

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071218\
 Data File : VL032238.D
 Acq On : 13 Jul 2018 5:37
 Operator : SY/AP
 Sample : J3753-01
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENT

Manual Integrations
 APPROVED

MMDadoda
 7/13/2018 5:22:18 PM

Quant Time: Jul 13 06:50:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
 QLast Update : Fri Jul 13 04:25:14 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1710370	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.38	114	3676853	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.34	117	4334562	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3354265	10.00	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.00%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.07	51	89613m	0.43	ppbv	
4) Chloromethane	3.22	50	37869	0.32	ppbv	97
7) Chloroethane	3.66	64	103303	2.55	ppbv	95
9) Propene	3.09	41	163016	1.82	ppbv	97
10) Heptane	8.34	43	210901	0.83	ppbv	99
11) Trichlorofluoromethane	4.07	101	101722	0.43	ppbv	96
12) 1,1,2-Trichlorotrifluoroet	4.62	101	254721	1.69	ppbv	99
13) Ethanol	3.75	45	9976746	385.77	ppbv	98
15) Acetone	3.96	43	6895756	34.74	ppbv	99
17) tert-Butyl alcohol	4.46	59	798050	8.61	ppbv	98
18) 1,1-Dichloroethene	4.42	96	96390	1.38	ppbv	97
19) Isopropyl Alcohol	4.13	45	5638216	43.26	ppbv	100
20) Methylene Chloride	4.48	84	620291	9.22	ppbv	96
22) trans-1,2-Dichloroethene	5.04	96	67866	1.02	ppbv	93
24) 1,1-Dichloroethane	5.17	63	3359758	14.50	ppbv	98
26) Hexane	5.86	57	545106	3.04	ppbv #	58
29) Chloroform	5.93	83	35938	0.13	ppbv	95
30) Cyclohexane	7.33	84	82058	0.52	ppbv	97
31) cis-1,2-Dichloroethene	5.72	61	24245m	0.14	ppbv	
32) 1,1,1-Trichloroethane	6.70	97	11219417	41.80	ppbv	97
34) 2-Butanone	5.40	43	1481238	5.91	ppbv	99
35) Carbon Tetrachloride	7.21	117	19189m	0.08	ppbv	
36) Benzene	7.09	78	192828	0.53	ppbv	97
38) Trichloroethene	8.05	130	26713m	0.21	ppbv	
41) Tetrahydrofuran	6.24	42	78012	0.56	ppbv	94
44) 2,2,4-Trimethylpentane	8.08	57	1535186	2.44	ppbv	95
50) 4-Methyl-2-Pentanone	8.96	43	239997m	0.55	ppbv	
52) Tetrachloroethene	11.47	164	19442m	0.14	ppbv	
53) Toluene	10.04	91	1941667	4.49	ppbv	100
57) Chlorobenzene	12.40	112	33273m	0.09	ppbv	
58) Ethyl Benzene	12.96	91	575799	0.91	ppbv	95
59) m/p-Xylene	13.22	91	1681781	3.24	ppbv	99
60) o-Xylene	13.94	91	656365	1.28	ppbv	100
61) Styrene	13.78	104	39535m	0.10	ppbv	
64) n-propylbenzene	15.81	120	38414	0.21	ppbv	98
69) p-Isopropyltoluene	17.91	119	2614387	3.82	ppbv	99
72) 4-Ethyltoluene	16.10	105	215809m	0.38	ppbv	
73) 1,3,5-Trimethylbenzene	16.26	105	176668m	0.33	ppbv	
74) 1,2,4-Trimethylbenzene	17.02	105	550231m	1.01	ppbv	

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INFLUENT

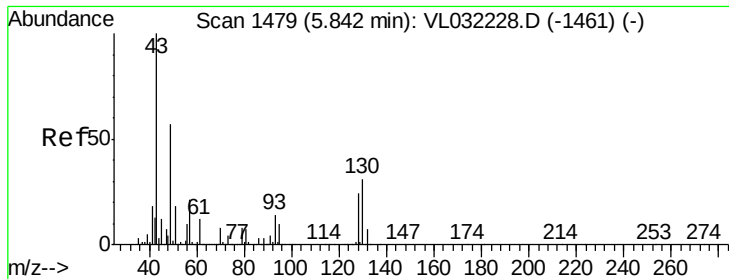
Manual Integrations
APPROVED

MMDadoda
7/13/2018 5:22:18 PM

Quant Time: Jul 13 06:50:24 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071218AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jul 13 2018
QLast Update : Fri Jul 13 04:25:14 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.85 min Scan# 1480

Delta R.T. 0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 49 Resp: 1710370

Ion Ratio Lower Upper

49 100

128 40.6 20.9 62.8

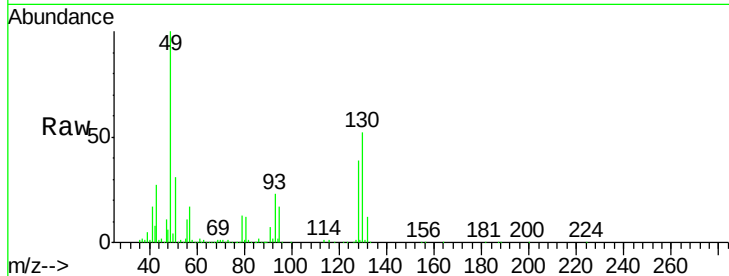
130 51.6 27.0 81.0

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.85

1200000

1000000

800000

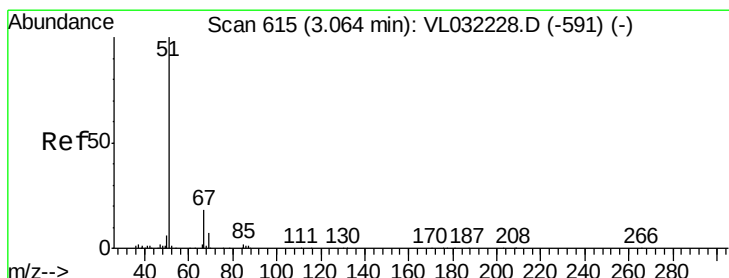
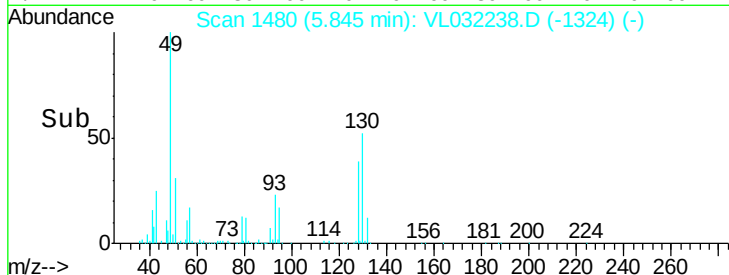
600000

400000

200000

0

Time-->



#3

Chlorodifluoromethane

Concen: 0.43 ppbv m

RT: 3.07 min Scan# 616

Delta R.T. 0.00 min

Lab File: VL032238.D

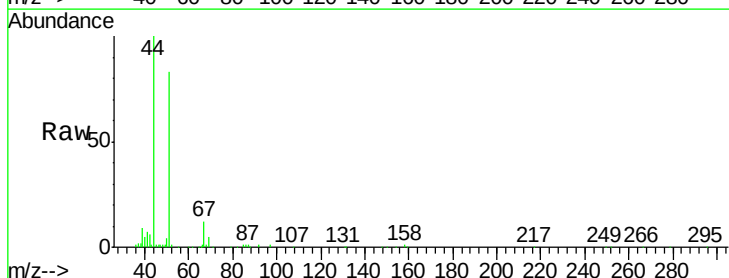
Acq: 13 Jul 2018 5:37

Tgt Ion: 51 Resp: 89613

Ion Ratio Lower Upper

51 100

67 16.5 14.6 22.0



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0

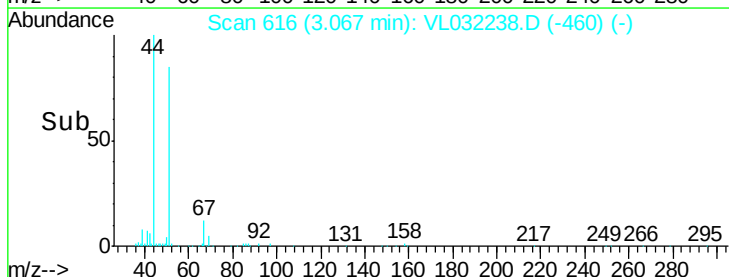
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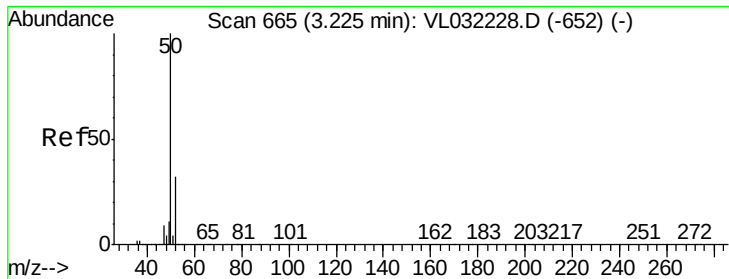
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50000

0

Time-->





#4

Chloromethane

Concen: 0.32 ppbv

RT: 3.22 min Scan# 665

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 50 Resp: 37869

Ion Ratio Lower Upper

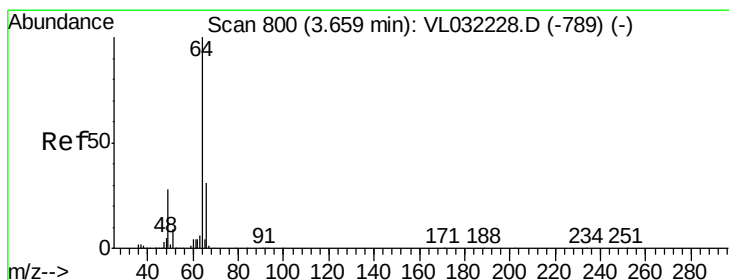
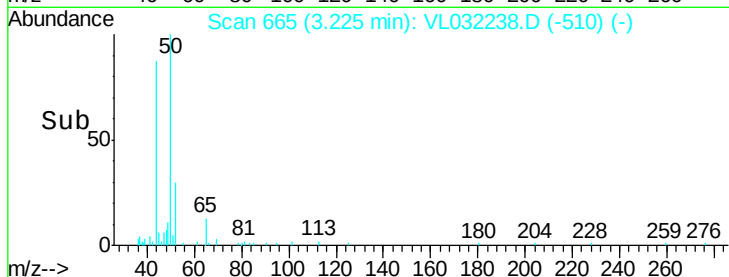
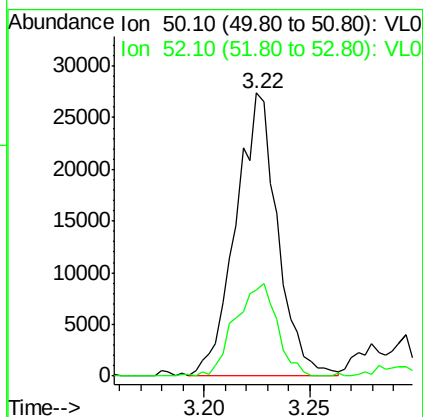
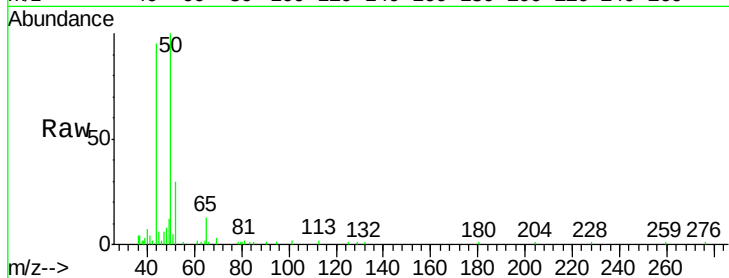
50 100

52 30.2 25.7 38.5

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#7

Chloroethane

Concen: 2.55 ppbv

RT: 3.66 min Scan# 801

Delta R.T. 0.00 min

Lab File: VL032238.D

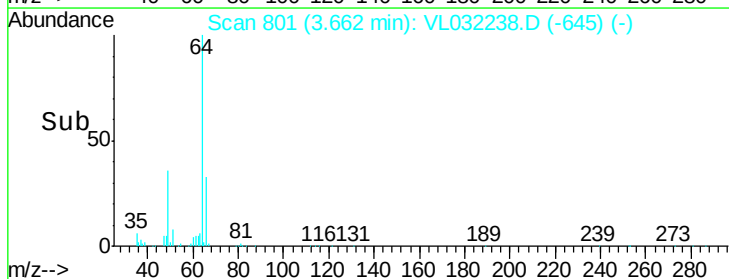
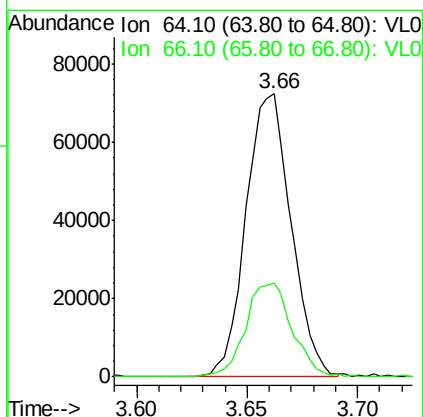
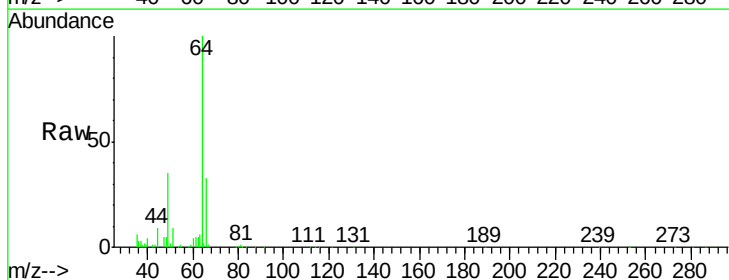
Acq: 13 Jul 2018 5:37

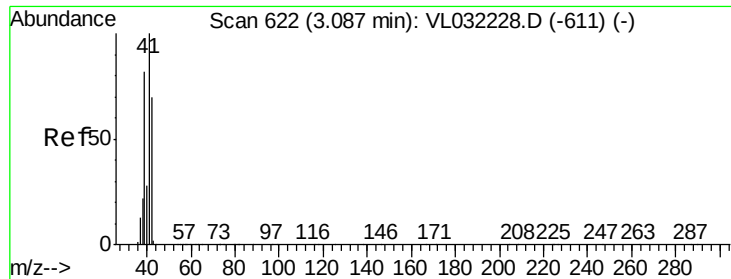
Tgt Ion: 64 Resp: 103303

Ion Ratio Lower Upper

64 100

66 33.0 24.4 36.6





#9

Propene

Concen: 1.82 ppbv

RT: 3.09 min Scan# 622

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 41 Resp: 163016

Ion Ratio Lower Upper

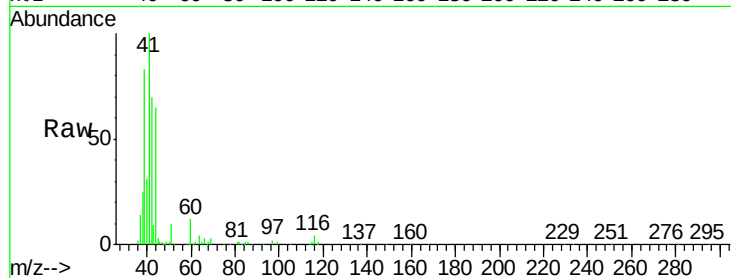
41 100

42 67.8 56.2 84.4

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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

