

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL101118\
 Data File : VL032613.D
 Acq On : 11 Oct 2018 20:46
 Operator : SY/AP
 Sample : J5370-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 Q1-SVI-100518DL

Manual Integrations
 APPROVED

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 10/12/2018 2:07:37 PM

Quant Time: Oct 12 02:33:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct 08 2018
 QLast Update : Mon Oct 01 06:49:26 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.79	49	1491613	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	3291851	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	3492455	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2511260	9.54	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	295079	5.483	ppbv	97
13) Ethanol	3.67	45	101708	6.287	ppbv	92
15) Acetone	3.91	43	4947986	37.791	ppbv	94
17) tert-Butyl alcohol	4.39	59	83308	5.063	ppbv #	100
19) Isopropyl Alcohol	4.06	45	83614m	0.917	ppbv	
20) Methylene Chloride	4.44	84	122086	1.926	ppbv	89
26) Hexane	5.81	57	27659	0.193	ppbv #	1
27) Carbon Disulfide	4.64	76	34024	0.221	ppbv #	70
34) 2-Butanone	5.35	43	2229980	11.376	ppbv	99
51) 2-Hexanone	10.31	43	307103	1.205	ppbv #	99
52) Tetrachloroethene	11.41	164	9040m	0.098	ppbv	
53) Toluene	9.97	91	95259m	0.294	ppbv	

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

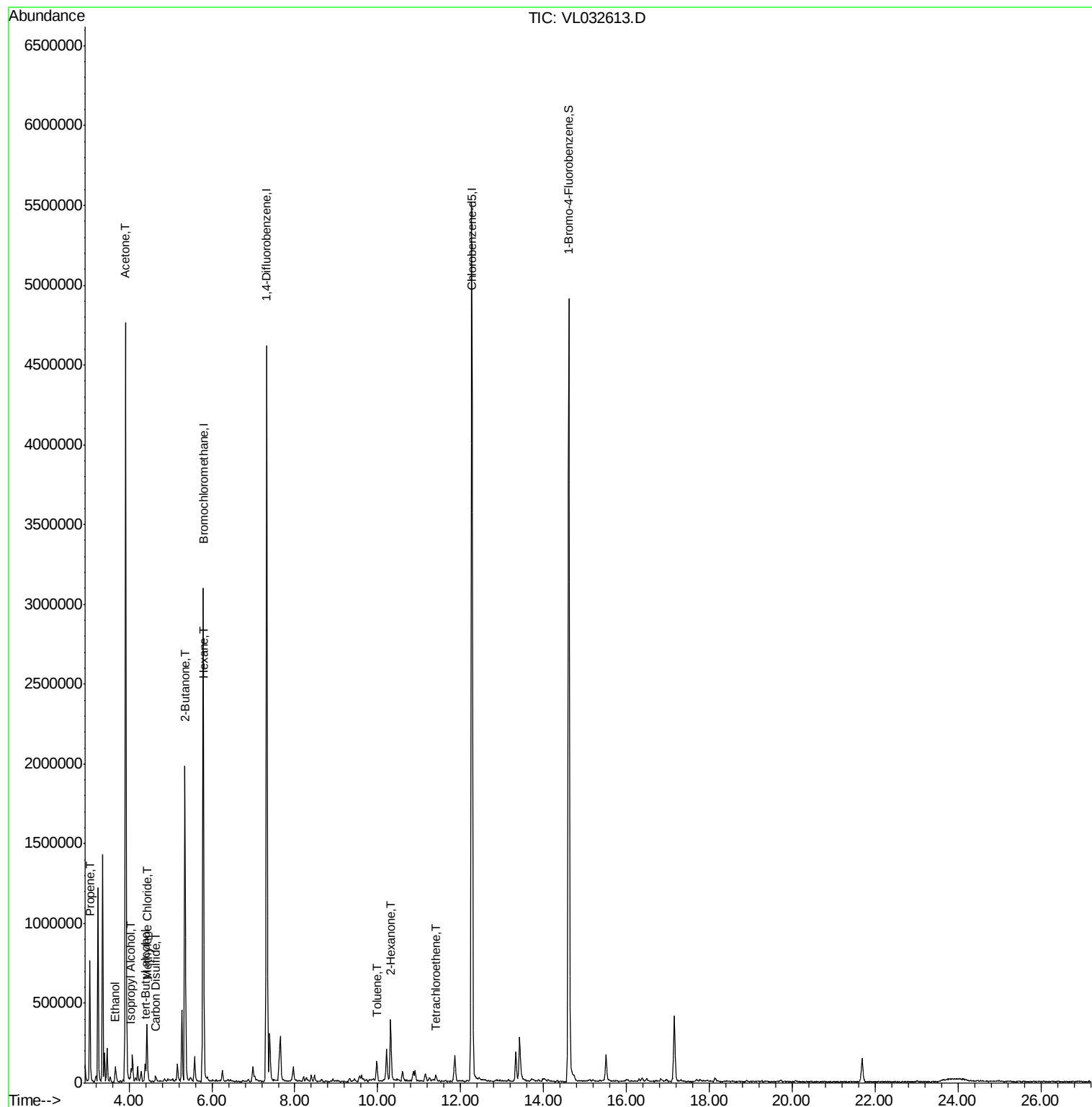
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL101118\
Data File : VL032613.D
Acq On : 11 Oct 2018 20:46
Operator : SY/AP
Sample : J5370-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

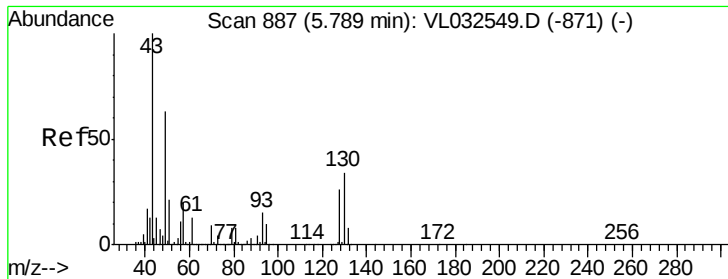
Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

Manual Integrations
APPROVED

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10/12/2018 2:07:37 PM

Quant Time: Oct 12 02:33:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Oct
QLast Update : Mon Oct 01 06:49:26 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032613.D

Acq: 11 Oct 2018 20:46

Instrument :

MSVOA_L

ClientSampleId :

