

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032891.D
 Acq On : 5 Dec 2018 00:39
 Operator : SY/AP
 Sample : J6176-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-07DL

Manual Integrations
 APPROVED

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 12/10/2018 1:01:20 PM

Quant Time: Dec 05 15:36:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov 14 07:00:23 2018
 QLast Update : Wed Nov 14 07:00:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.77	49	1481182	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3656934	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	3681108	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2623053	9.53	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	95.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.01	51	51014	0.434	ppbv	97
9) Propene	3.04	41	680464	14.480	ppbv	94
13) Ethanol	3.66	45	68519m	4.452	ppbv	
15) Acetone	3.91	43	446390	3.300	ppbv	95
26) Hexane	5.79	57	206132	1.469	ppbv #	43
27) Carbon Disulfide	4.63	76	93690m	0.526	ppbv	
30) Cyclohexane	7.25	84	33445m	0.272	ppbv	
34) 2-Butanone	5.34	43	271698	1.432	ppbv	99
36) Benzene	7.01	78	326803	1.122	ppbv	97
41) Tetrahydrofuran	6.17	42	134687	1.238	ppbv	98
44) 2,2,4-Trimethylpentane	7.99	57	148032	0.304	ppbv #	75
53) Toluene	9.95	91	311330	1.025	ppbv	100
59) m/p-Xylene	13.13	91	49908m	0.127	ppbv	

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

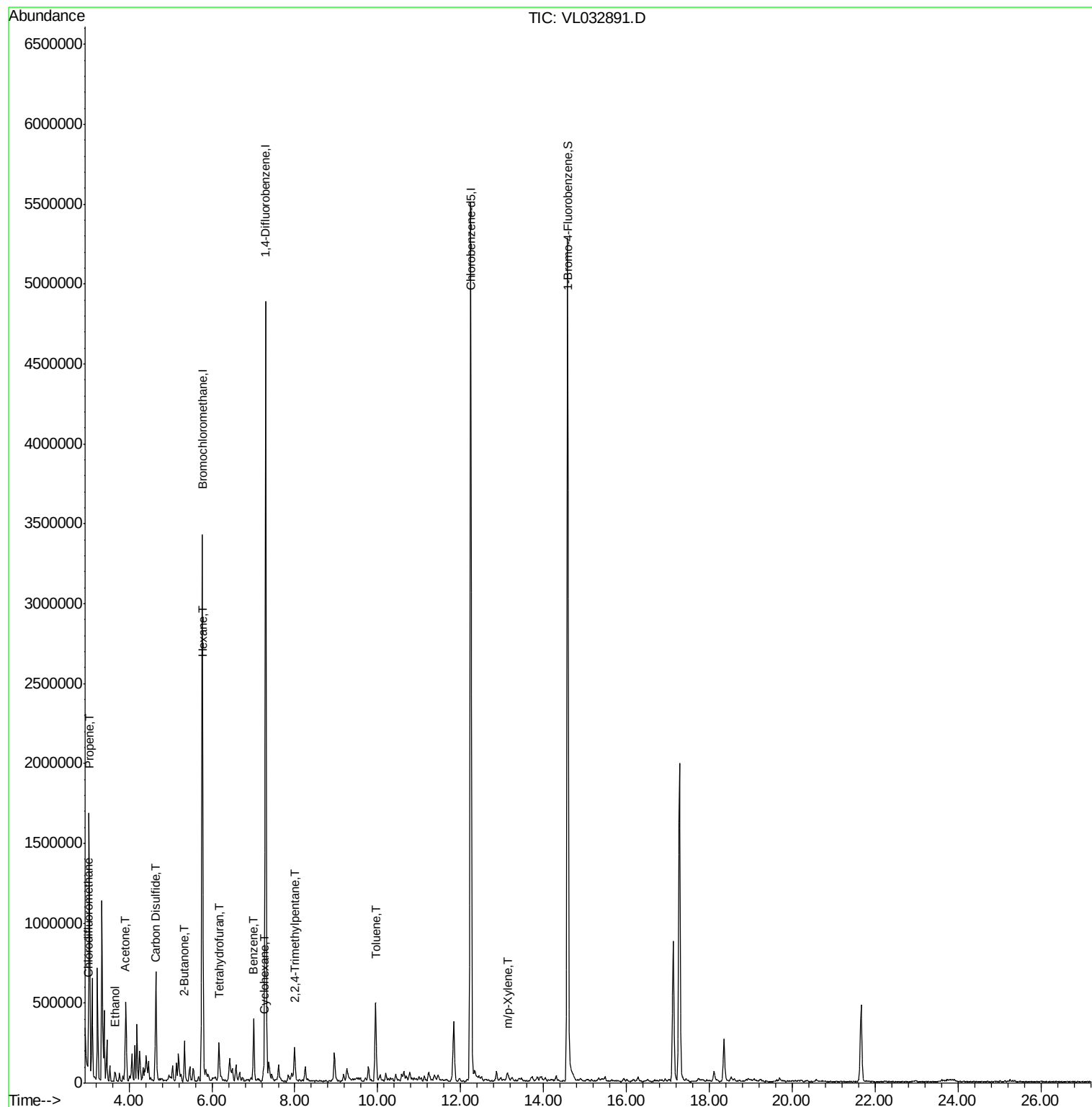
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120418\
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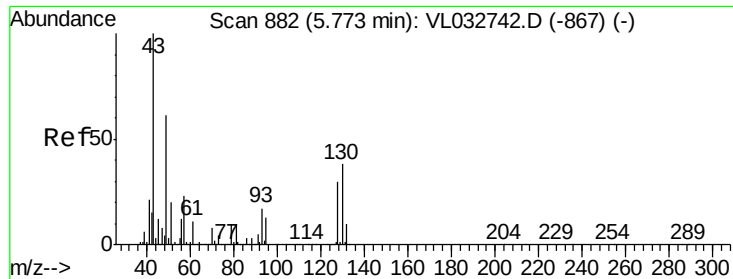
Instrument :
MSVOA_L
ClientSampleId :
MMSV-07DL

Manual Integrations
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12/10/2018 1:01:20 PM

Quant Time: Dec 05 15:36:46 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL111418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Nov
QLast Update : Wed Nov 14 07:00:23 2018
Response via : Initial Calibration