3.09

120000

100000

80000

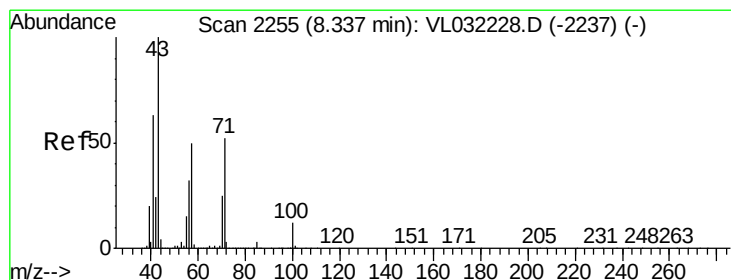
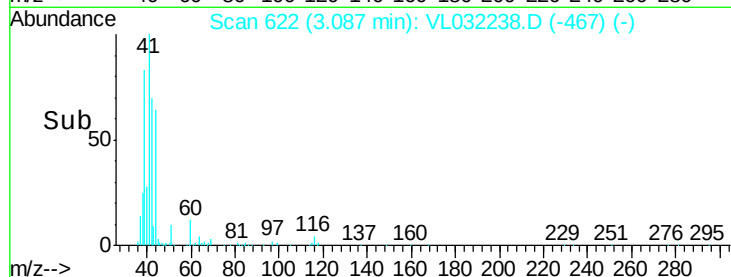
60000

40000

20000

0

Time-->



#10

Heptane

Concen: 0.83 ppbv

RT: 8.34 min Scan# 2255

Delta R.T. -0.00 min

Lab File: VL032238.D

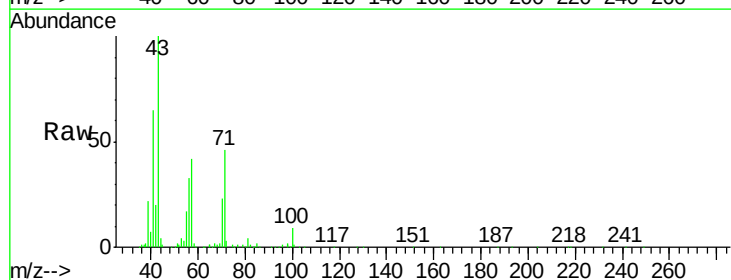
Acq: 13 Jul 2018 5:37

Tgt Ion: 43 Resp: 210901

Ion Ratio Lower Upper

43 100

57 50.3 40.7 61.1



Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 57.10 (56.80 to 57.80): VL0

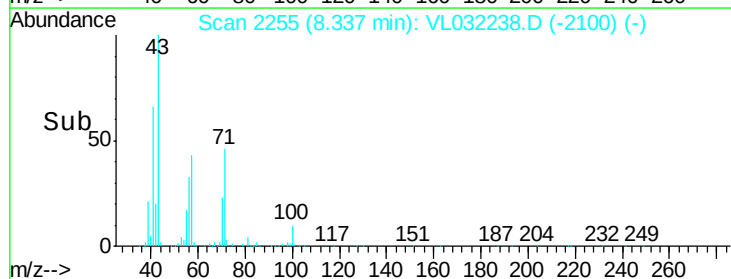
8.34

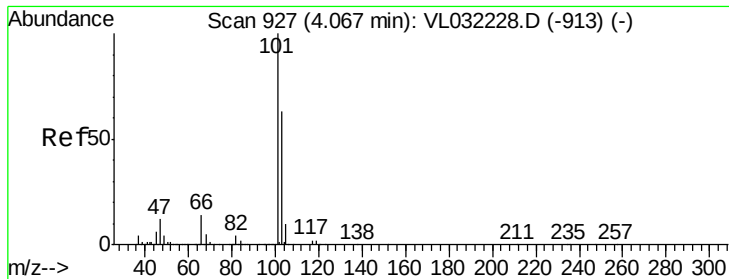
100000

50000

0

Time-->





#11

Trichlorofluoromethane

Concen: 0.43 ppbv

RT: 4.07 min Scan# 927

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion:101 Resp: 101722

Ion Ratio Lower Upper

101 100

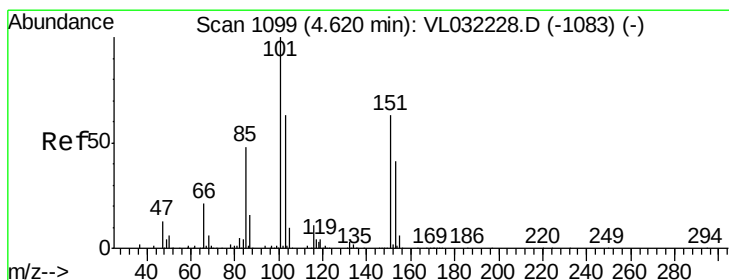
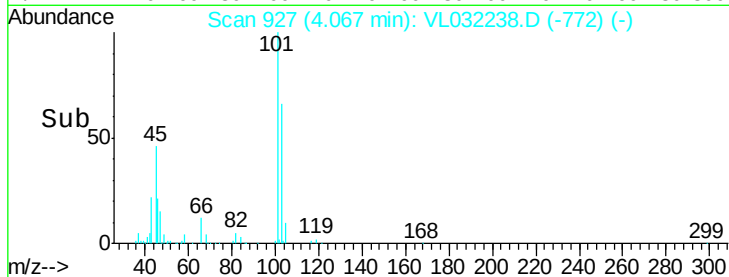
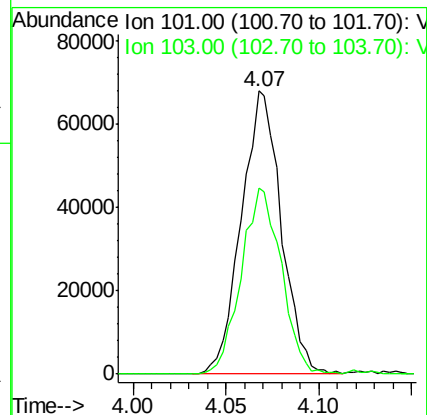
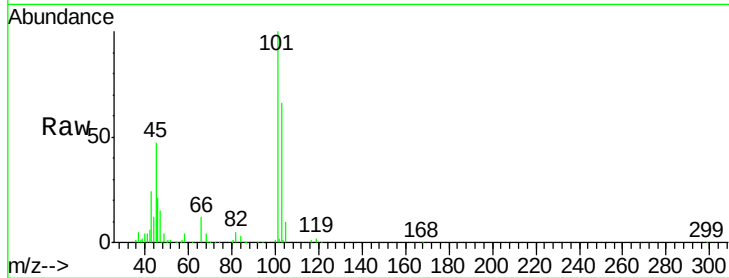
103 65.7 50.2 75.2

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#12

1,1,2-Trichlorotrifluoroethane

Concen: 1.69 ppbv

RT: 4.62 min Scan# 1099

Delta R.T. -0.00 min

Lab File: VL032238.D

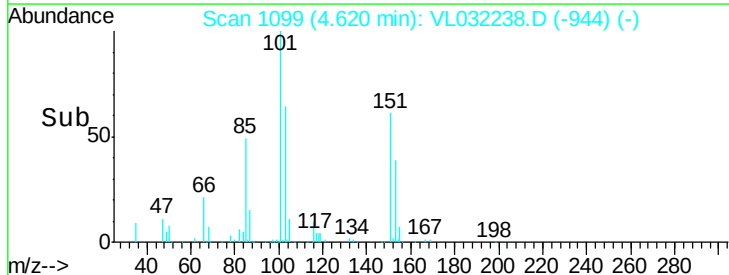
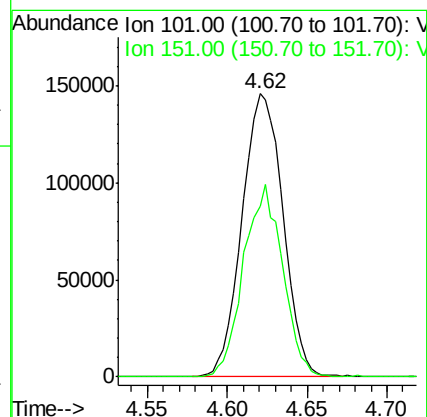
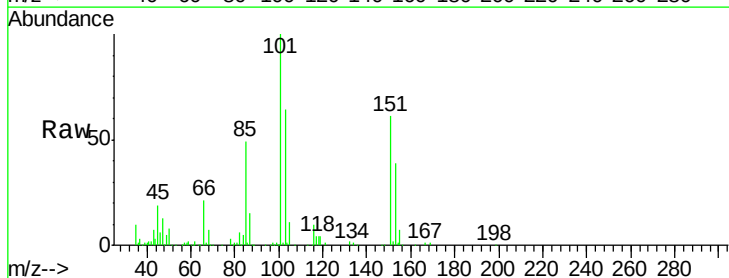
Acq: 13 Jul 2018 5:37

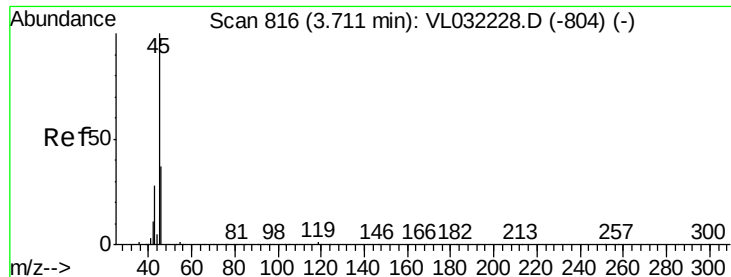
Tgt Ion:101 Resp: 254721

Ion Ratio Lower Upper

101 100

151 64.7 52.2 78.2





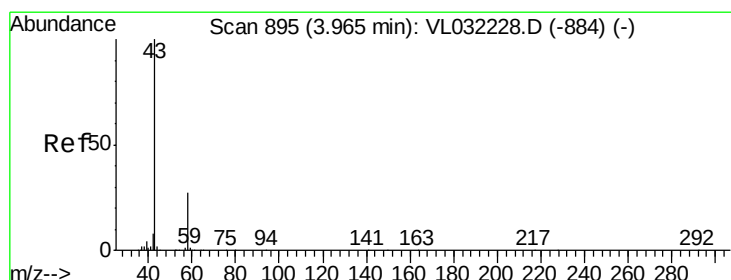
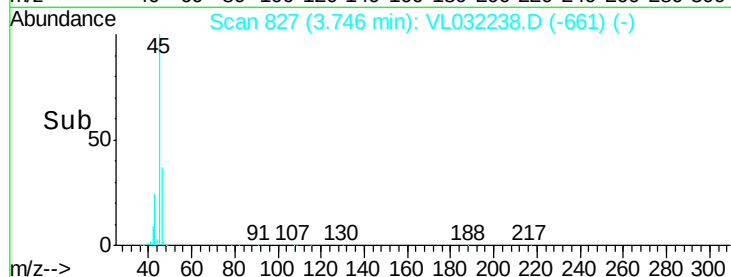
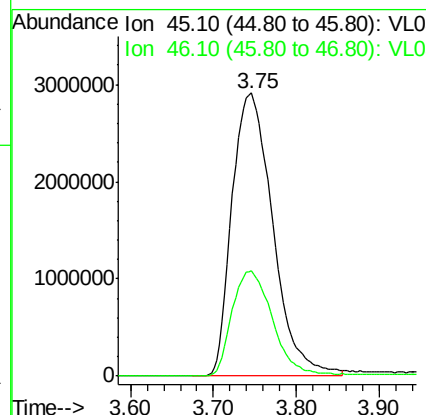
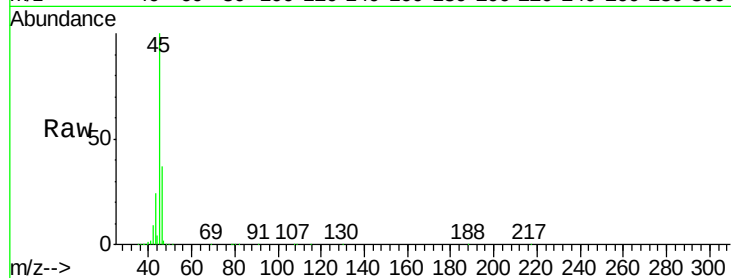
#13
Ethanol
Concen: 385.77 ppbv
RT: 3.75 min Scan# 827
Delta R.T. 0.04 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion: 45 Resp: 9976746
Ion Ratio Lower Upper
45 100
46 37.3 15.5 61.9

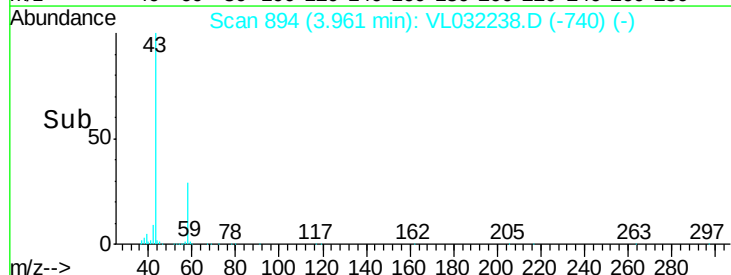
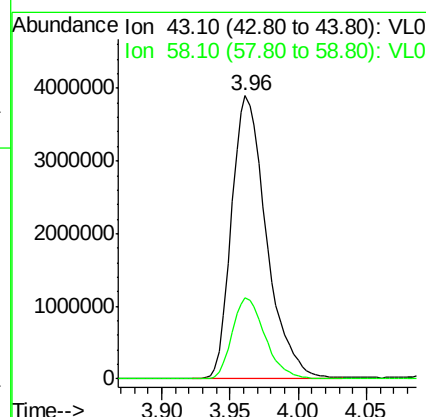
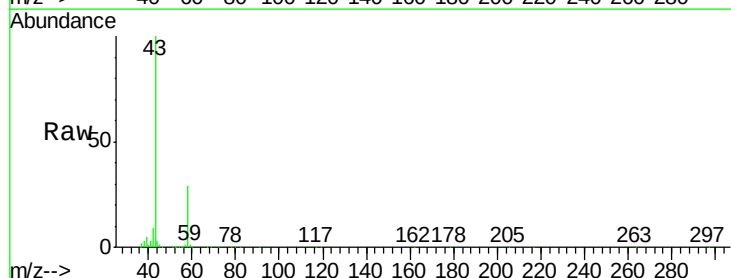
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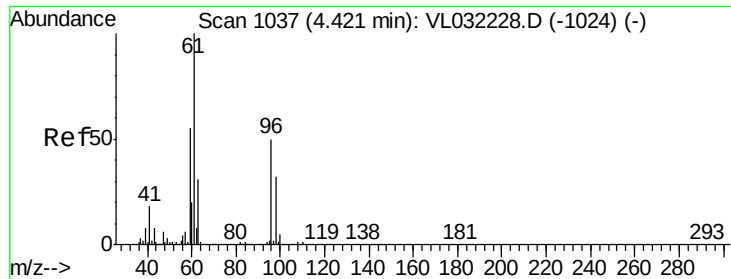
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#15
Acetone
Concen: 34.74 ppbv
RT: 3.96 min Scan# 894
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Tgt Ion: 43 Resp: 6895756
Ion Ratio Lower Upper
43 100
58 27.3 21.5 32.3





