

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032467.D
 Acq On : 5 Sep 2018 21:28
 Operator : SY/AP
 Sample : J4745-04 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-7

Manual Integrations
 APPROVED

MMDadoda
 9/7/2018 10:46:02 AM

Quant Time: Sep 06 07:05:07 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1581165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.34	114	3270843	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.29	117	3116184	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.63	95	2445962	10.57	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.70%

Target Compounds

						Ovalue
9) Propene	3.06	41	676954	11.73	ppbv	94
10) Heptane	8.29	43	61216	0.30	ppbv	95
13) Ethanol	3.68	45	234421	13.03	ppbv	97
15) Acetone	3.93	43	2867048	20.14	ppbv	97
16) 1,3-Butadiene	3.38	39	138806m	2.07	ppbv	
17) tert-Butyl alcohol	4.40	59	230737	10.53	ppbv #	100
20) Methylene Chloride	4.44	84	83683	1.54	ppbv	88
26) Hexane	5.82	57	187195	1.24	ppbv #	43
27) Carbon Disulfide	4.66	76	45348	0.33	ppbv #	80
34) 2-Butanone	5.36	43	2492336	11.47	ppbv	99
36) Benzene	7.05	78	118113	0.42	ppbv	96
50) 4-Methyl-2-Pentanone	8.93	43	97825	0.30	ppbv	97
51) 2-Hexanone	10.32	43	119505	0.57	ppbv	96
53) Toluene	10.00	91	492526	1.69	ppbv	99
58) Ethyl Benzene	12.92	91	175701	0.47	ppbv	96
59) m/p-Xylene	13.17	91	551897	1.66	ppbv	99
60) o-Xylene	13.90	91	185213	0.57	ppbv	99
72) 4-Ethyltoluene	16.05	105	106637m	0.30	ppbv	
73) 1,3,5-Trimethylbenzene	16.21	105	58274m	0.16	ppbv	
74) 1,2,4-Trimethylbenzene	16.98	105	231523	0.59	ppbv #	66

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

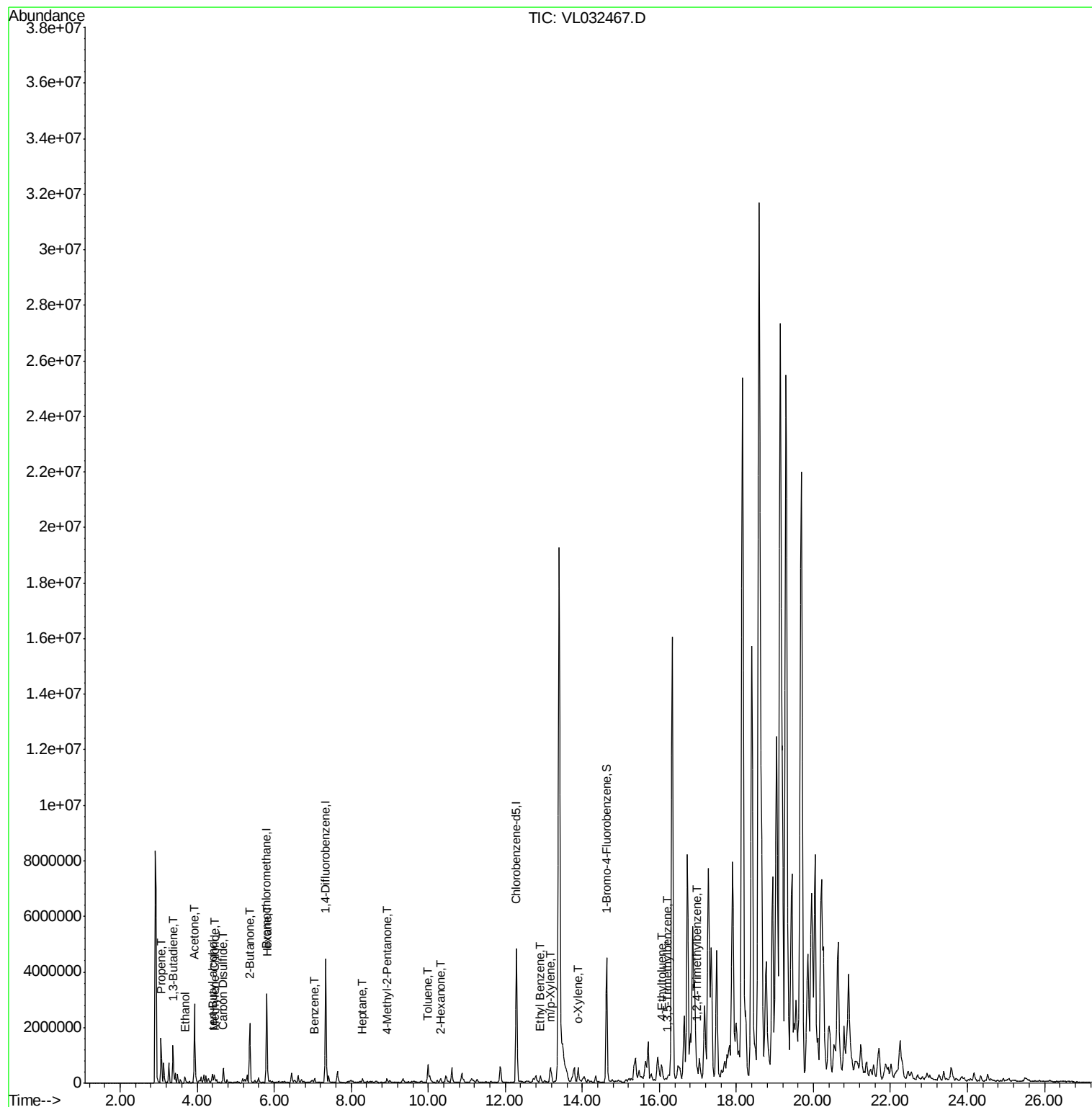
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032467.D
Acq On : 5 Sep 2018 21:28
Operator : SY/AP
Sample : J4745-04 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_L
ClientSampleId :
VP-7

Manual Integrations
APPROVED

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Quant Time: Sep 06 07:05:07 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

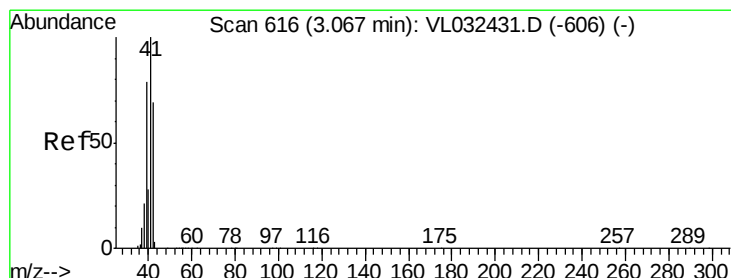
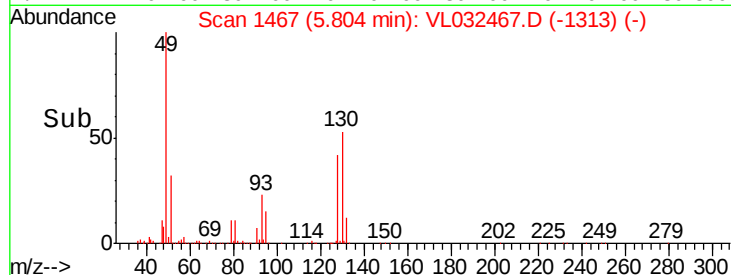
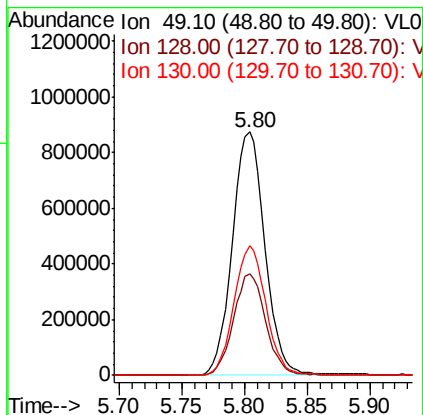
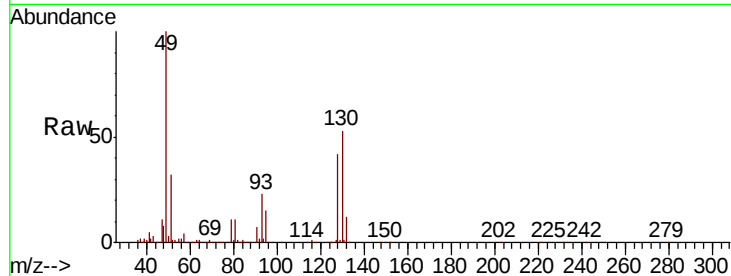
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.80 min Scan# 1467
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Instrument :
 MSVOA_L
 ClientSampled :
 VP-7

