

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL081618\
 Data File : VL032385.D
 Acq On : 16 Aug 2018 20:22
 Operator : SY/AP
 Sample : J4457-03DL 40X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVIDL

Manual Integrations
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Quant Time: Aug 20 09:39:16 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug 15 14:58:02 2018
 QLast Update : Wed Aug 15 14:58:02 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.82	49	1801574	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.35	114	3643257	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.31	117	3497573	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.64	95	2732628	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.09	41	1988970m	27.85	ppbv	
10) Heptane	8.31	43	1180750	5.49	ppbv	99
13) Ethanol	3.70	45	49636	2.71	ppbv	98
15) Acetone	3.94	43	2022513	11.82	ppbv #	75
26) Hexane	5.84	57	2875939	17.59	ppbv #	43
27) Carbon Disulfide	4.67	76	46936	0.31	ppbv #	81
30) Cyclohexane	7.31	84	1583178	12.71	ppbv	98
34) 2-Butanone	5.39	43	347830	1.40	ppbv	99
36) Benzene	7.06	78	458034	1.48	ppbv	95
53) Toluene	10.01	91	1263532	3.73	ppbv	99
58) Ethyl Benzene	12.94	91	178018m	0.42	ppbv	
59) m/p-Xylene	13.19	91	316256m	0.88	ppbv	
60) o-Xylene	13.92	91	65585m	0.19	ppbv	

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

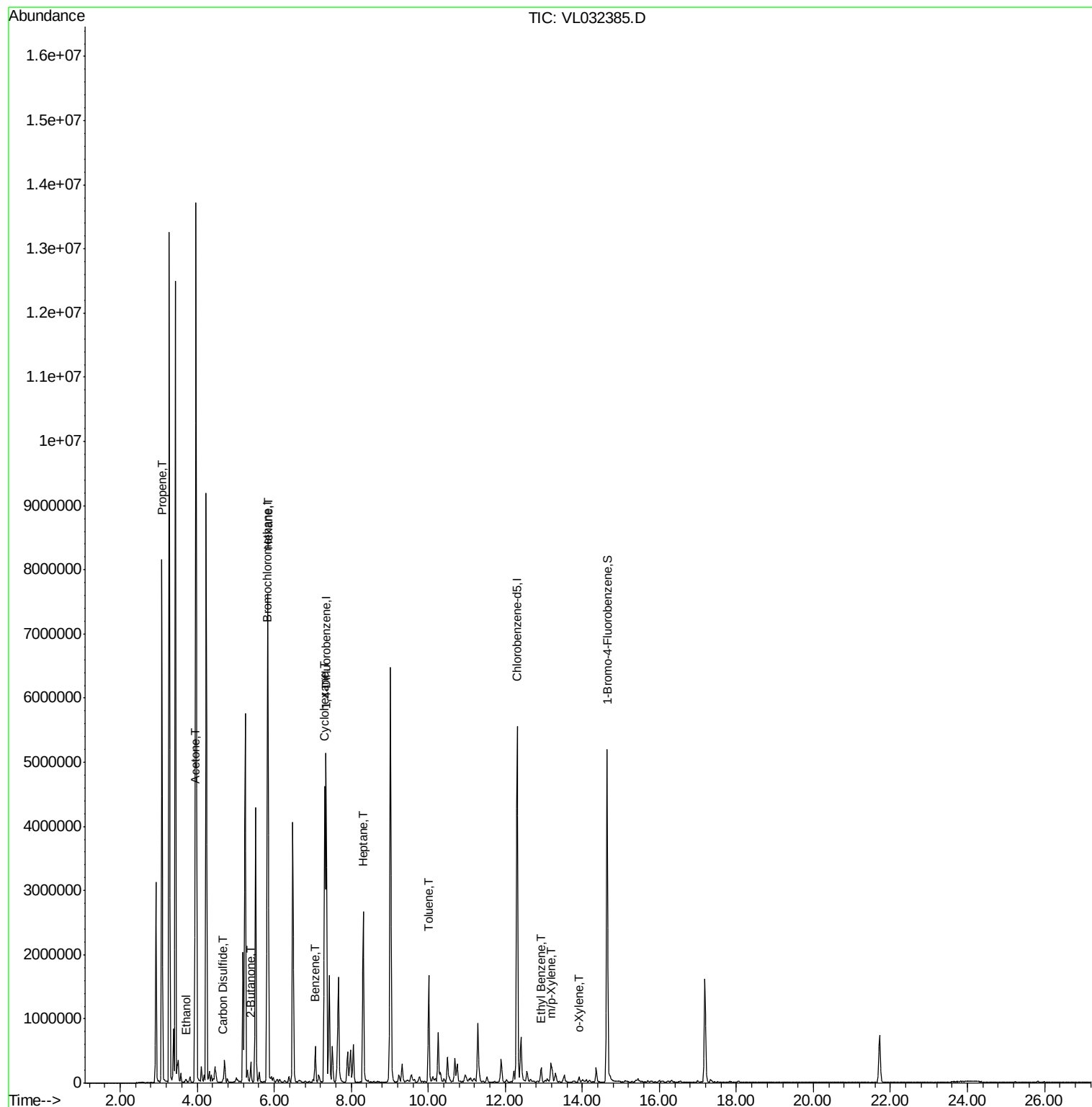
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL081618\
Data File : VL032385.D
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Misc : 400ml/MSVOA L
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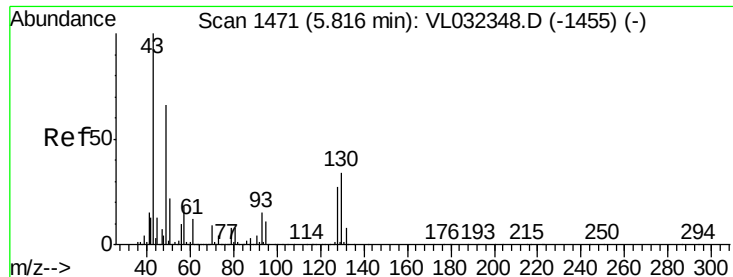
Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVIDL

Manual Integrations
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Quant Time: Aug 20 09:39:16 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL081518AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Aug
QLast Update : Wed Aug 15 14:58:02 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.82 min Scan# 1471