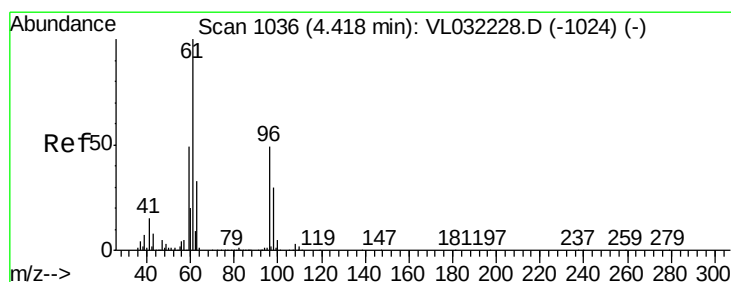
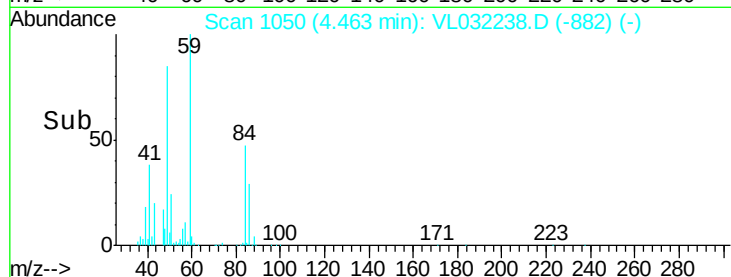
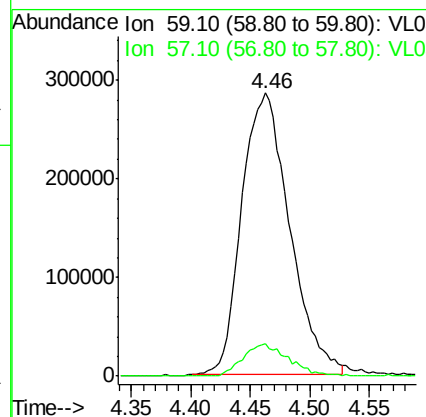
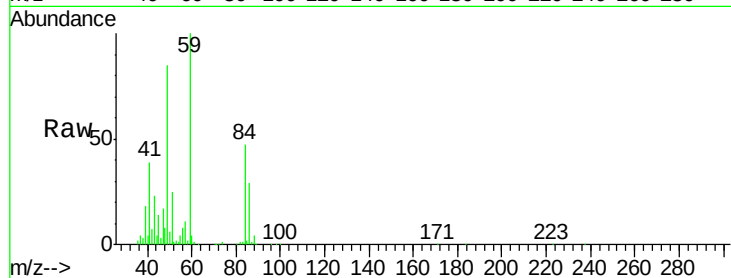
#17
 tert-Butyl alcohol
 Concen: 8.61 ppbv
 RT: 4.46 min Scan# 1050
 Delta R.T. 0.04 min
 Lab File: VL032238.D
 Acq: 13 Jul 2018 5:37

Instrument :
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Tot Ion	Ratio	Lower	Upper
59	100		
57	11.1	8.4	12.6

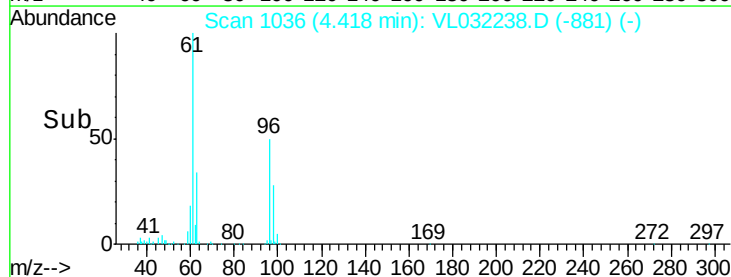
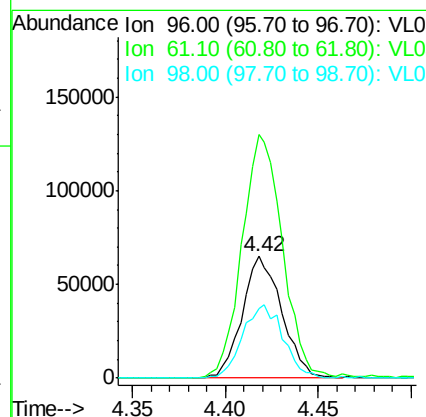
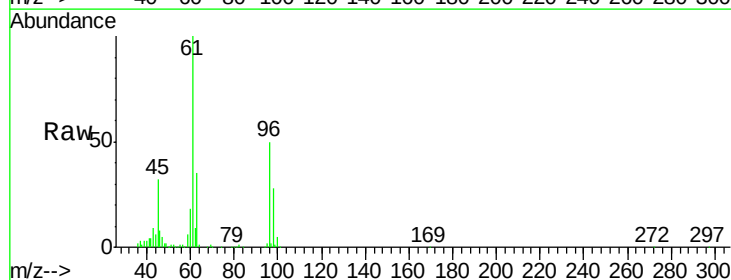
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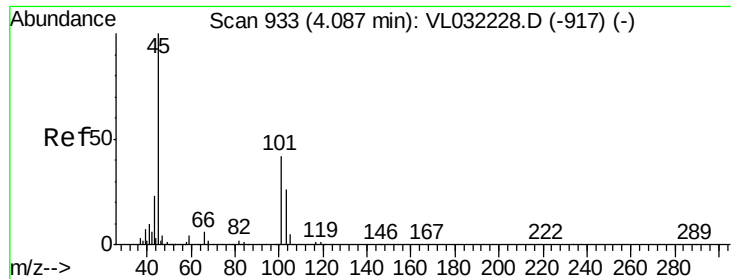
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#18
 1,1-Dichloroethene
 Concen: 1.38 ppbv
 RT: 4.42 min Scan# 1036
 Delta R.T. -0.00 min
 Lab File: VL032238.D
 Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	199.3	163.0	244.4
98	56.9	48.5	72.7





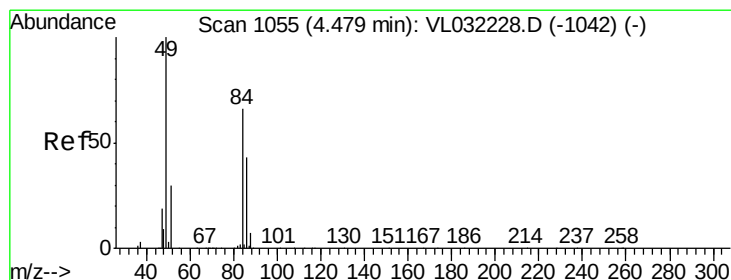
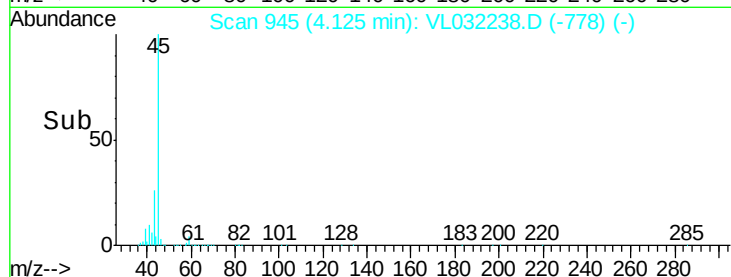
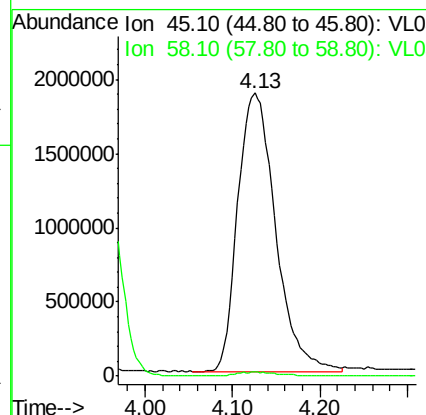
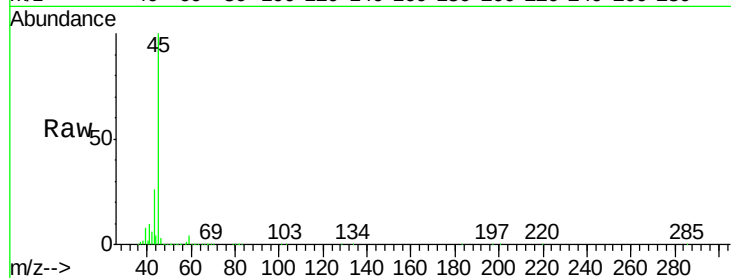
#19
Isopropyl Alcohol
Concen: 43.26 ppbv
RT: 4.13 min Scan# 945
Delta R.T. 0.04 min
Lab File: VL032228.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion: 45 Resp: 5638216
Ion Ratio Lower Upper
45 100
58 1.6 1.3 1.9

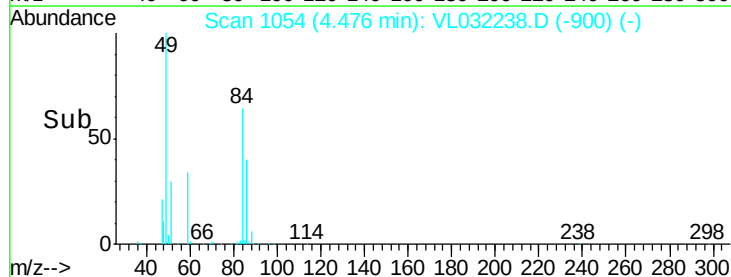
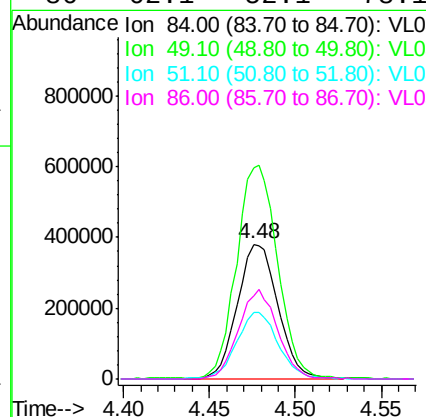
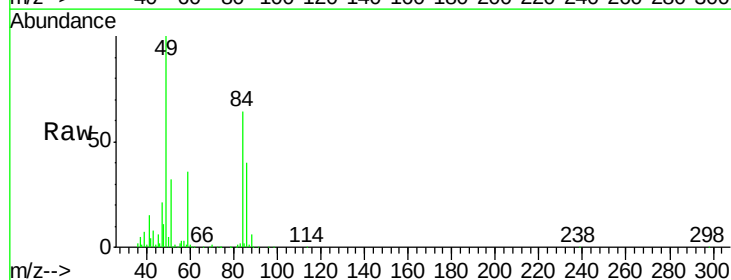
Manual Integrations
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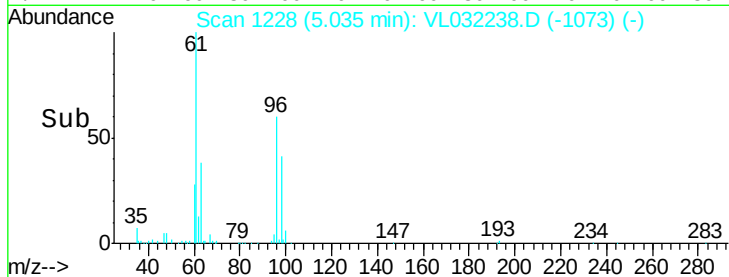
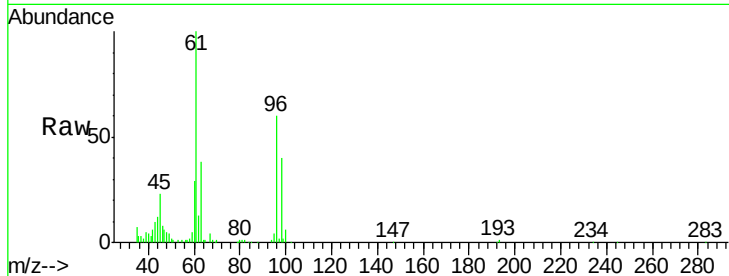
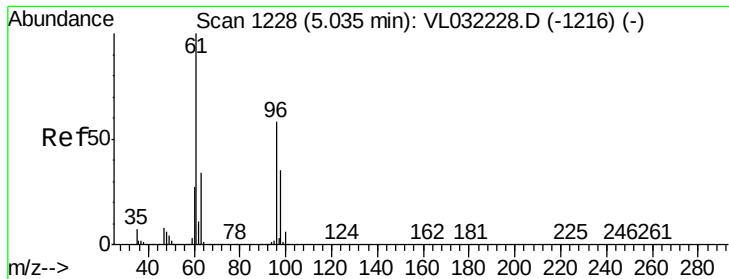
MMDadoda
7/13/2018 5:22:18 PM



#20
Methylene Chloride
Concen: 9.22 ppbv
RT: 4.48 min Scan# 1054
Delta R.T. -0.00 min
Lab File: VL032228.D
Acq: 13 Jul 2018 5:37

Tgt Ion: 84 Resp: 620291
Ion Ratio Lower Upper
84 100
49 156.2 121.8 182.6
51 48.9 36.3 54.5
86 62.1 52.1 78.1





#22

trans-1,2-Dichloroethene

Concen: 1.02 ppbv

RT: 5.04 min Scan# 1228

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Tot Ion:	96	Resp:	67866
Ion Ratio	Lower	Upper	
96	100		
61	165.9	139.1	208.7
98	67.3	48.4	72.6

Instrument :

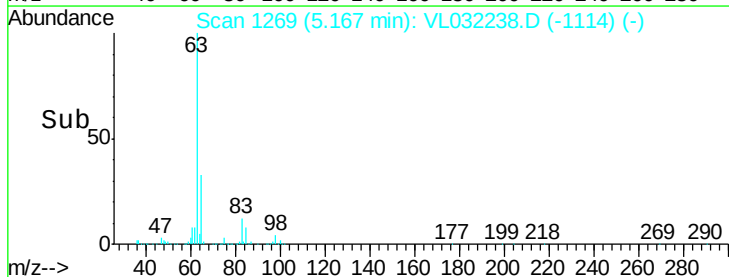
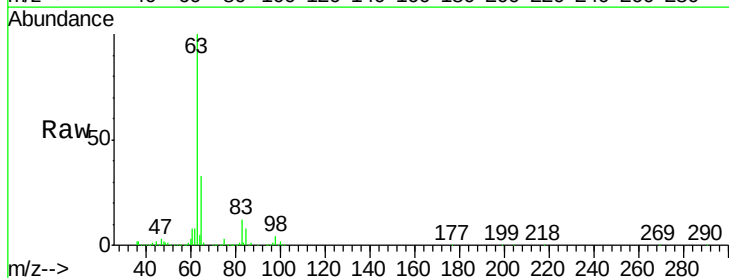
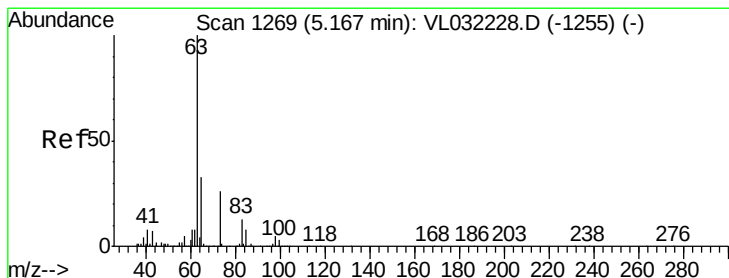
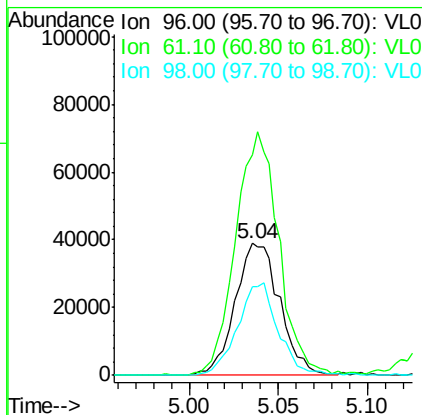
MSVOA_L