Q1-SVI-100518DL

Tot Ion: 49 Resp: 1491613

Ion Ratio Lower Upper

49 100

128 43.2 20.7 62.1

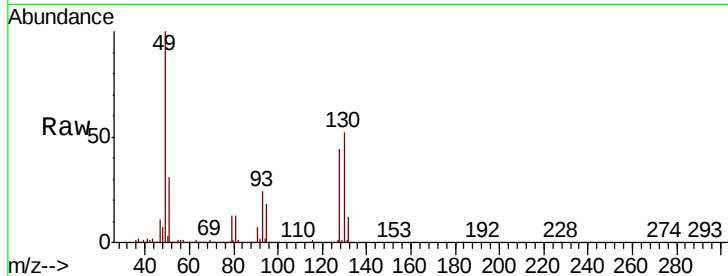
130 55.1 26.6 79.7

Manual Integrations

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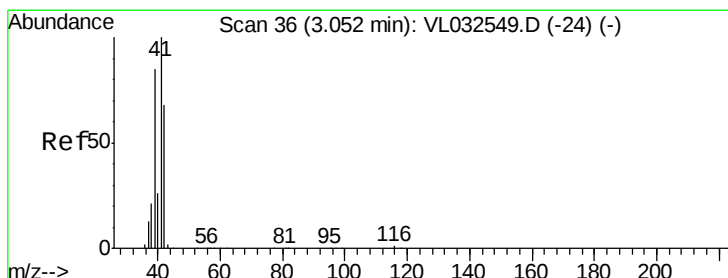
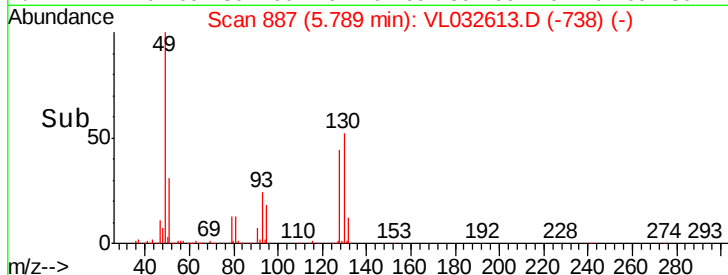
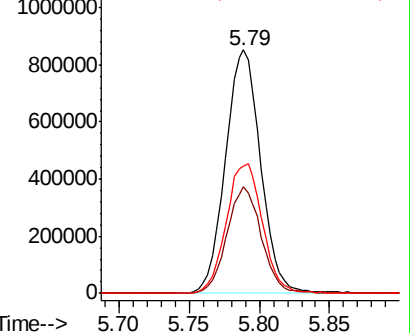
10/12/2018 2:07:37 PM



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: 5.483 ppbv

RT: 3.05 min Scan# 36

Delta R.T. -0.01 min

Lab File: VL032613.D

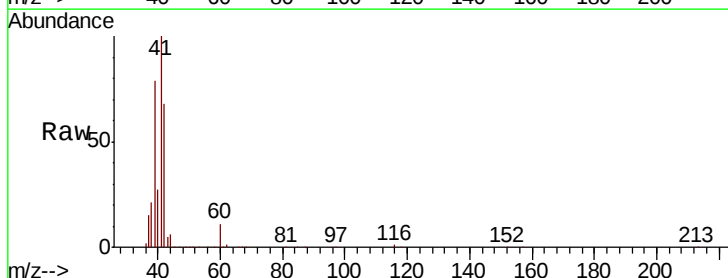
Acq: 11 Oct 2018 20:46

Tgt Ion: 41 Resp: 295079

Ion Ratio Lower Upper

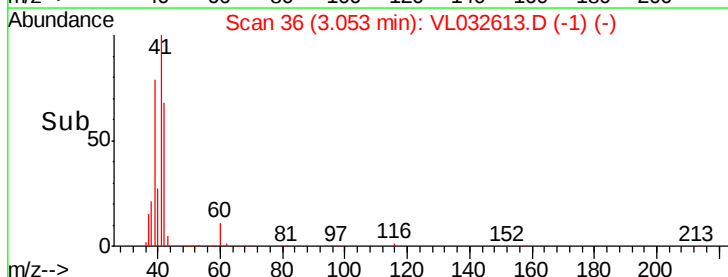
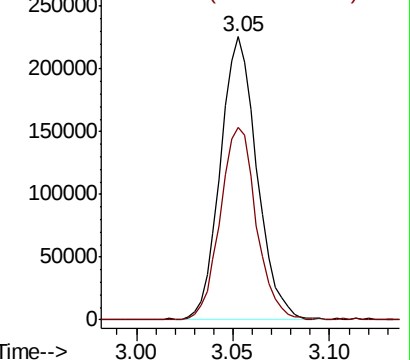
41 100