Delta R.T. 0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVIDL

Tot Ion: 49 Resp: 1801574

Ion Ratio Lower Upper

49 100

128 40.2 20.5 61.6

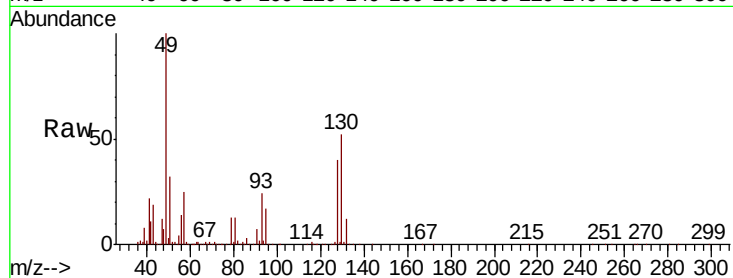
130 50.9 26.2 78.5

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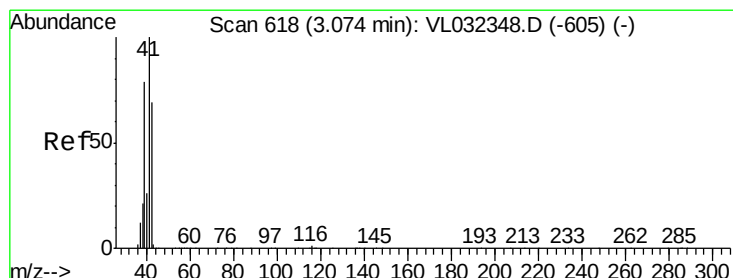
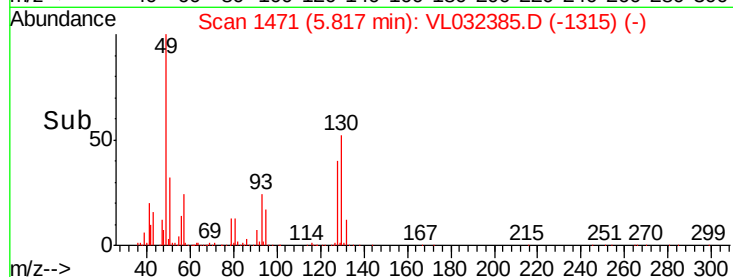
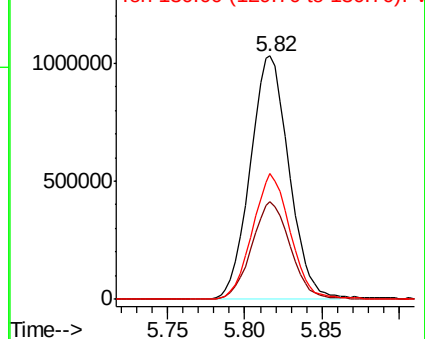
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V



#9

Propene

Concen: 27.85 ppbv m

RT: 3.09 min Scan# 622

Delta R.T. 0.01 min

Lab File: VL032385.D

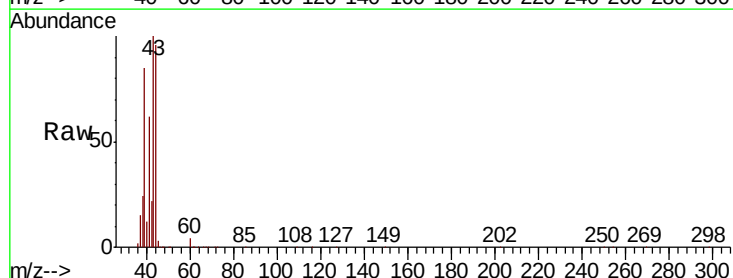
Acq: 16 Aug 2018 20:22

Tgt Ion: 41 Resp: 1988970

Ion Ratio Lower Upper

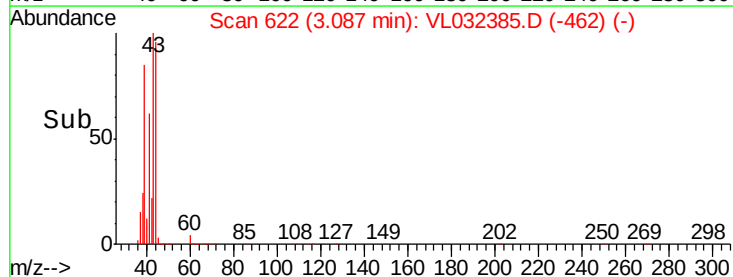
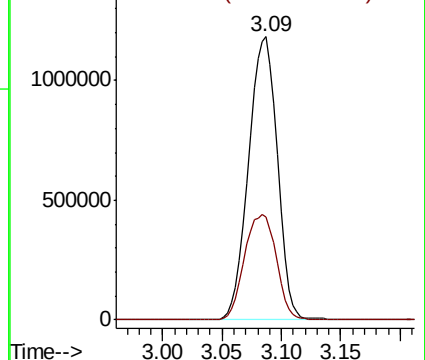
41 100

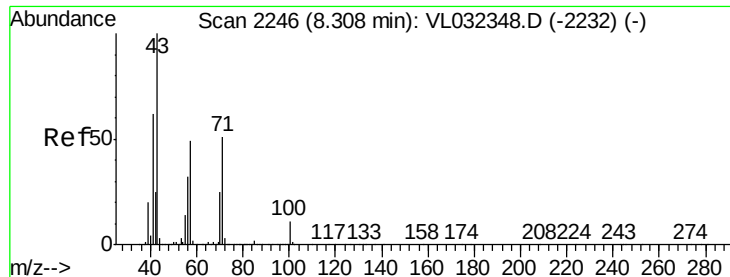
42 147.9 55.9 83.9#



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#10

Heptane

Concen: 5.49 ppbv

RT: 8.31 min Scan# 2247

Delta R.T. 0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVIDL

Tot Ion: 43 Resp: 1180750

Ion Ratio Lower Upper

43 100

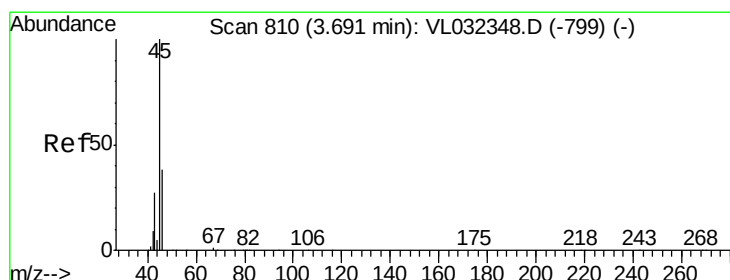
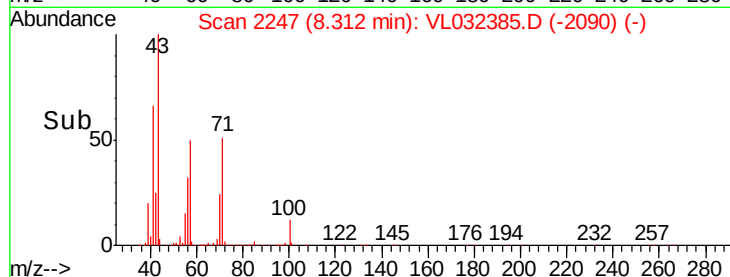
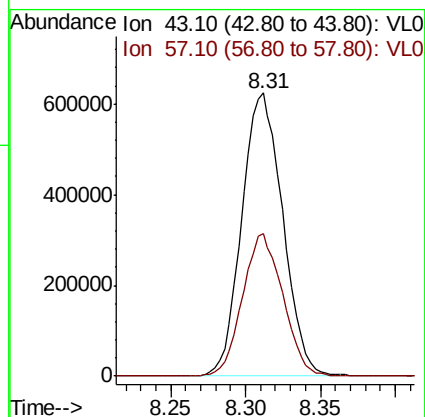
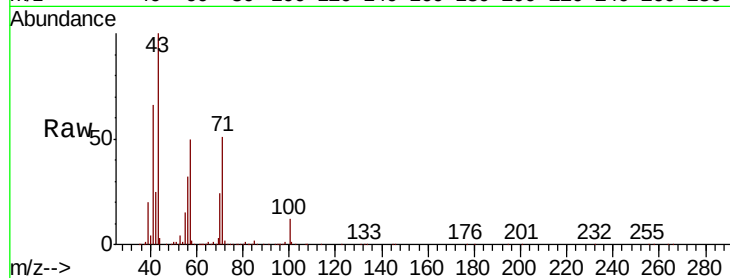
57 50.0 39.5 59.3