ClientSampleId :

INFLUENT

Manual Integrations
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MMDadoda
7/13/2018 5:22:18 PM



#24

1,1-Dichloroethane

Concen: 14.50 ppbv

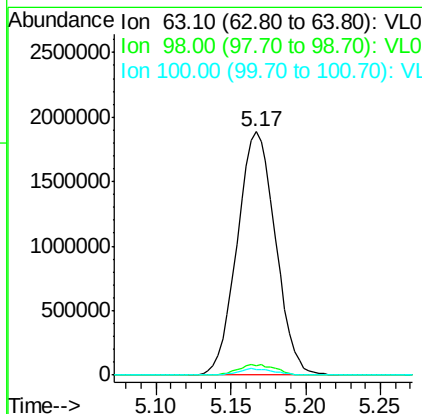
RT: 5.17 min Scan# 1269

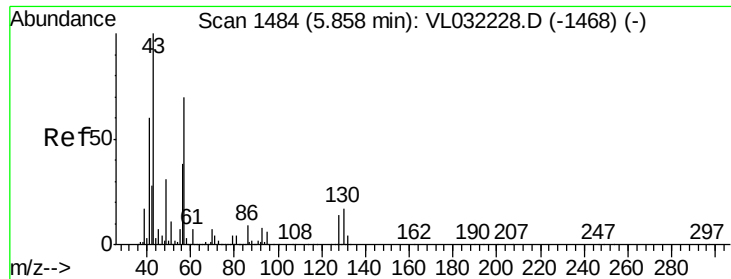
Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Tgt Ion:	63	Resp:	3359758
Ion Ratio	Lower	Upper	
63	100		
98	4.0	2.4	7.1
100	2.4	1.5	4.4





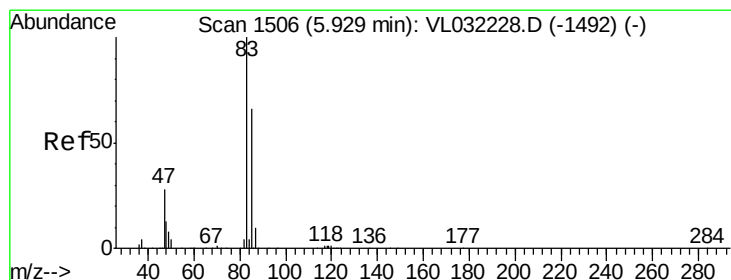
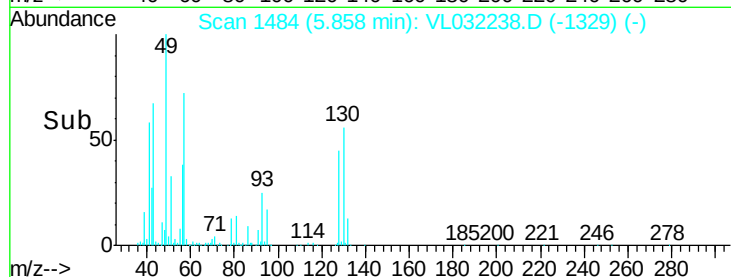
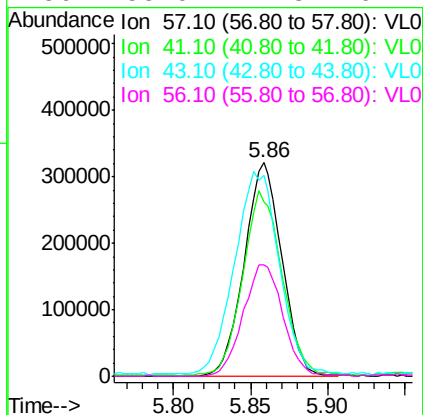
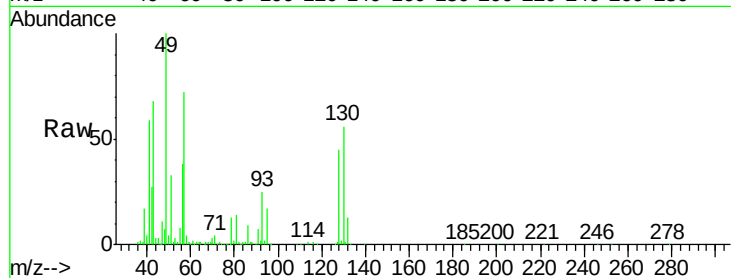
#26
Hexane
Concen: 3.04 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion	Ratio	Lower	Upper
57	100		
41	90.5	68.7	103.1
43	113.1	176.2	264.2#
56	55.0	42.8	64.2

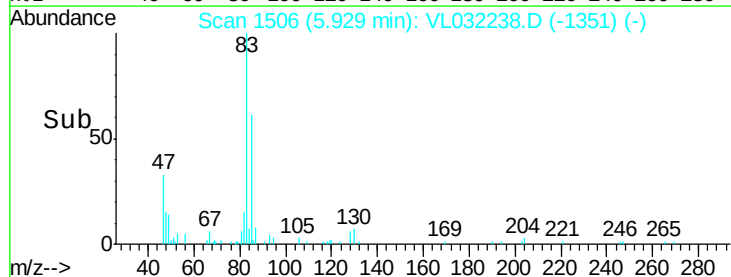
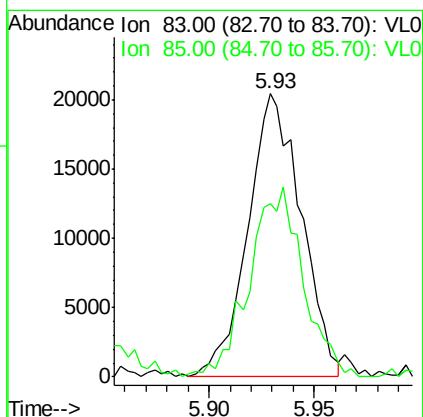
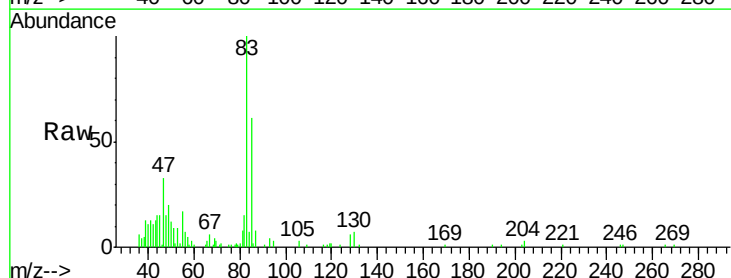
Manual Integrations
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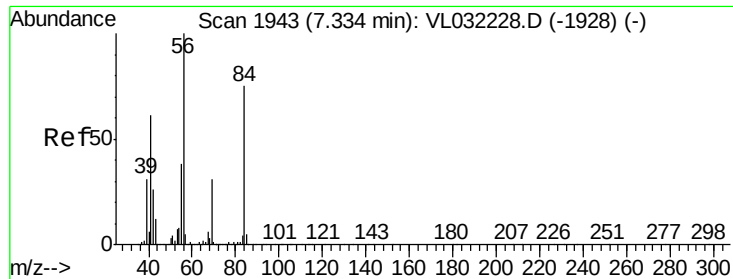
MMDadoda
7/13/2018 5:22:18 PM



#29
Chloroform
Concen: 0.13 ppbv
RT: 5.93 min Scan# 1506
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
83	100		
85	62.3	52.7	79.1





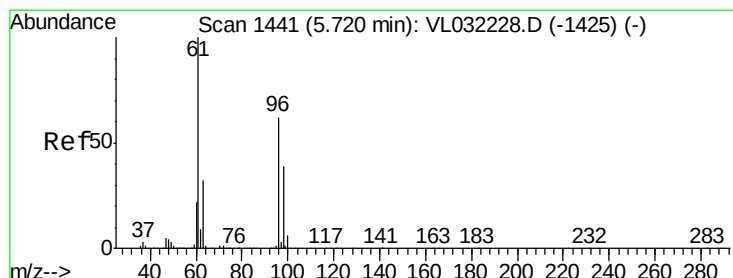
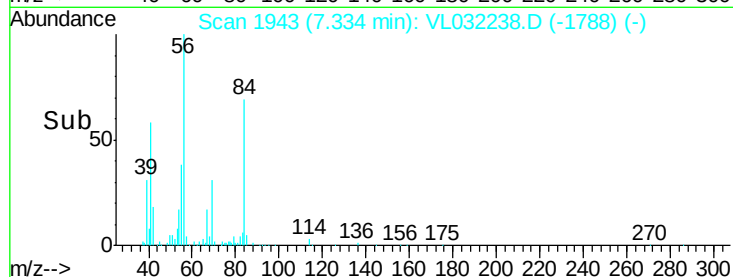
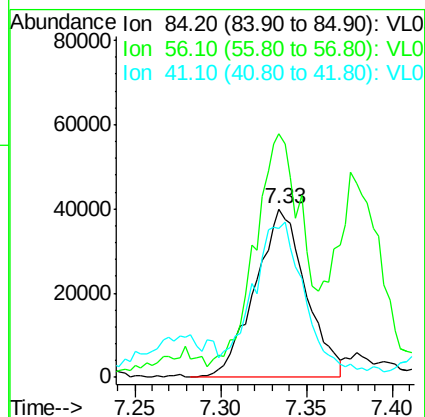
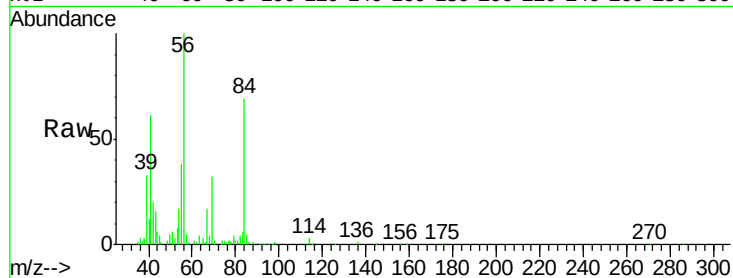
#30
Cyclohexane
Concen: 0.52 ppbv
RT: 7.33 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion	Ratio	Lower	Upper
84	100		
56	142.6	112.6	168.8
41	89.2	67.0	100.6

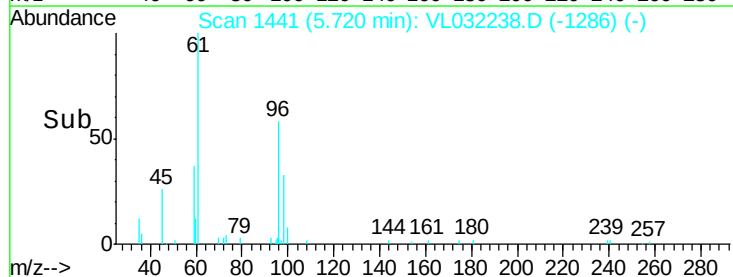
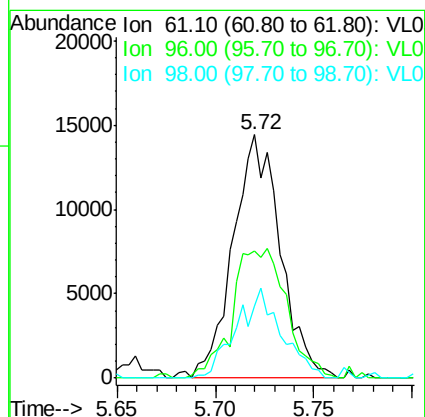
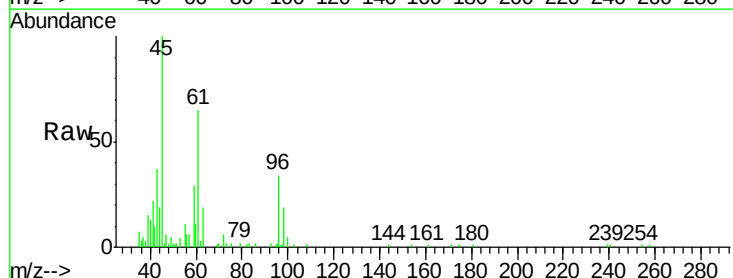
Manual Integrations
APPROVED

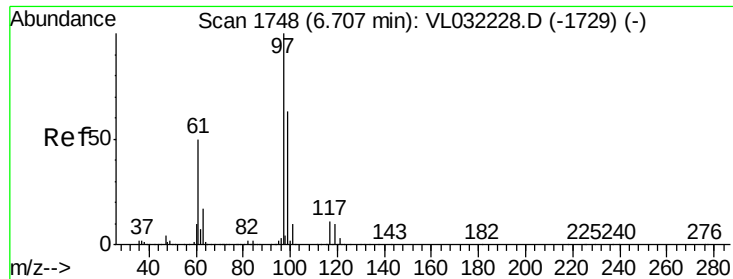
MMDadoda
7/13/2018 5:22:18 PM



#31
cis-1,2-Dichloroethene
Concen: 0.14 ppbv m
RT: 5.72 min Scan# 1441
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
61	100		
96	52.0	49.8	74.8
98	29.5	31.4	47.2#