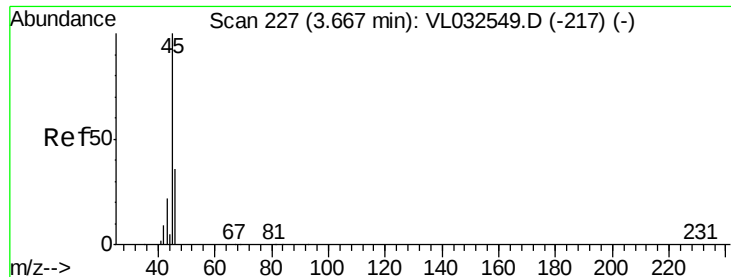
42 68.1 56.6 84.8



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





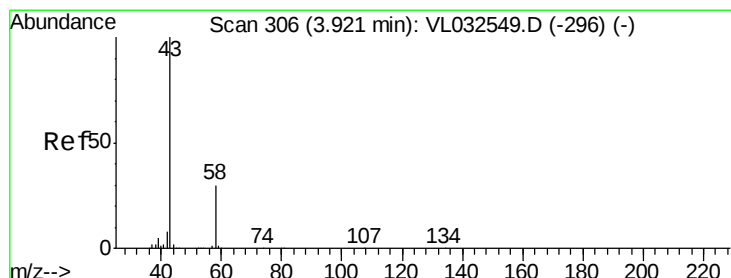
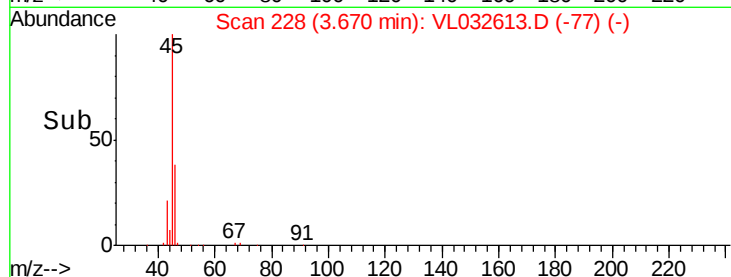
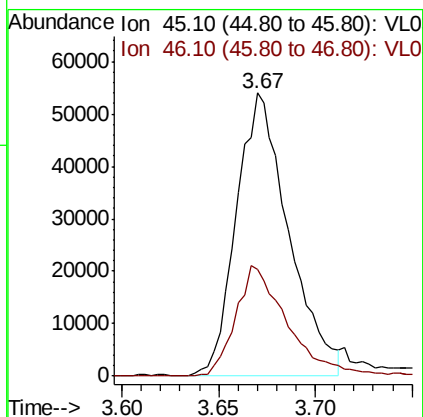
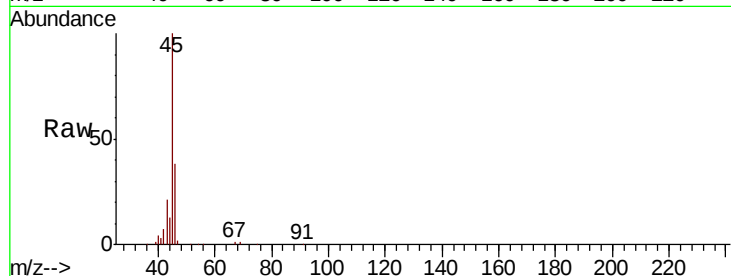
#13
Ethanol
Concen: 6.287 ppbv
RT: 3.67 min Scan# 228
Delta R.T. -0.01 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

Tot Ion: 45 Resp: 101708
Ion Ratio Lower Upper
45 100
46 39.9 14.2 56.8

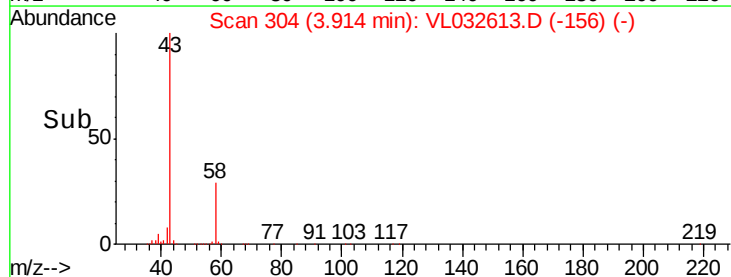
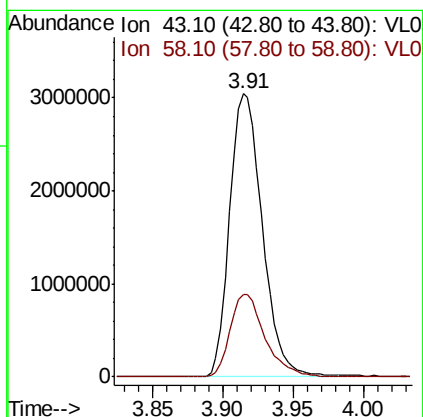
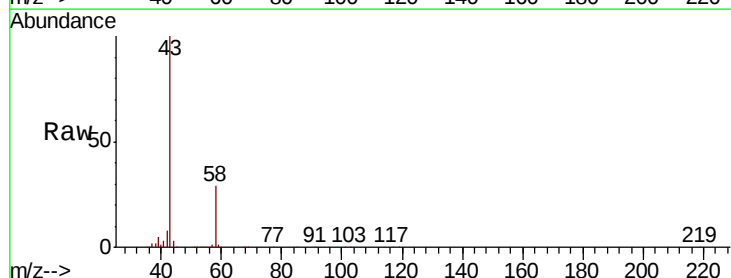
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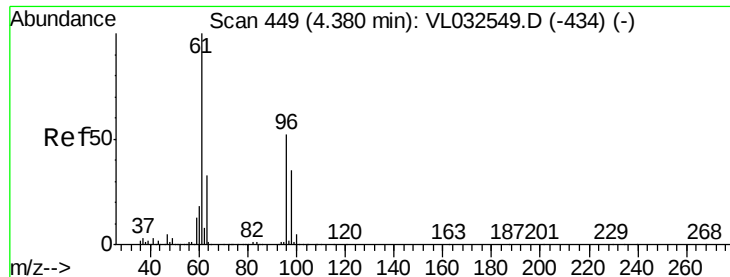
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#15
Acetone
Concen: 37.791 ppbv
RT: 3.91 min Scan# 304
Delta R.T. -0.02 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

Tgt Ion: 43 Resp: 4947986
Ion Ratio Lower Upper
43 100
58 31.1 22.6 33.8





#17

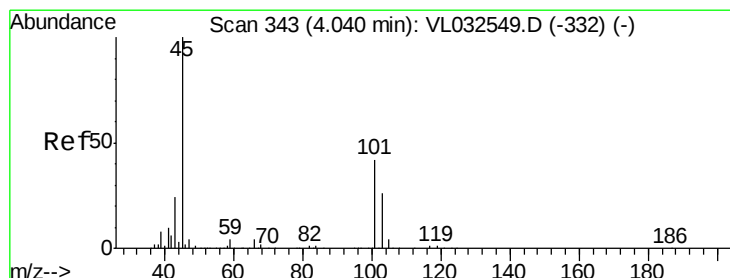
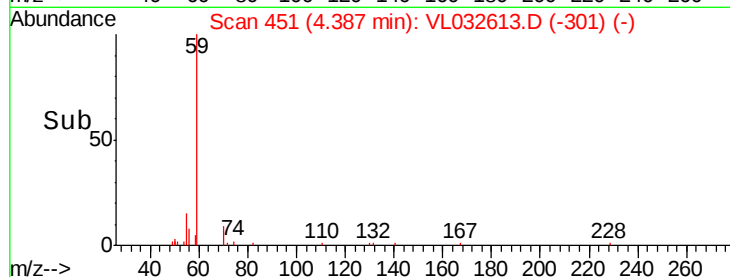
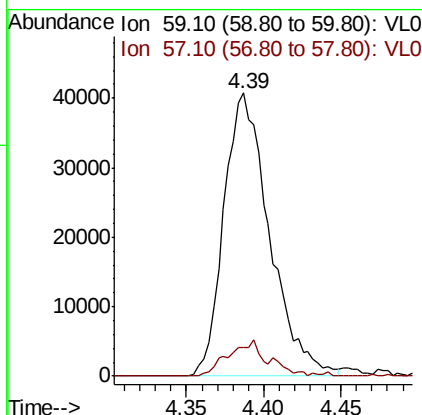
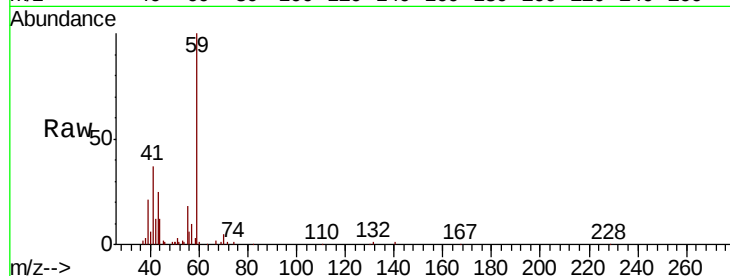
tert-Butyl alcohol
Concen: 5.063 ppbv
RT: 4.39 min Scan# 451
Delta R.T. -0.02 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.4	0.0	0.0#