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#13

Ethanol

Concen: 2.71 ppbv

RT: 3.70 min Scan# 813

Delta R.T. 0.01 min

Lab File: VL032385.D

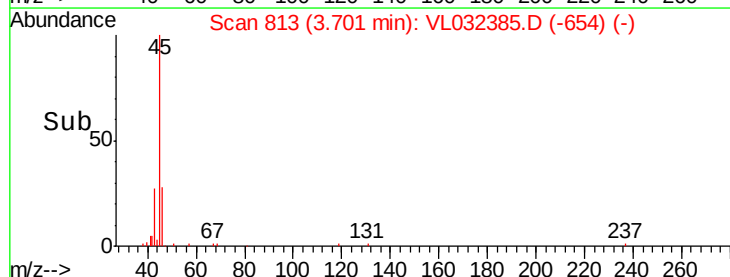
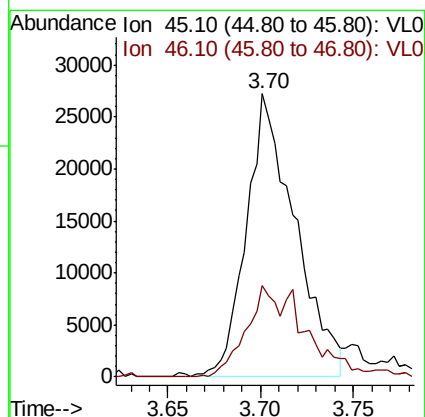
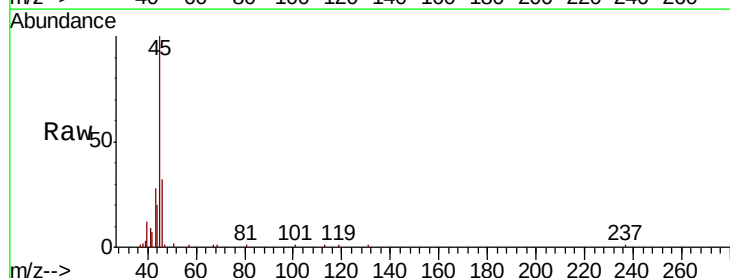
Acq: 16 Aug 2018 20:22

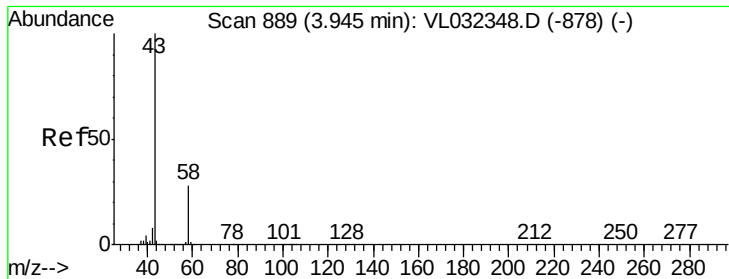
Tgt Ion: 45 Resp: 49636

Ion Ratio Lower Upper

45 100

46 40.4 15.6 62.4





#15

Acetone

Concen: 11.82 ppbv

RT: 3.94 min Scan# 888

Delta R.T. -0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Instrument :

MSVOA_L

ClientSampleId :

SG06-MIVIDL

Tot Ion: 43 Resp: 2022513

Ion Ratio Lower Upper

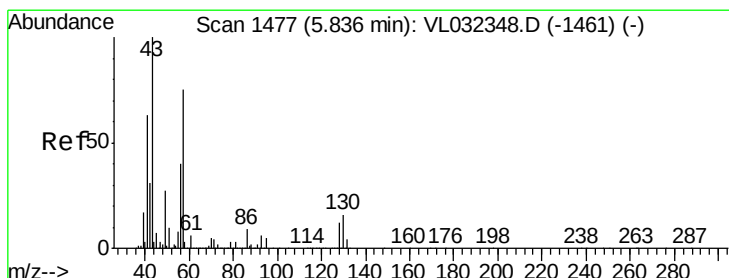
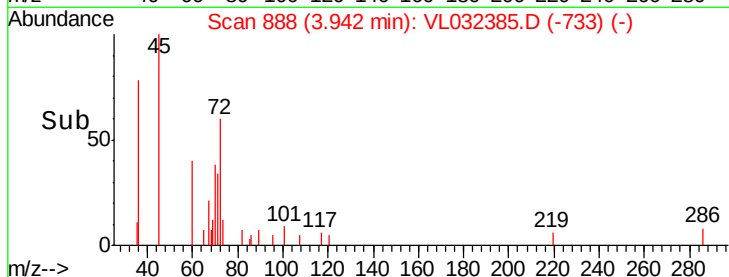
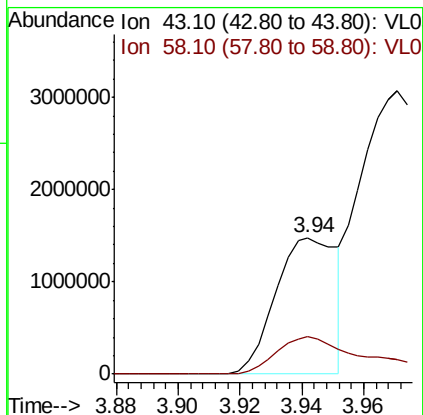
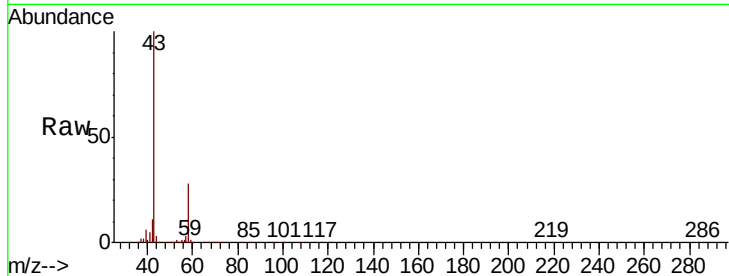
43 100