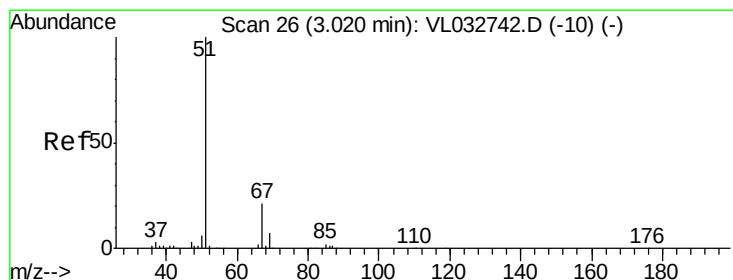
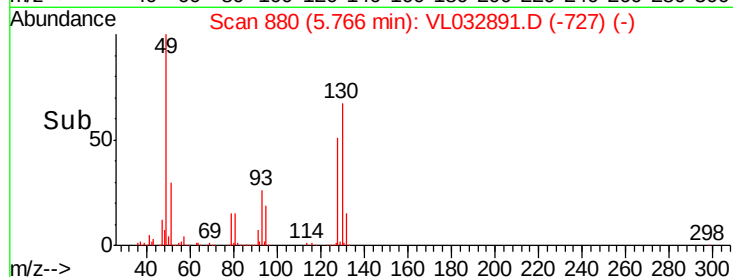
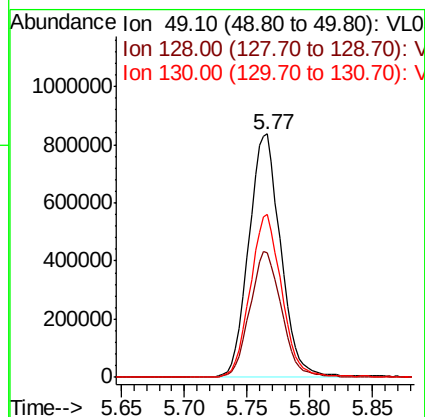
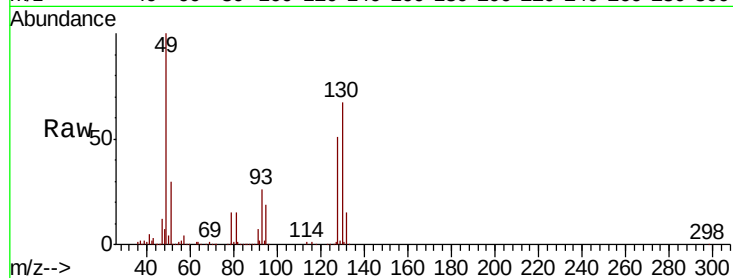
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Bromochloromethane
Concen: 10.000 ppbv
RT: 5.77 min Scan# 880
Delta R.T. -0.01 min
Lab File: VL032891.D
Acq: 5 Dec 2018 00:39

Instrument :
MSVOA_L
ClientSampleId :
MMSV-07DL

Tot Ion: 49 Resp: 1481182
Ion Ratio Lower Upper
49 100
128 51.1 24.9 74.6
130 66.9 31.4 94.2

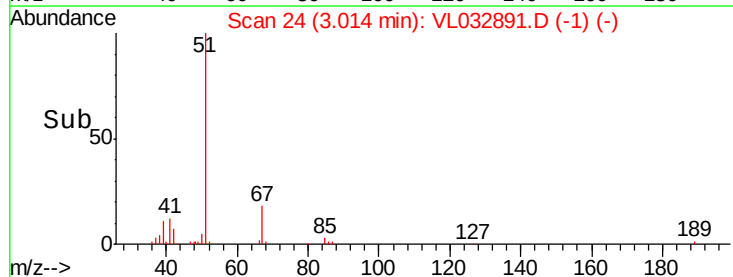
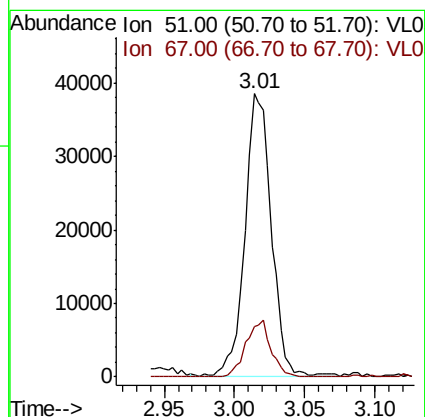
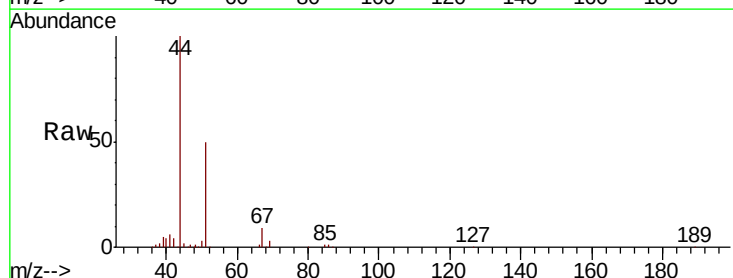
Manual Integrations
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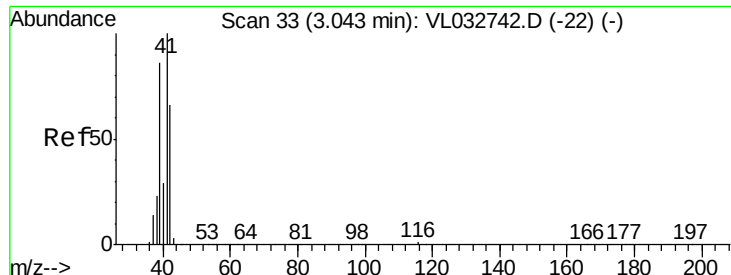
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#3
Chlorodifluoromethane
Concen: 0.434 ppbv
RT: 3.01 min Scan# 24
Delta R.T. -0.01 min
Lab File: VL032891.D
Acq: 5 Dec 2018 00:39