Tot Ion	Ratio	Lower	Upper
49	100		
128	41.4	20.7	62.1
130	52.7	26.6	79.7

Manual Integrations
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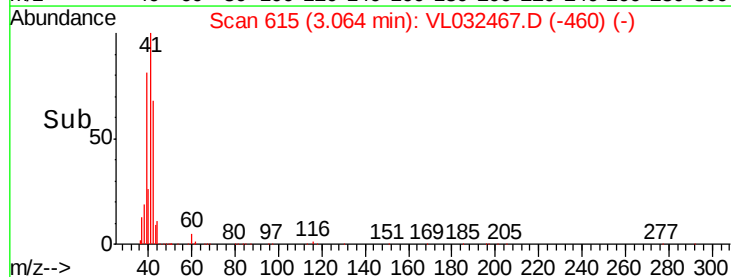
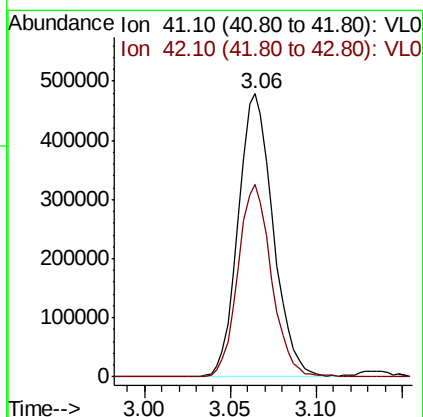
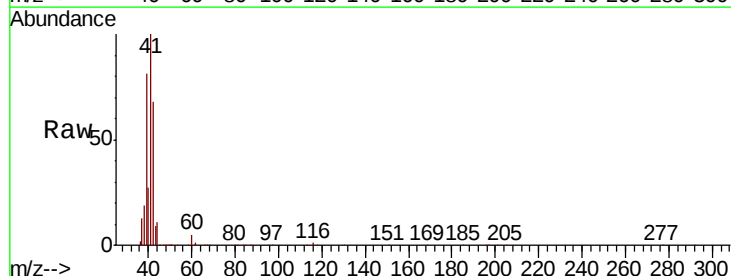
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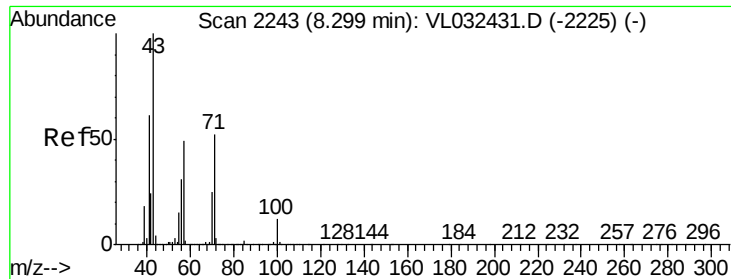


#9

Propene
 Concen: 11.73 ppbv
 RT: 3.06 min Scan# 615
 Delta R.T. -0.00 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
41	100		
42	65.5	56.6	84.8





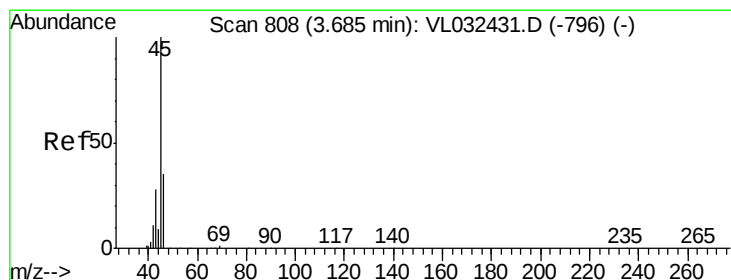
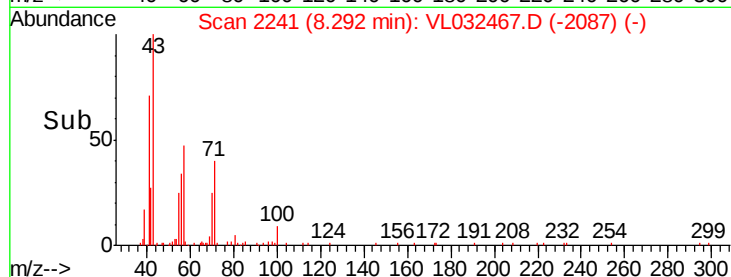
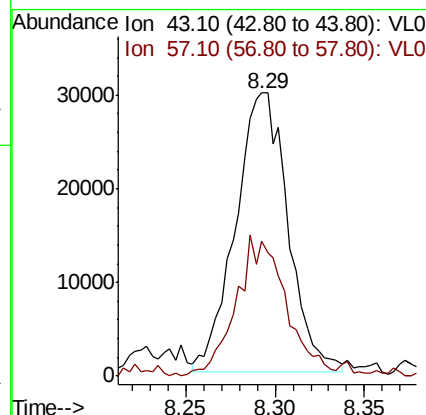
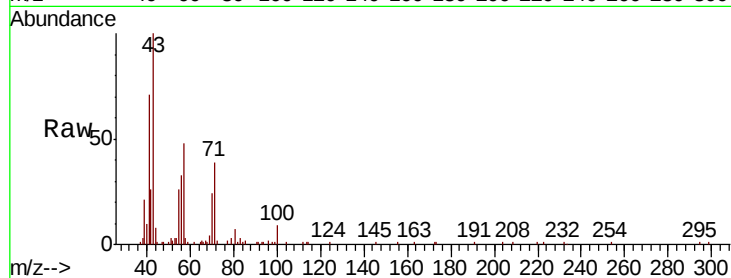
#10
Heptane
Concen: 0.30 ppbv
RT: 8.29 min Scan# 2241
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Instrument :
MSVOA_L
ClientSampled :
VP-7

Tot Ion: 43 Resp: 61216
Ion Ratio Lower Upper
43 100
57 45.8 39.6 59.4

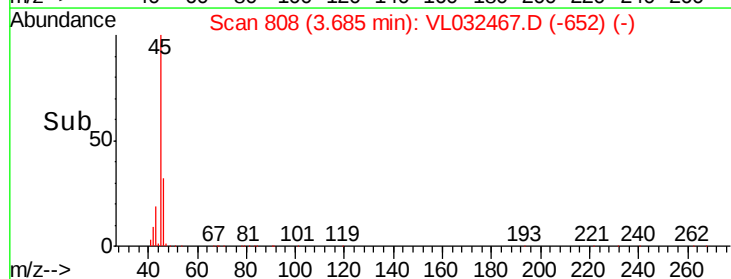
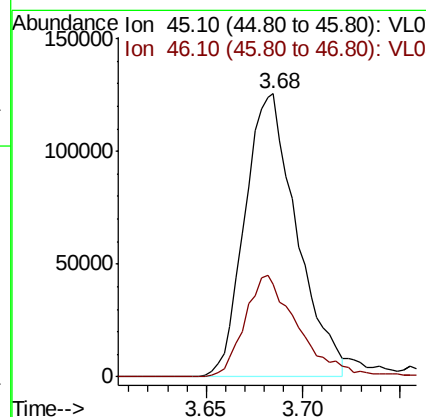
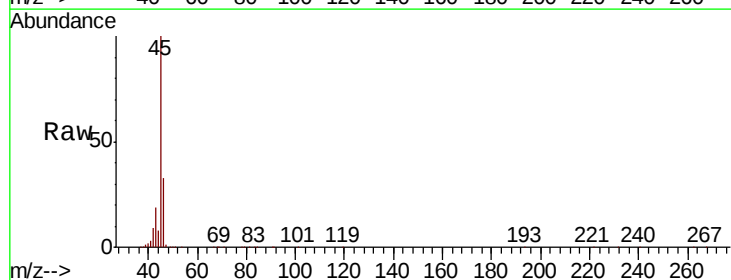
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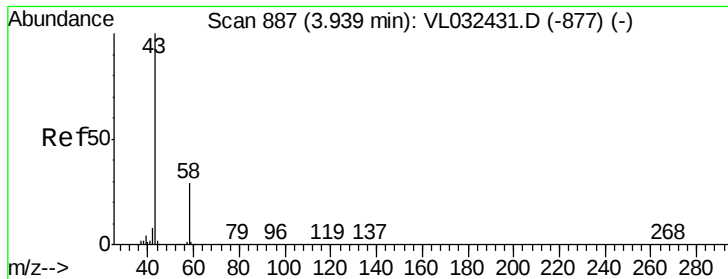
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#13
Ethanol
Concen: 13.03 ppbv
RT: 3.68 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Tgt Ion: 45 Resp: 234421
Ion Ratio Lower Upper
45 100
46 37.0 14.2 56.8





#15

Acetone

Concen: 20.14 ppbv

RT: 3.93 min Scan# 884

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampleId :

VP-7

Tot Ion: 43 Resp: 2867048

Ion Ratio Lower Upper

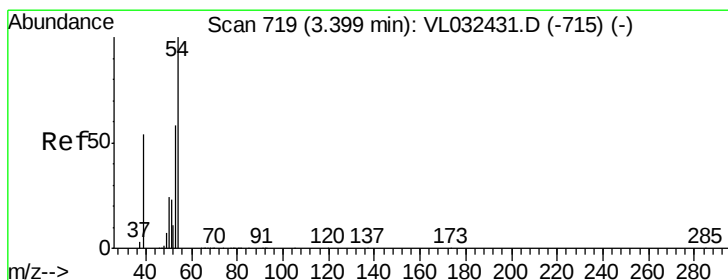
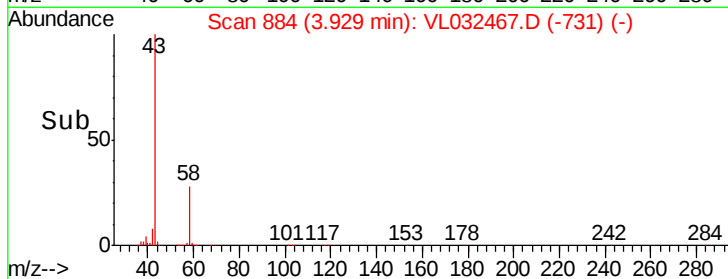
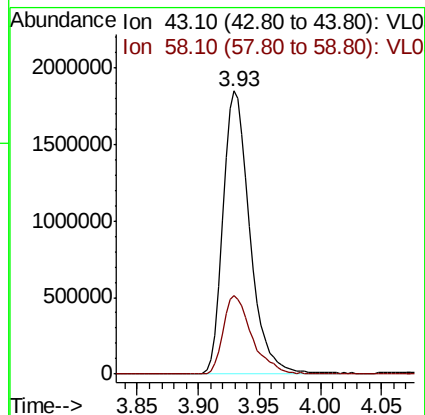
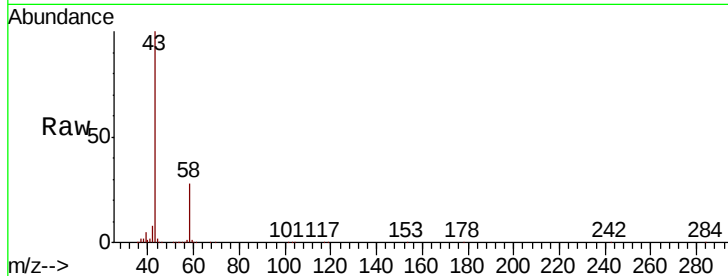
43 100

58 29.8 22.6 33.8

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#16

1,3-Butadiene

Concen: 2.07 ppbv m

RT: 3.38 min Scan# 713

Delta R.T. -0.02 min

Lab File: VL032467.D

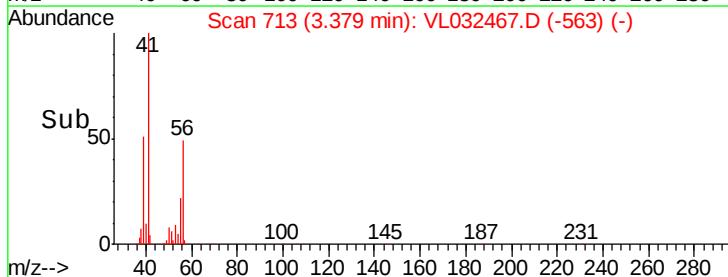
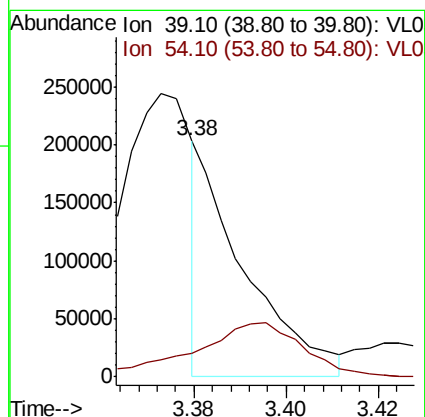
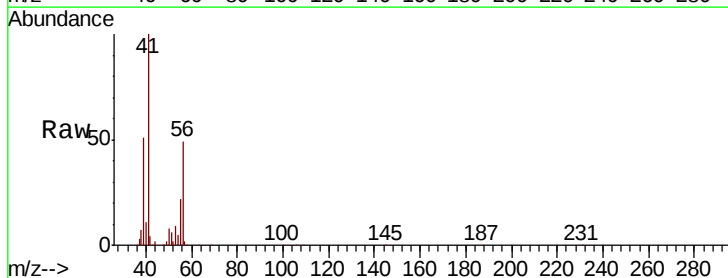
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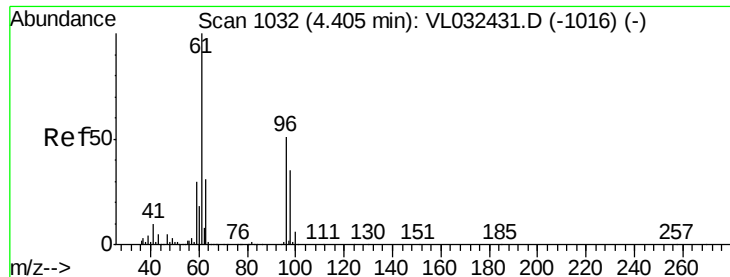
Tgt Ion: 39 Resp: 138806

Ion Ratio Lower Upper

39 100

54 56.7 80.8 121.2#





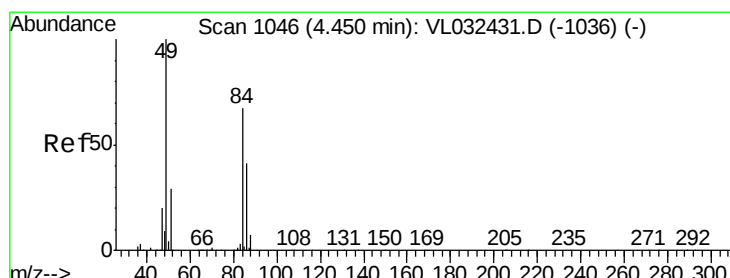
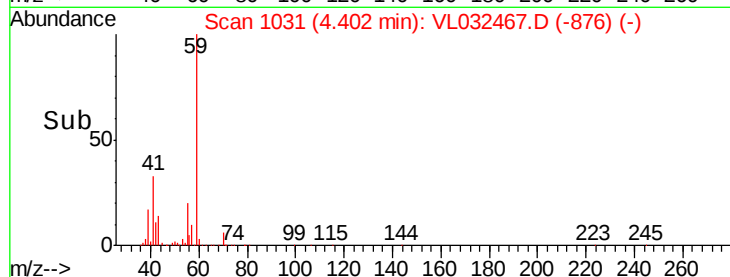
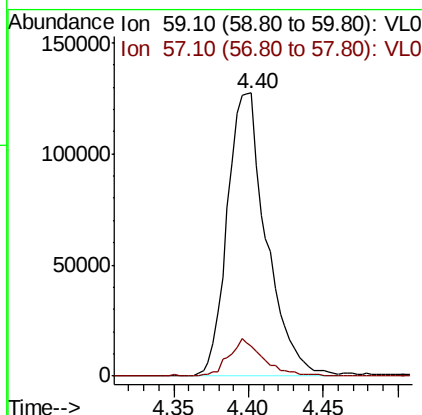
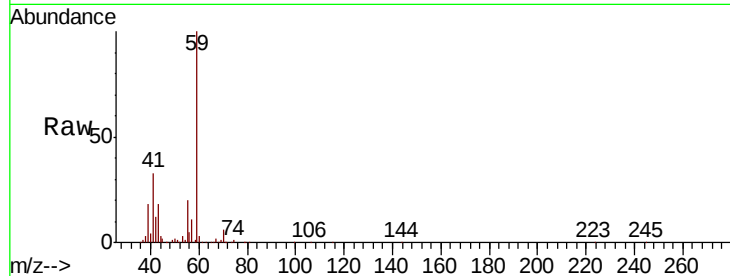
#17
 tert-Butyl alcohol
 Concen: 10.53 ppbv
 RT: 4.40 min Scan# 1031
 Delta R.T. -0.00 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Instrument :
 MSVOA_L
 ClientSampled :
 VP-7