58 41.2 22.4 33.6#

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#26

Hexane

Concen: 17.59 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. 0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Tgt Ion: 57 Resp: 2875939

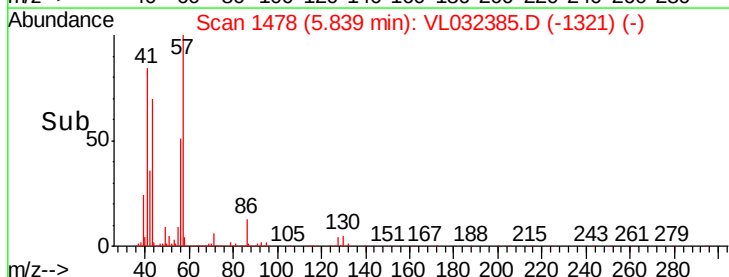
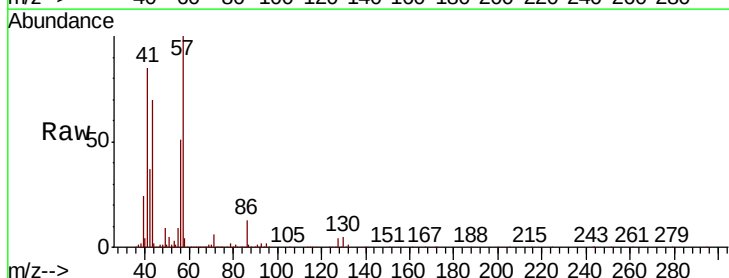
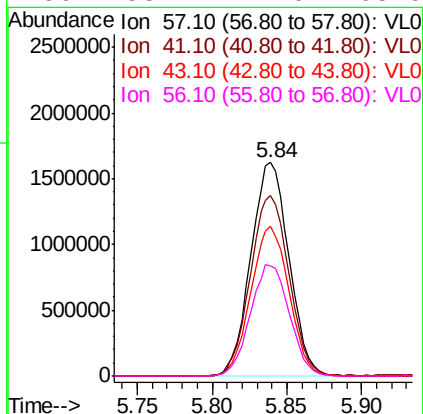
Ion Ratio Lower Upper

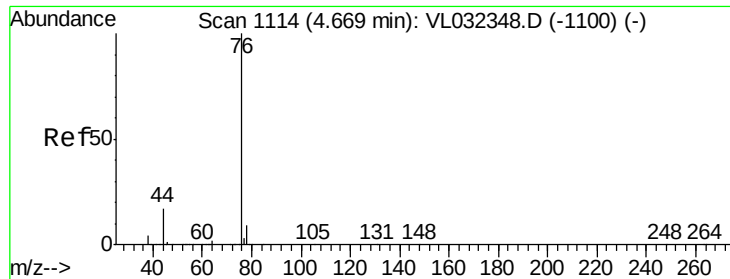
57 100

41 86.1 68.0 102.0

43 70.3 175.3 262.9#

56 53.2 42.0 63.0





#27

Carbon Disulfide

Concen: 0.31 ppbv

RT: 4.67 min Scan# 1115

Delta R.T. 0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Instrument :

MSVOA_L

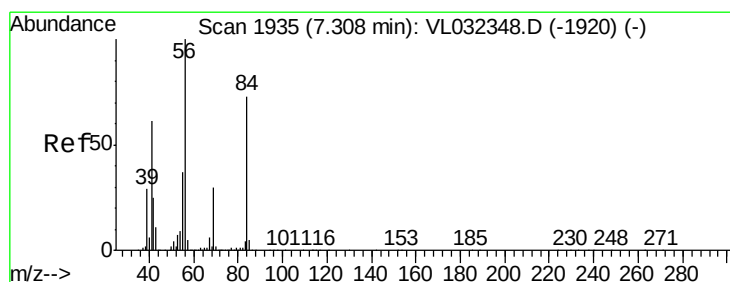
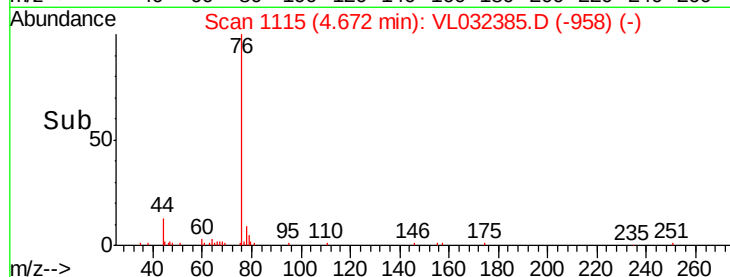
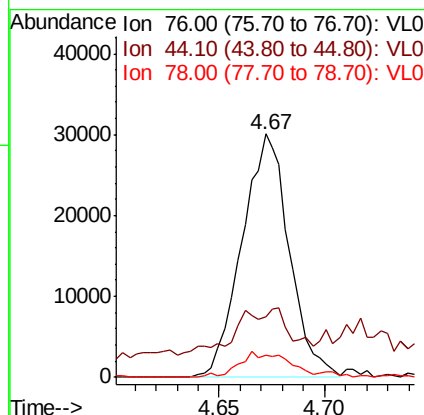
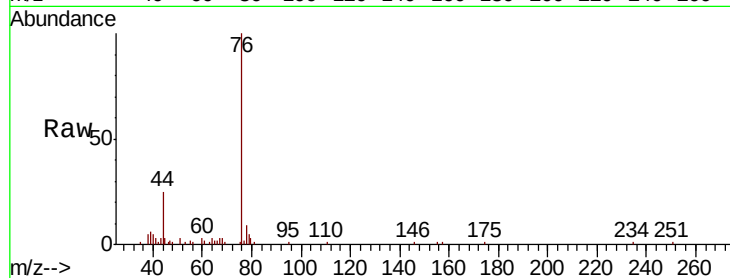
ClientSampleId :

SG06-MIVIDL

Tot Ion:	76	Resp:	46936
Ion Ratio	Lower	Upper	
76	100		
44	28.6	14.4	21.6#
78	12.4	7.4	11.0#

