

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
 Data File : VL032190.D
 Acq On : 2 Jul 2018 20:27
 Operator : SY/AP
 Sample : J3753-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:16 PM

Quant Time: Jul 03 15:25:31 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 2
 QLast Update : Fri Jun 29 22:27:58 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.85	49	1509796	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	3557737	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3185166	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2587645	10.63	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
7) Chloroethane	3.66	64	11197	0.32	ppbv	# 82
9) Propene	3.09	41	18778	0.22	ppbv	94
12) 1,1,2-Trichlorotrifluoroet	4.63	101	32712m	0.23	ppbv	
13) Ethanol	3.72	45	1596006	61.23	ppbv	98
15) Acetone	3.97	43	879757	4.98	ppbv	100
17) tert-Butyl alcohol	4.44	59	115050	1.02	ppbv	95
19) Isopropyl Alcohol	4.10	45	873735m	5.96	ppbv	
20) Methylene Chloride	4.48	84	18321m	0.28	ppbv	
24) 1,1-Dichloroethane	5.17	63	383707	1.87	ppbv	98
26) Hexane	5.86	57	31111	0.18	ppbv	# 79
32) 1,1,1-Trichloroethane	6.71	97	1982058	7.72	ppbv	99
34) 2-Butanone	5.42	43	145038	0.64	ppbv	98
44) 2,2,4-Trimethylpentane	8.09	57	149785	0.25	ppbv	91
53) Toluene	10.04	91	184965	0.44	ppbv	99
58) Ethyl Benzene	12.96	91	20537	0.04	ppbv	95
59) m/p-Xylene	13.22	91	136780m	0.33	ppbv	
60) o-Xylene	13.95	91	54728m	0.13	ppbv	
69) p-Isopropyltoluene	17.92	119	201078m	0.31	ppbv	

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

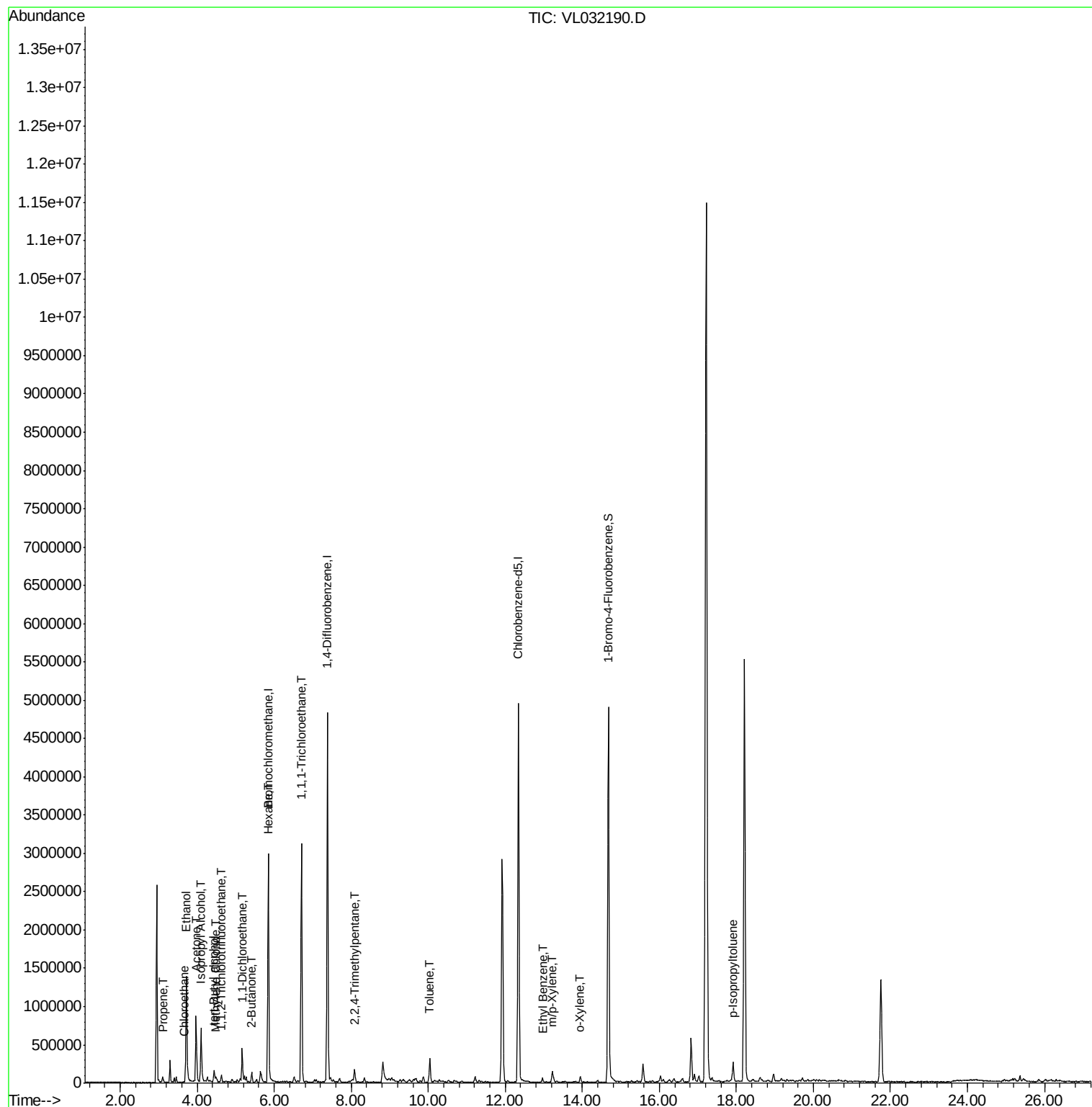
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070218\
Data File : VL032190.D
Acq On : 2 Jul 2018 20:27
Operator : SY/AP
Sample : J3753-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

