

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL120418\
 Data File : VL032881.D
 Acq On : 4 Dec 2018 18:04
 Operator : SY/AP
 Sample : J6175-02DL DUP 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MMSV-02DL DUP

Manual Integrations
 APPROVED

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 12/10/2018 1:00:06 PM

Quant Time: Dec 05 15:13:01 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 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	1466661	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	3670621	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.25	117	3708381	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	2704268	9.75	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.04	41	140876	3.027	ppbv	95
13) Ethanol	3.67	45	24980m	1.639	ppbv	
15) Acetone	3.91	43	319638	2.386	ppbv #	84
27) Carbon Disulfide	4.62	76	102879	0.584	ppbv #	77
34) 2-Butanone	5.34	43	1209671	6.354	ppbv	99
36) Benzene	7.01	78	1481221	5.068	ppbv	98
51) 2-Hexanone	10.30	43	80401	0.420	ppbv #	97
53) Toluene	9.95	91	1155555	3.789	ppbv	99
58) Ethyl Benzene	12.88	91	138699m	0.311	ppbv	
59) m/p-Xylene	13.12	91	476333	1.199	ppbv	99
60) o-Xylene	13.85	91	426813	1.068	ppbv	96
61) Styrene	13.69	104	31187	0.120	ppbv	98
73) 1,3,5-Trimethylbenzene	16.17	105	75135	0.176	ppbv	97
74) 1,2,4-Trimethylbenzene	16.93	105	229418	0.501	ppbv #	70
79) Naphthalene	22.42	128	37891m	0.126	ppbv	

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

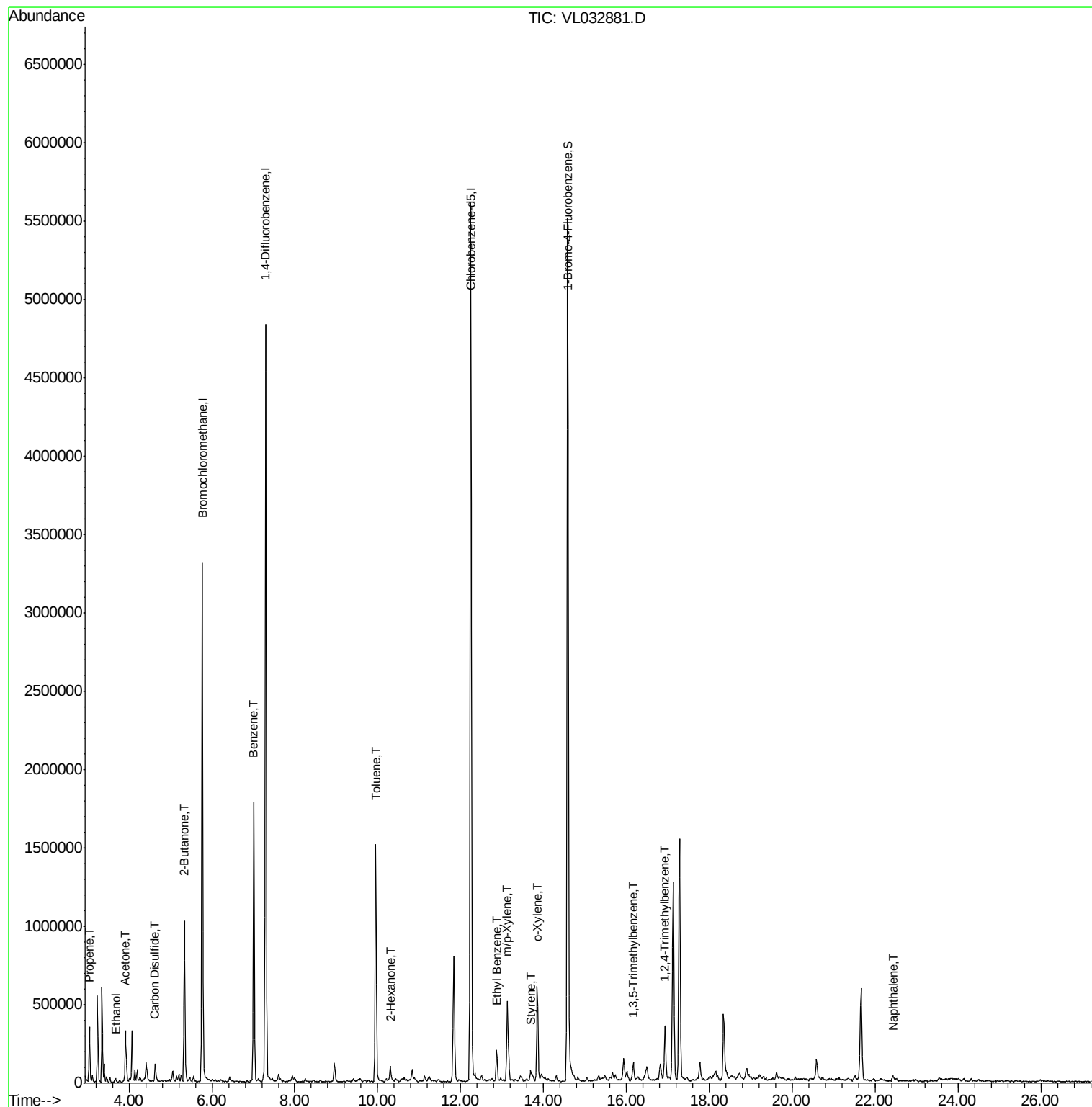
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL120418\
Data File : VL032881.D
Acq On : 4 Dec 2018 18:04
Operator : SY/AP
Sample : J6175-02DLDUP 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

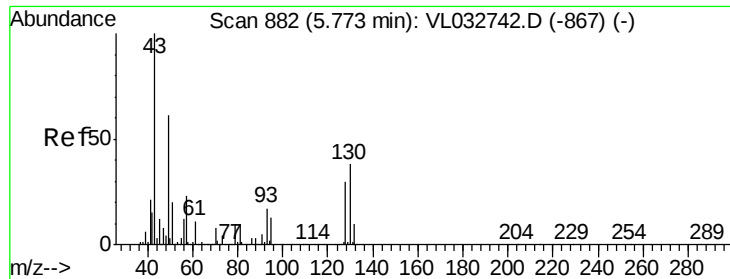
Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Manual Integrations
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Quant Time: Dec 05 15:13:01 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





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.77 min Scan# 880

Delta R.T. -0.01 min

Lab File: VL032881.D

Acq: 4 Dec 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02DLDUP

Tot Ion: 49 Resp: 1466661

Ion Ratio Lower Upper

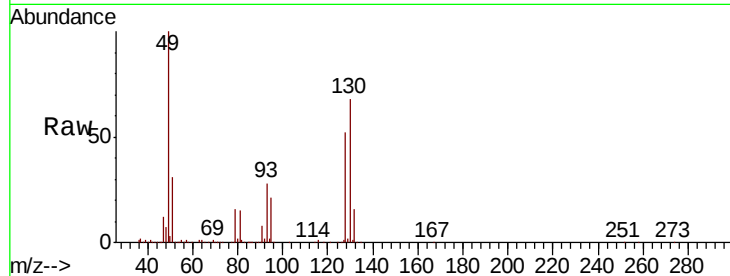
49 100

128 52.6 24.9 74.6

130 68.1 31.4 94.2

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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