Manual Integrations
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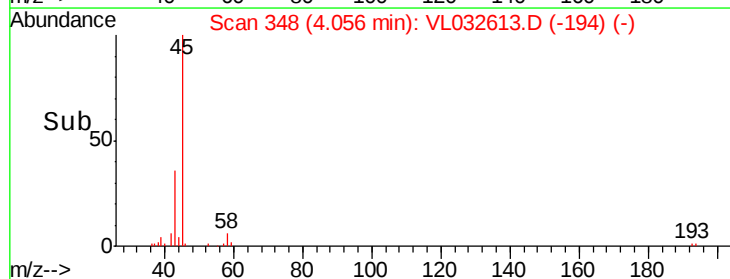
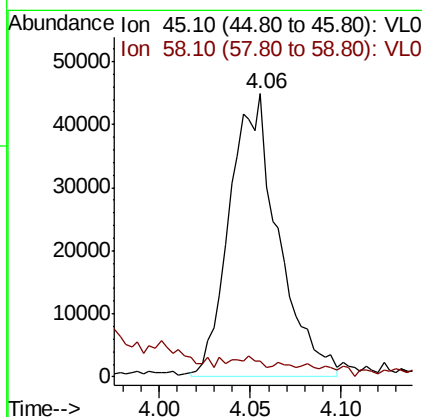
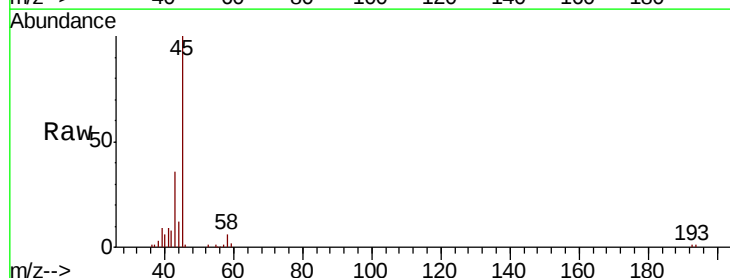
MMDadoda
10/12/2018 2:07:37 PM

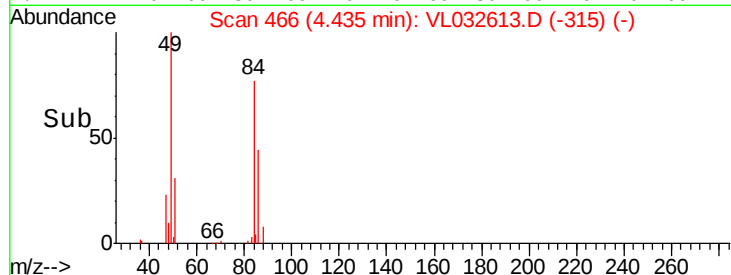
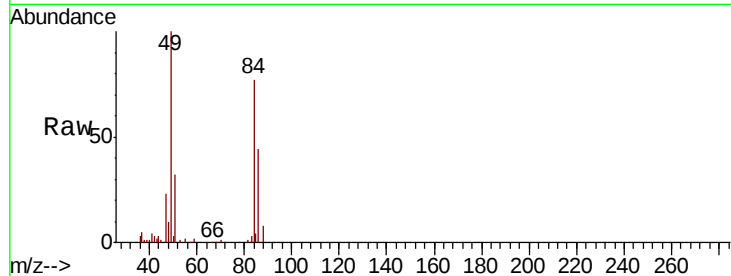
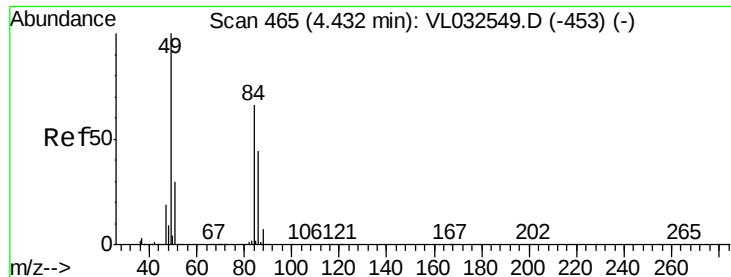


#19

Isopropyl Alcohol
Concen: 0.917 ppbv m
RT: 4.06 min Scan# 348
Delta R.T. -0.01 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

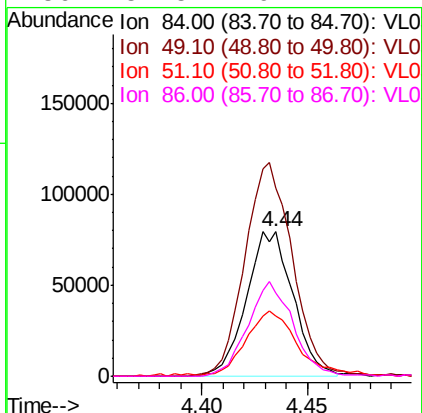
Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	2.0	3.0#





#20
Methvlene Chloride
Concen: 1.926 ppbv
RT: 4.44 min Scan# 466
Delta R.T. -0.01 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