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#30

Cyclohexane

Concen: 12.71 ppbv

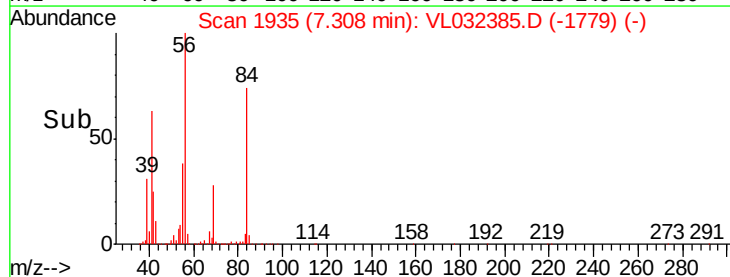
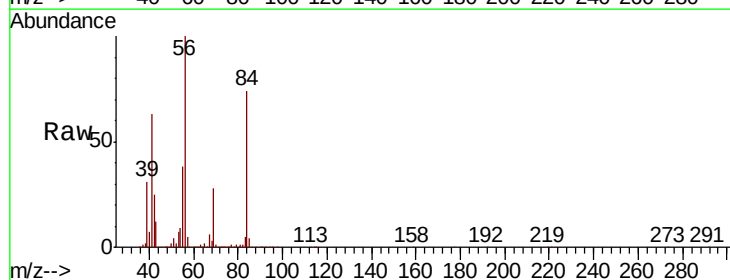
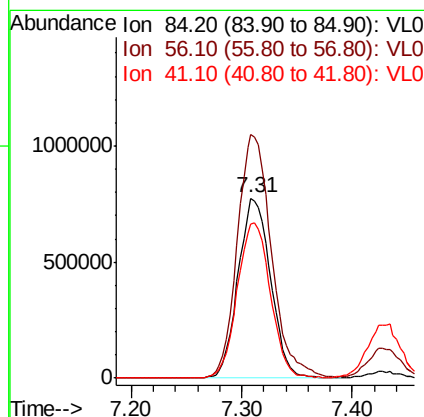
RT: 7.31 min Scan# 1935

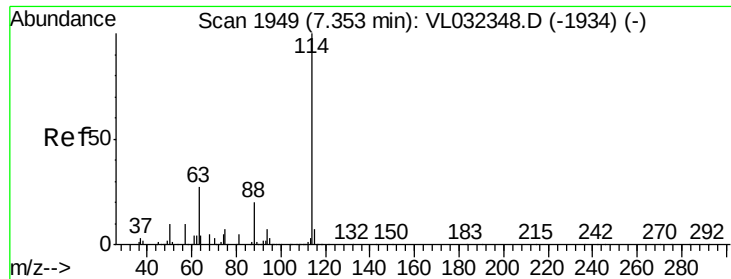
Delta R.T. 0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Tgt Ion:	84	Resp:	1583178
Ion Ratio	Lower	Upper	
84	100		
56	142.4	115.7	173.5
41	87.7	67.9	101.9





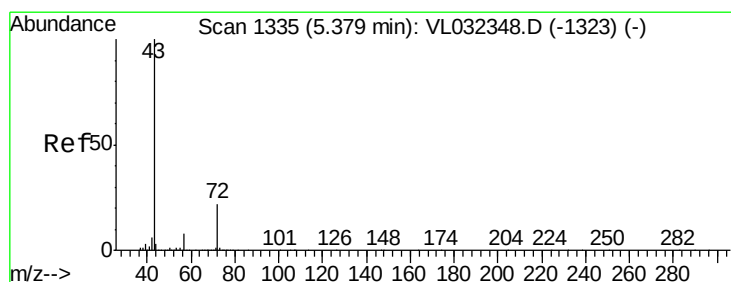
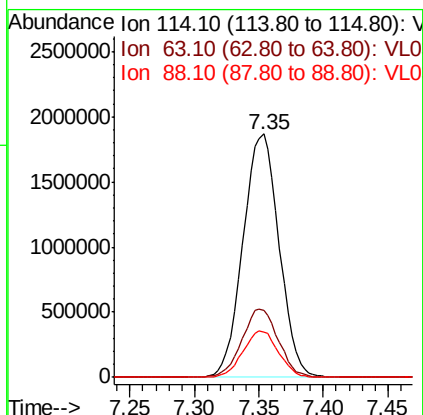
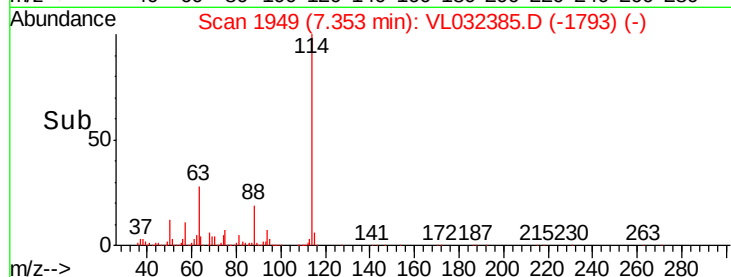
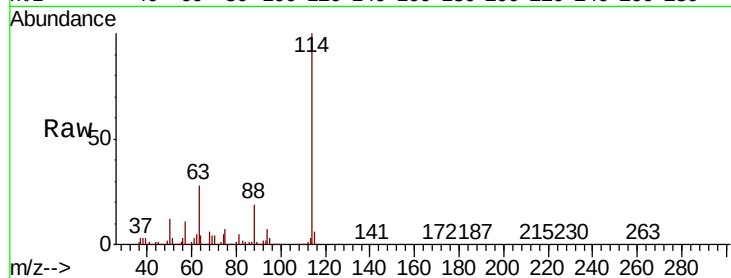
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.35 min Scan# 1949
 Delta R.T. 0.00 min
 Lab File: VL032385.D
 Acq: 16 Aug 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVIDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	28.7	22.0	33.0
88	18.7	15.3	22.9