Tot Ion: 59 Resp: 230737
 Ion Ratio Lower Upper
 59 100
 57 11.9 0.0 0.0#

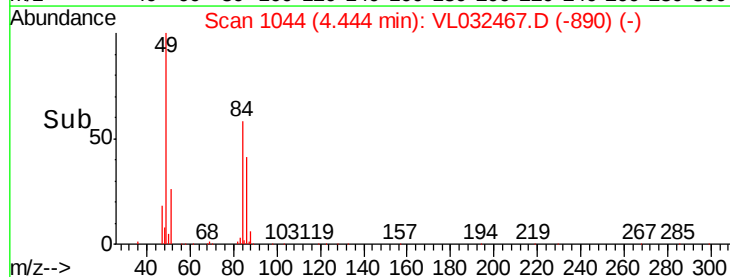
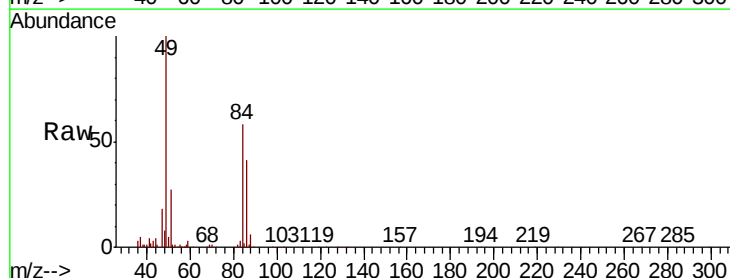
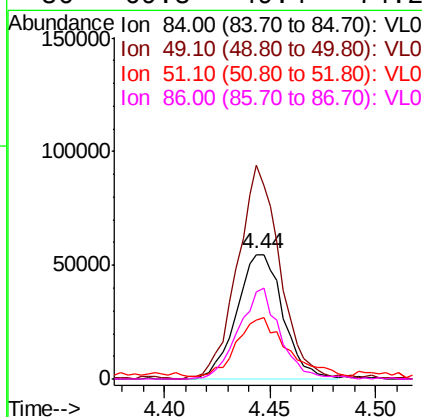
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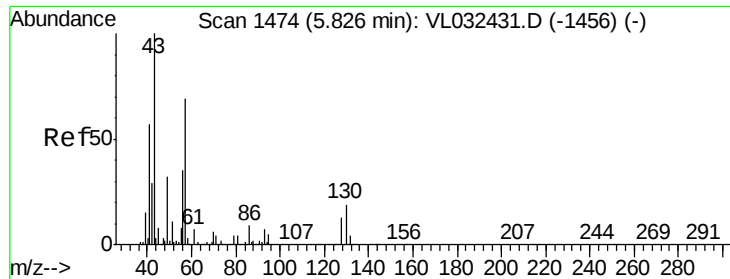
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#20
 Methylene Chloride
 Concen: 1.54 ppbv
 RT: 4.44 min Scan# 1044
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion: 84 Resp: 83683
 Ion Ratio Lower Upper
 84 100
 49 169.3 119.1 178.7
 51 44.5 35.2 52.8
 86 69.8 49.4 74.2





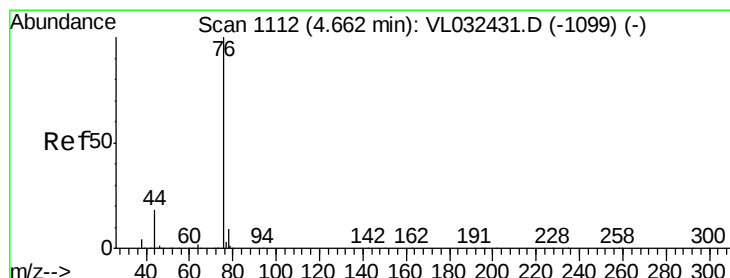
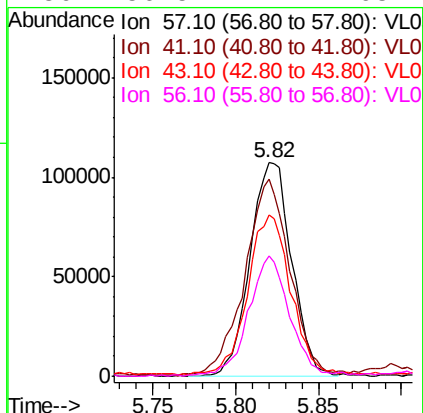
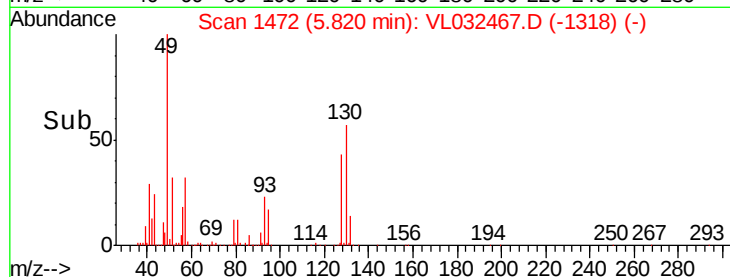
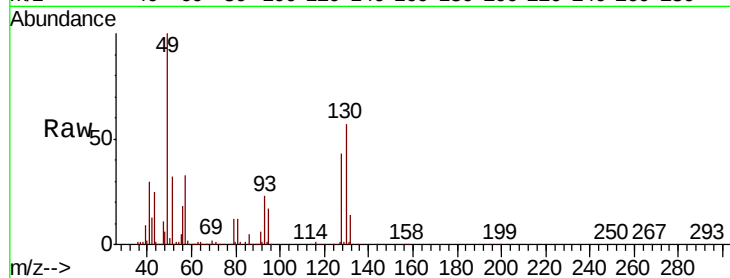
#26
Hexane
Concen: 1.24 ppbv
RT: 5.82 min Scan# 1472
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Instrument :
MSVOA_L
ClientSampled :
VP-7

Tot Ion	Ratio	Lower	Upper
57	100		
41	98.5	69.0	103.4
43	77.0	172.1	258.1#
56	56.5	42.2	63.2

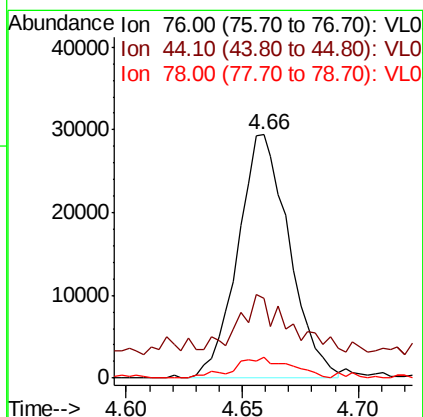
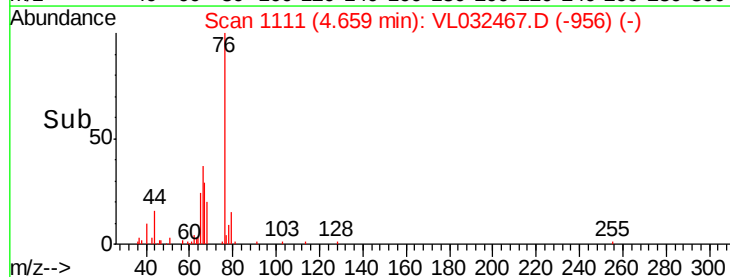
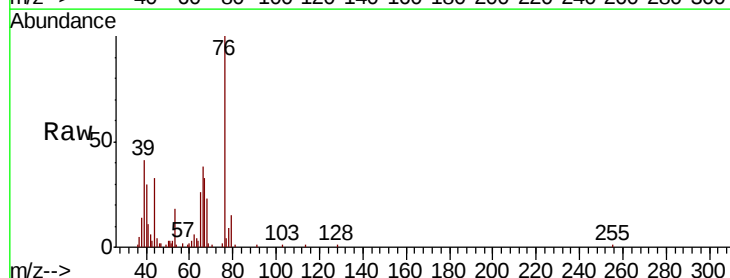
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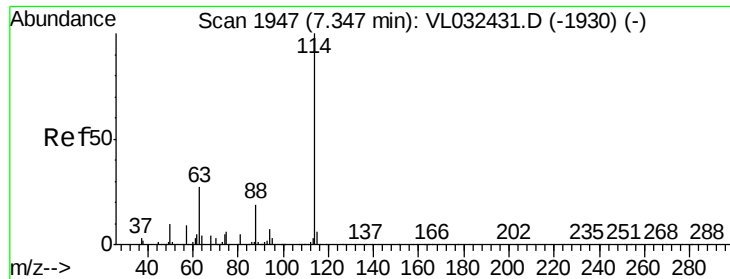
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#27
Carbon Disulfide
Concen: 0.33 ppbv
RT: 4.66 min Scan# 1111
Delta R.T. -0.00 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
76	100		
44	29.5	14.0	21.0#
78	11.3	7.5	11.3#





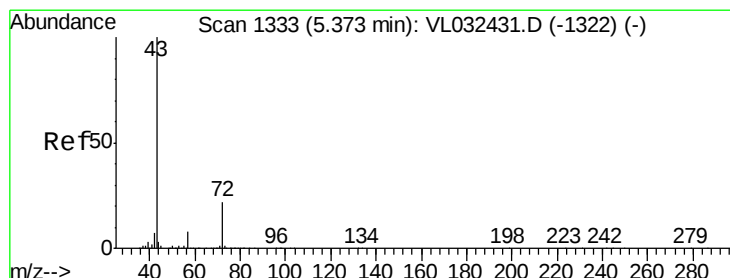
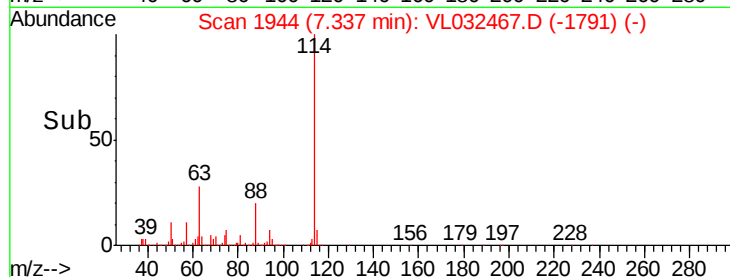
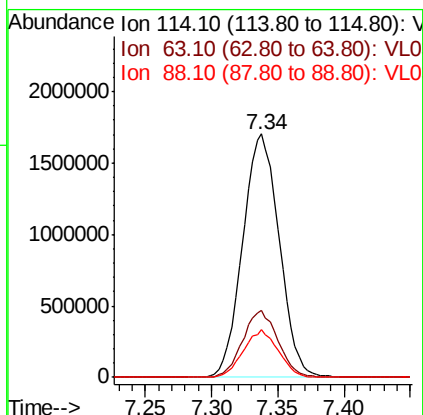
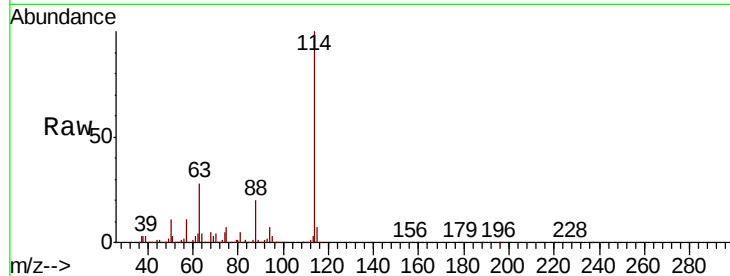
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.34 min Scan# 1944
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-7