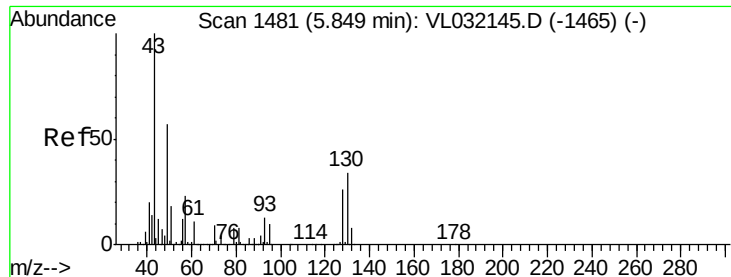
Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Manual Integrations
APPROVED

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7/3/2018 5:17:16 PM

Quant Time: Jul 03 15:25:31 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 29 22:27:58 2018
Response via : Initial Calibration





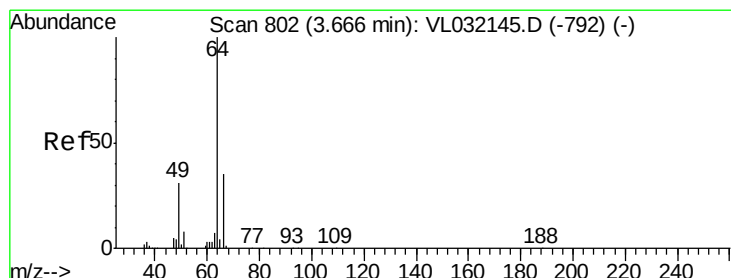
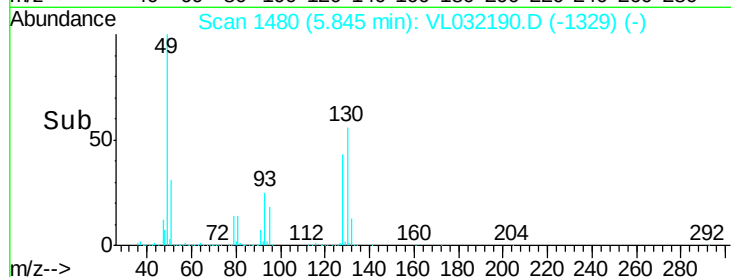
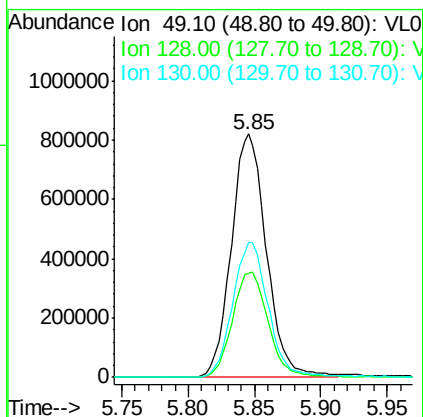
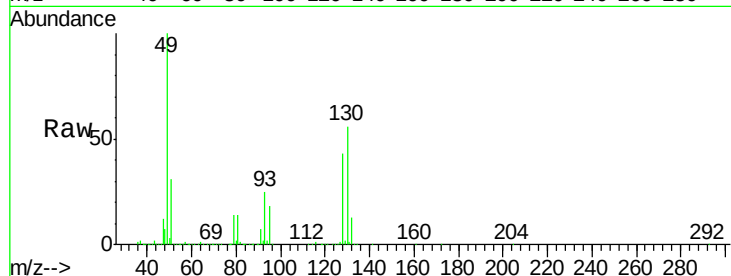
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.02 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 49 Resp: 1509796
Ion Ratio Lower Upper
49 100
128 44.7 23.4 70.0
130 57.0 30.3 90.9