#32

1,1,1-Trichloroethane

Concen: 41.80 ppbv

RT: 6.70 min Scan# 1747

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 97 Resp: 11219417

Ion Ratio Lower Upper

97 100

99 67.1 51.2 76.8

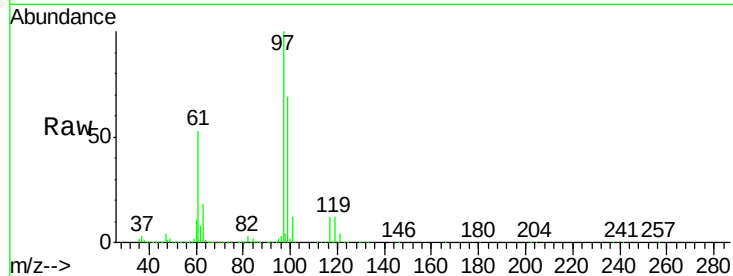
61 52.9 41.3 61.9

Manual Integrations

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MMDadoda

7/13/2018 5:22:18 PM

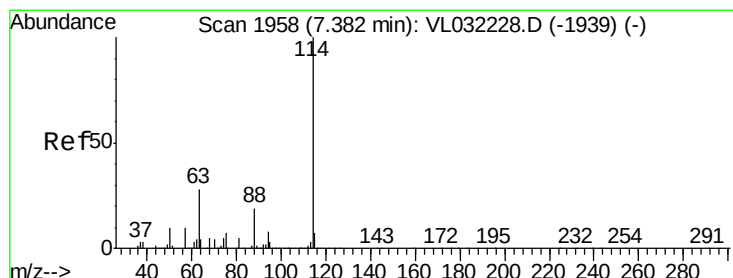
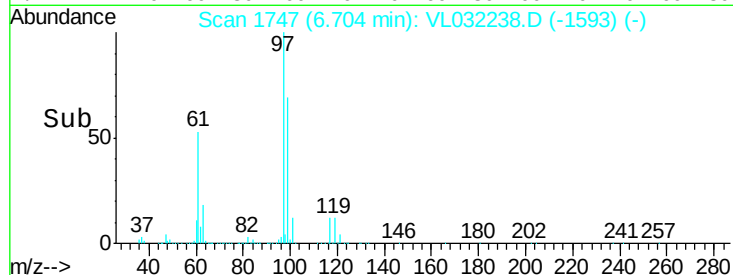
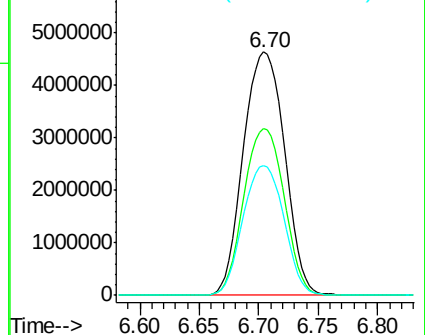


Abundance

Ion 97.00 (96.70 to 97.70): VL0

Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



#33

1,4-Difluorobenzene

Concen: 10.00 ppbv

RT: 7.38 min Scan# 1957

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

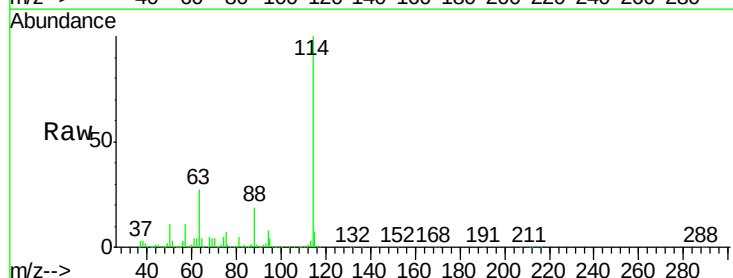
Tgt Ion: 114 Resp: 3676853

Ion Ratio Lower Upper

114 100

63 28.0 22.5 33.7

88 18.9 15.4 23.0

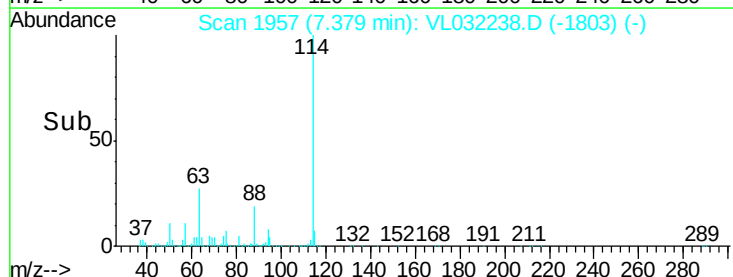
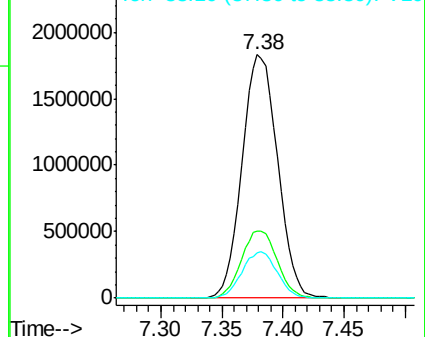


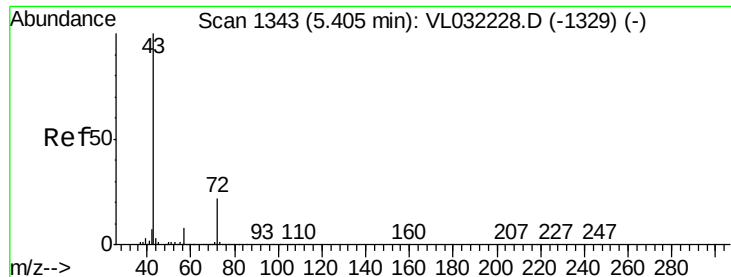
Abundance

Ion 114.10 (113.80 to 114.80): VL0

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0





#34

2-Butanone

Concen: 5.91 ppbv

RT: 5.40 min Scan# 1343

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 43 Resp: 1481238

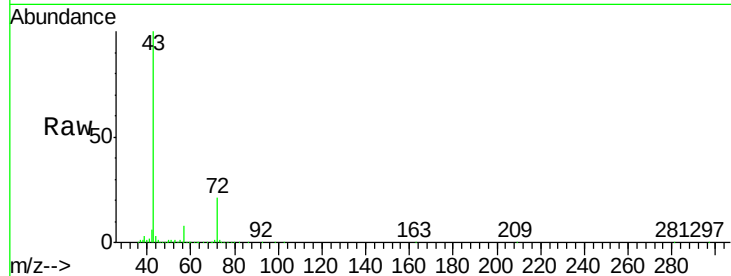
Ion Ratio Lower Upper

43 100

72 21.9 18.1 27.1

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Abundance Ion 43.10 (42.80 to 43.80): VL0

Ion 72.10 (71.80 to 72.80): VL0

800000

600000

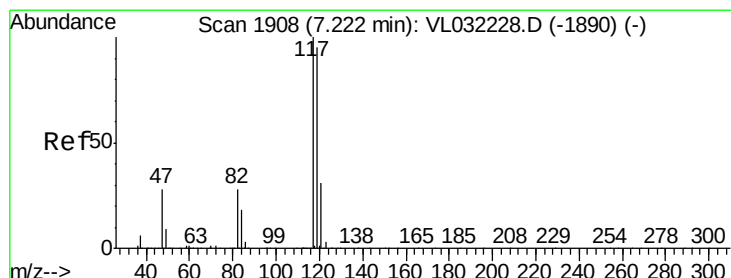
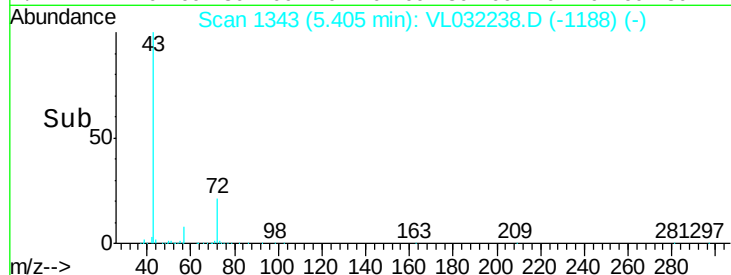
400000

200000

0

5.35 5.40 5.45 5.50

Time-->



#35

Carbon Tetrachloride

Concen: 0.08 ppbv m

RT: 7.21 min Scan# 1905

Delta R.T. -0.01 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

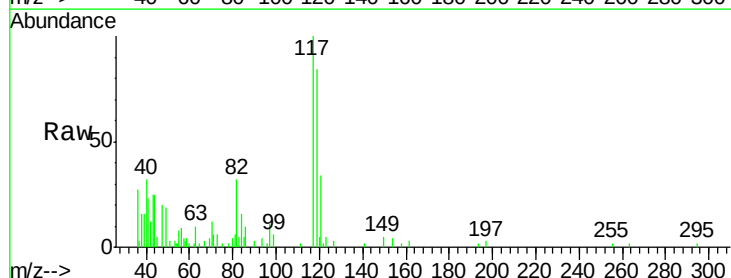
Tgt Ion: 117 Resp: 19189

Ion Ratio Lower Upper

117 100

119 83.9 75.7 113.5

121 34.2 24.6 37.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V

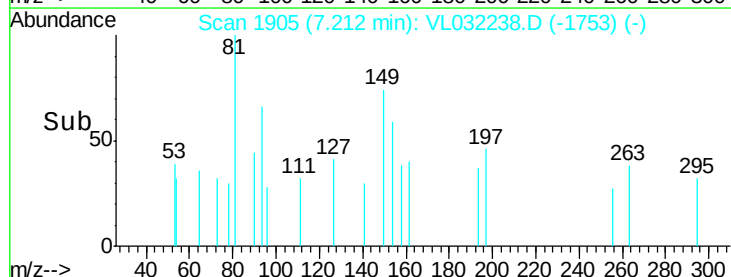
10000

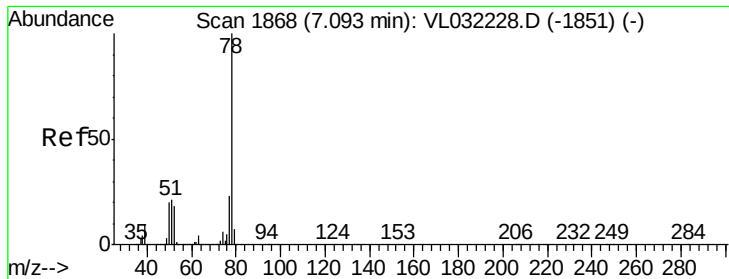
5000

0

7.20 7.21 7.22 7.23

Time-->





#36

Benzene

Concen: 0.53 ppbv

RT: 7.09 min Scan# 1867

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

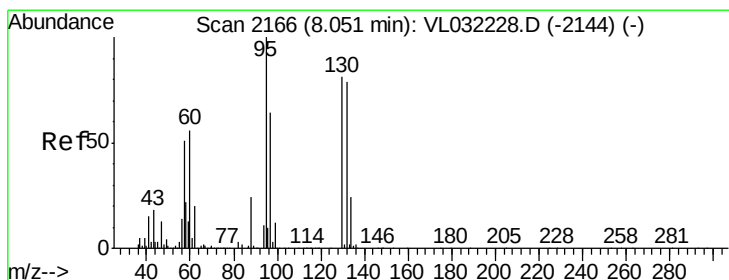
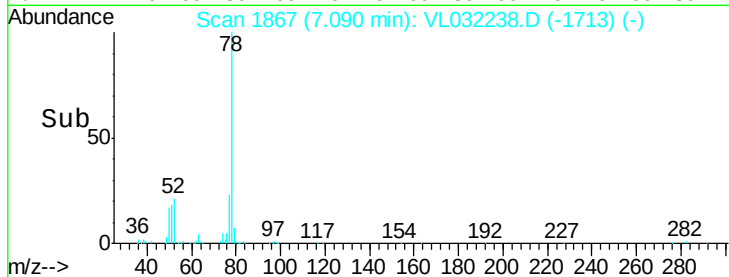
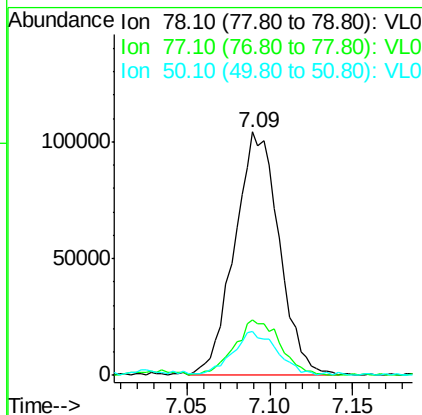
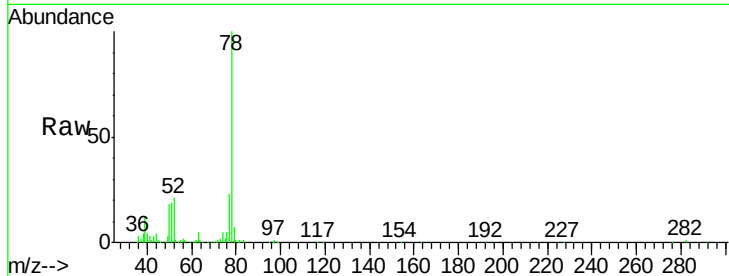
ClientSampleId :

INFLUENT

Tot Ion:	78	Resp:	192828
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.0	27.0
50	17.1	15.8	23.8

Manual Integrations
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7/13/2018 5:22:18 PM



#38

Trichloroethene

Concen: 0.21 ppbv m

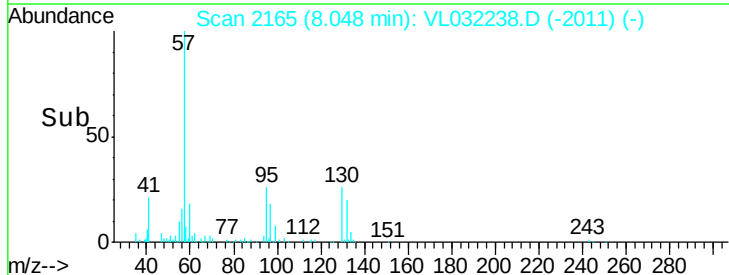
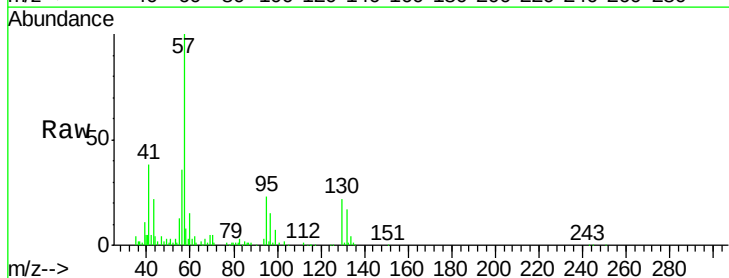
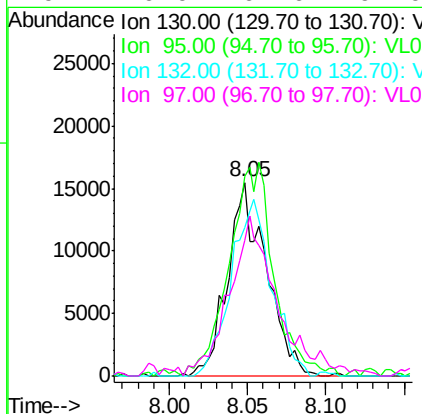
RT: 8.05 min Scan# 2165

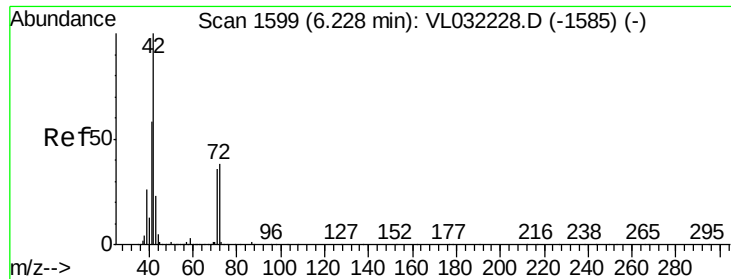
Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Tgt Ion:	130	Resp:	26713
Ion	Ratio	Lower	Upper
130	100		
95	103.4	98.3	147.5
132	76.8	78.1	117.1#
97	70.0	62.6	94.0