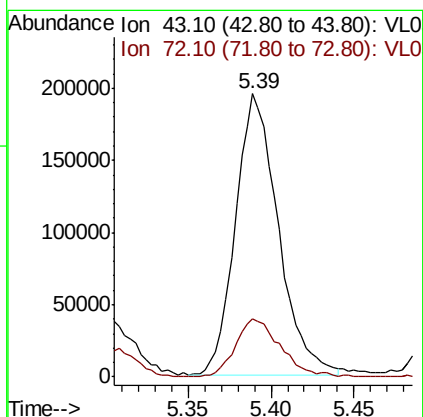
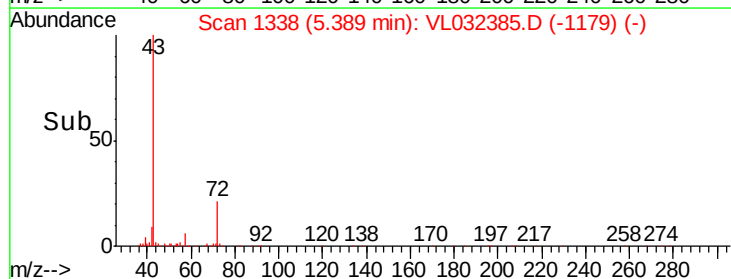
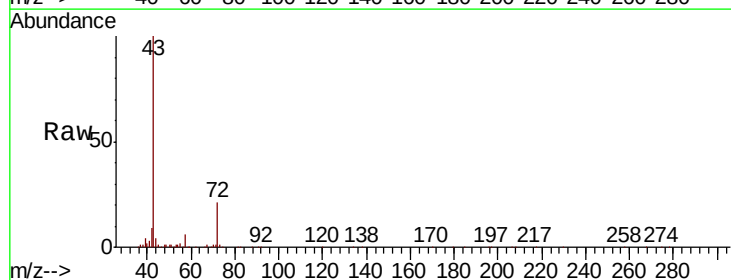
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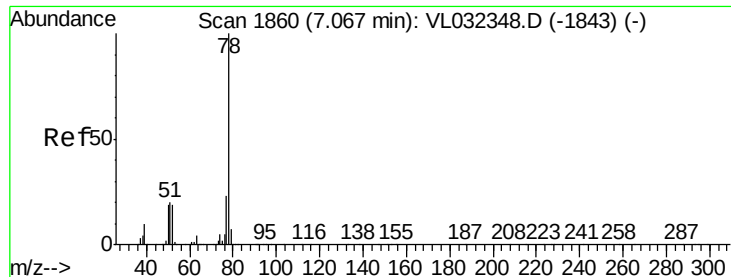
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#34
 2-Butanone
 Concen: 1.40 ppbv
 RT: 5.39 min Scan# 1338
 Delta R.T. 0.01 min
 Lab File: VL032385.D
 Acq: 16 Aug 2018 20:22

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	17.9	26.9





#36

Benzene

Concen: 1.48 ppbv

RT: 7.06 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Instrument :

MSVOA_L

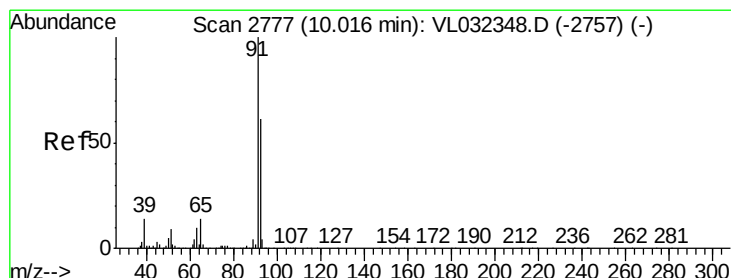
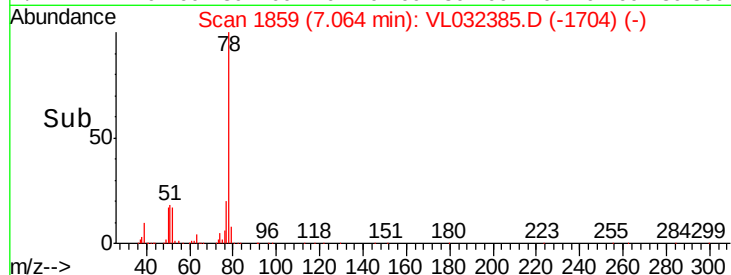
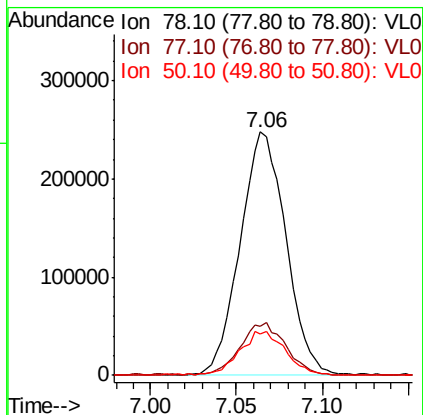
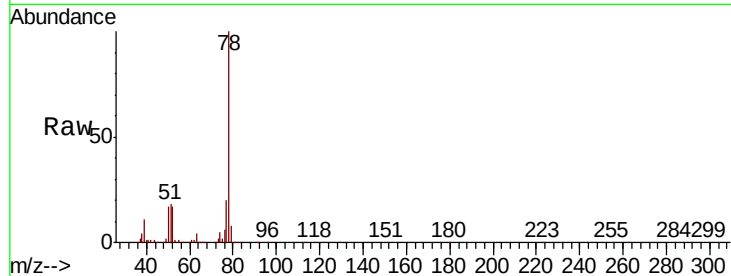
ClientSampleId :

SG06-MIVIDL

Tot Ion:	78	Resp:	458034
Ion Ratio	Lower	Upper	
78	100		
77	20.4	18.0	27.0
50	16.8	15.1	22.7

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#53

Toluene

Concen: 3.73 ppbv

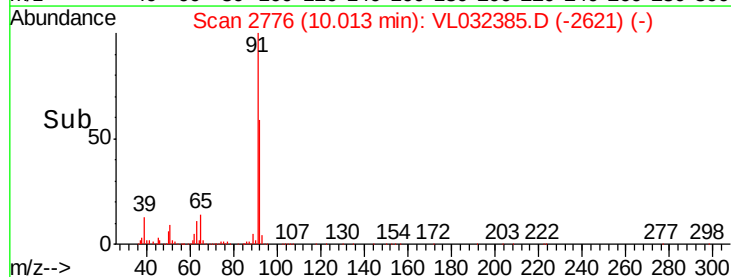
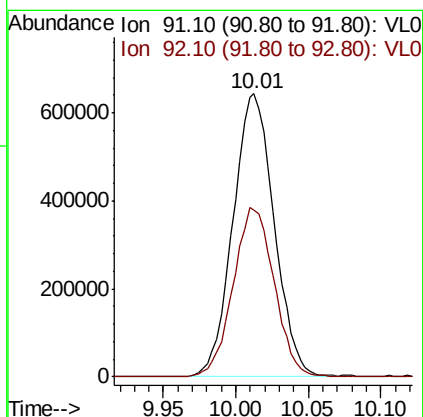
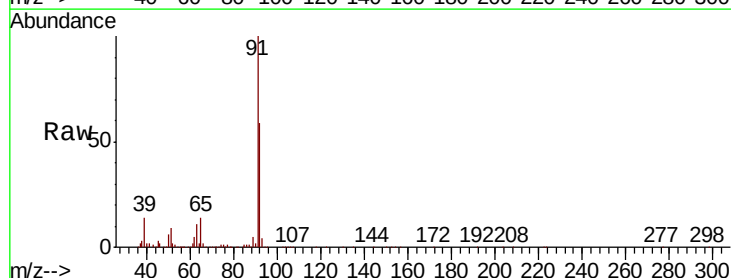
RT: 10.01 min Scan# 2776