1000000

800000

600000

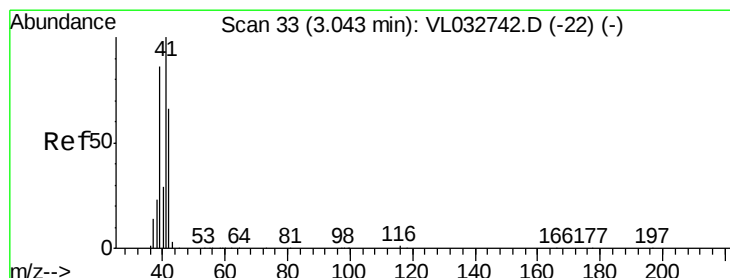
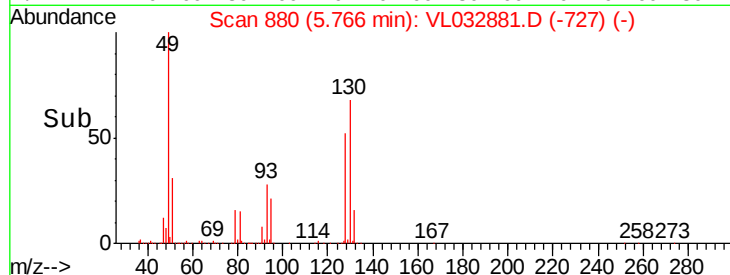
400000

200000

0

5.70 5.75 5.80 5.85

Time-->



#9

Propene

Concen: 3.027 ppbv

RT: 3.04 min Scan# 32

Delta R.T. -0.00 min

Lab File: VL032881.D

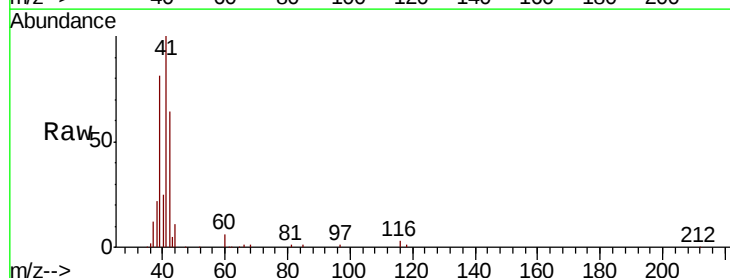
Acq: 4 Dec 2018 18:04

Tgt Ion: 41 Resp: 140876

Ion Ratio Lower Upper

41 100

42 64.4 55.0 82.6



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

120000

100000

80000

60000

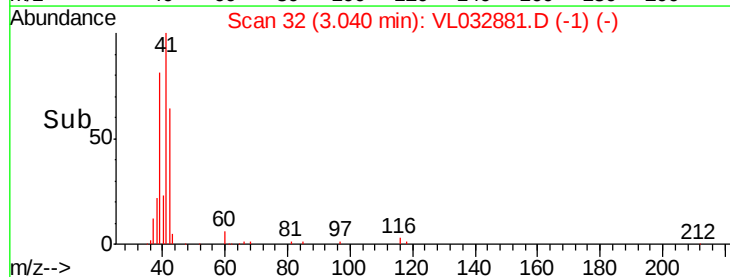
40000

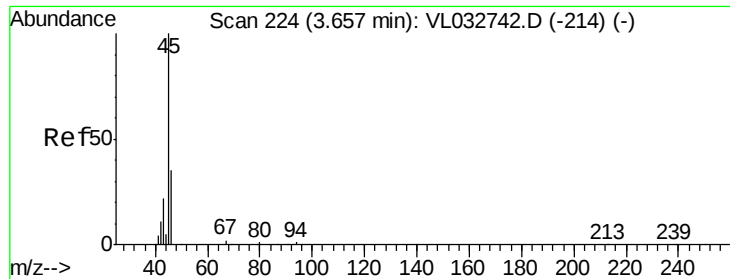
20000

0

3.00 3.05 3.10

Time-->





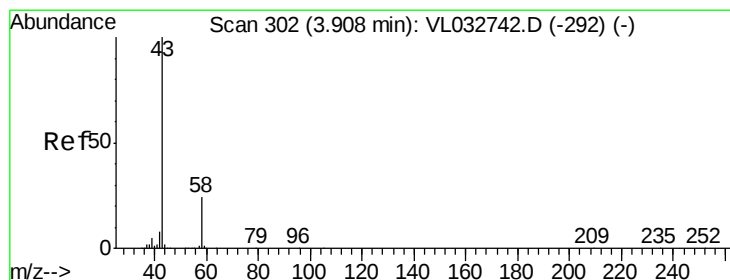
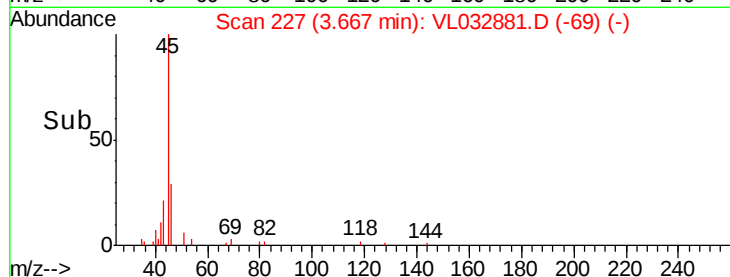
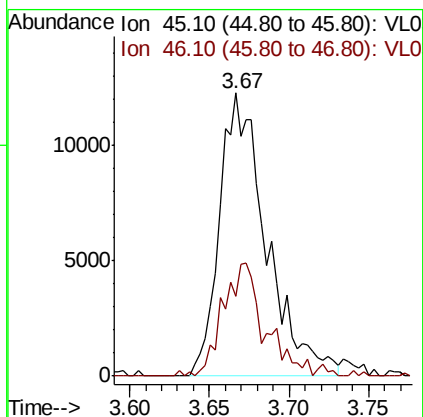
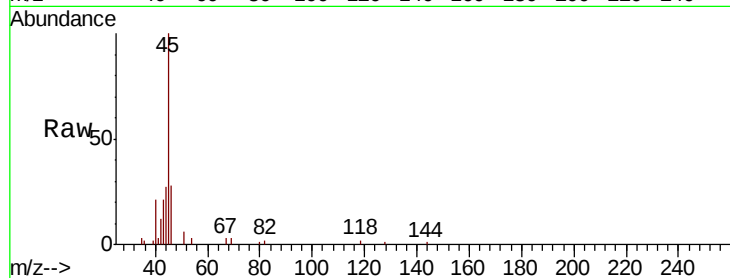
#13
Ethanol
Concen: 1.639 ppbv m
RT: 3.67 min Scan# 227
Delta R.T. 0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tot Ion: 45 Resp: 24980
Ion Ratio Lower Upper
45 100
46 0.0 14.5 57.9#