Tgt Ion: 51 Resp: 51014
Ion Ratio Lower Upper
51 100
67 18.8 16.1 24.1





#9

Propene

Concen: 14.480 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032891.D

Acq: 5 Dec 2018 00:39

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07DL

Tot Ion: 41 Resp: 680464

Ion Ratio Lower Upper

41 100

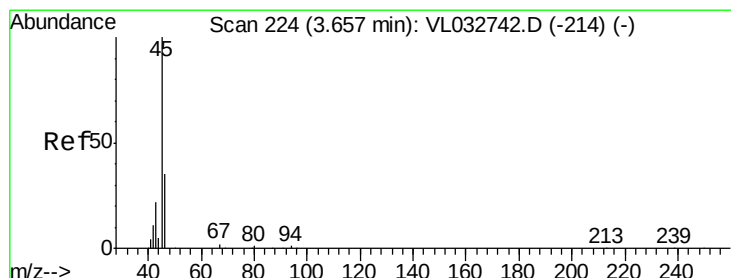
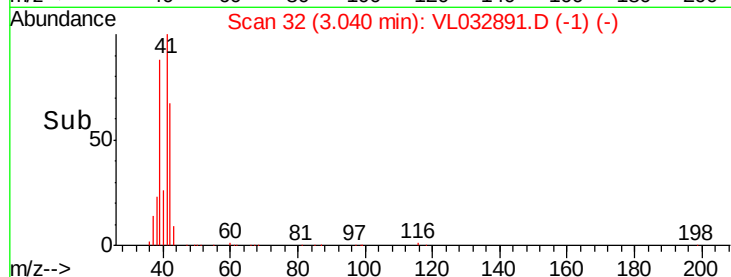
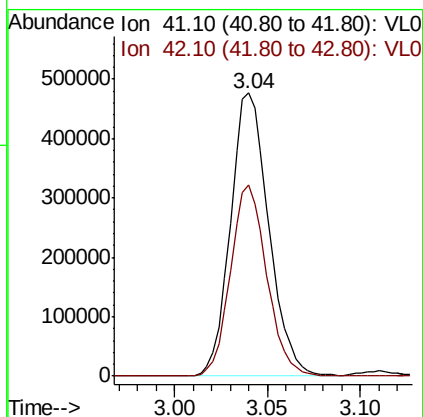
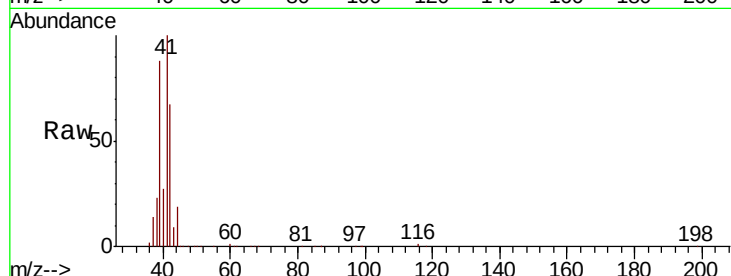
42 64.3 55.0 82.6

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#13

Ethanol

Concen: 4.452 ppbv m

RT: 3.66 min Scan# 225

Delta R.T. 0.00 min

Lab File: VL032891.D

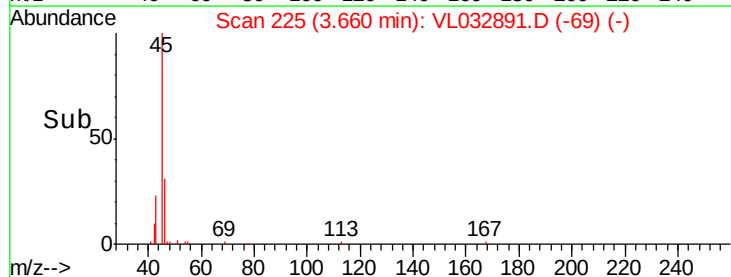
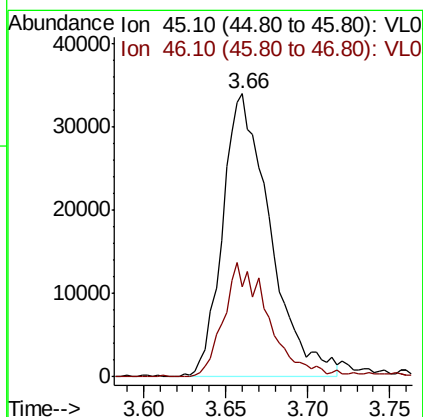
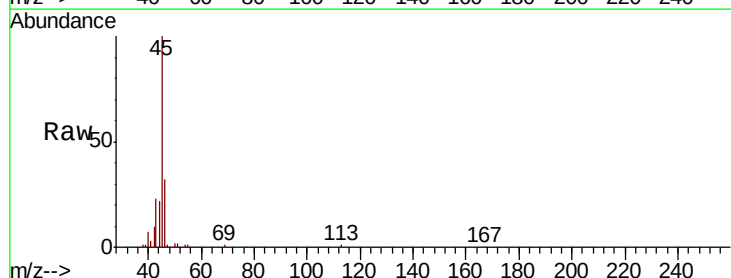
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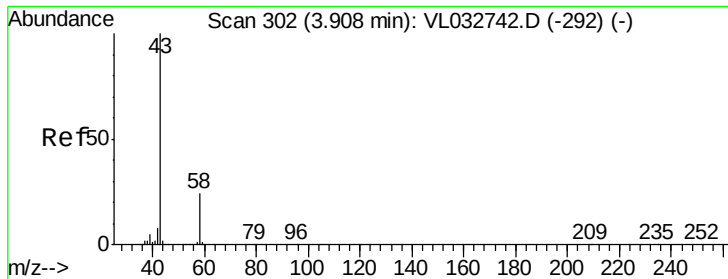
Tgt Ion: 45 Resp: 68519

Ion Ratio Lower Upper

45 100

46 37.8 14.5 57.9





#15

Acetone

Concen: 3.300 ppbv

RT: 3.91 min Scan# 302

Delta R.T. -0.00 min

Lab File: VL032891.D

Acq: 5 Dec 2018 00:39

Instrument :

MSVOA_L

ClientSampled :

MMSV-07DL

Tot Ion: 43 Resp: 446390

Ion Ratio Lower Upper

43 100

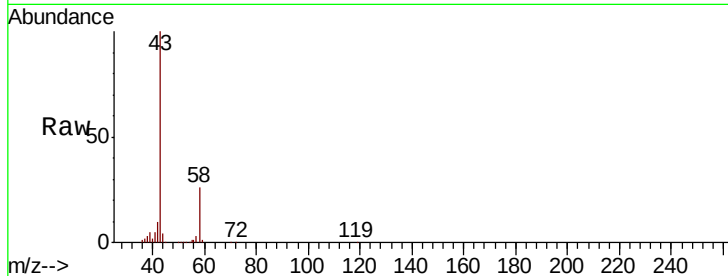
58 23.6 21.1 31.7

Manual Integrations

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

250000

200000

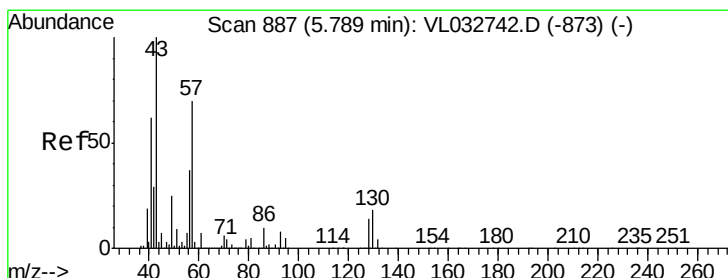
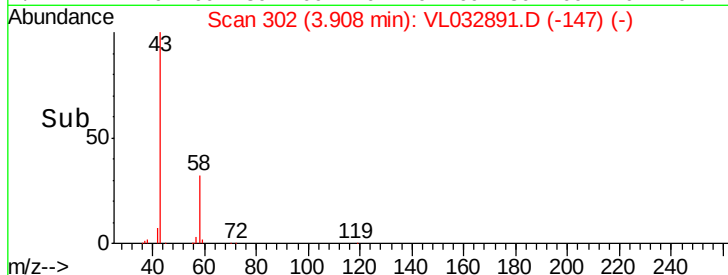
150000

