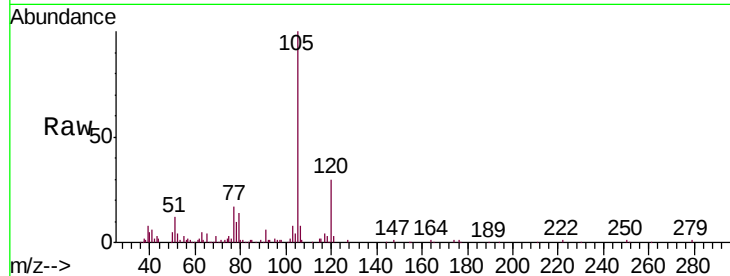
#62
Isopropylbenzene
Concen: 0.21 ppbv
RT: 14.91 min Scan# 4300
Delta R.T. -0.00 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Instrument :
MSVOA_L
ClientSampled :
SG-1DL

Tot Ion	Ratio	Lower	Upper
105	100		
120	25.2	20.4	30.6

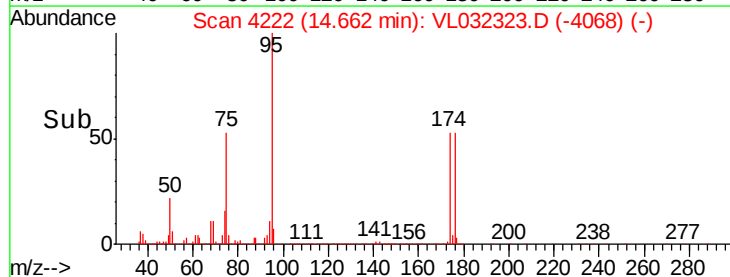
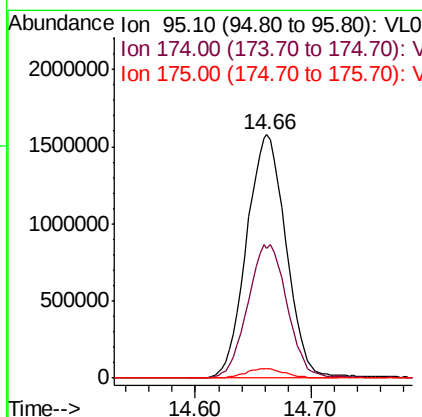
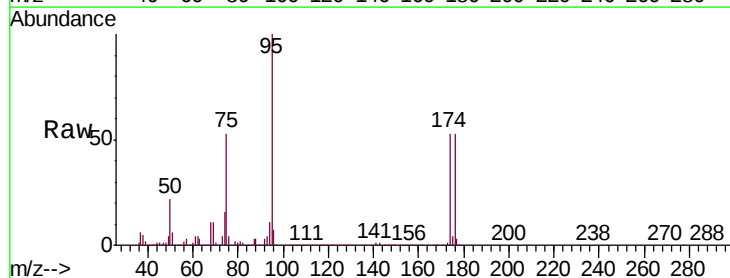
Manual Integrations
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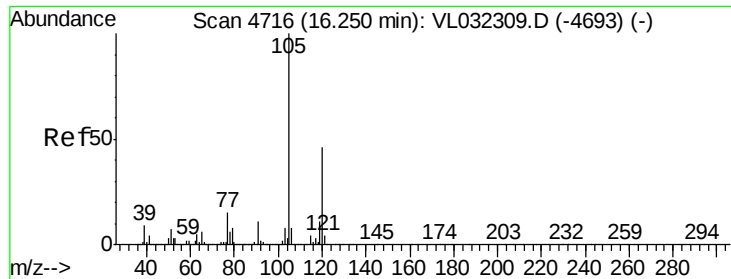
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.42 ppbv
RT: 14.66 min Scan# 4222
Delta R.T. -0.01 min
Lab File: VL032323.D
Acq: 27 Jul 2018 17:45

Tgt Ion	Ratio	Lower	Upper
95	100		
174	55.2	45.5	68.3
175	4.1	3.3	4.9





#73

1,3,5-Trimethylbenzene

Concen: 0.10 ppbv m

RT: 16.25 min Scan# 4715

Delta R.T. -0.00 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

Instrument :

MSVOA_L

ClientSampled :

SG-1DL

Tot Ion:105 Resp: 54802

Ion Ratio Lower Upper

105 100

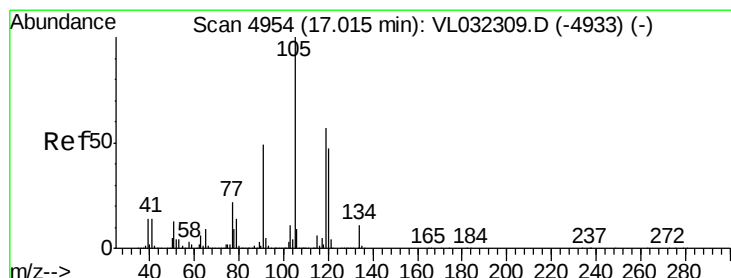
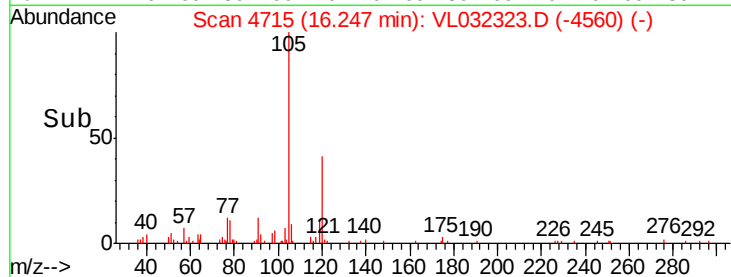
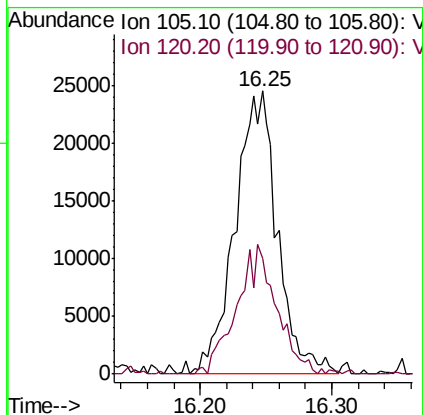
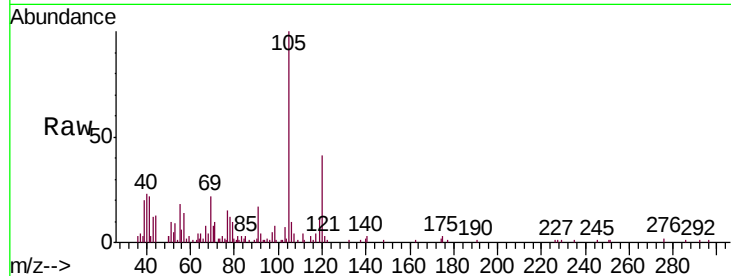
120 41.0 36.5 54.7

Manual Integrations

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#74

1,2,4-Trimethylbenzene

Concen: 0.21 ppbv

RT: 17.01 min Scan# 4953

Delta R.T. -0.00 min

Lab File: VL032323.D

Acq: 27 Jul 2018 17:45

Tgt Ion:105 Resp: 117232

Ion Ratio Lower Upper

105 100

120 37.1 37.8 56.6#

91 15.2 39.4 59.0#

77 14.8 17.6 26.4#