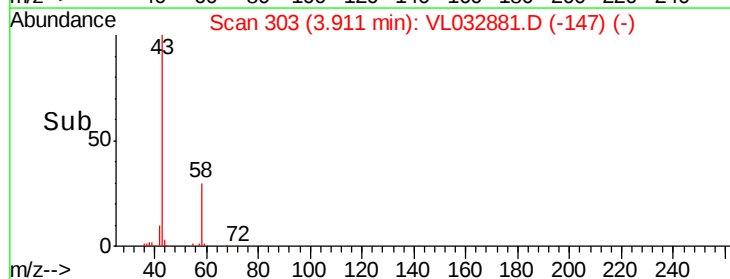
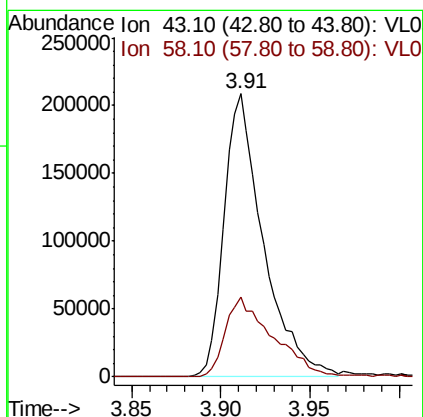
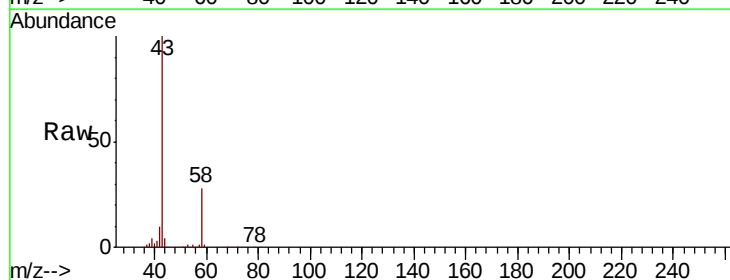
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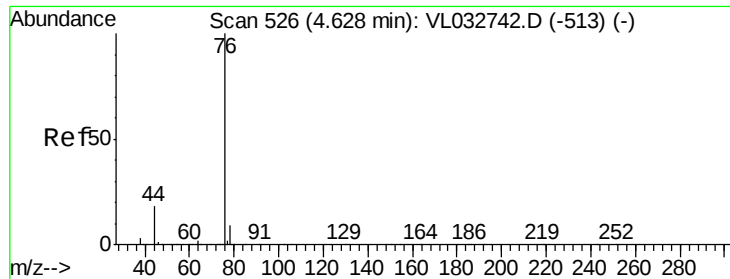
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#15
Acetone
Concen: 2.386 ppbv
RT: 3.91 min Scan# 303
Delta R.T. 0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 43 Resp: 319638
Ion Ratio Lower Upper
43 100
58 34.9 21.1 31.7#





#27

Carbon Disulfide

Concen: 0.584 ppbv

RT: 4.62 min Scan# 525

Delta R.T. -0.00 min

Lab File: VL032881.D

Acq: 4 Dec 2018 18:04

Instrument :

MSVOA_L

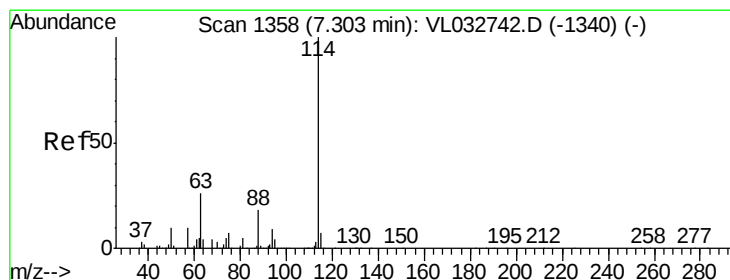
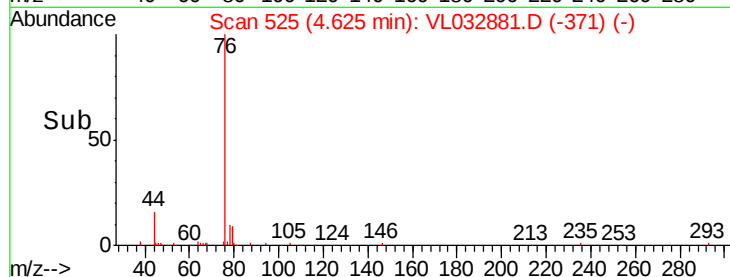
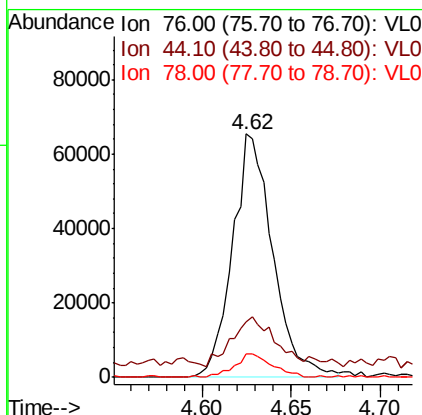
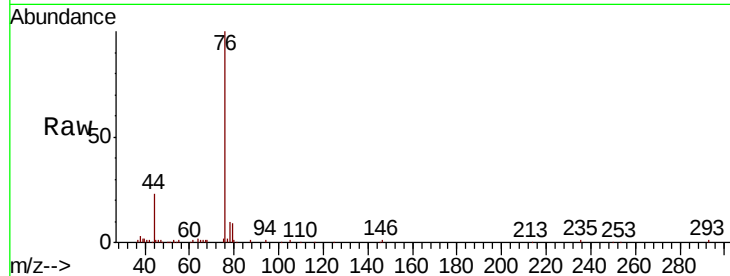
ClientSampleId :

MMSV-02DLDUP

Tot Ion:	76	Resp:	102879
Ion	Ratio	Lower	Upper
76	100		
44	33.7	14.4	21.6#
78	9.5	7.7	11.5

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#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

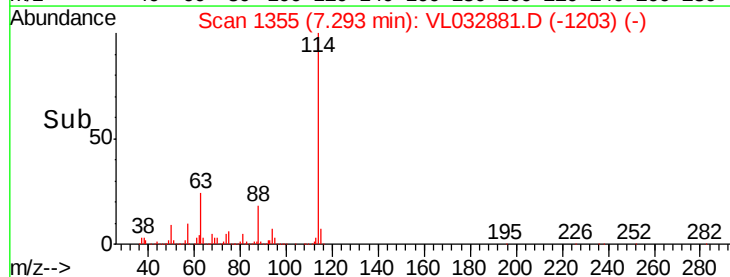
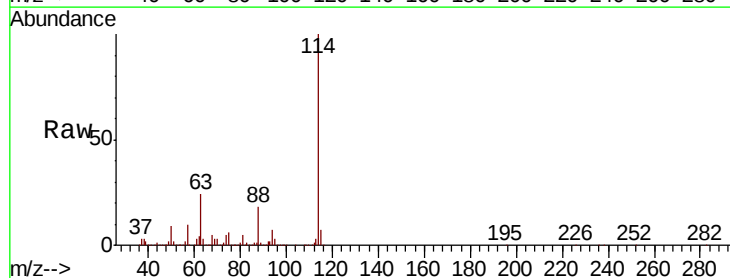
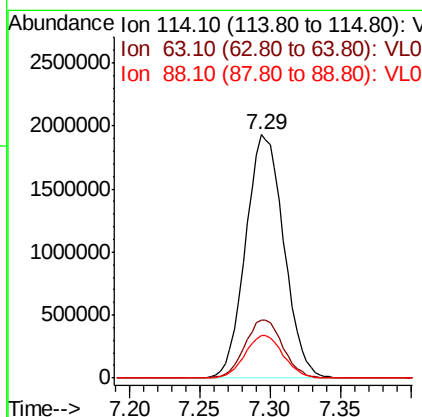
RT: 7.29 min Scan# 1355