100000

50000

0

Time-->



#26

Hexane

Concen: 1.469 ppbv

RT: 5.79 min Scan# 886

Delta R.T. -0.00 min

Lab File: VL032891.D

Acq: 5 Dec 2018 00:39

Tgt Ion: 57 Resp: 206132

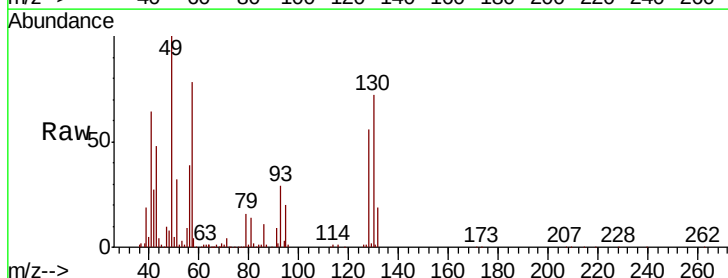
Ion Ratio Lower Upper

57 100

41 93.8 70.3 105.5

43 72.5 174.0 261.0#

56 55.2 42.3 63.5



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

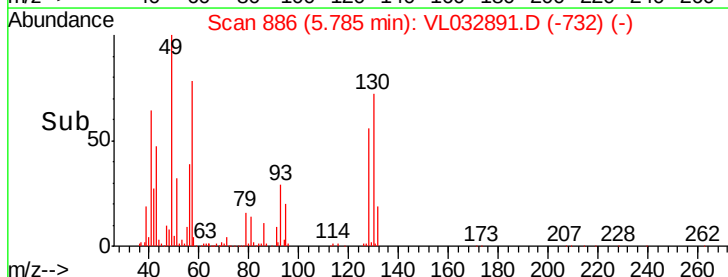
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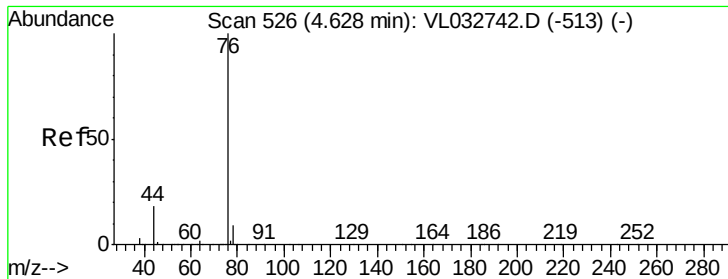
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50000

0

Time-->





#27

Carbon Disulfide

Concen: 0.526 ppbv m

RT: 4.63 min Scan# 526

Delta R.T. -0.00 min

Lab File: VL032891.D

Acq: 5 Dec 2018 00:39

Instrument :

MSVOA_L

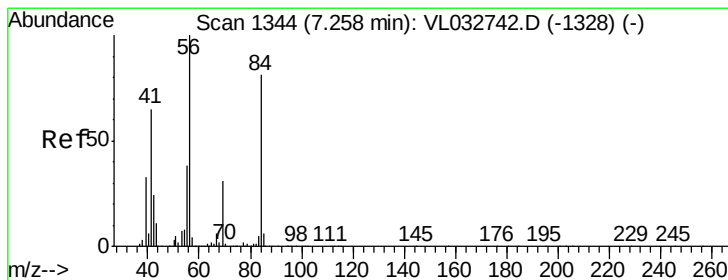
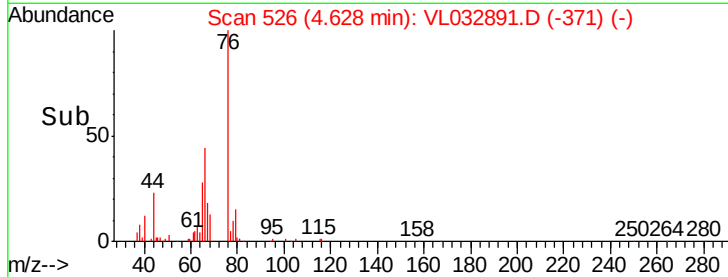
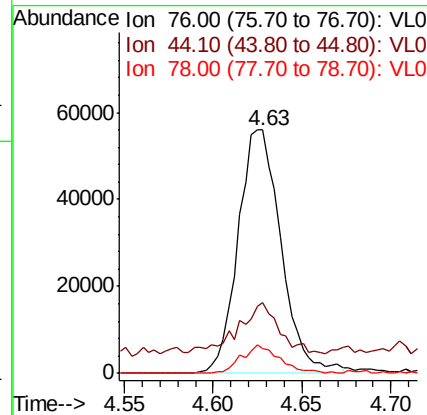
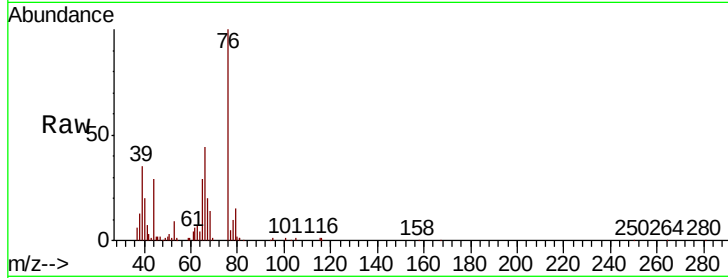
ClientSampleId :

MMSV-07DL

Tot Ion:	76	Resp:	93690
Ion	Ratio	Lower	Upper
76	100		
44	24.4	14.4	21.6#
78	10.6	7.7	11.5