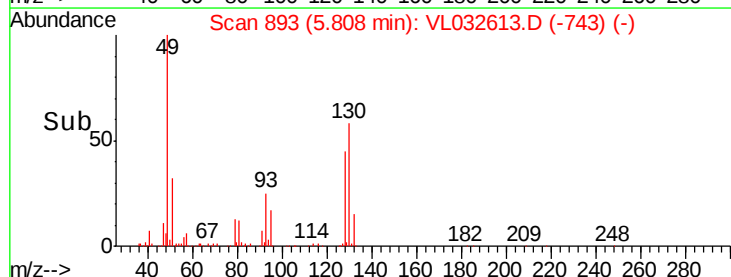
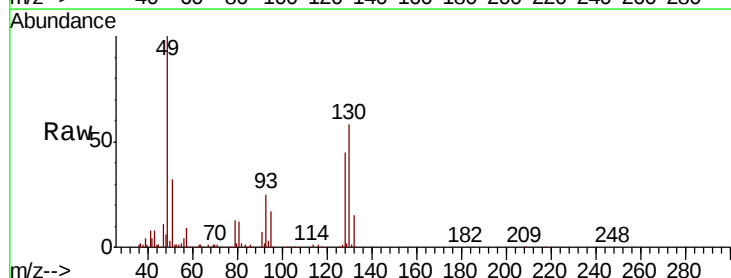
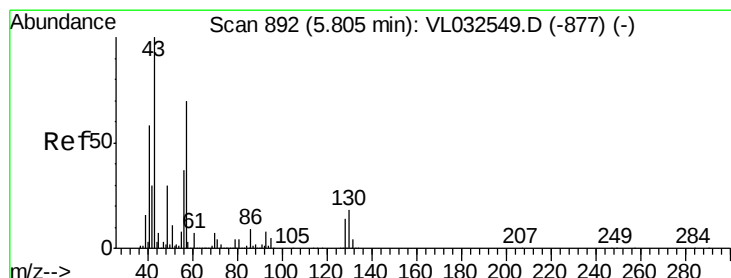
Tot Ion	Ion	Ratio	Lower	Upper
84	100			
49	130.4	119.1	178.7	
51	39.9	35.2	52.8	
86	57.5	49.4	74.2	



Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

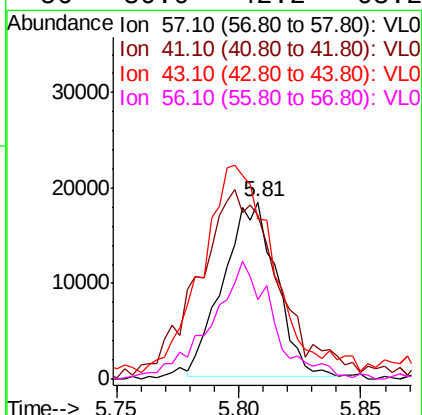
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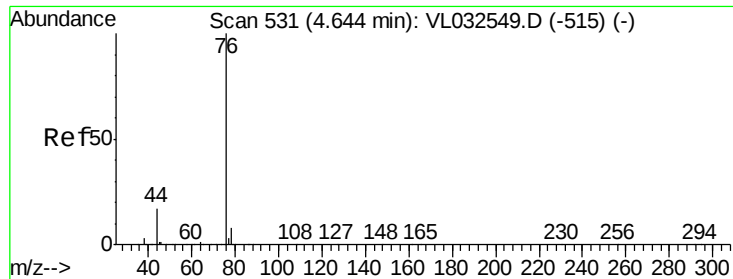
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#26
Hexane
Concen: 0.193 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

Tgt Ion	Ion	Ratio	Lower	Upper
57	100			
41	169.4	69.0	103.4#	
43	0.0	172.1	258.1#	
56	80.0	42.2	63.2#	





#27

Carbon Disulfide

Concen: 0.221 ppbv

RT: 4.64 min Scan# 530

Delta R.T. -0.02 min

Lab File: VL032613.D

Acq: 11 Oct 2018 20:46

Instrument :

MSVOA_L

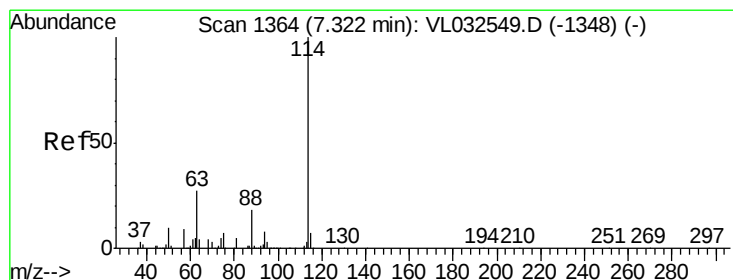
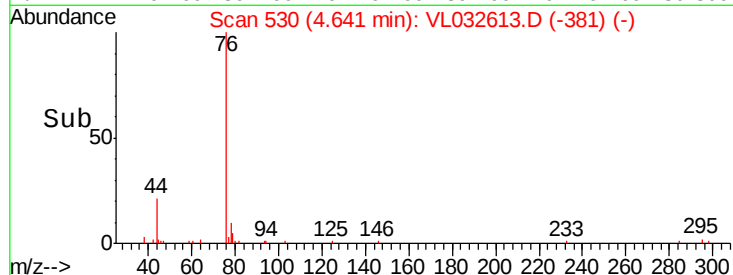
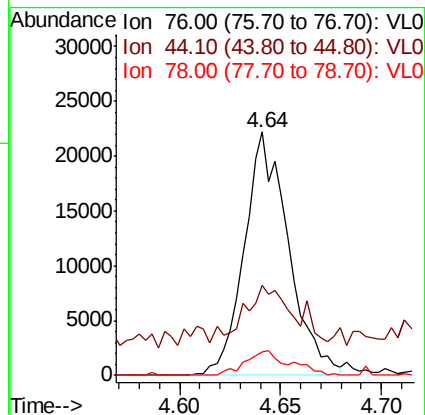
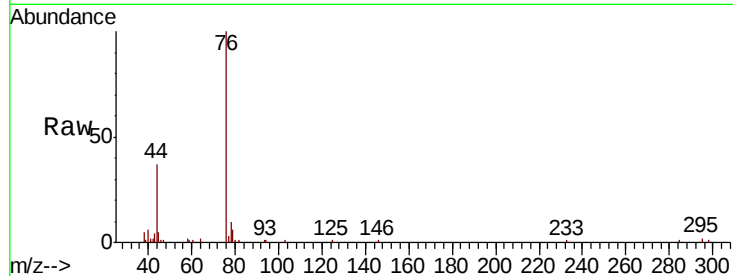
ClientSampleId :