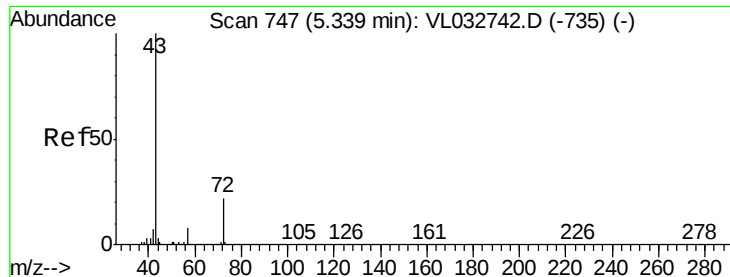
Delta R.T. -0.01 min

Lab File: VL032881.D

Acq: 4 Dec 2018 18:04

Tgt Ion:	114	Resp:	3670621
Ion	Ratio	Lower	Upper
114	100		
63	23.9	20.9	31.3
88	17.4	14.4	21.6





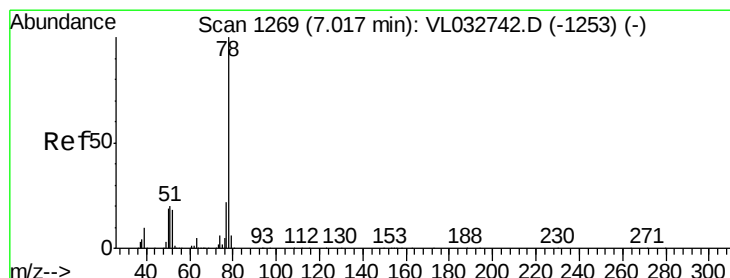
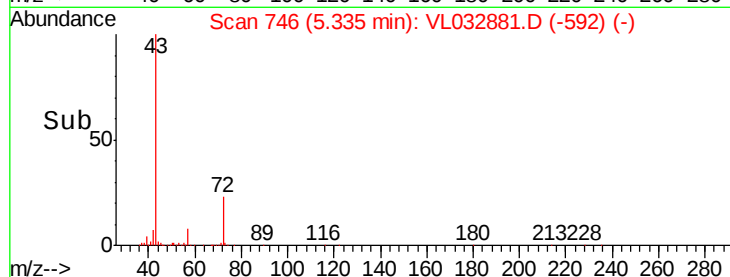
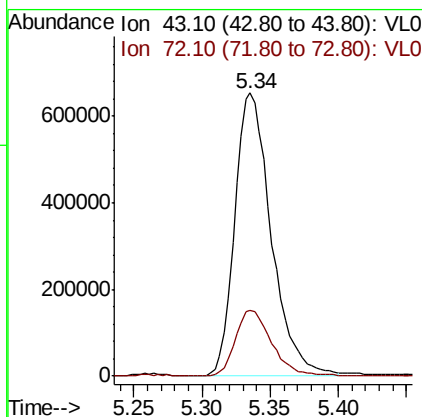
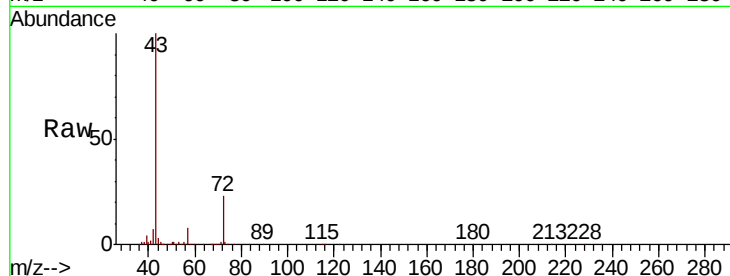
#34
2-Butanone
Concen: 6.354 ppbv
RT: 5.34 min Scan# 746
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tot Ion: 43 Resp: 1209671
Ion Ratio Lower Upper
43 100
72 23.3 18.4 27.6

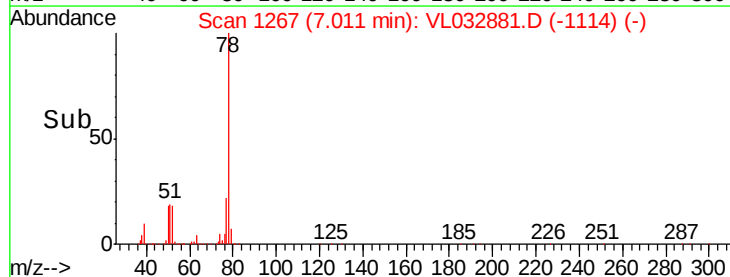
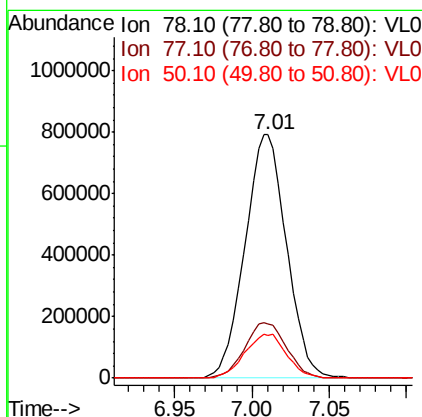
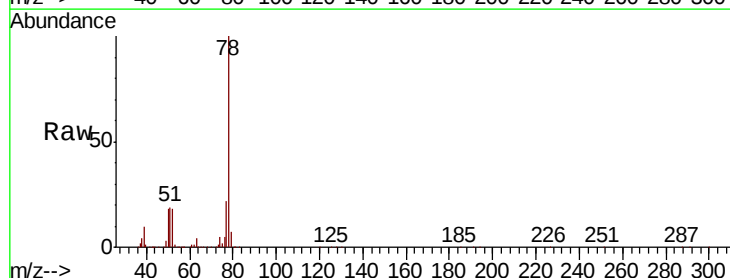
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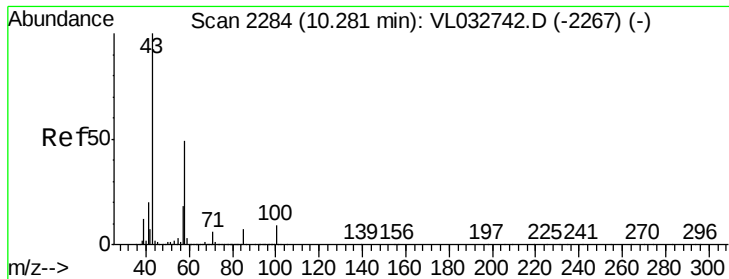
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#36
Benzene
Concen: 5.068 ppbv
RT: 7.01 min Scan# 1267
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 78 Resp: 1481221
Ion Ratio Lower Upper
78 100
77 22.3 17.8 26.8
50 17.5 15.4 23.0