Manual Integrations
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#30

Cyclohexane

Concen: 0.272 ppbv m

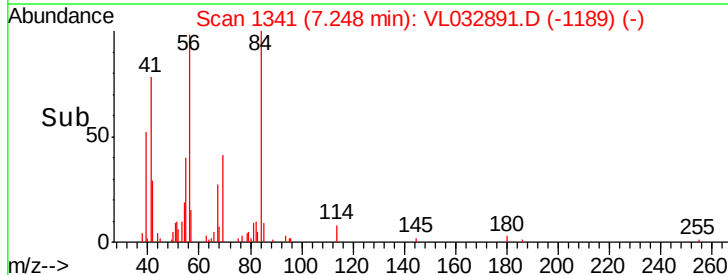
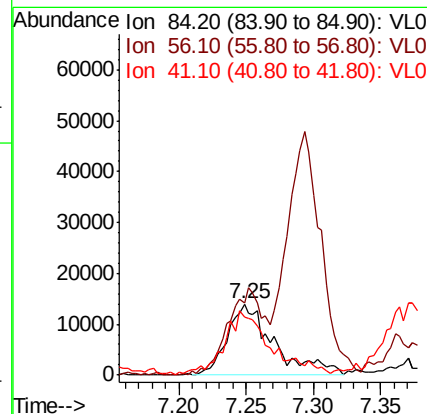
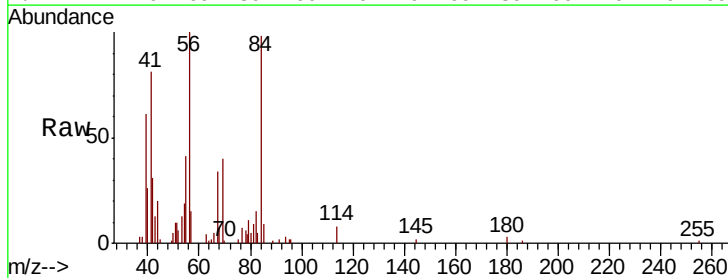
RT: 7.25 min Scan# 1341

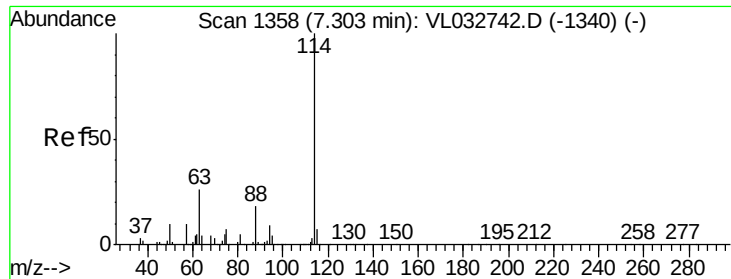
Delta R.T. -0.01 min

Lab File: VL032891.D

Acq: 5 Dec 2018 00:39

Tgt Ion:	84	Resp:	33445
Ion	Ratio	Lower	Upper
84	100		
56	82.8	105.0	157.4#
41	86.7	65.3	97.9





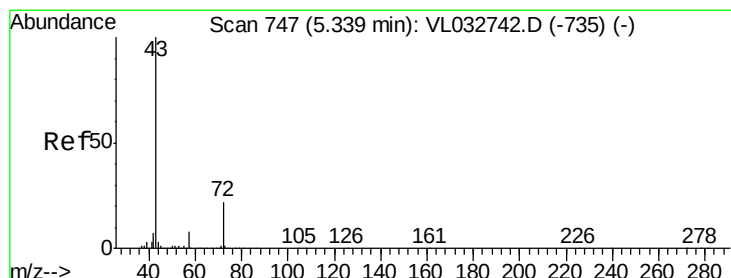
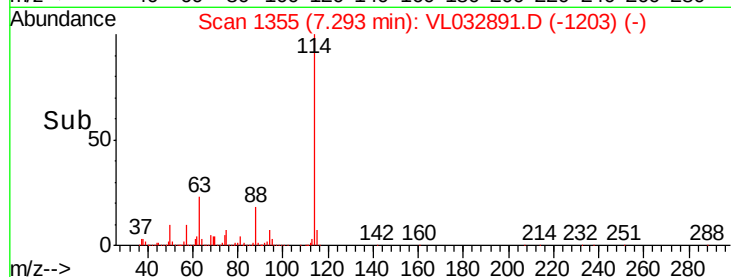
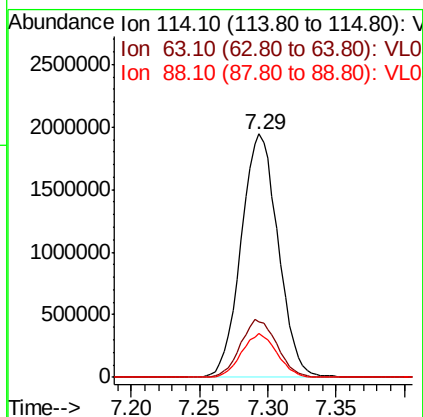
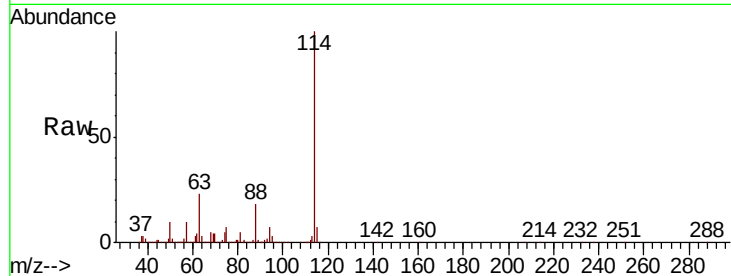
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.29 min Scan# 1355
 Delta R.T. -0.01 min
 Lab File: VL032891.D
 Acq: 5 Dec 2018 00:39

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-07DL

Tot Ion:114 Resp: 3656934
 Ion Ratio Lower Upper
 114 100
 63 23.5 20.9 31.3
 88 17.4 14.4 21.6

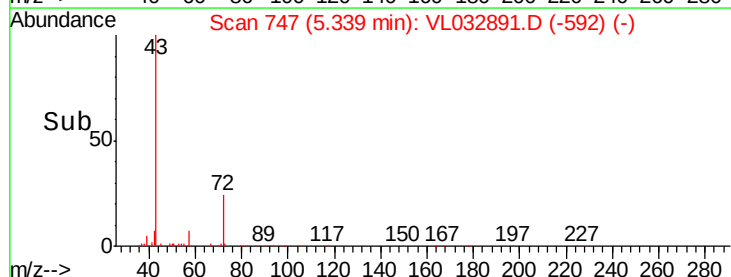
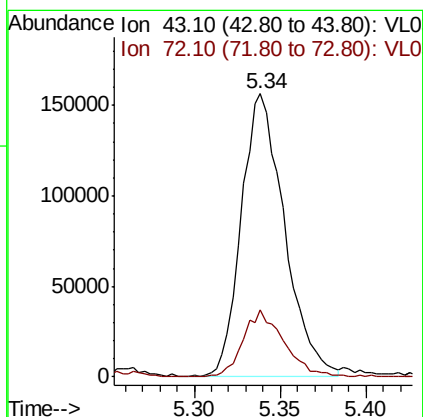
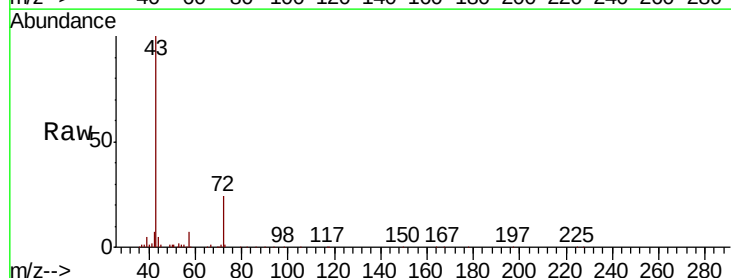
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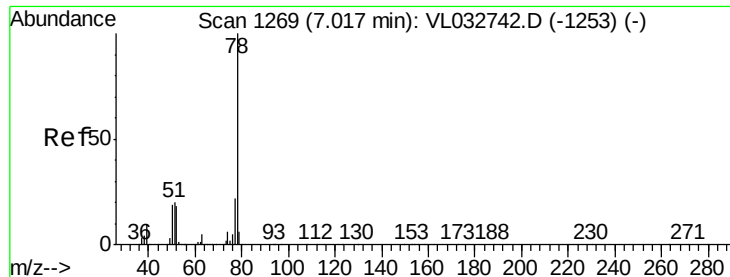
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#34
 2-Butanone
 Concen: 1.432 ppbv
 RT: 5.34 min Scan# 747
 Delta R.T. -0.00 min
 Lab File: VL032891.D
 Acq: 5 Dec 2018 00:39