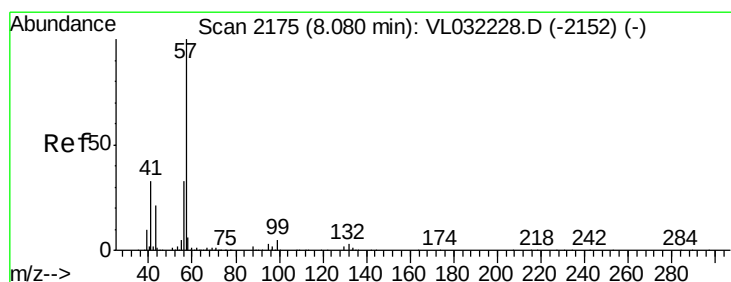
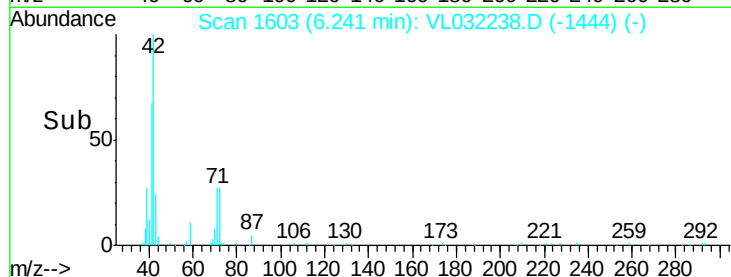
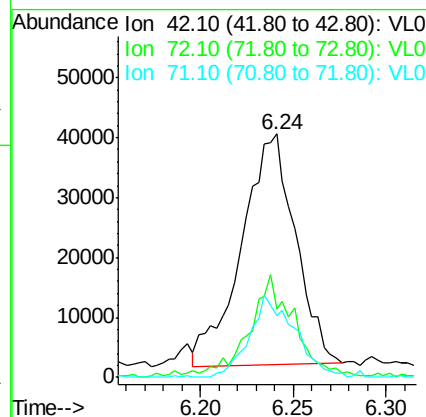
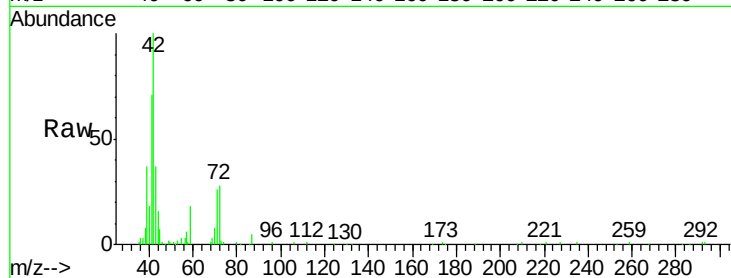
#41
Tetrahydrofuran
Concen: 0.56 ppbv
RT: 6.24 min Scan# 1603
Delta R.T. 0.01 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampled :
INFLUENT

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.0	30.6	45.8
71	30.2	29.7	44.5

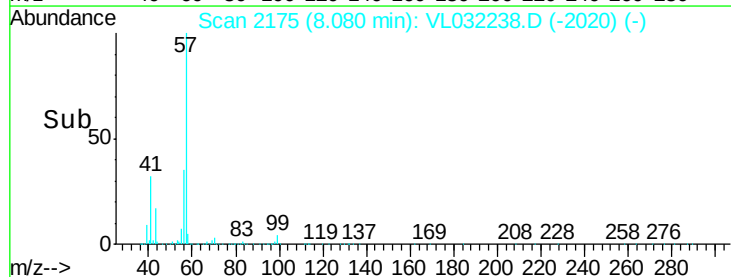
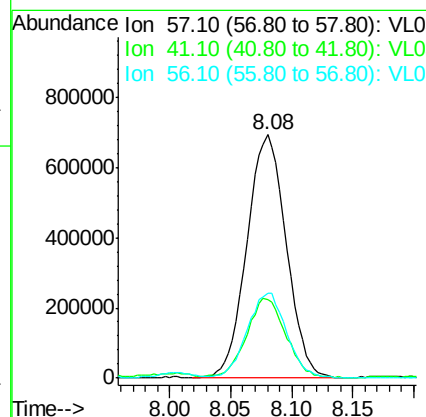
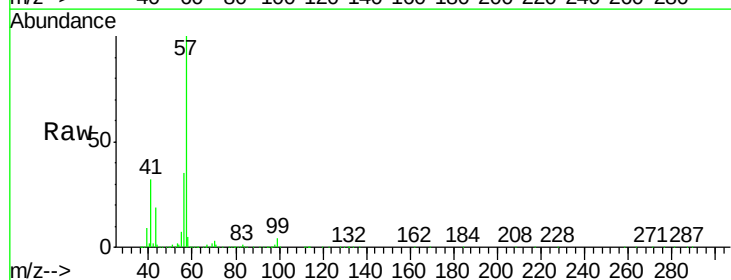
Manual Integrations
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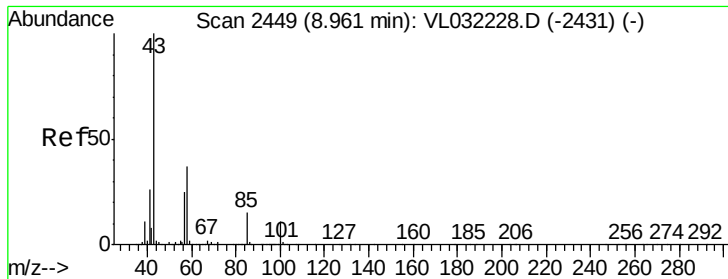
MMDadoda
7/13/2018 5:22:18 PM



#44
2,2,4-Trimethylpentane
Concen: 2.44 ppbv
RT: 8.08 min Scan# 2175
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
57	100		
41	32.8	24.7	37.1
56	35.1	25.4	38.0





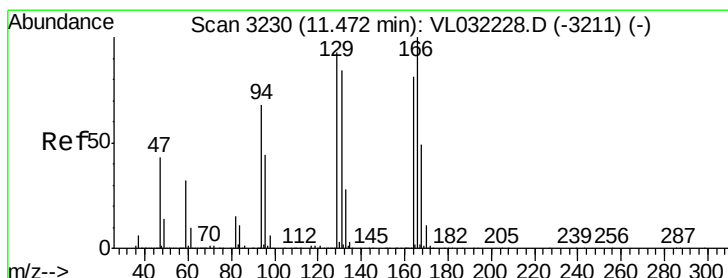
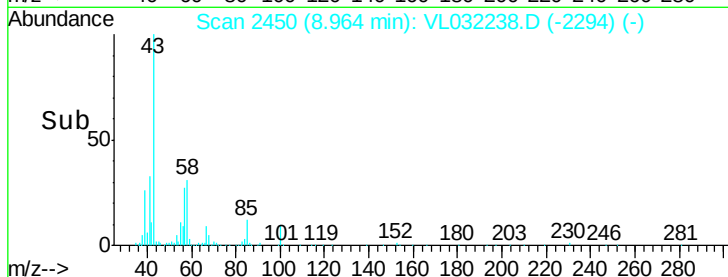
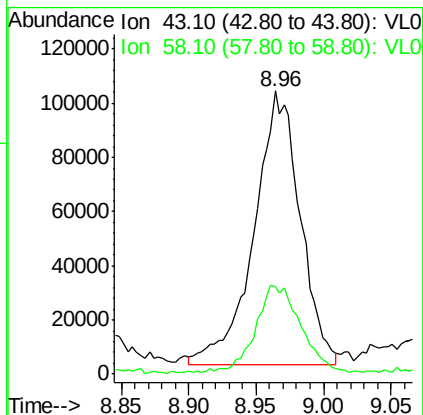
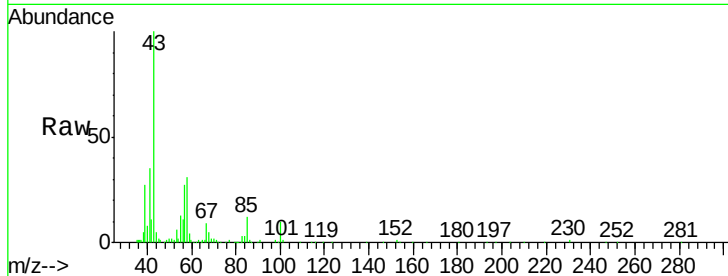
#50
4-Methyl-2-Pentanone
Concen: 0.55 ppbv m
RT: 8.96 min Scan# 2450
Delta R.T. 0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion	Ratio	Lower	Upper
43	100		
58	31.4	29.5	44.3

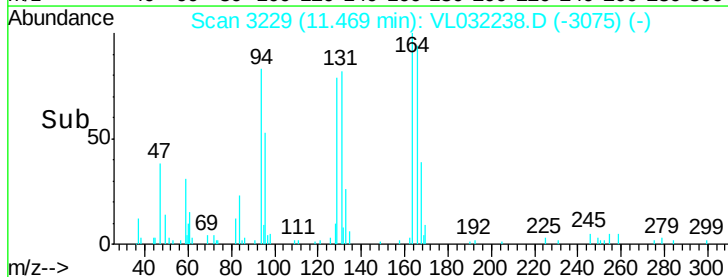
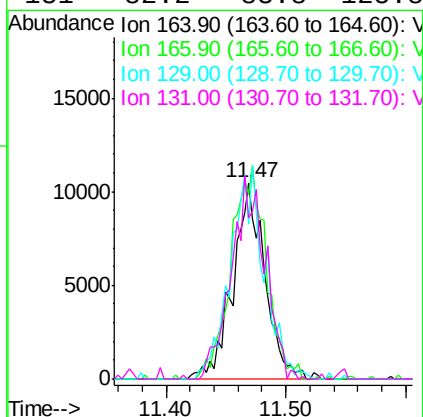
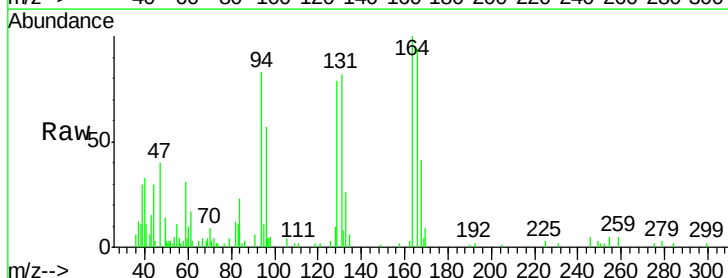
Manual Integrations
APPROVED

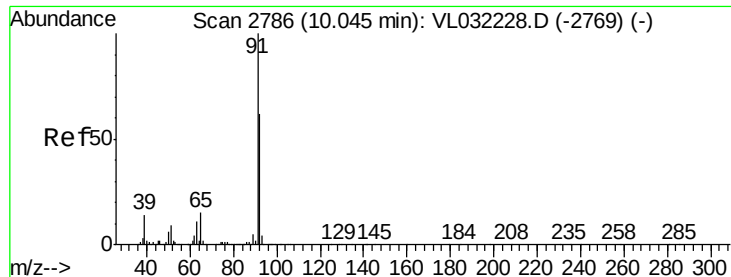
MMDadoda
7/13/2018 5:22:18 PM



#52
Tetrachloroethene
Concen: 0.14 ppbv m
RT: 11.47 min Scan# 3229
Delta R.T. -0.00 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
164	100		
166	93.8	99.3	148.9#
129	78.9	92.0	138.0#
131	82.2	83.8	125.8#





#53

Toluene

Concen: 4.49 ppbv

RT: 10.04 min Scan# 2785

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 91 Resp: 1941667

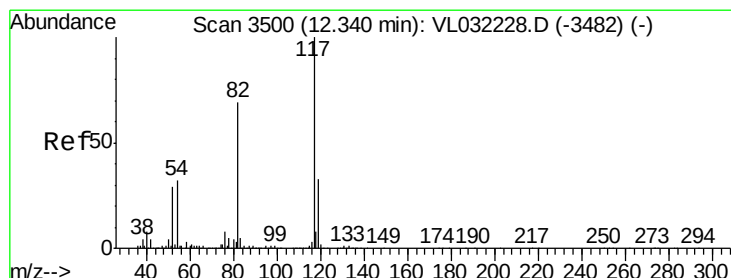
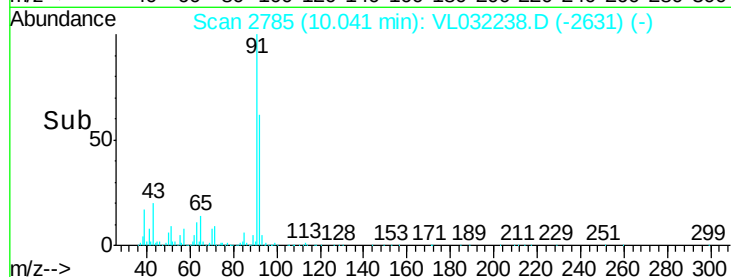
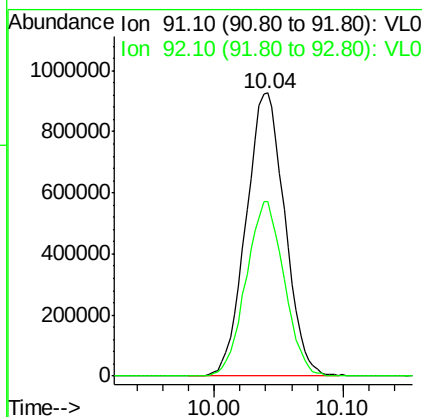
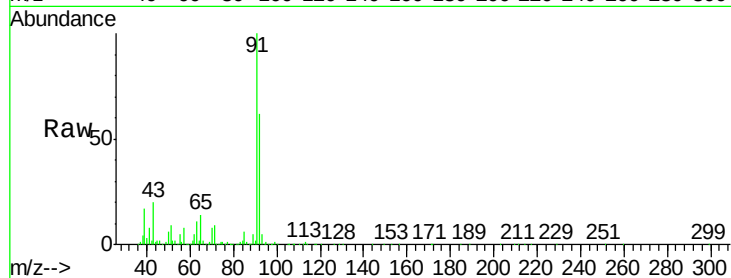
Ion Ratio Lower Upper

91 100

92 60.9 49.0 73.4

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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.34 min Scan# 3499

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

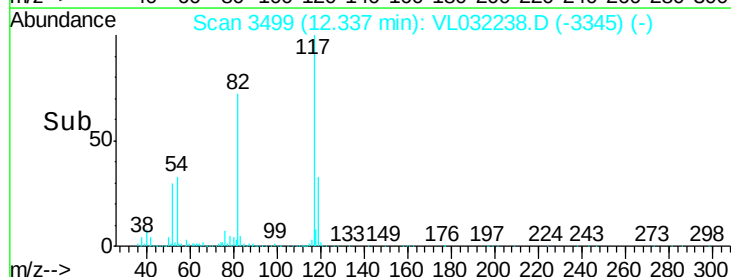
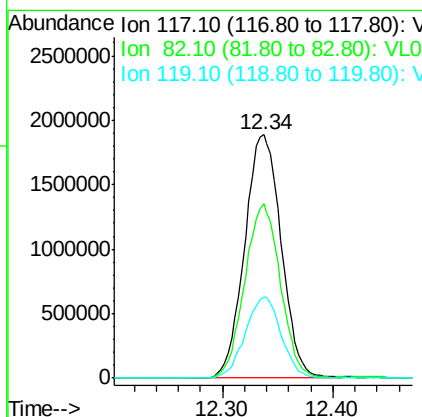
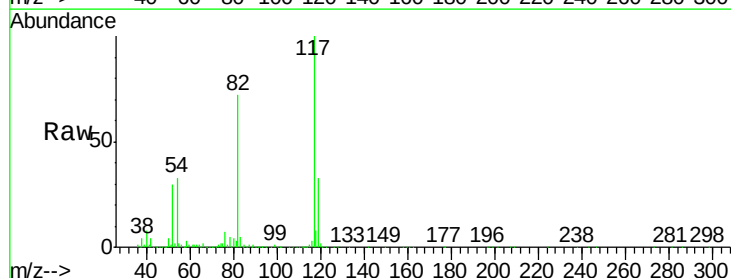
Tgt Ion: 117 Resp: 4334562