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.5	22.2	33.4
88	18.7	15.0	22.4

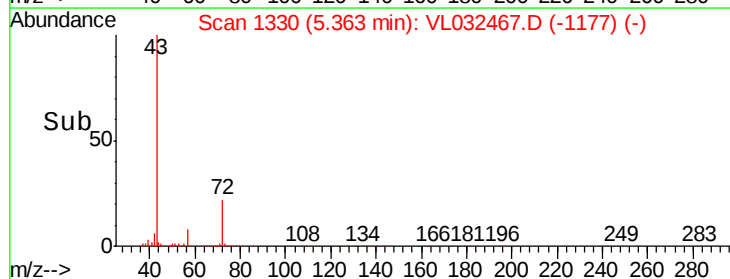
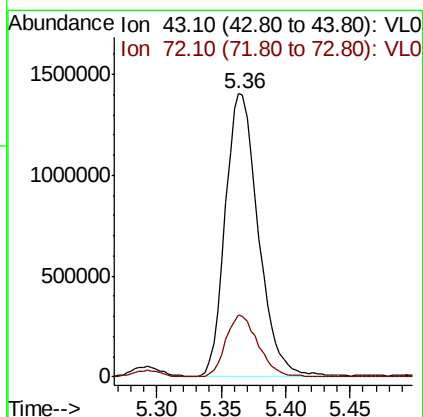
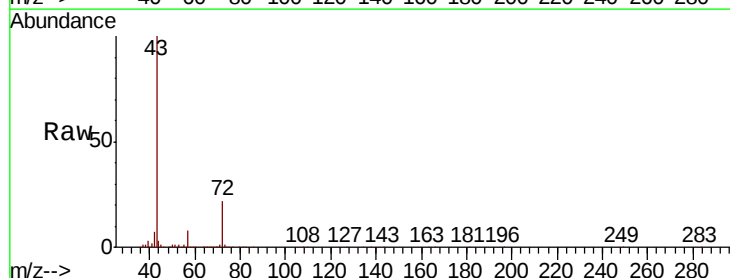
Manual Integrations
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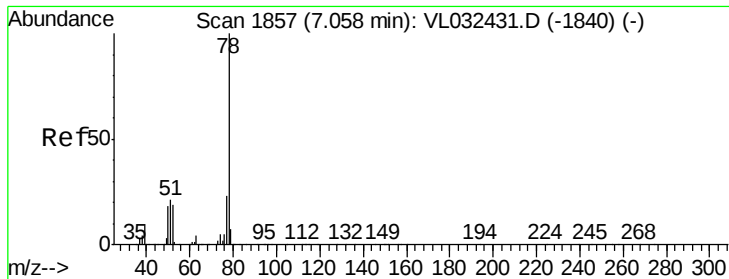
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 9/7/2018 10:46:02 AM



#34
 2-Butanone
 Concen: 11.47 ppbv
 RT: 5.36 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.8	17.8	26.6





#36

Benzene

Concen: 0.42 ppbv

RT: 7.05 min Scan# 1854

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

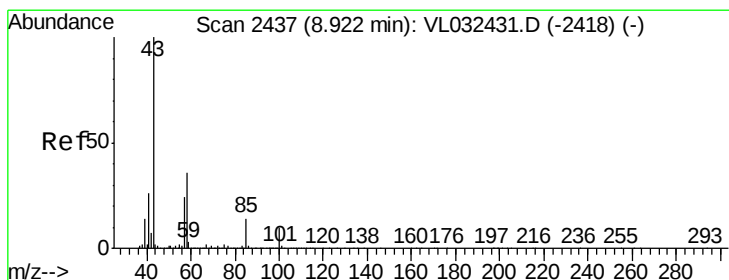
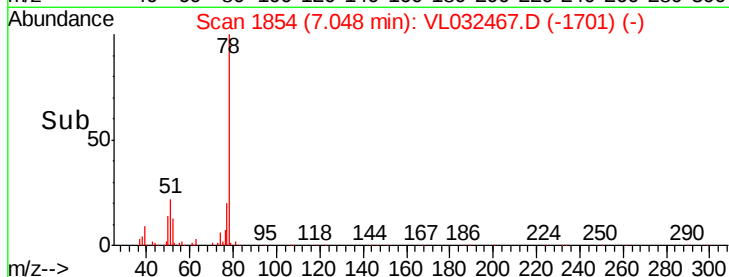
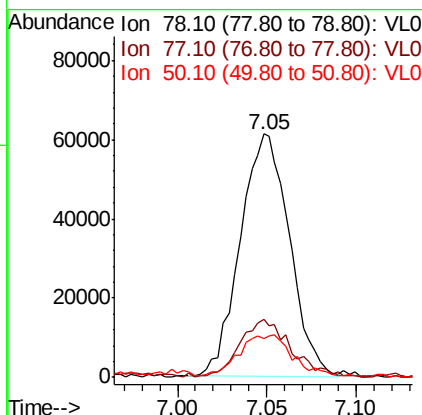
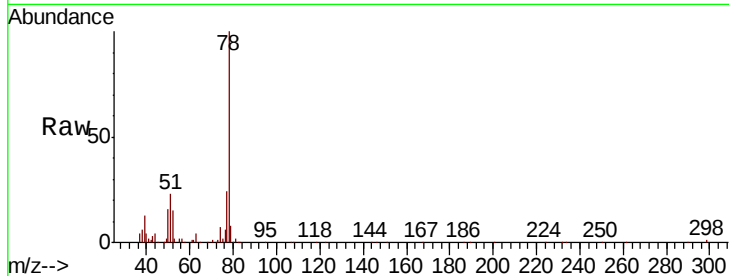
ClientSampleId :

VP-7

Tot Ion:	78	Resp:	118113
Ion	Ratio	Lower	Upper
78	100		
77	22.1	18.4	27.6
50	15.4	14.4	21.6

Manual Integrations
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9/7/2018 10:46:02 AM



#50

4-Methyl-2-Pentanone

Concen: 0.30 ppbv

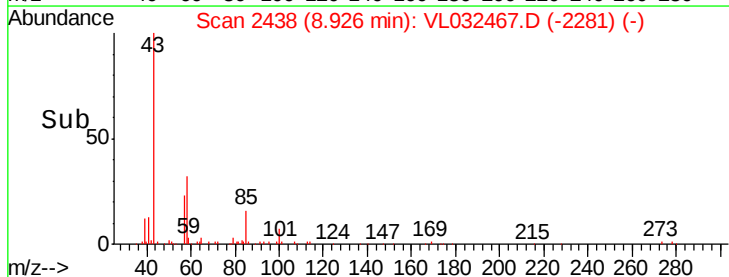
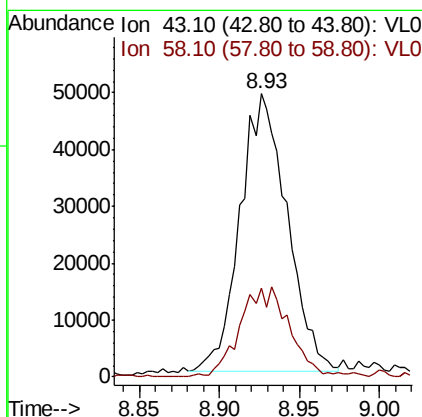
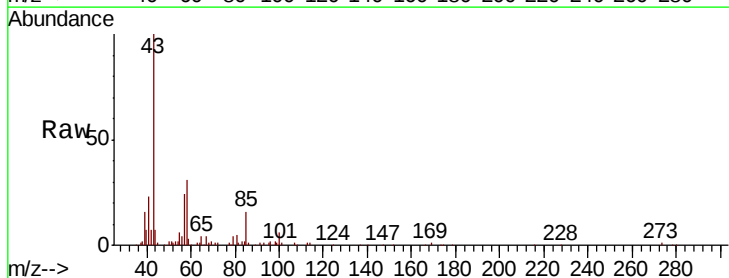
RT: 8.93 min Scan# 2438

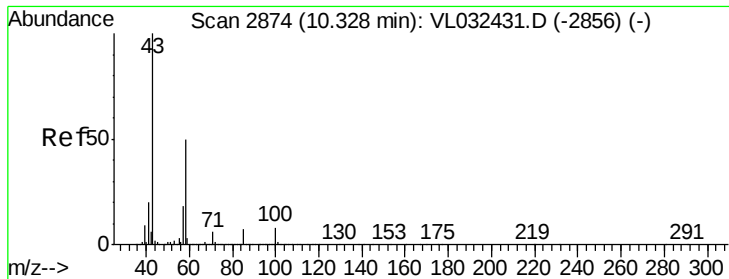
Delta R.T. 0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Tgt Ion:	43	Resp:	97825
Ion	Ratio	Lower	Upper
43	100		
58	34.5	29.0	43.4