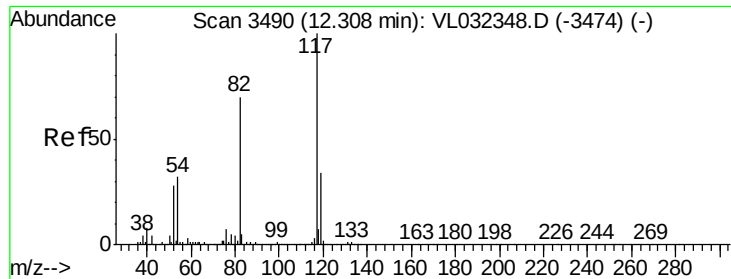
Delta R.T. -0.00 min

Lab File: VL032385.D

Acq: 16 Aug 2018 20:22

Tgt Ion:	91	Resp:	1263532
Ion Ratio	Lower	Upper	
91	100		
92	60.2	48.7	73.1





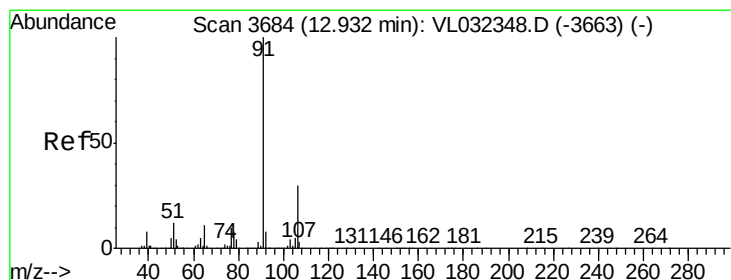
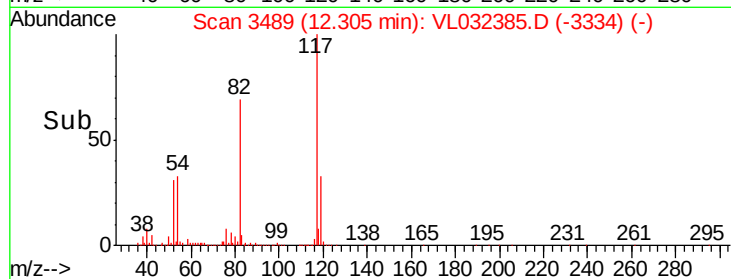
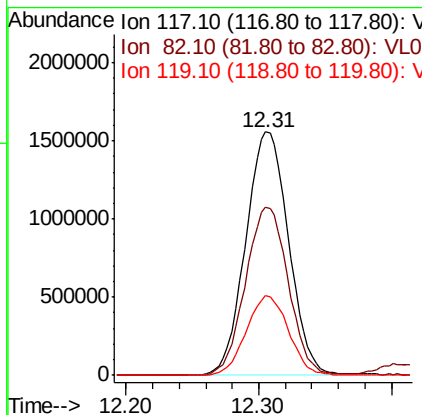
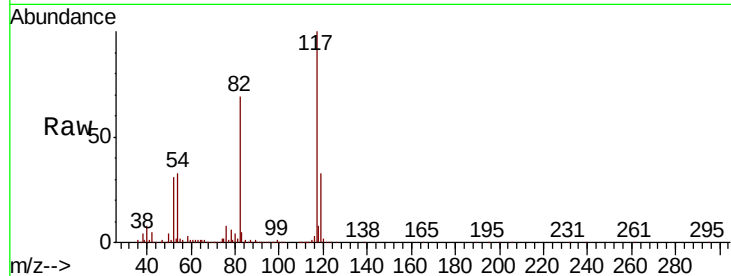
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.31 min Scan# 3489
Delta R.T. -0.00 min
Lab File: VL032385.D
Acq: 16 Aug 2018 20:22

Instrument :
MSVOA_L
ClientSampleId :
SG06-MIVIDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.1	55.1	82.7
119	32.4	46.0	69.0

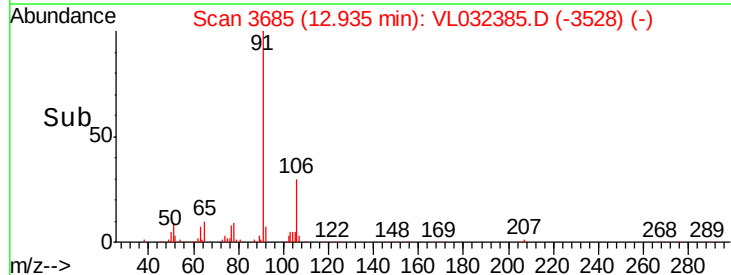
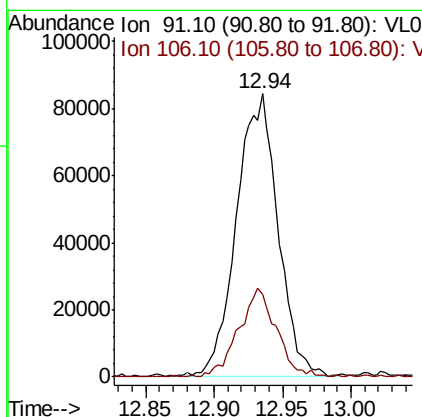
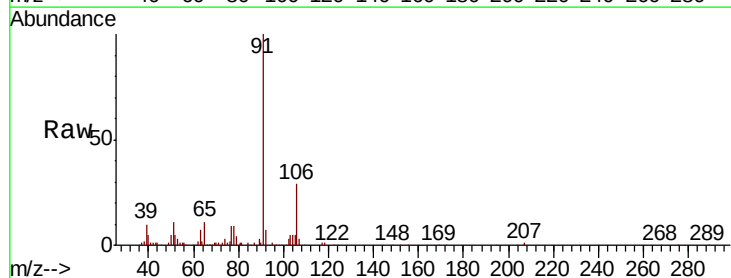
Manual Integrations
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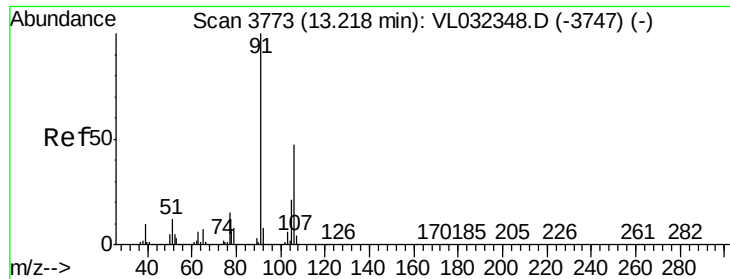
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#58
Ethyl Benzene
Concen: 0.42 ppbv m
RT: 12.94 min Scan# 3685
Delta R.T. 0.00 min
Lab File: VL032385.D
Acq: 16 Aug 2018 20:22