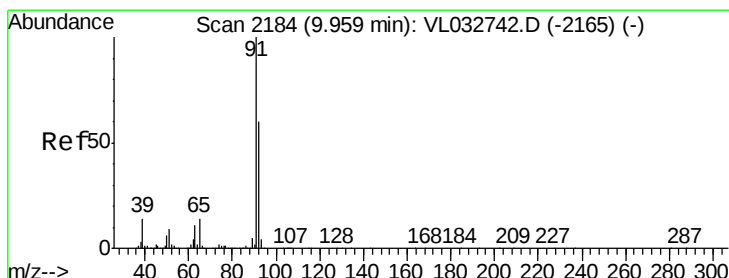
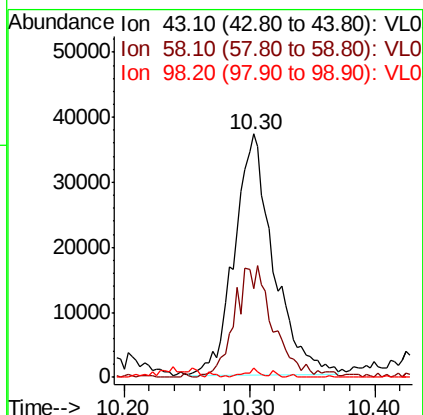
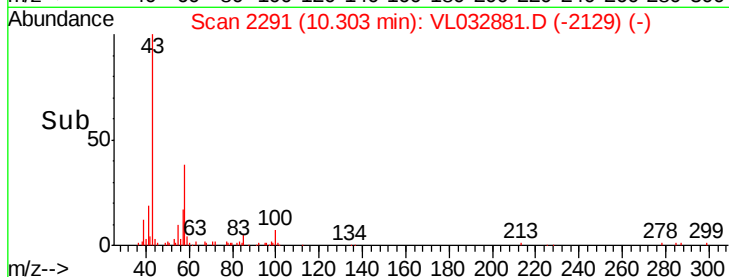
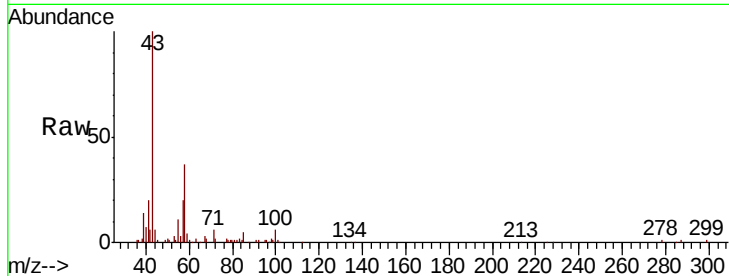
#51
2-Hexanone
Concen: 0.420 ppbv
RT: 10.30 min Scan# 2291
Delta R.T. 0.02 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tot Ion	Ratio	Lower	Upper
43	100		
58	46.5	38.9	58.3
98	1.9	0.2	0.4

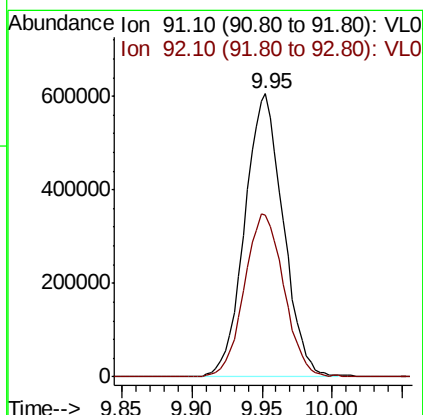
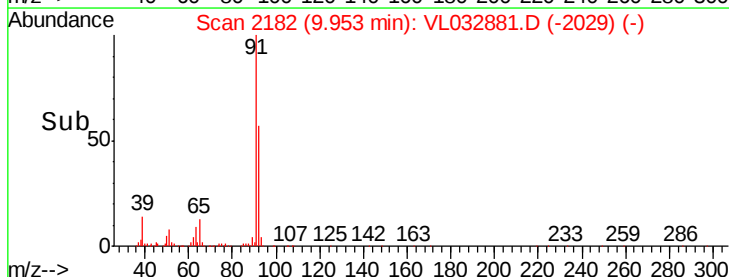
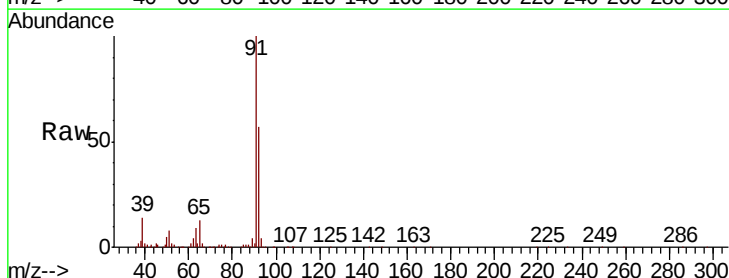
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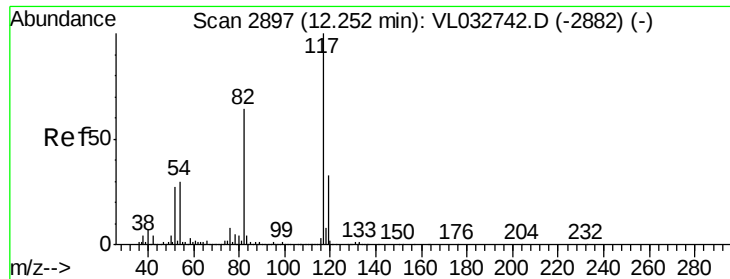
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12/10/2018 1:00:06 PM



#53
Toluene
Concen: 3.789 ppbv
RT: 9.95 min Scan# 2182
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion	Ratio	Lower	Upper
91	100		
92	59.4	47.9	71.9





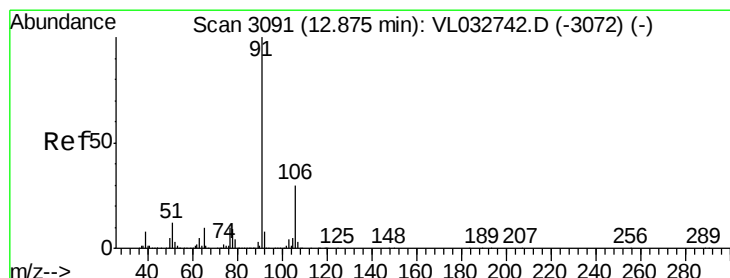
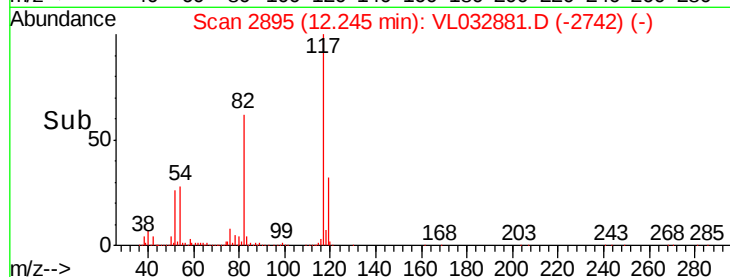
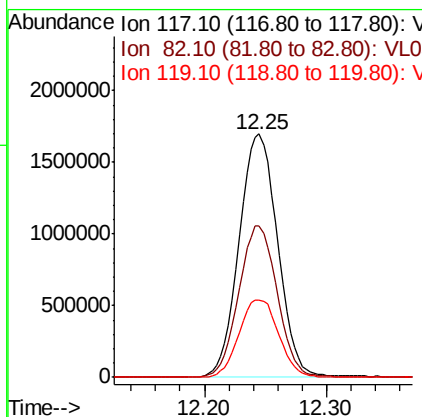
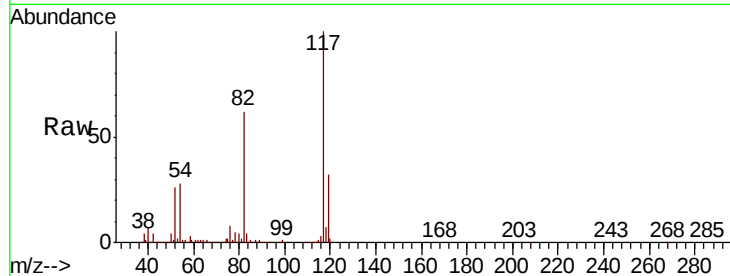
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.25 min Scan# 2895
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tot Ion:117 Resp: 3708381
Ion Ratio Lower Upper
117 100
82 62.3 51.0 76.6
119 33.0 28.0 42.0