Q1-SVI-100518DL

Tot Ion:	76	Resp:	34024
Ion Ratio	Lower	Upper	
76	100		
44	36.7	14.0	21.0#
78	10.8	7.5	11.3

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

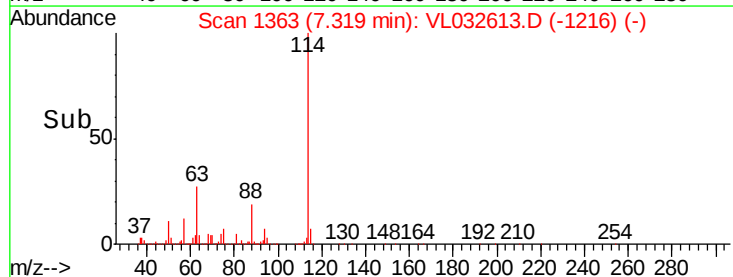
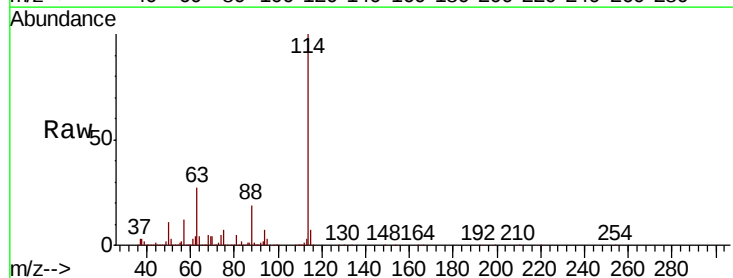
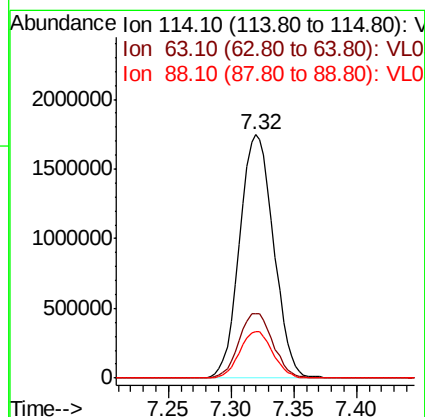
RT: 7.32 min Scan# 1363

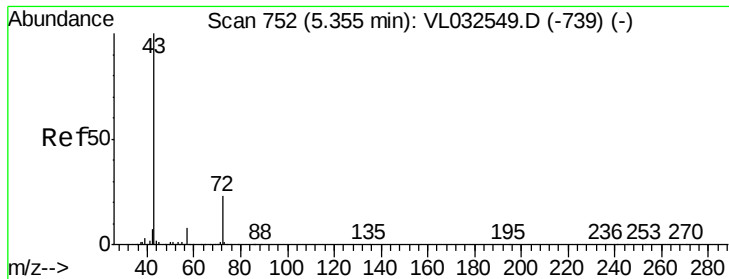
Delta R.T. -0.03 min

Lab File: VL032613.D

Acq: 11 Oct 2018 20:46

Tgt Ion:	114	Resp:	3291851
Ion Ratio	Lower	Upper	
114	100		
63	26.7	22.2	33.4
88	18.7	15.0	22.4





#34

2-Butanone

Concen: 11.376 ppbv

RT: 5.35 min Scan# 750

Delta R.T. -0.02 min

Lab File: VL032613.D

Acq: 11 Oct 2018 20:46

Instrument :

MSVOA_L

ClientSampleId :

Q1-SVI-100518DL

Tot Ion: 43 Resp: 2229980

Ion Ratio Lower Upper

43 100

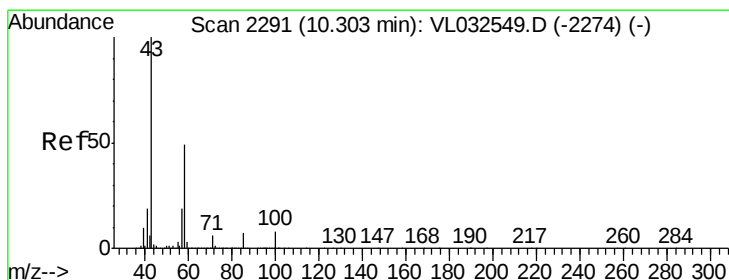
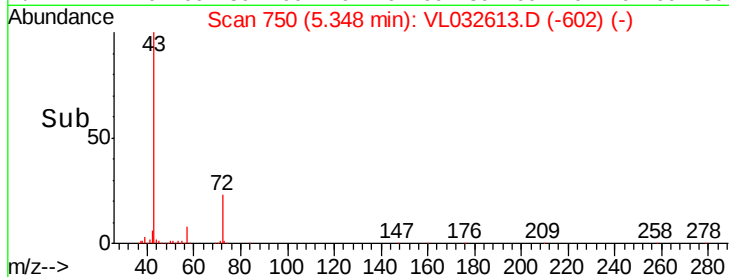
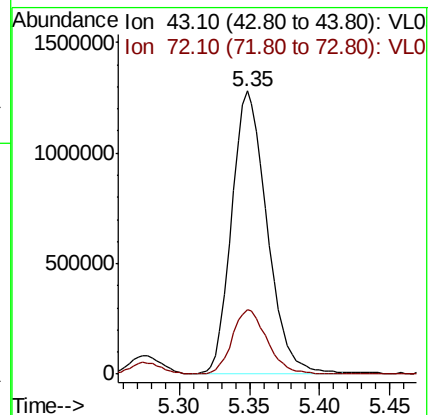
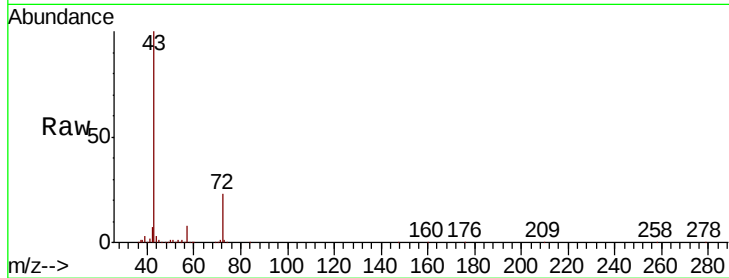
72 22.9 17.8 26.6