#51

2-Hexanone

Concen: 0.57 ppbv

RT: 10.32 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

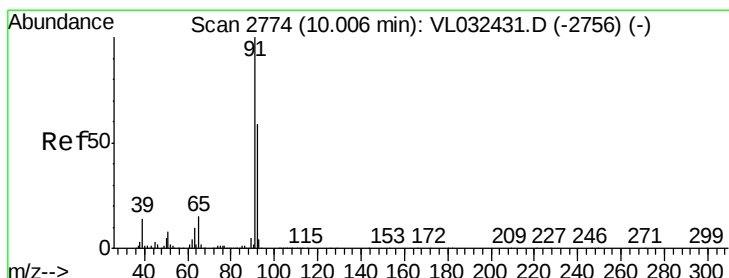
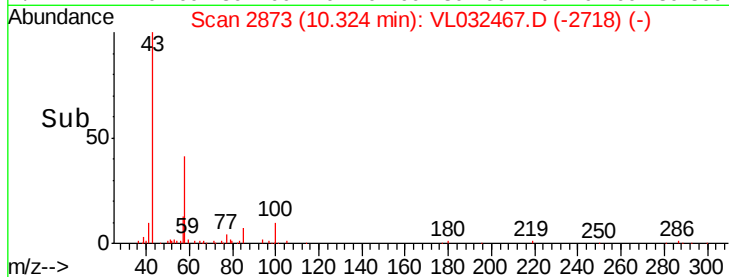
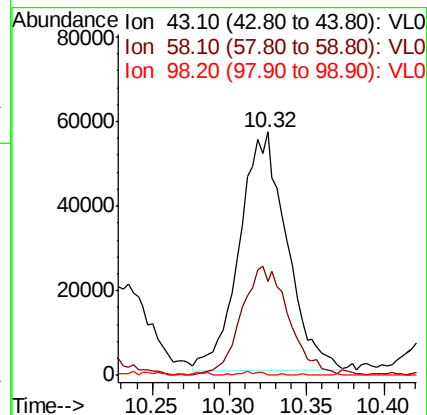
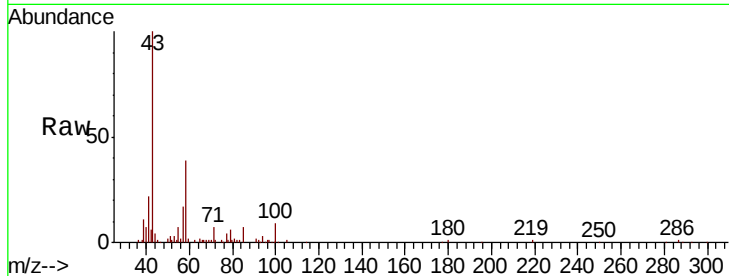
ClientSampleId :

VP-7

Tot Ion:	43	Resp:	119505
Ion	Ratio	Lower	Upper
43	100		
58	46.5	39.2	58.8
98	0.6	0.4	0.6

Manual Integrations
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#53

Toluene

Concen: 1.69 ppbv

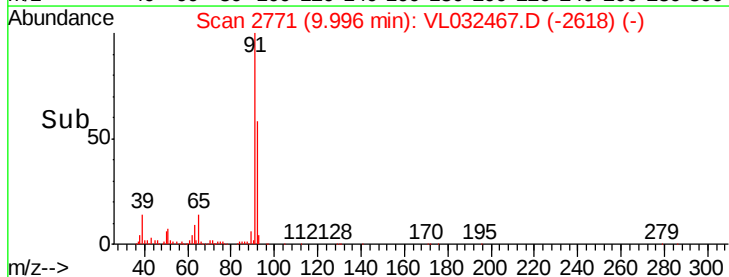
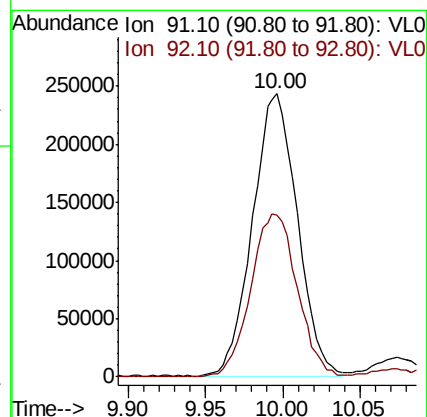
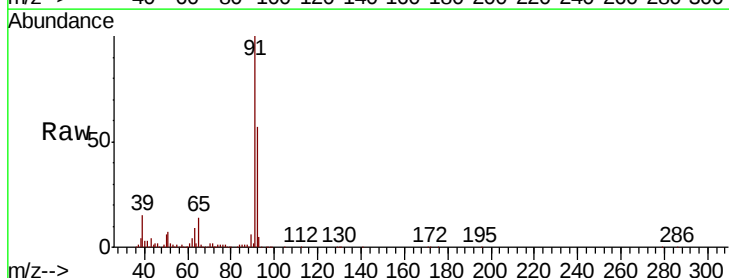
RT: 10.00 min Scan# 2771

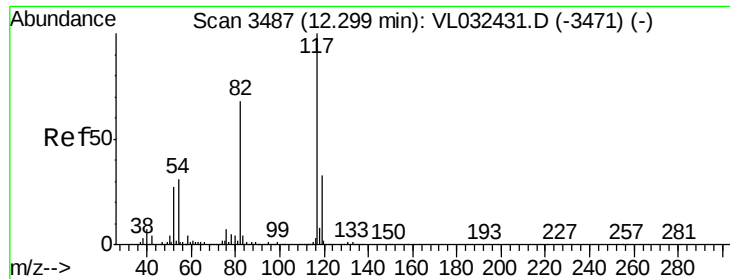
Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Tgt Ion:	91	Resp:	492526
Ion	Ratio	Lower	Upper
91	100		
92	59.2	48.1	72.1





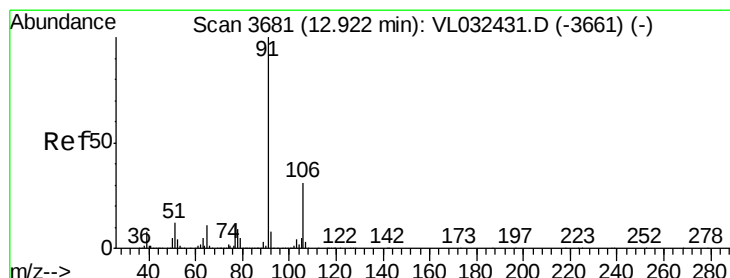
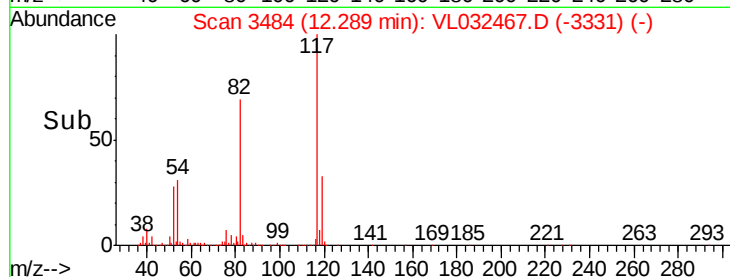
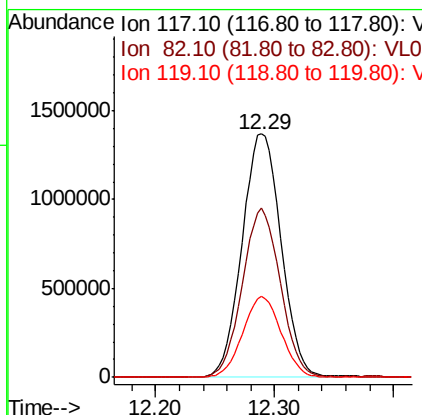
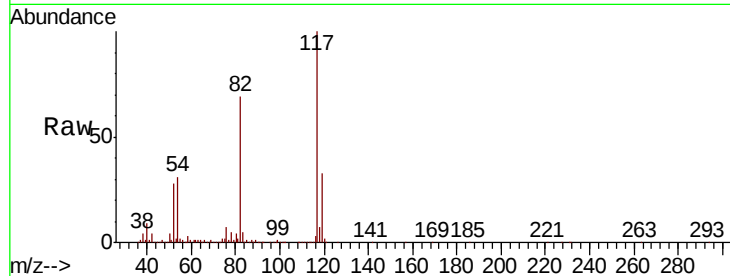
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.29 min Scan# 3484
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Instrument :
MSVOA_L
ClientSampled :
VP-7