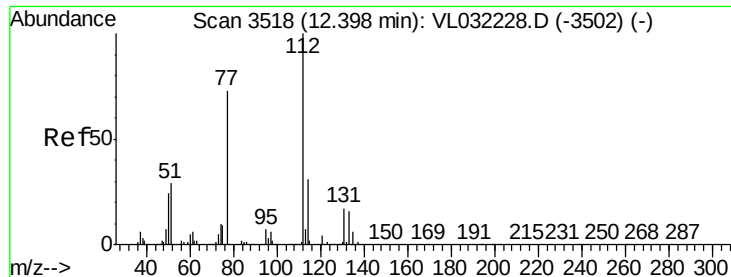
Ion Ratio Lower Upper

117 100

82 69.9 53.2 79.8

119 32.8 43.9 65.9#





#57

Chlorobenzene

Concen: 0.09 ppbv m

RT: 12.40 min Scan# 3519

Delta R.T. 0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

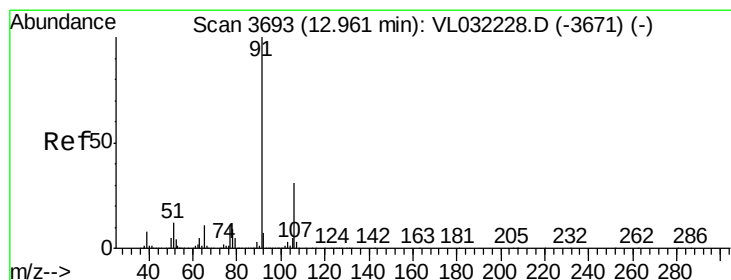
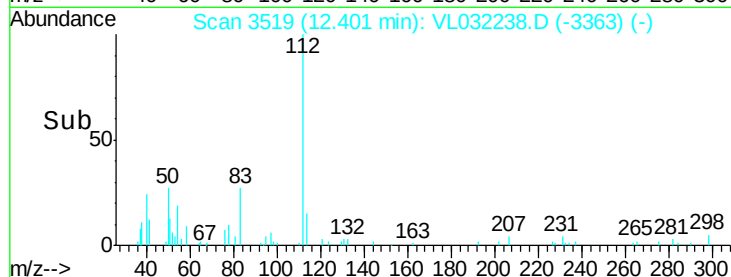
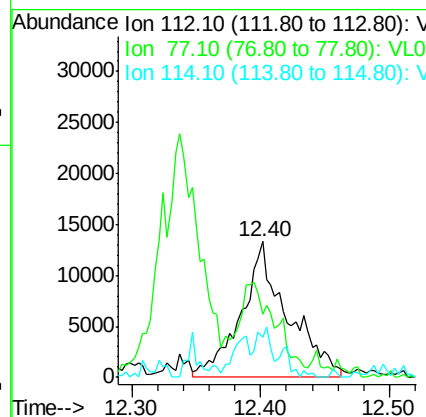
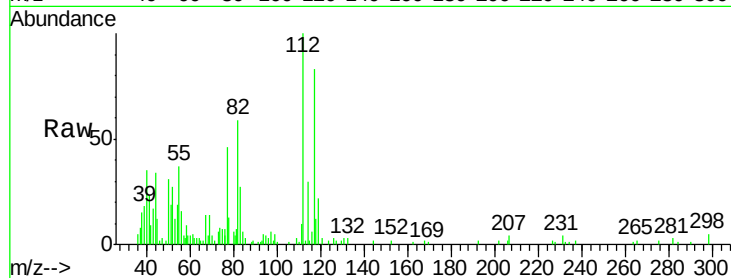
ClientSampleId :

INFLUENT

Tot Ion	Ratio	Lower	Upper
112	100		
77	46.2	58.8	88.2#
114	29.7	27.9	34.1

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#58

Ethyl Benzene

Concen: 0.91 ppbv

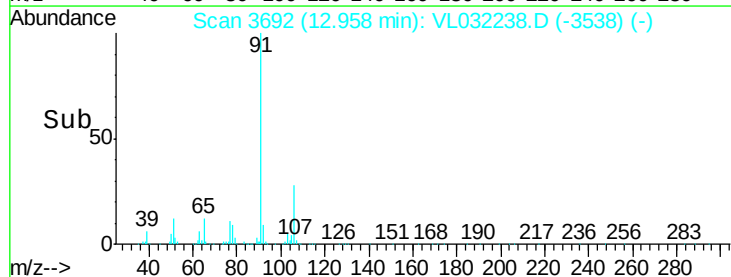
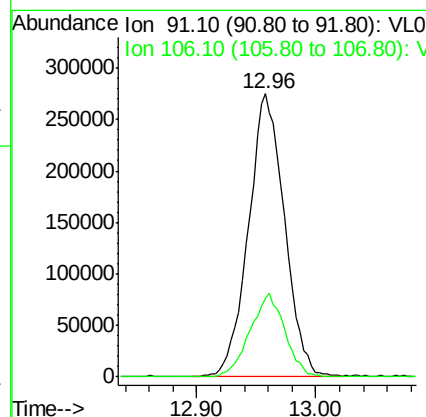
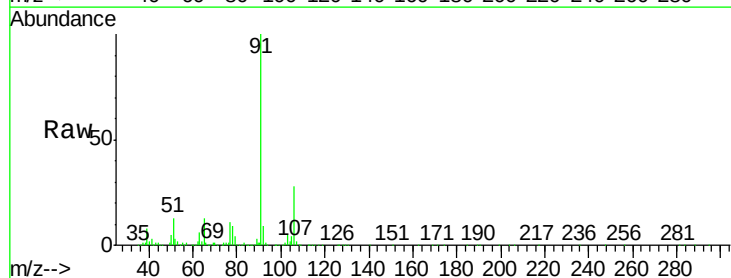
RT: 12.96 min Scan# 3692

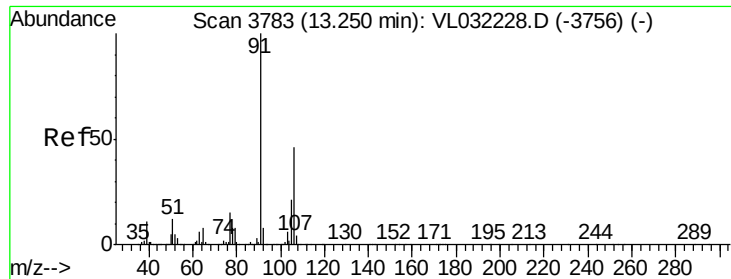
Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Lower	Upper
91	100		
106	27.7	24.5	36.7





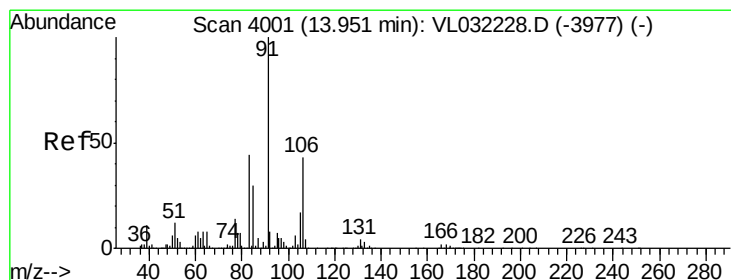
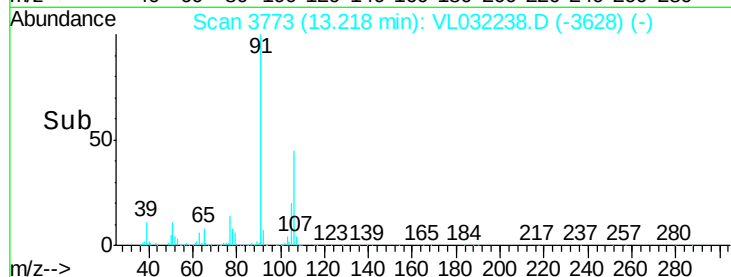
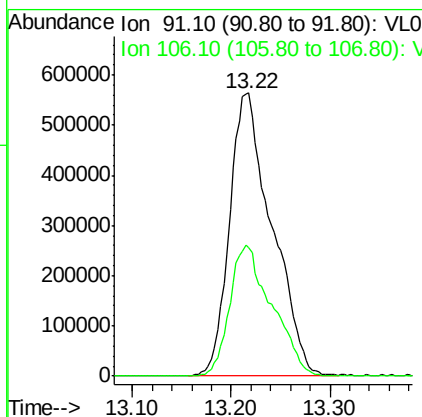
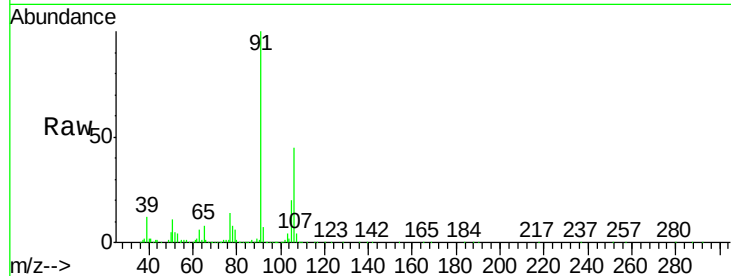
#59
m/p-Xylene
Concen: 3.24 ppbv
RT: 13.22 min Scan# 3773
Delta R.T. -0.03 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Instrument :
MSVOA_L
ClientSampleId :
INFLUENT

Tot Ion: 91 Resp: 1681781
Ion Ratio Lower Upper
91 100
106 46.1 36.4 54.6

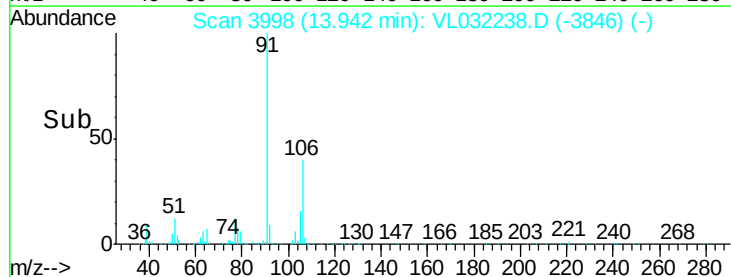
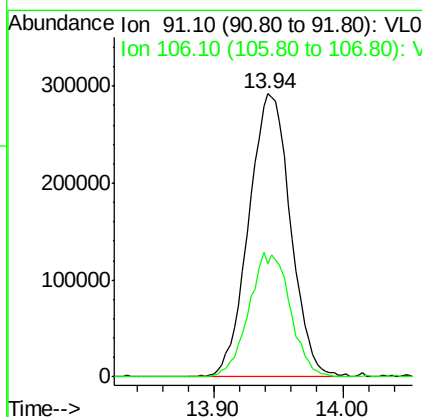
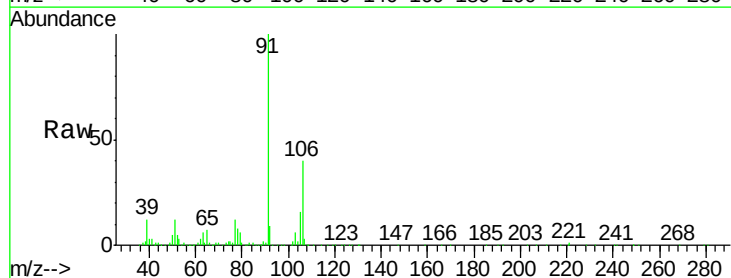
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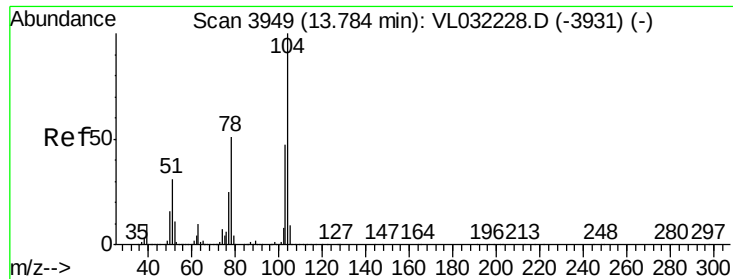
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#60
o-Xylene
Concen: 1.28 ppbv
RT: 13.94 min Scan# 3998
Delta R.T. -0.01 min
Lab File: VL032238.D
Acq: 13 Jul 2018 5:37

Tgt Ion: 91 Resp: 656365
Ion Ratio Lower Upper
91 100
106 43.5 21.9 65.5





#61

Stvrene

Concen: 0.10 ppbv m

RT: 13.78 min Scan# 3947

Delta R.T. -0.01 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

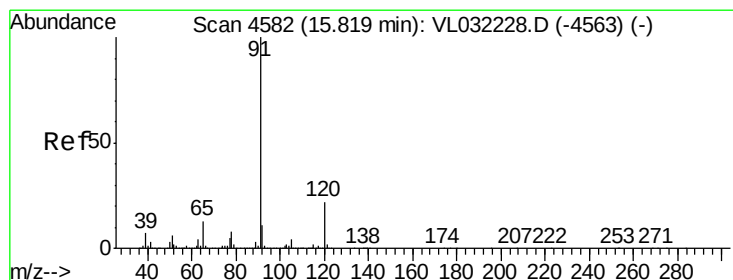
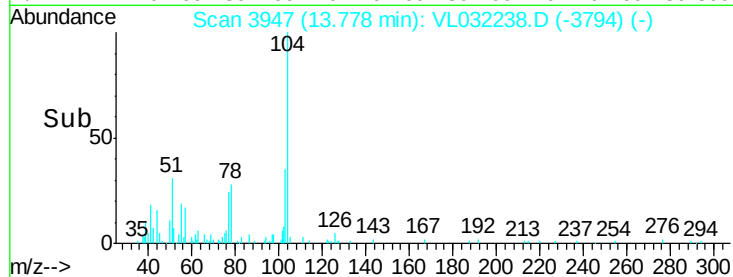
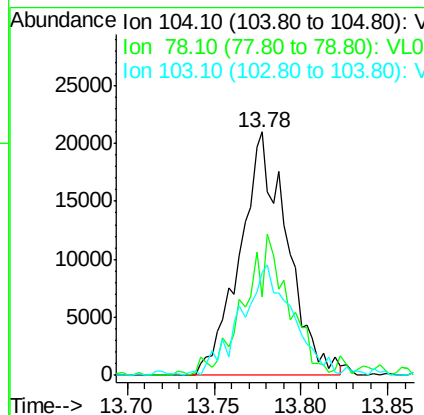
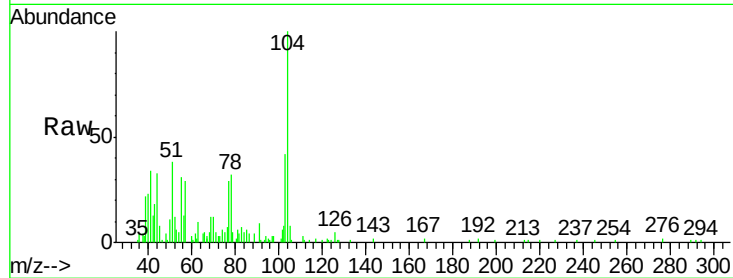
ClientSampleId :