Tgt Ion: 43 Resp: 271698
 Ion Ratio Lower Upper
 43 100
 72 22.5 18.4 27.6





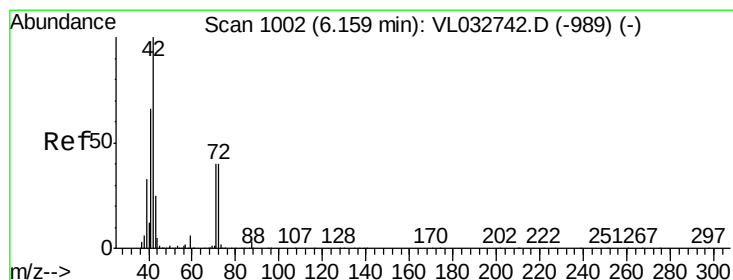
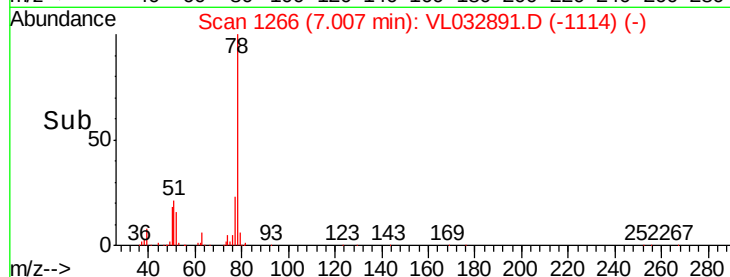
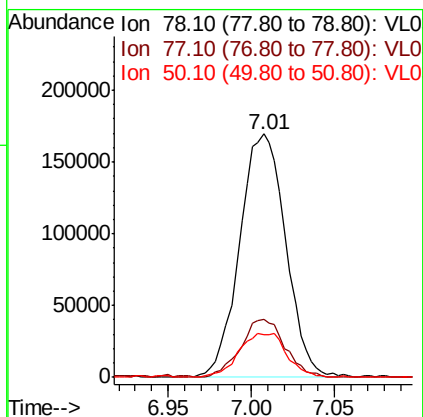
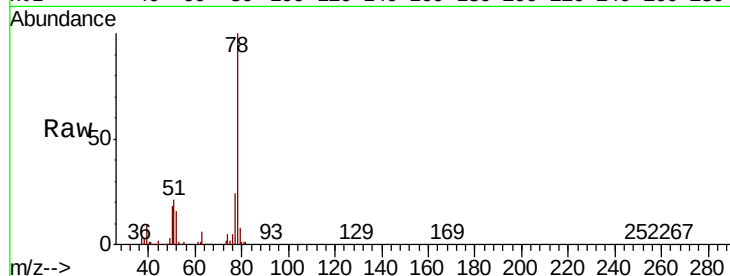
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Benzene
Concen: 1.122 ppbv
RT: 7.01 min Scan# 1266
Delta R.T. -0.01 min
Lab File: VL032891.D
Acq: 5 Dec 2018 00:39

Instrument :
MSVOA_L
ClientSampleId :
MMSV-07DL

Tot Ion	Ratio	Lower	Upper
78	100		
77	23.2	17.8	26.8
50	17.5	15.4	23.0

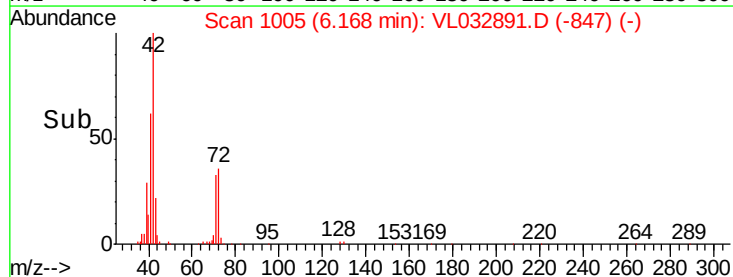
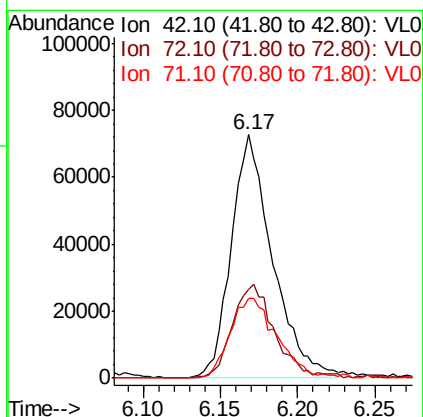
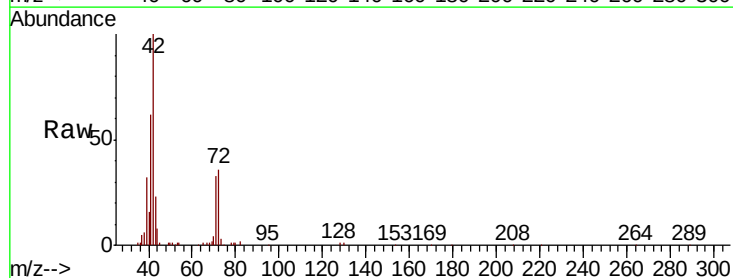
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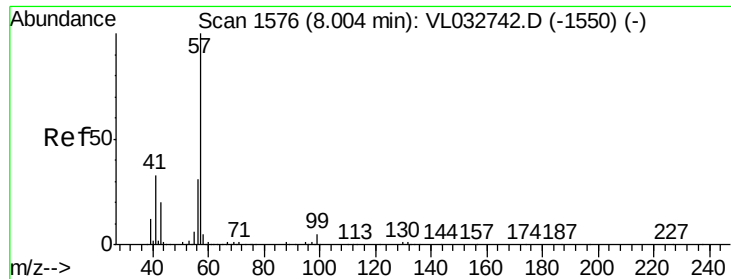
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12/10/2018 1:01:20 PM