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.3	24.3	36.5





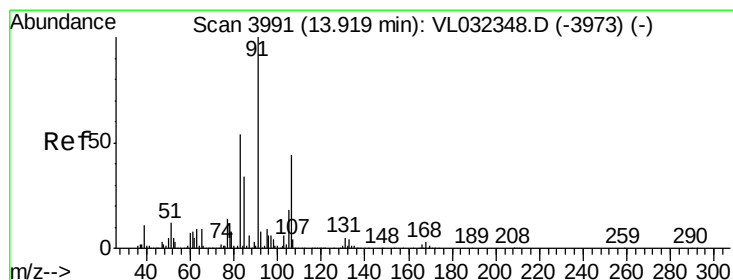
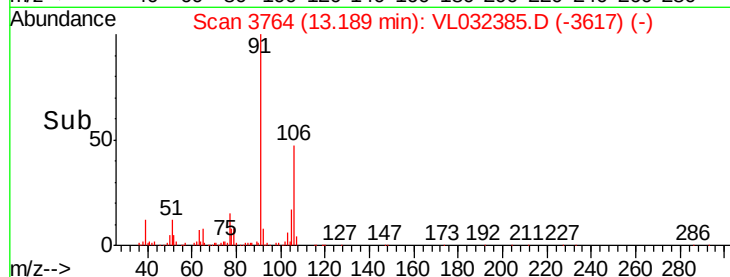
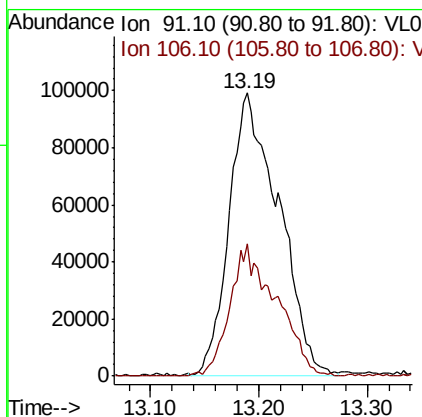
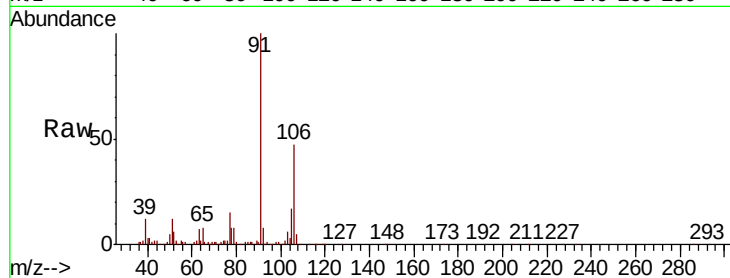
#59
m/p-Xylene
Concen: 0.88 ppbv m
RT: 13.19 min Scan# 3764
Delta R.T. -0.03 min
Lab File: VL032385.D
Acq: 16 Aug 2018 20:22

Instrument :
MSVOA_L
ClientSampled :
SG06-MIVIDL

Tot Ion: 91 Resp: 316256
Ion Ratio Lower Upper
91 100
106 0.0 37.0 55.4#

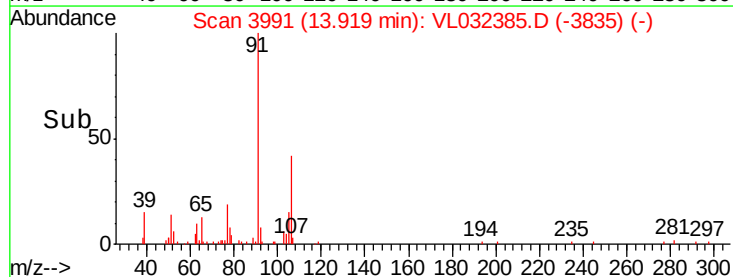
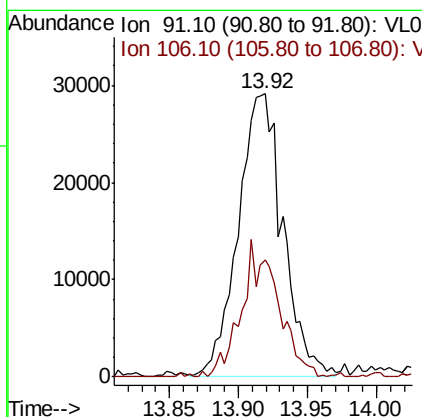
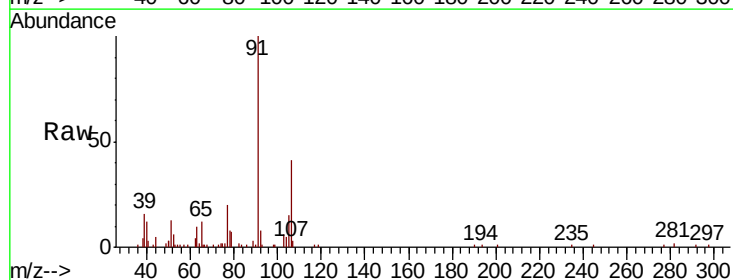
Manual Integrations
APPROVED

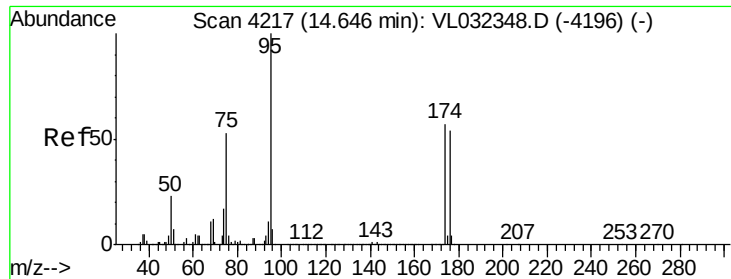
apatel
8/20/2018 3:18:24 PM



#60
o-Xylene
Concen: 0.19 ppbv m
RT: 13.92 min Scan# 3991
Delta R.T. 0.00 min
Lab File: VL032385.D
Acq: 16 Aug 2018 20:22

Tgt Ion: 91 Resp: 65585
Ion Ratio Lower Upper
91 100
106 39.9 22.3 66.8





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.24 ppbv
 RT: 14.64 min Scan# 4216
 Delta R.T. -0.00 min
 Lab File: VL032385.D
 Acq: 16 Aug 2018 20:22

Instrument :
 MSVOA_L
 ClientSampleId :
 SG06-MIVIDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	55.9	46.2	69.4
175	4.1	3.4	5.0

Manual Integrations
 APPROVED

apatel
 8/20/2018 3:18:24 PM