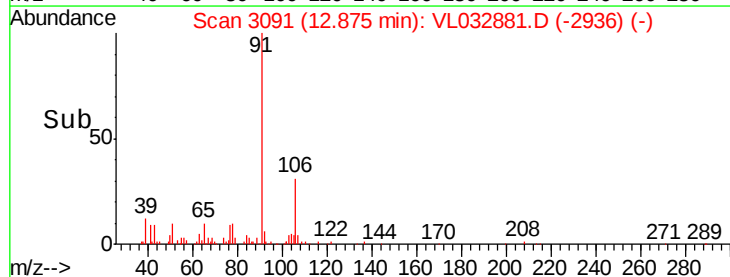
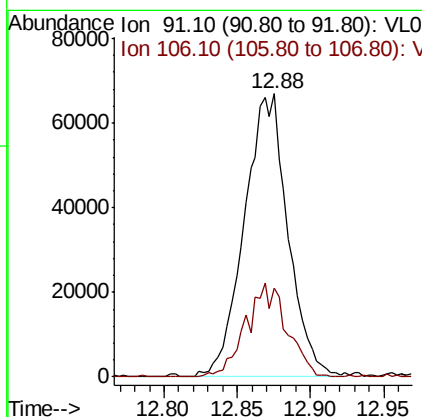
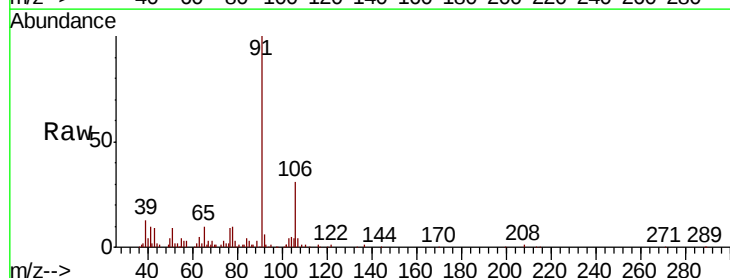
Manual Integrations
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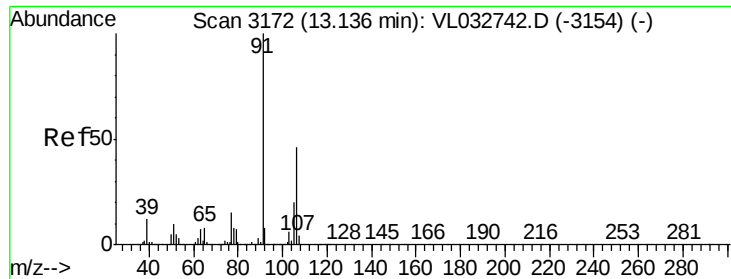
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#58
Ethyl Benzene
Concen: 0.311 ppbv m
RT: 12.88 min Scan# 3091
Delta R.T. -0.00 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 91 Resp: 138699
Ion Ratio Lower Upper
91 100
106 31.2 23.6 35.4





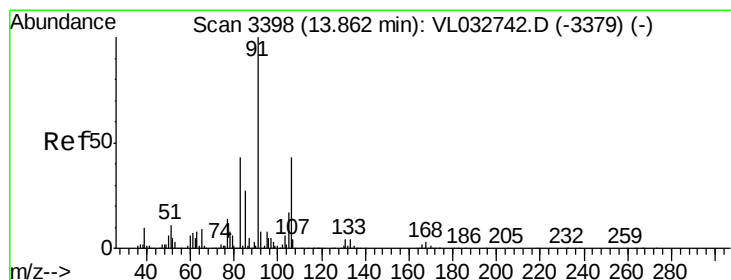
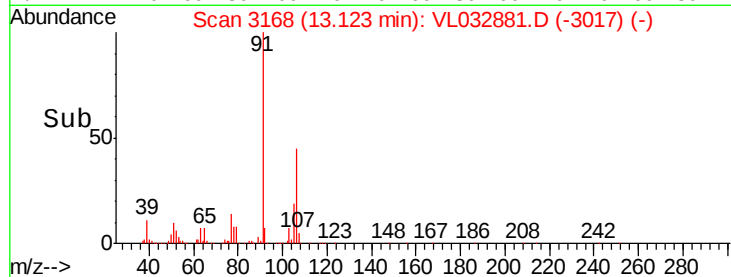
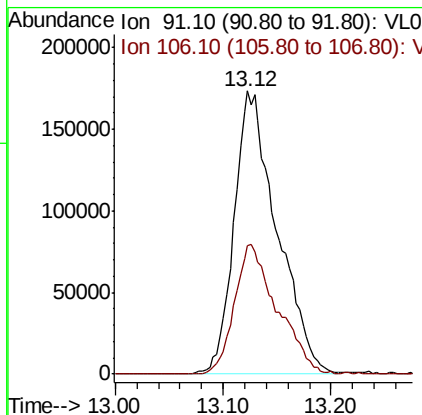
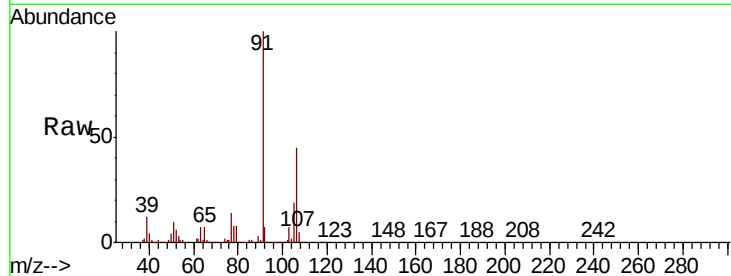
#59
m/p-Xylene
Concen: 1.199 ppbv
RT: 13.12 min Scan# 3168
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tot Ion: 91 Resp: 476333
Ion Ratio Lower Upper
91 100
106 45.7 36.1 54.1