#41
Tetrahydrofuran
Concen: 1.238 ppbv
RT: 6.17 min Scan# 1005
Delta R.T. 0.01 min
Lab File: VL032891.D
Acq: 5 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
42	100		
72	39.7	32.4	48.6
71	37.7	31.6	47.4





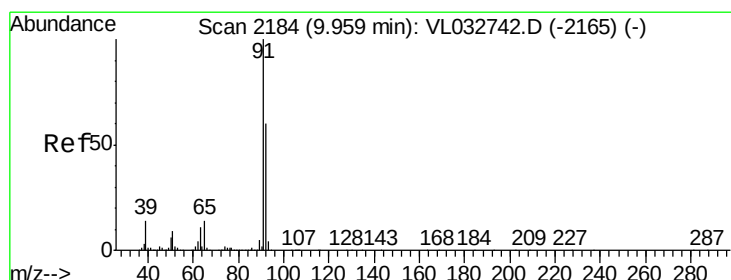
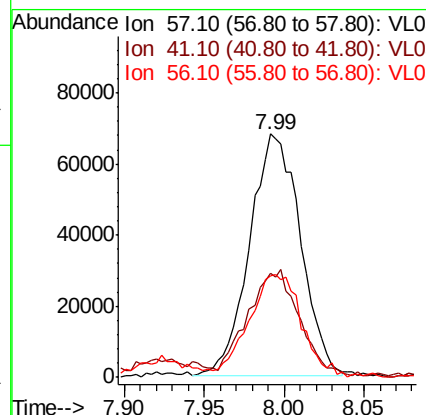
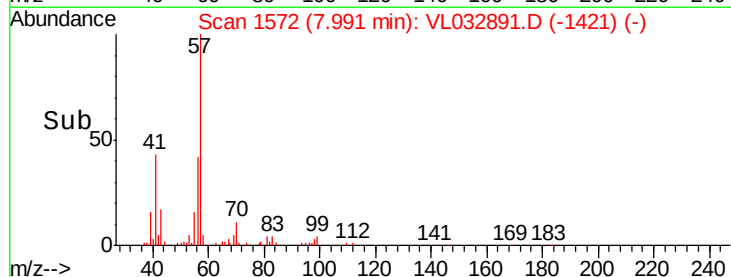
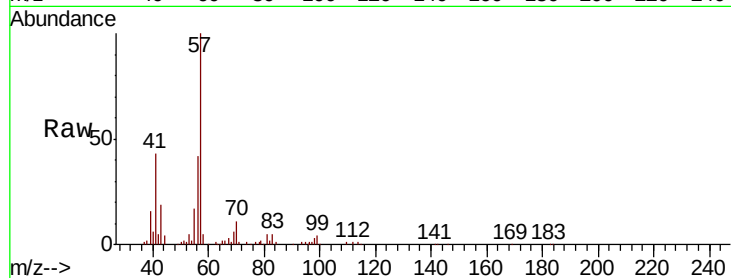
#44
 2,2,4-Trimethylpentane
 Concen: 0.304 ppbv
 RT: 7.99 min Scan# 1572
 Delta R.T. -0.01 min
 Lab File: VL032891.D
 Acq: 5 Dec 2018 00:39

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-07DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	46.5	26.6	39.8#
56	45.1	24.8	37.2#

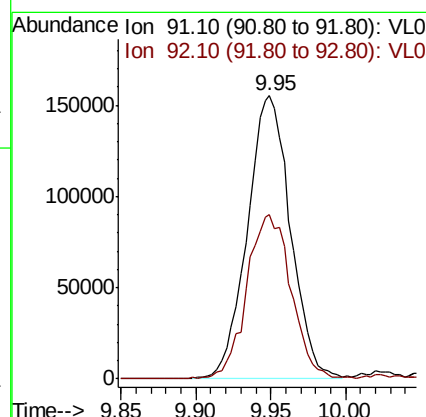
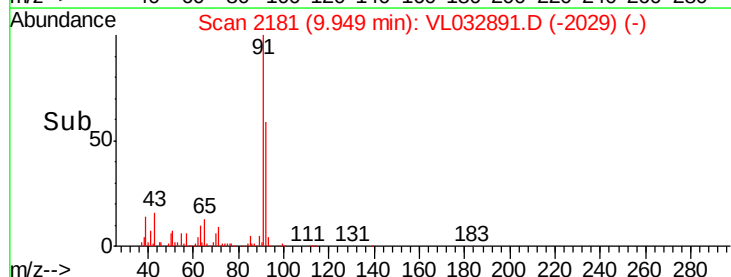
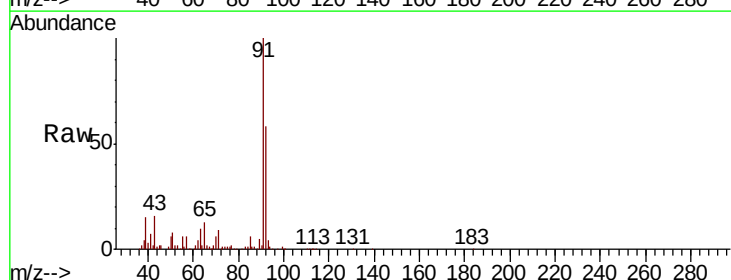
Manual Integrations
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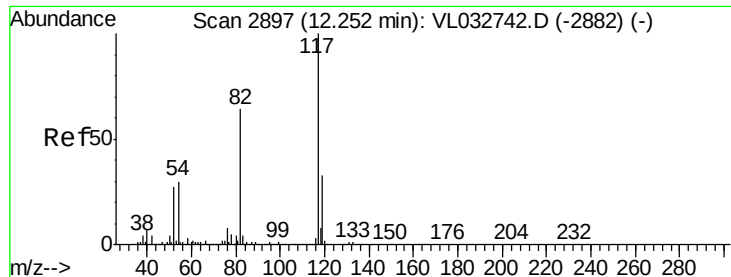
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 12/10/2018 1:01:20 PM



#53
 Toluene
 Concen: 1.025 ppbv
 RT: 9.95 min Scan# 2181
 Delta R.T. -0.01 min
 Lab File: VL032891.D
 Acq: 5 Dec 2018 00:39