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#51

2-Hexanone

Concen: 1.205 ppbv

RT: 10.31 min Scan# 2293

Delta R.T. -0.02 min

Lab File: VL032613.D

Acq: 11 Oct 2018 20:46

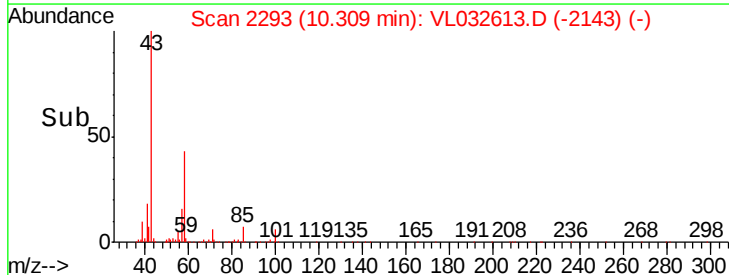
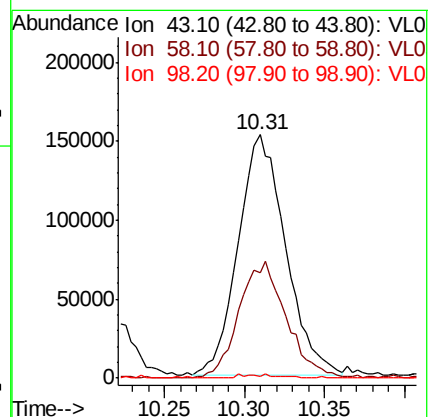
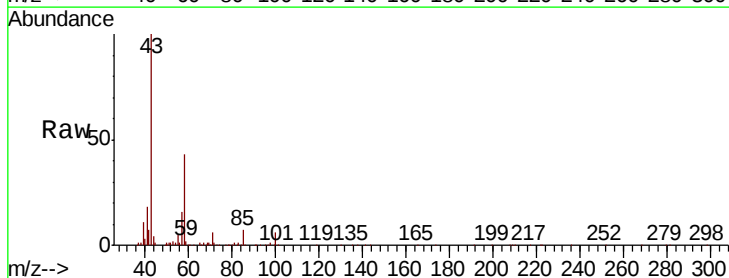
Tgt Ion: 43 Resp: 307103

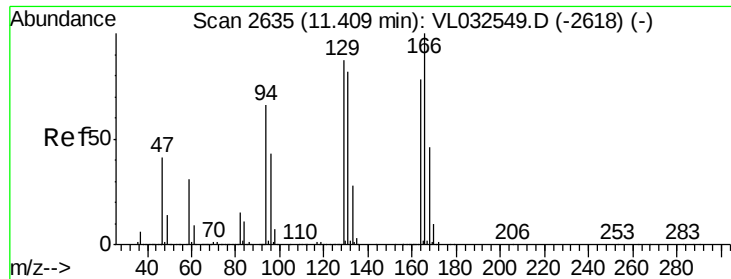
Ion Ratio Lower Upper

43 100

58 49.5 39.2 58.8

98 1.4 0.4 0.6#





#52

Tetrachloroethene

Concen: 0.098 ppbv m

RT: 11.41 min Scan# 2634

Delta R.T. -0.02 min

Lab File: VL032613.D

Acq: 11 Oct 2018 20:46

Instrument :

MSVOA_L

ClientSampleId :

Q1-SVI-100518DL

Tot Ion:164 Resp: 9040

Ion Ratio Lower Upper

164 100

166 94.1 100.6 150.8#

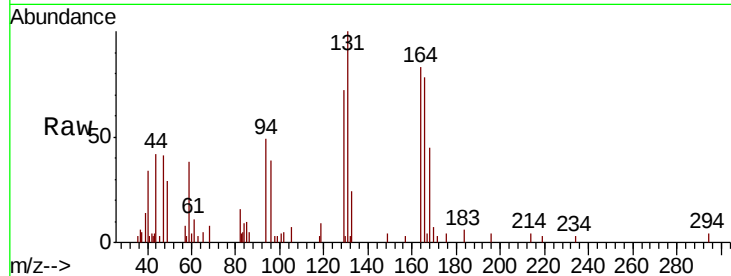
129 86.5 89.9 134.9#

131 120.4 85.9 128.9

Manual Integrations
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MMDadoda

10/12/2018 2:07:37 PM

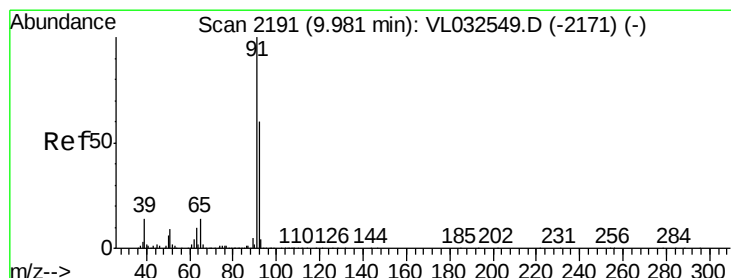
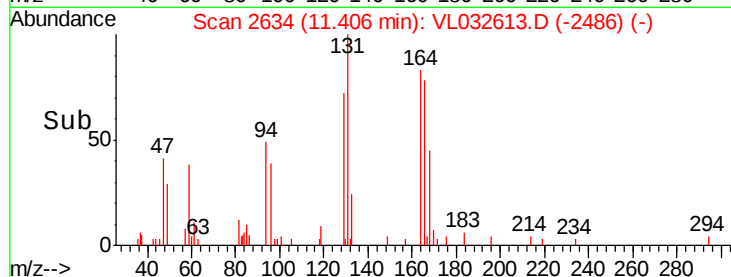
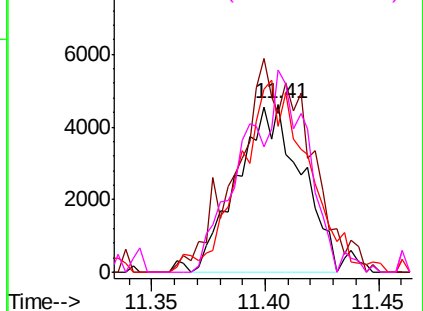