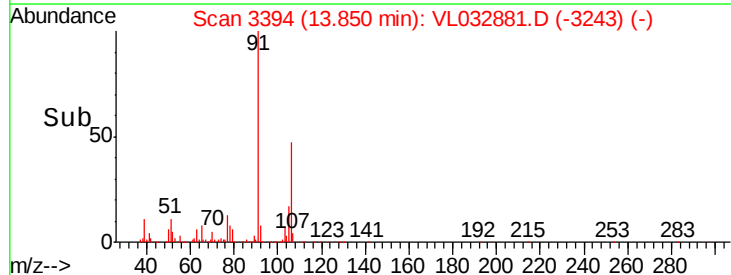
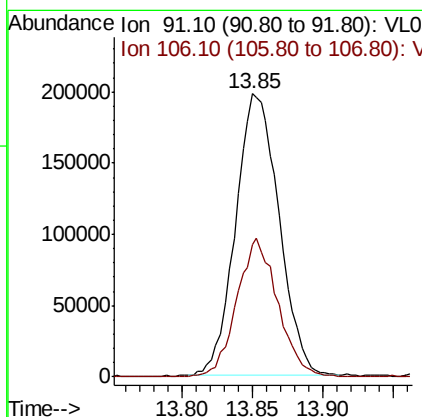
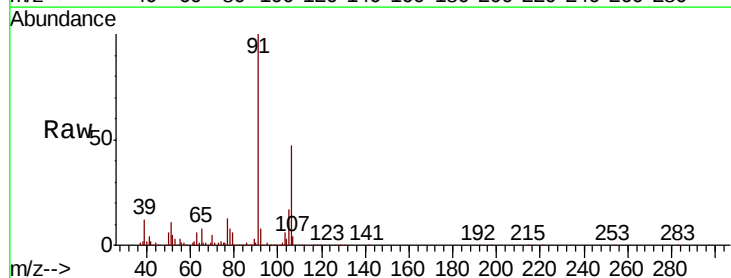
Manual Integrations
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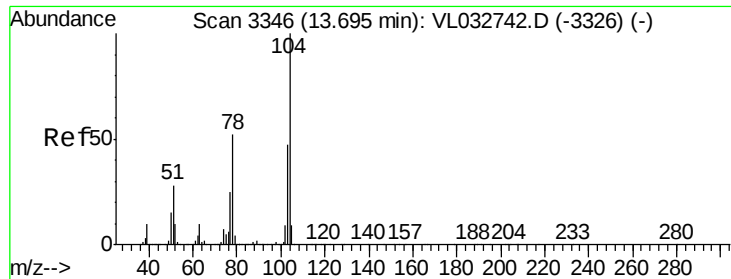
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#60
o-Xylene
Concen: 1.068 ppbv
RT: 13.85 min Scan# 3394
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion: 91 Resp: 426813
Ion Ratio Lower Upper
91 100
106 46.7 21.9 65.7





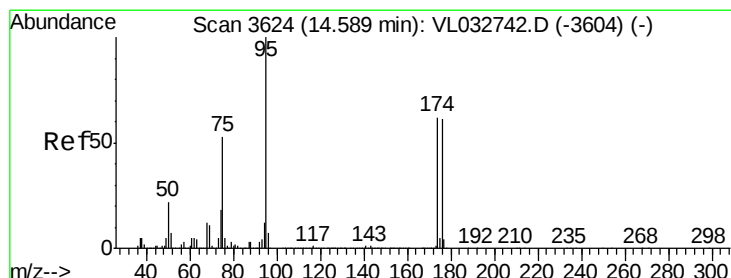
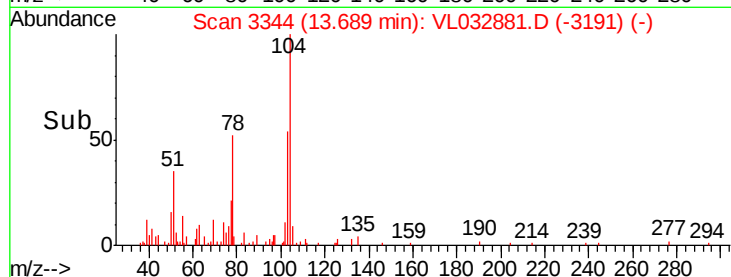
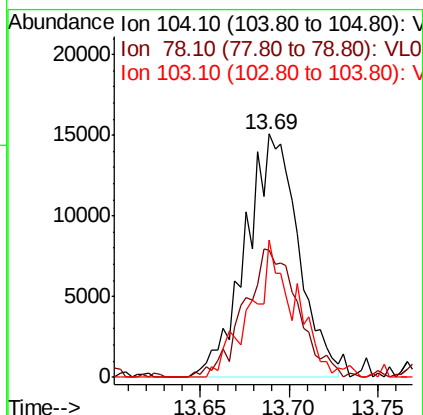
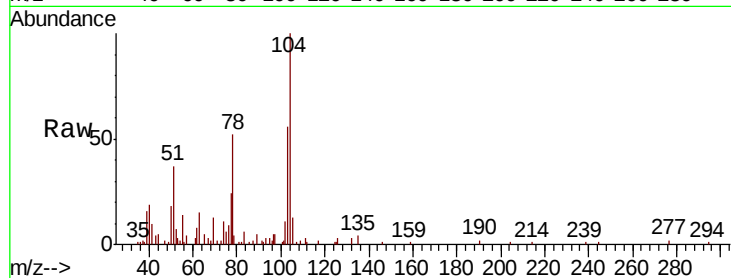
#61
Stvrene
Concen: 0.120 ppbv
RT: 13.69 min Scan# 3344
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Instrument :
MSVOA_L
ClientSampleId :
MMSV-02DLDUP

Tot Ion	Ratio	Lower	Upper
104	100		
78	54.2	42.2	63.4
103	48.6	38.2	57.2

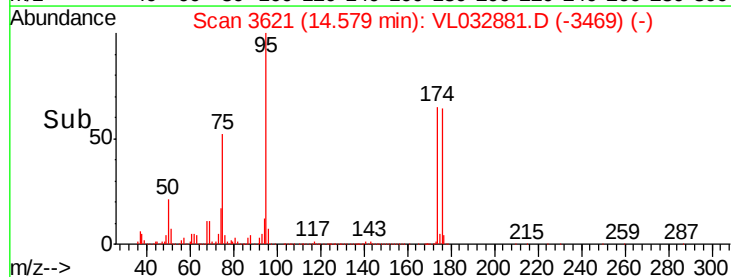
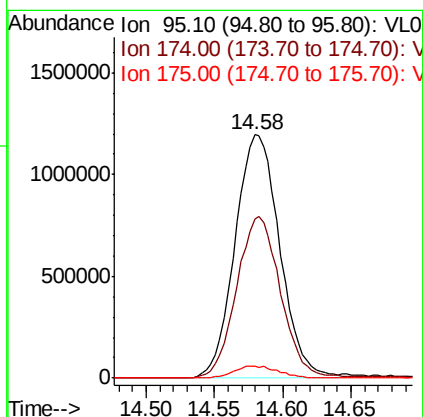
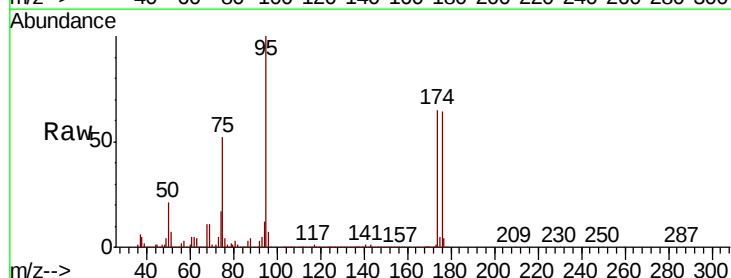
Manual Integrations
APPROVED