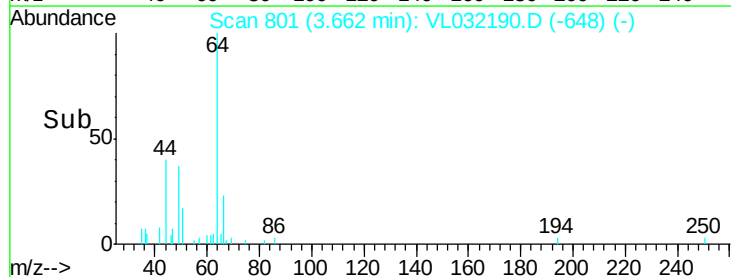
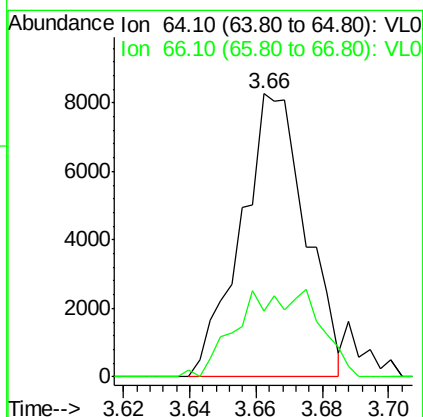
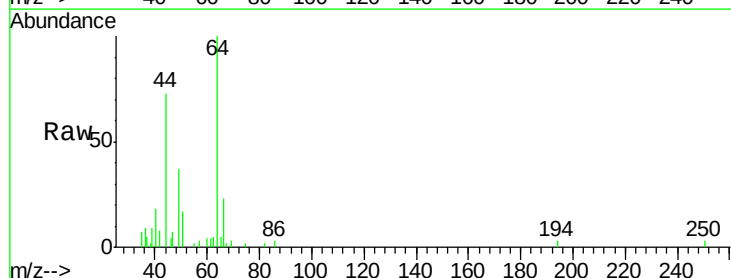
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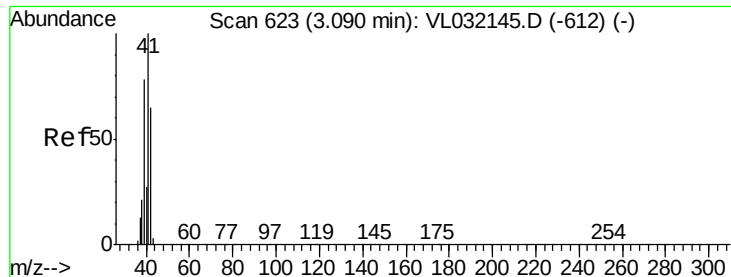
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#7
Chloroethane
Concen: 0.32 ppbv
RT: 3.66 min Scan# 801
Delta R.T. -0.01 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Tgt Ion: 64 Resp: 11197
Ion Ratio Lower Upper
64 100
66 23.4 26.9 40.3#





#9

Propene

Concen: 0.22 ppbv

RT: 3.09 min Scan# 624

Delta R.T. -0.01 min

Lab File: VL032190.D

Acq: 2 Jul 2018 20:27

Instrument :

MSVOA_L

ClientSampleId :

INFLUENTDL

Tot Ion: 41 Resp: 18778

Ion Ratio Lower Upper

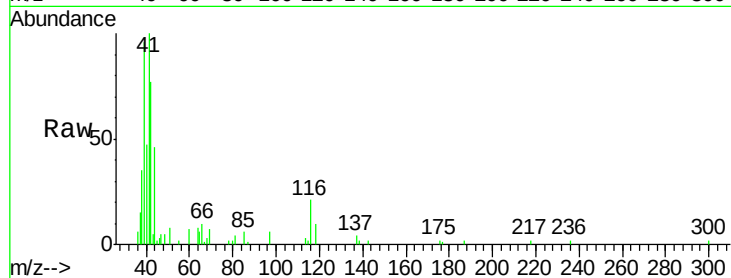
41 100

42 65.2 56.2 84.4

Manual Integrations
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Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