Abundance Ion 163.90 (163.60 to 164.60): V

Ion 165.90 (165.60 to 166.60): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V



#53

Toluene

Concen: 0.294 ppbv m

RT: 9.97 min Scan# 2188

Delta R.T. -0.03 min

Lab File: VL032613.D

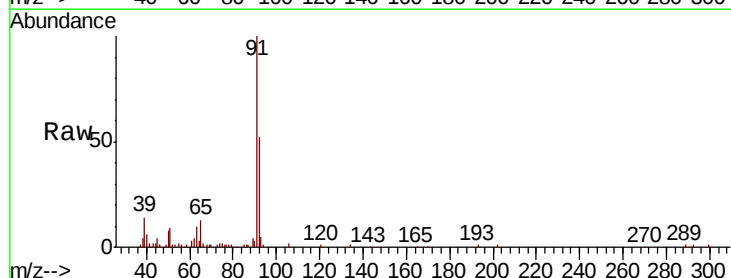
Acq: 11 Oct 2018 20:46

Tgt Ion: 91 Resp: 95259

Ion Ratio Lower Upper

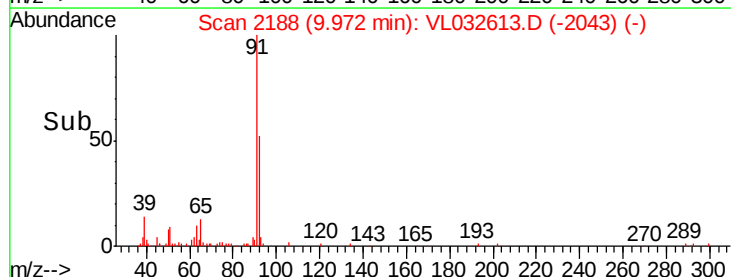
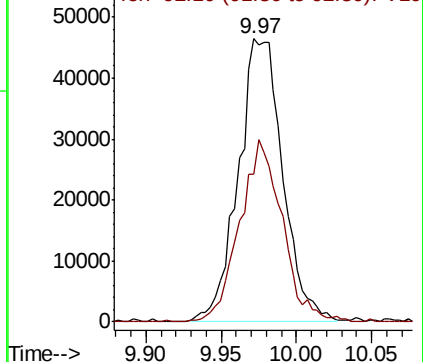
91 100

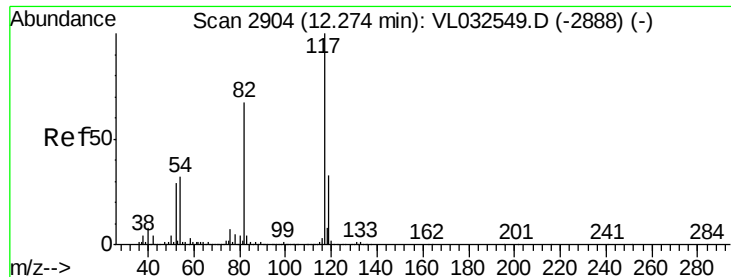
92 0.0 48.1 72.1#



Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0





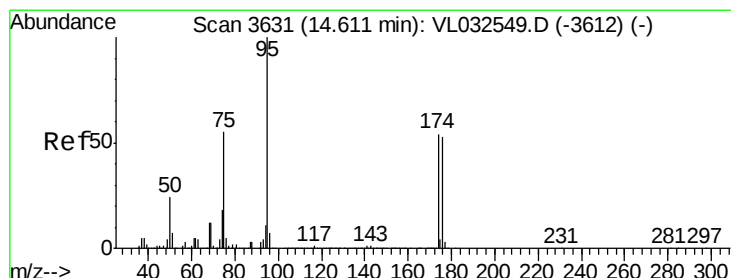
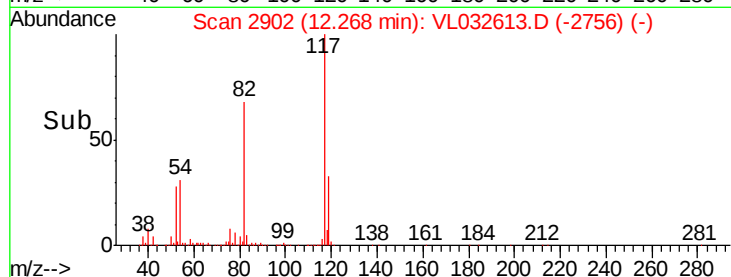
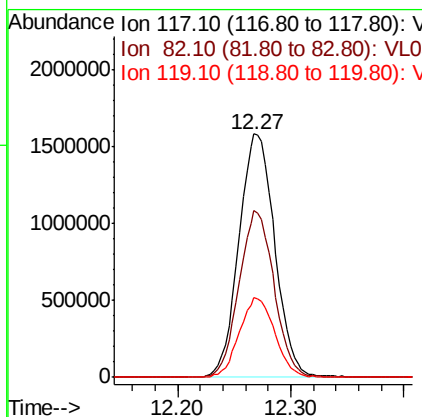
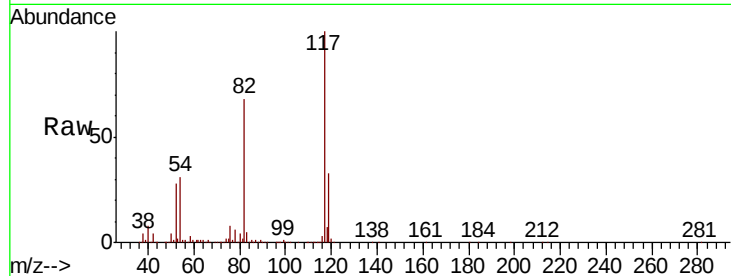
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2902
Delta R.T. -0.03 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

Instrument :
MSVOA_L
ClientSampleId :
Q1-SVI-100518DL

Tot Ion:117 Resp: 3492455
Ion Ratio Lower Upper
117 100
82 67.4 53.0 79.6
119 32.7 45.9 68.9#

Manual Integrations
APPROVED

MMDadoda
10/12/2018 2:07:37 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.535 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032613.D
Acq: 11 Oct 2018 20:46

Tgt Ion: 95 Resp: 2511260
Ion Ratio Lower Upper
95 100
174 57.8 46.3 69.5
175 4.3 3.4 5.0