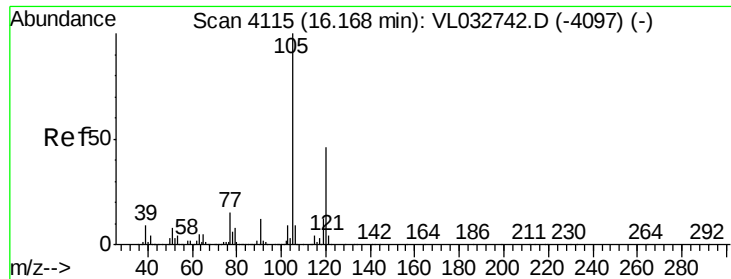
MMDadoda
12/10/2018 1:00:06 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 9.750 ppbv
RT: 14.58 min Scan# 3621
Delta R.T. -0.01 min
Lab File: VL032881.D
Acq: 4 Dec 2018 18:04

Tgt Ion	Ratio	Lower	Upper
95	100		
174	67.2	50.7	76.1
175	5.1	3.8	5.6





#73

1,3,5-Trimethylbenzene

Concen: 0.176 ppbv

RT: 16.17 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VL032881.D

Acq: 4 Dec 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02DLDUP

Tot Ion:105 Resp: 75135

Ion Ratio Lower Upper

105 100

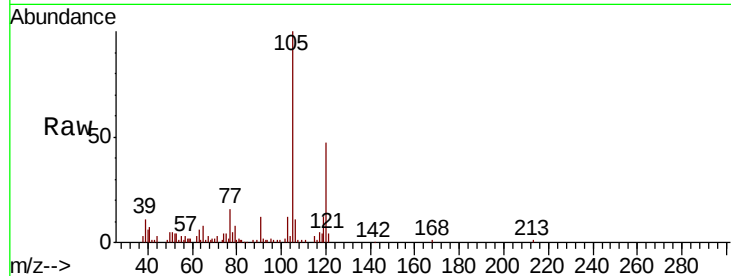
120 47.7 36.6 55.0

Manual Integrations

APPROVED

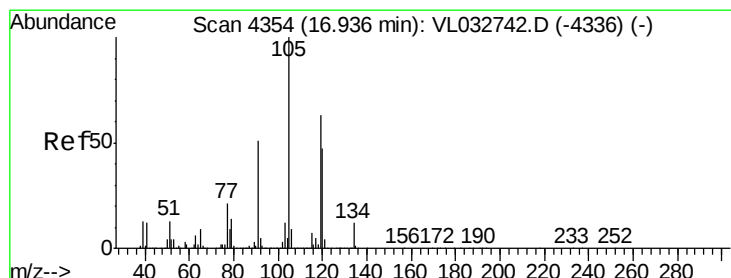
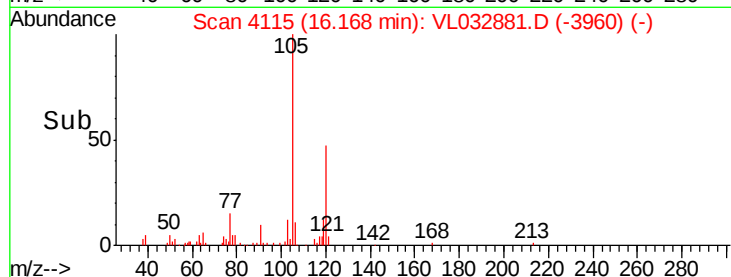
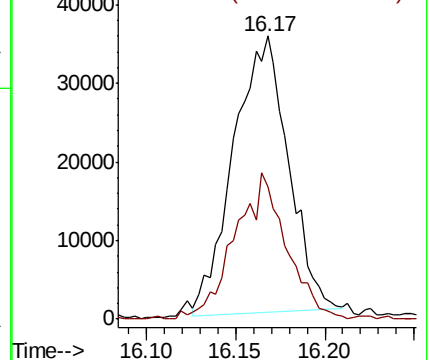
MMDadoda

12/10/2018 1:00:06 PM



Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V



#74

1,2,4-Trimethylbenzene

Concen: 0.501 ppbv

RT: 16.93 min Scan# 4352

Delta R.T. -0.01 min

Lab File: VL032881.D

Acq: 4 Dec 2018 18:04

Tgt Ion:105 Resp: 229418

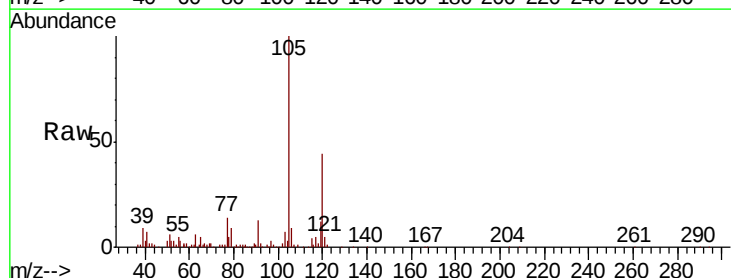
Ion Ratio Lower Upper

105 100

120 43.9 37.6 56.4

91 11.7 42.5 63.7#

77 13.0 17.4 26.2#

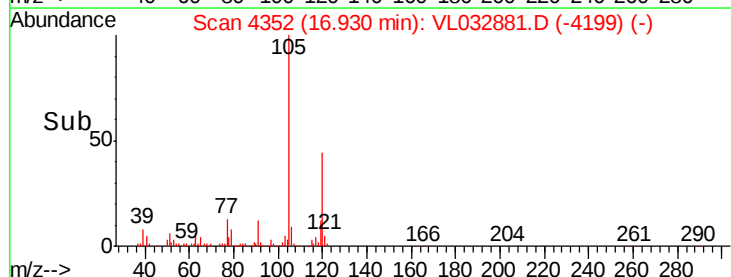
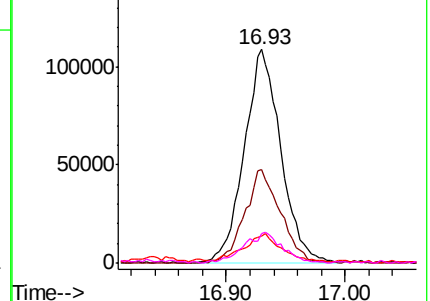


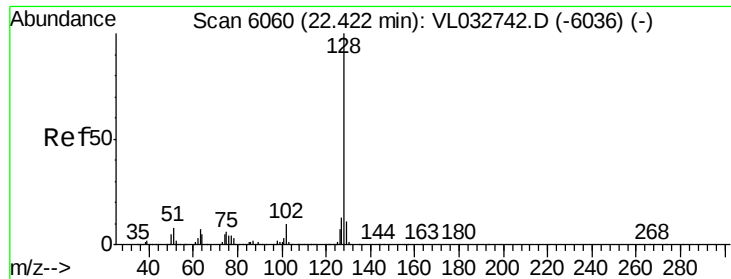
Abundance Ion 105.10 (104.80 to 105.80): V

Ion 120.20 (119.90 to 120.90): V

Ion 91.10 (90.80 to 91.80): VL0

Ion 77.10 (76.80 to 77.80): VL0





#79

Naphthalene

Concen: 0.126 ppbv m

RT: 22.42 min Scan# 6060

Delta R.T. -0.00 min

Lab File: VL032881.D

Acq: 4 Dec 2018 18:04

Instrument :

MSVOA_L

ClientSampleId :

MMSV-02DLDUP

Tot Ion:	128	Resp:	37891
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.1	15.1
129	16.9	8.9	13.3#

Manual Integrations
APPROVED

MMDadoda
12/10/2018 1:00:06 PM