Tot Ion	Ratio	Lower	Upper
117	100		
82	67.6	53.0	79.6
119	32.9	45.9	68.9#

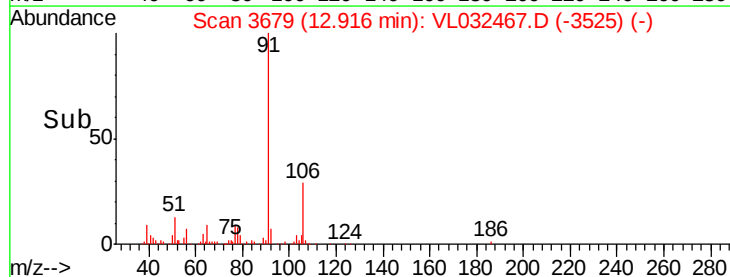
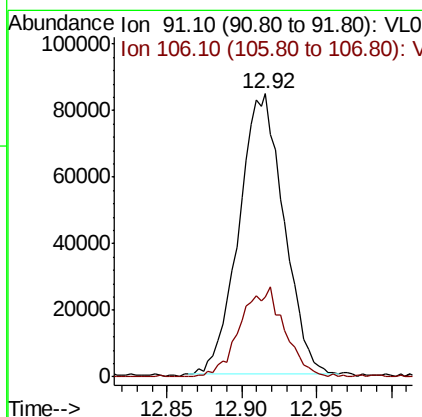
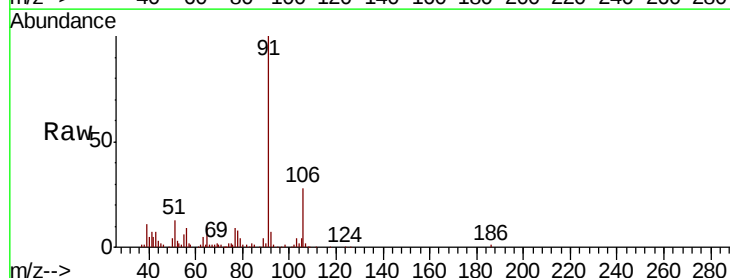
Manual Integrations
APPROVED

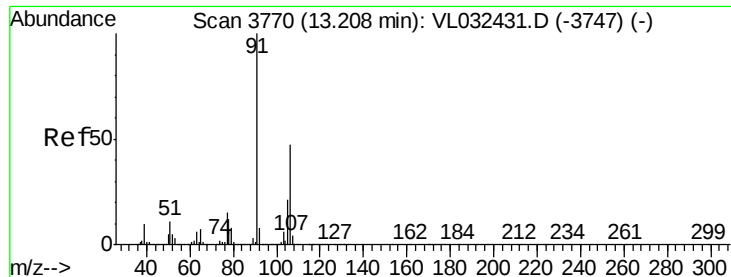
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#58
Ethyl Benzene
Concen: 0.47 ppbv
RT: 12.92 min Scan# 3679
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	28.6	24.8	37.2





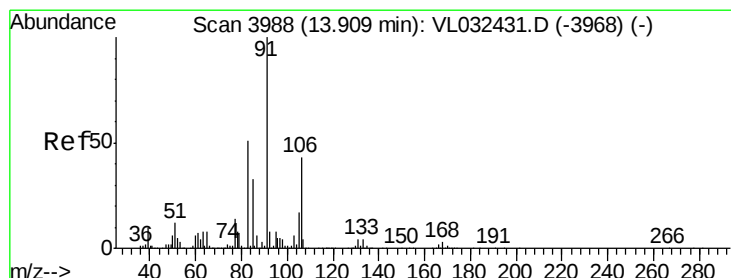
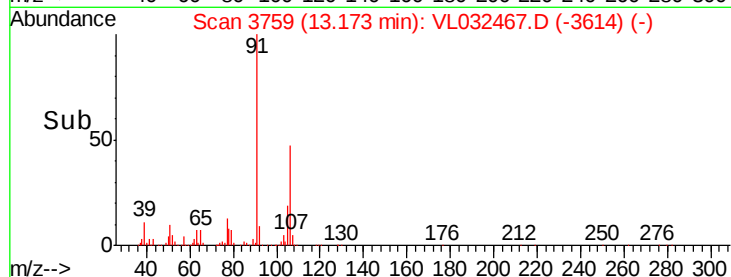
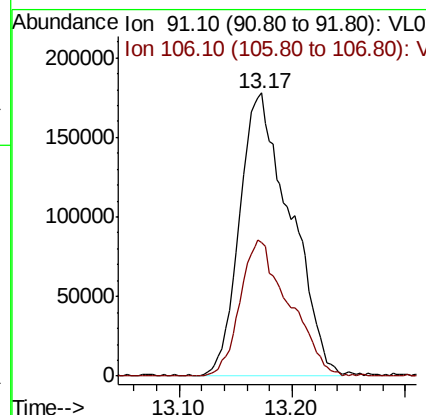
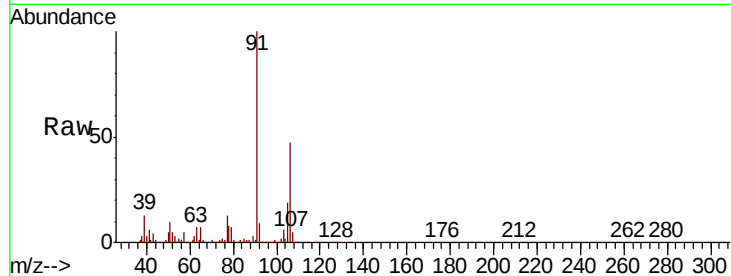
#59
m/p-Xylene
Concen: 1.66 ppbv
RT: 13.17 min Scan# 3759
Delta R.T. -0.04 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Instrument :
MSVOA_L
ClientSampled :
VP-7

Tot Ion	Ratio	Lower	Upper
91	100		
106	46.7	36.6	55.0

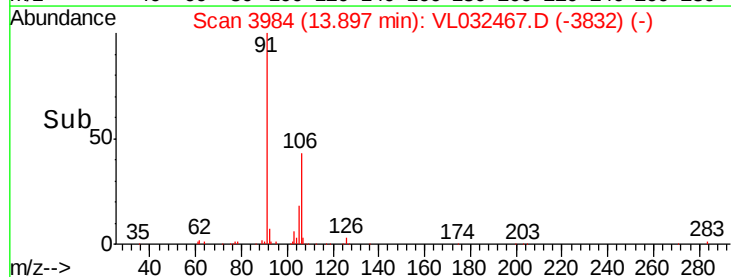
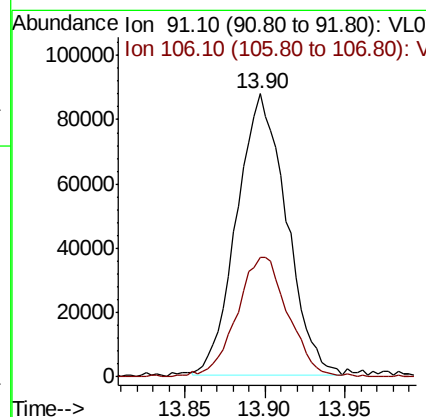
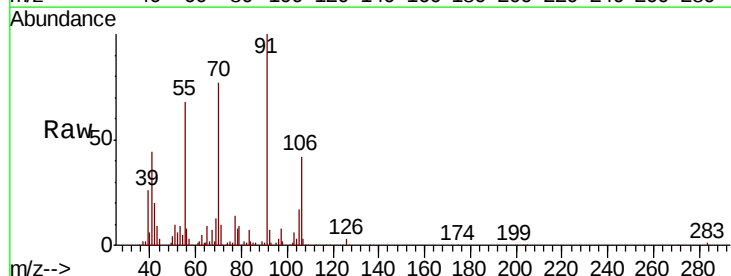
Manual Integrations
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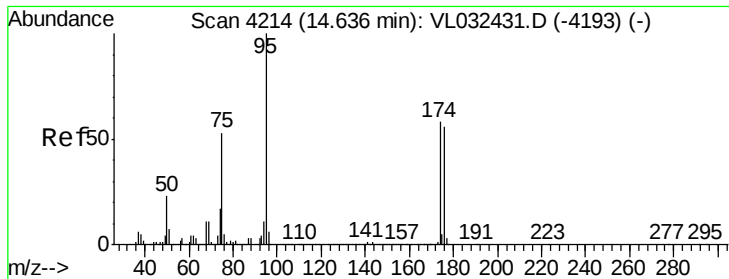
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#60
o-Xylene
Concen: 0.57 ppbv
RT: 13.90 min Scan# 3984
Delta R.T. -0.01 min
Lab File: VL032467.D
Acq: 5 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
91	100		
106	44.4	21.9	65.7