INFLUENT

Tot Ion:	104	Resp:	39535
Ion Ratio	Lower	Upper	
104	100		
78	55.8	43.4	65.0
103	51.6	38.0	57.0

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#64

n-propylbenzene

Concen: 0.21 ppbv

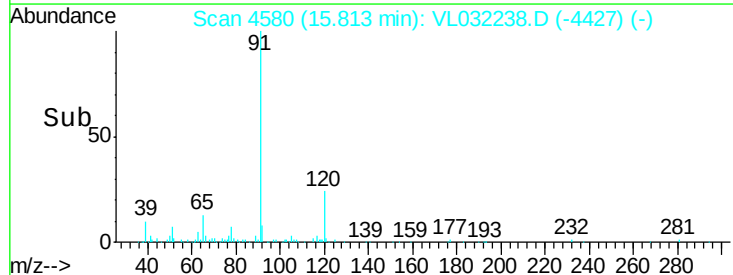
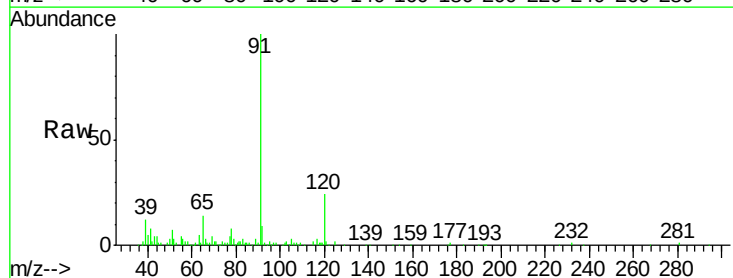
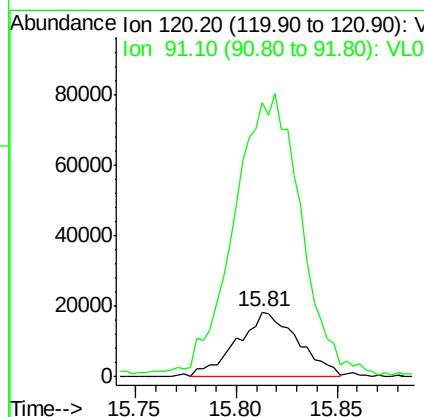
RT: 15.81 min Scan# 4580

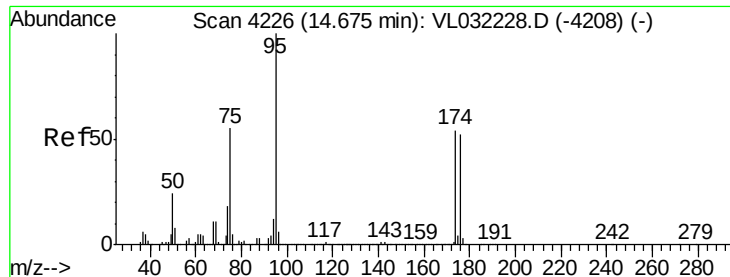
Delta R.T. -0.01 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Tgt Ion:	120	Resp:	38414
Ion Ratio	Lower	Upper	
120	100		
91	486.2	385.0	577.4





#68

1-Bromo-4-Fluorobenzene

Concen: 10.00 ppbv

RT: 14.67 min Scan# 4225

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

ClientSampleId :

INFLUENT

Tot Ion: 95 Resp: 3354265

Ion Ratio Lower Upper

95 100

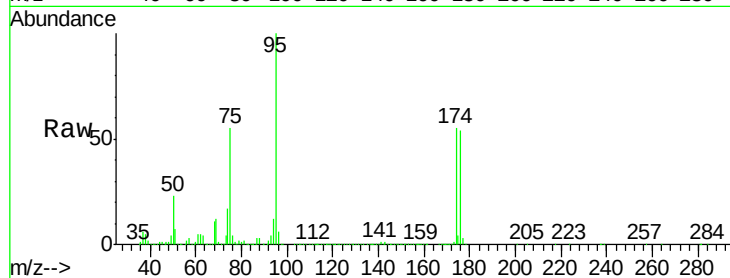
174 55.5 44.6 67.0

175 4.1 3.3 4.9

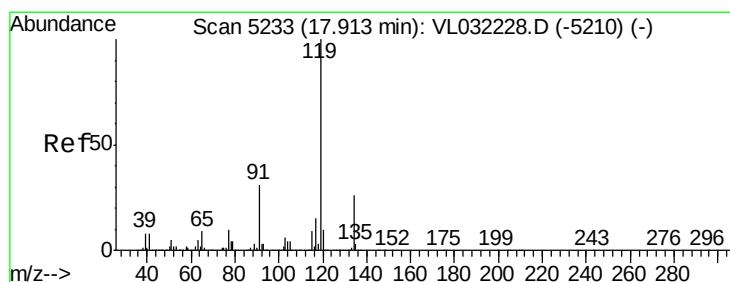
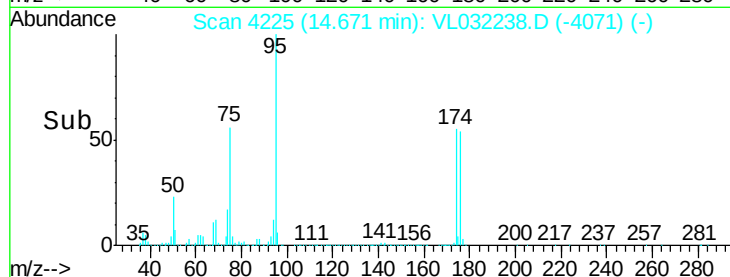
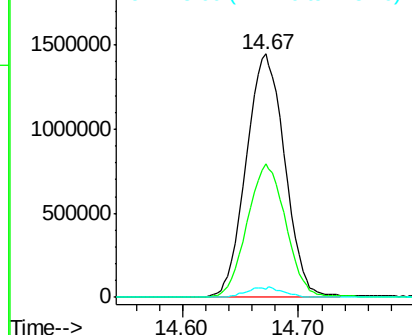
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Abundance Ion 95.10 (94.80 to 95.80): VL0
Ion 174.00 (173.70 to 174.70): V
Ion 175.00 (174.70 to 175.70): V



#69

p-Isopropyltoluene

Concen: 3.82 ppbv

RT: 17.91 min Scan# 5232

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

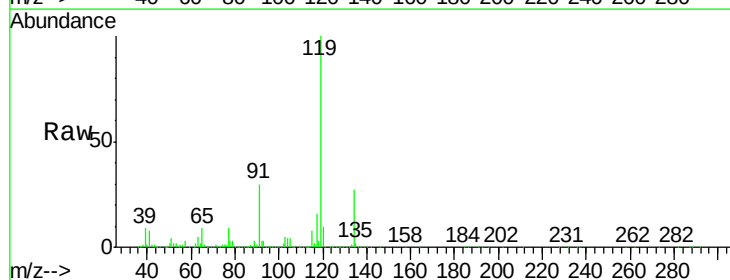
Tgt Ion: 119 Resp: 2614387

Ion Ratio Lower Upper

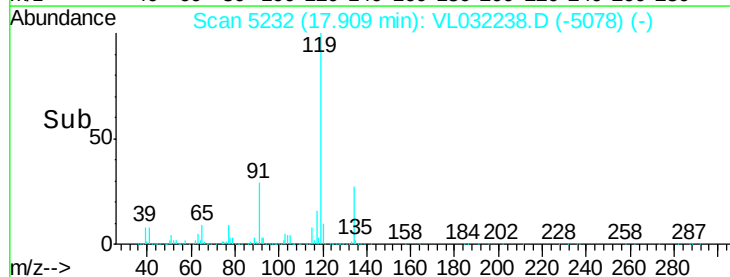
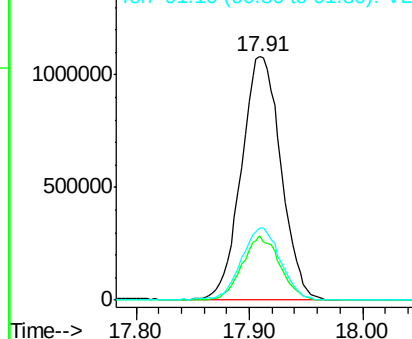
119 100

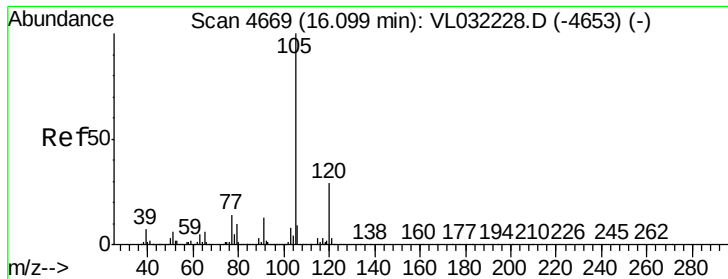
134 25.1 20.1 30.1

91 29.5 24.2 36.2



Abundance Ion 119.10 (118.80 to 119.80): V
Ion 134.20 (133.90 to 134.90): V
Ion 91.10 (90.80 to 91.80): VL0





#72

4-Ethyltoluene

Concen: 0.38 ppbv m

RT: 16.10 min Scan# 4669

Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Instrument :

MSVOA_L

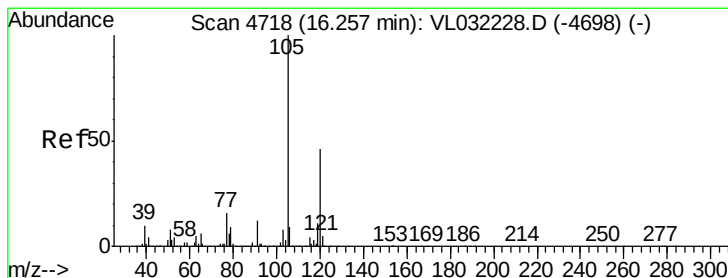
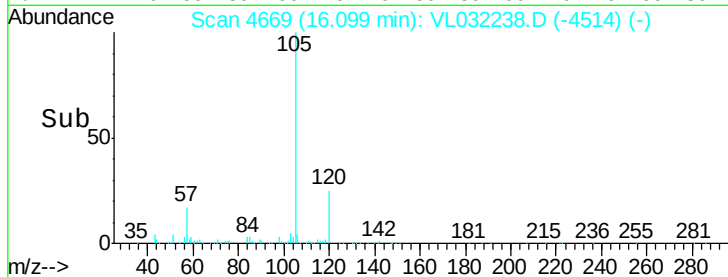
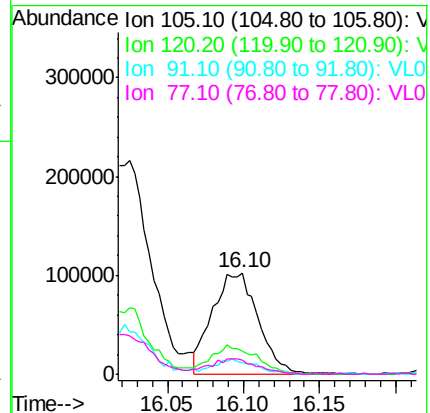
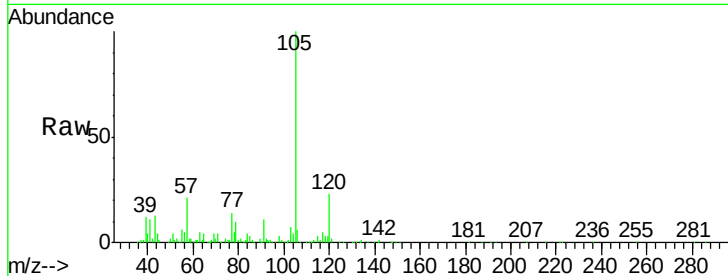
ClientSampleId :

INFLUENT

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	0.0	23.3	34.9#
91	0.0	10.3	15.5#
77	0.0	11.5	17.3#

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#73

1,3,5-Trimethylbenzene

Concen: 0.33 ppbv m

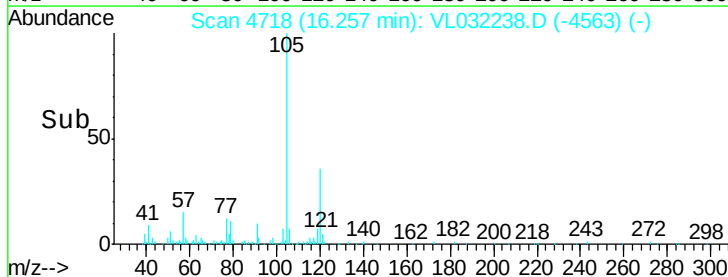
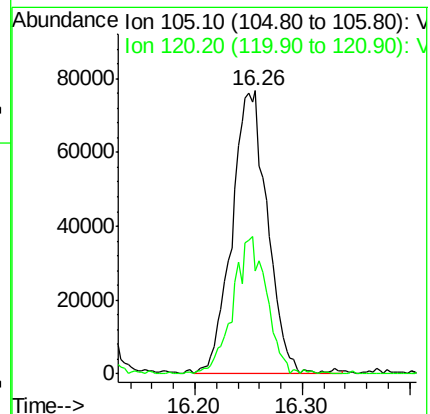
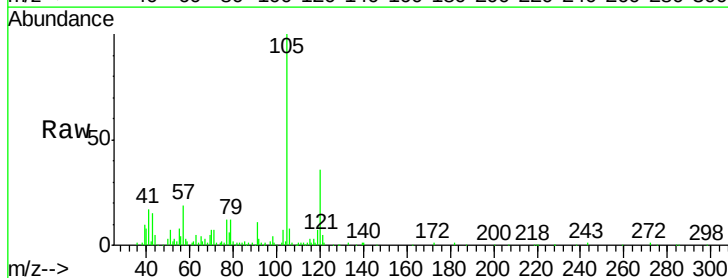
RT: 16.26 min Scan# 4718

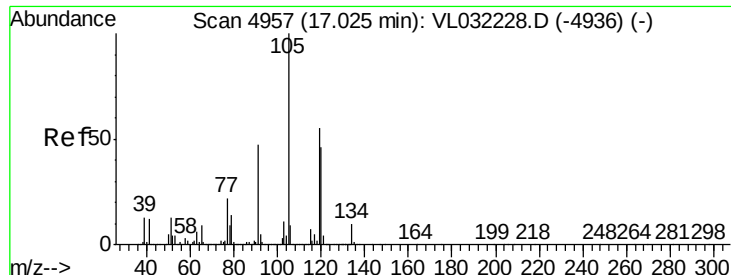
Delta R.T. -0.00 min

Lab File: VL032238.D

Acq: 13 Jul 2018 5:37

Tgt Ion	Ratio	Resp Lower	Upper
105	100		
120	36.3	36.6	54.8#





#74
 1,2,4-Trimethylbenzene
 Concen: 1.01 ppbv m
 RT: 17.02 min Scan# 4954
 Delta R.T. -0.01 min
 Lab File: VL032238.D
 Acq: 13 Jul 2018 5:37

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENT

Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	43.7	37.0	55.4
91	11.9	38.2	57.2#
77	14.5	17.7	26.5#

Manual Integrations
 APPROVED

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