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.6	47.9	71.9





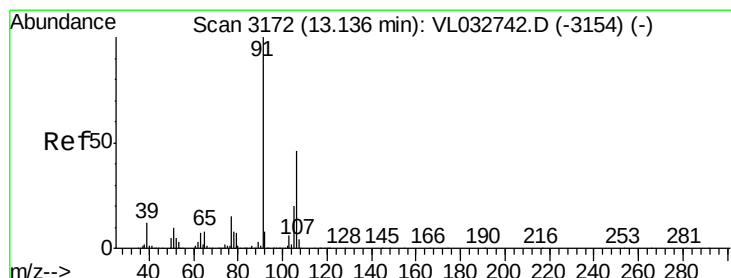
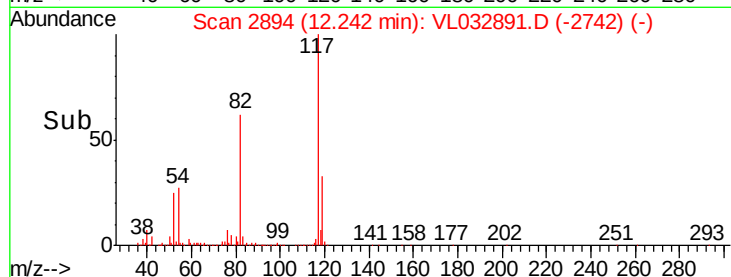
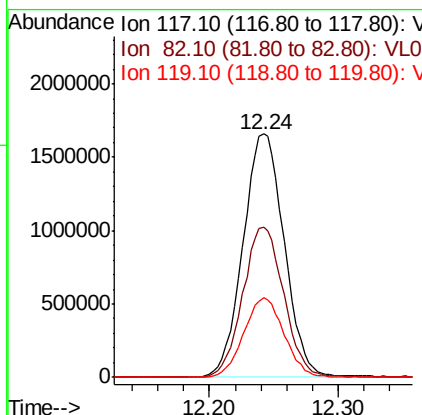
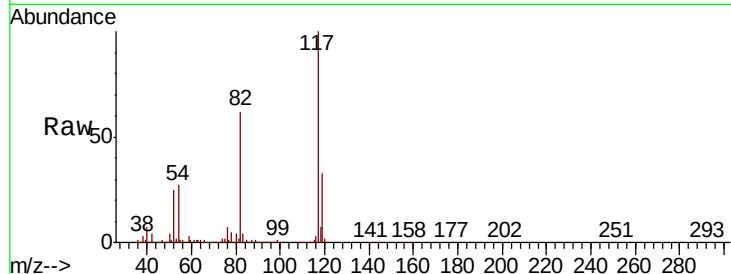
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.24 min Scan# 2894
Delta R.T. -0.01 min
Lab File: VL032891.D
Acq: 5 Dec 2018 00:39

Instrument :
MSVOA_L
ClientSampleId :
MMSV-07DL

Tot Ion:117 Resp: 3681108
Ion Ratio Lower Upper
117 100
82 61.5 51.0 76.6
119 32.4 28.0 42.0

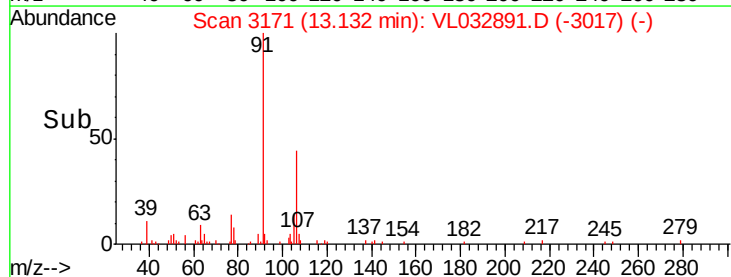
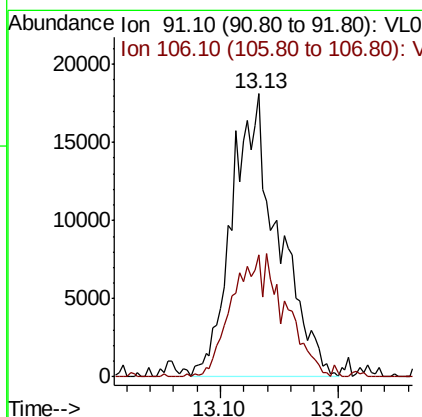
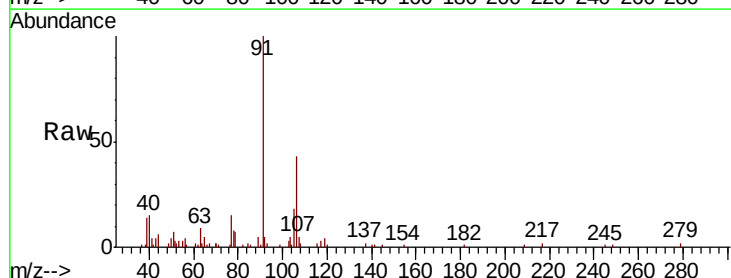
Manual Integrations
APPROVED

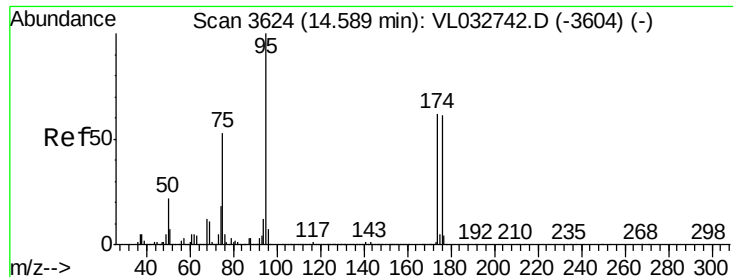
MMDadoda
12/10/2018 1:01:20 PM



#59
m/p-Xylene
Concen: 0.127 ppbv m
RT: 13.13 min Scan# 3171
Delta R.T. -0.00 min
Lab File: VL032891.D
Acq: 5 Dec 2018 00:39

Tgt Ion: 91 Resp: 49908
Ion Ratio Lower Upper
91 100
106 0.0 36.1 54.1#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.527 ppbv

RT: 14.58 min Scan# 3621

Delta R.T. -0.01 min

Lab File: VL032891.D

Acq: 5 Dec 2018 00:39

Instrument :

MSVOA_L

ClientSampleId :

MMSV-07DL

Tot Ion: 95 Resp: 2623053

Ion Ratio Lower Upper

95 100

174 67.2 50.7 76.1

175 5.1 3.8 5.6

Manual Integrations

APPROVED

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12/10/2018 1:01:20 PM