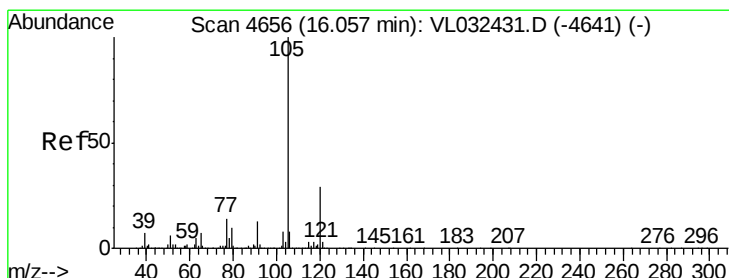
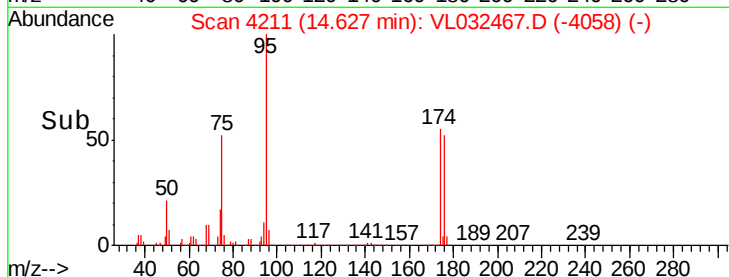
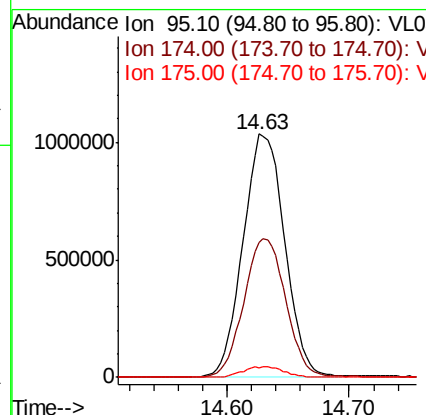
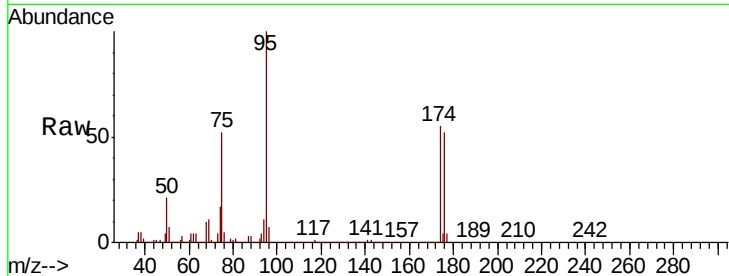
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.57 ppbv
 RT: 14.63 min Scan# 4211
 Delta R.T. -0.01 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Instrument :
 MSVOA_L
 ClientSampled :
 VP-7

Tot Ion	Ratio	Lower	Upper
95	100		
174	57.7	46.3	69.5
175	4.4	3.4	5.0

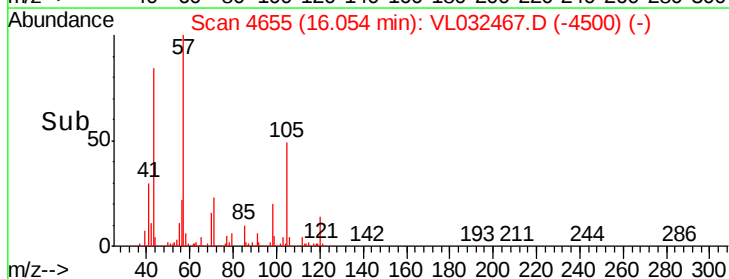
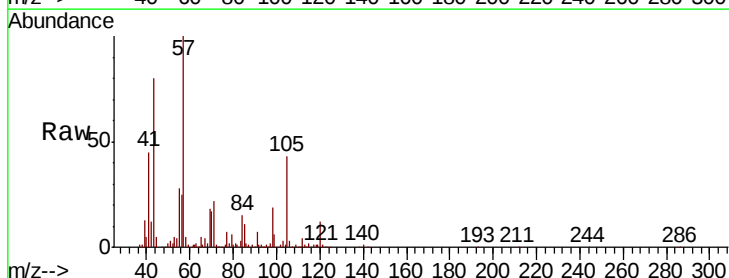
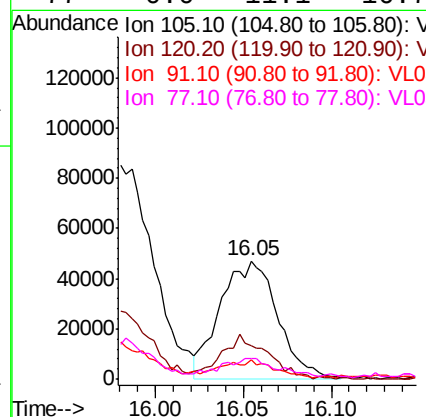
Manual Integrations
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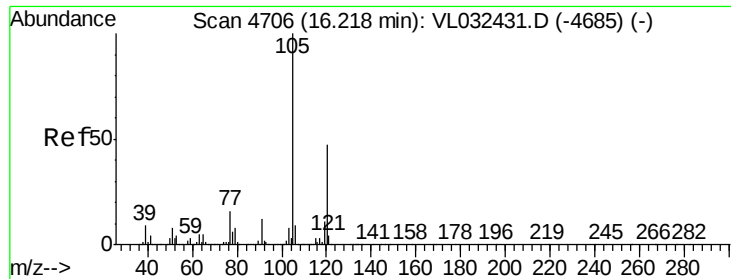
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#72
 4-Ethyltoluene
 Concen: 0.30 ppbv m
 RT: 16.05 min Scan# 4655
 Delta R.T. -0.00 min
 Lab File: VL032467.D
 Acq: 5 Sep 2018 21:28

Tgt Ion	Ratio	Lower	Upper
105	100		
120	31.1	23.5	35.3
91	0.0	10.2	15.2#
77	0.0	11.1	16.7#





#73

1,3,5-Trimethylbenzene

Concen: 0.16 ppbv m

RT: 16.21 min Scan# 4702

Delta R.T. -0.01 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Instrument :

MSVOA_L

ClientSampled :

VP-7

Tot Ion:105 Resp: 58274

Ion Ratio Lower Upper

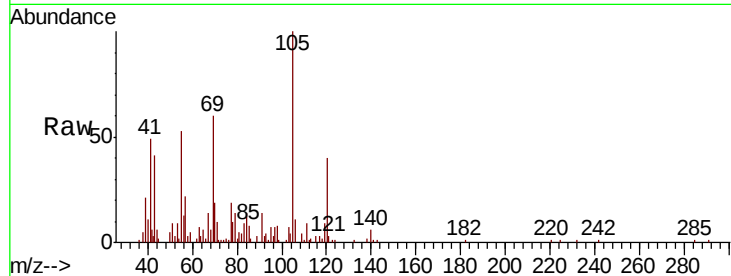
105 100

120 40.4 37.9 56.9

Manual Integrations
APPROVED

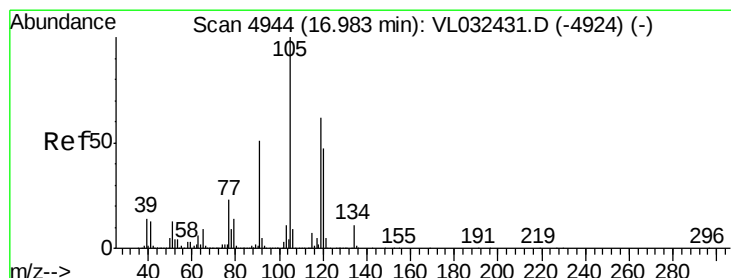
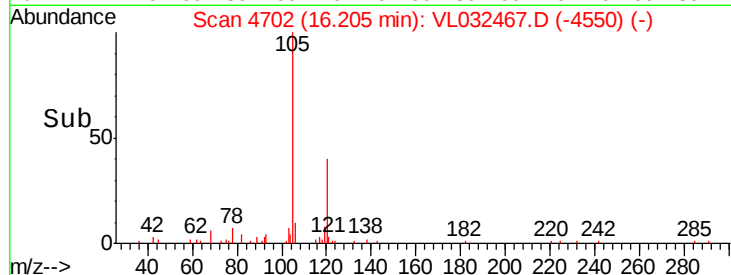
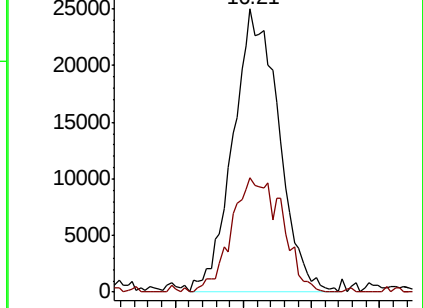
MMDadoda

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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: 0.59 ppbv

RT: 16.98 min Scan# 4943

Delta R.T. -0.00 min

Lab File: VL032467.D

Acq: 5 Sep 2018 21:28

Tgt Ion:105 Resp: 231523

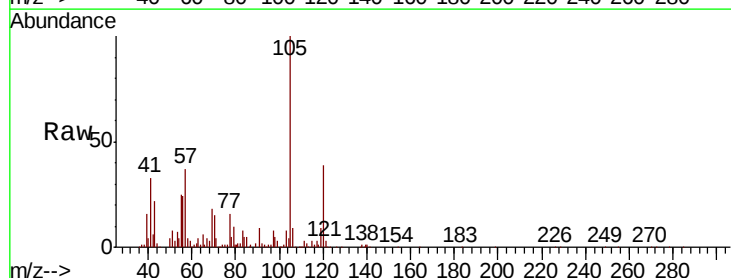
Ion Ratio Lower Upper

105 100

120 39.3 37.8 56.8

91 8.3 41.4 62.0#

77 14.4 18.6 28.0#



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