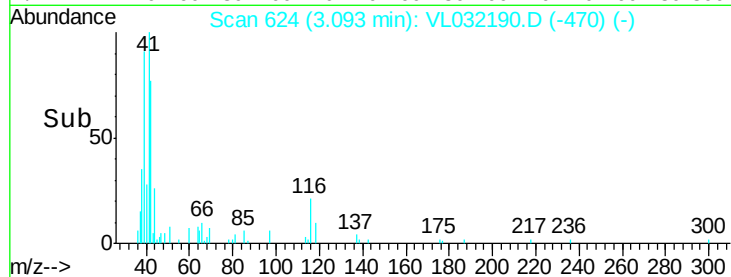
15000

10000

5000

0

Time-->



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

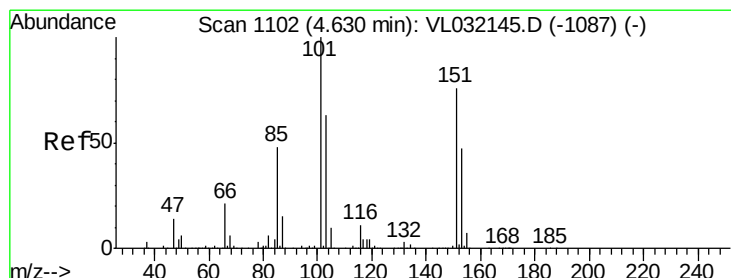
15000

10000

5000

0

Time-->



#12

1,1,2-Trichlorotrifluoroethane

Concen: 0.23 ppbv m

RT: 4.63 min Scan# 1102

Delta R.T. -0.01 min

Lab File: VL032190.D

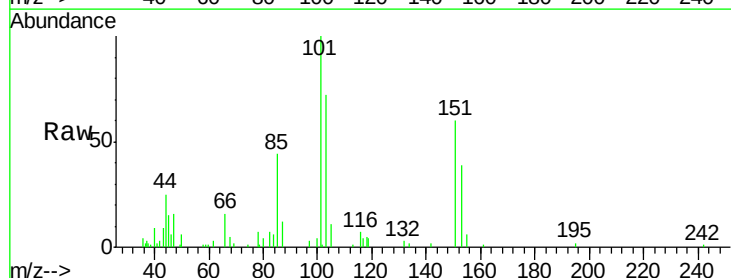
Acq: 2 Jul 2018 20:27

Tgt Ion: 101 Resp: 32712

Ion Ratio Lower Upper

101 100

151 0.0 58.8 88.2#



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 151.00 (150.70 to 151.70): V

20000

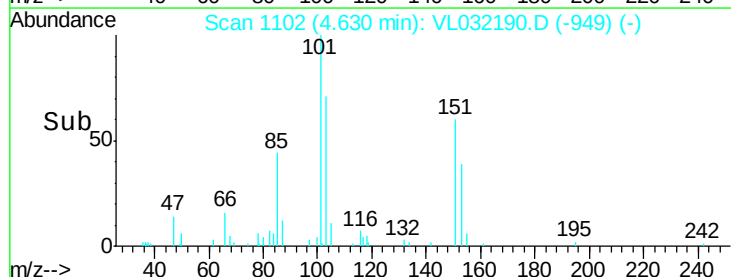
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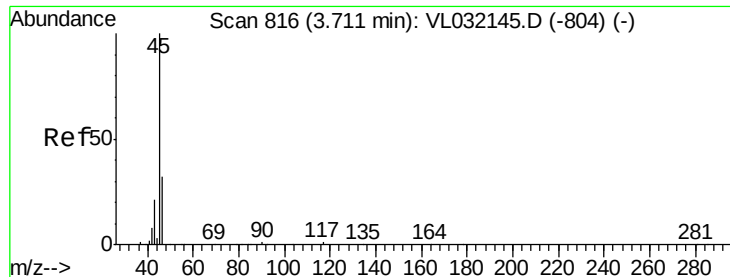
5000

0

Time-->



Time-->



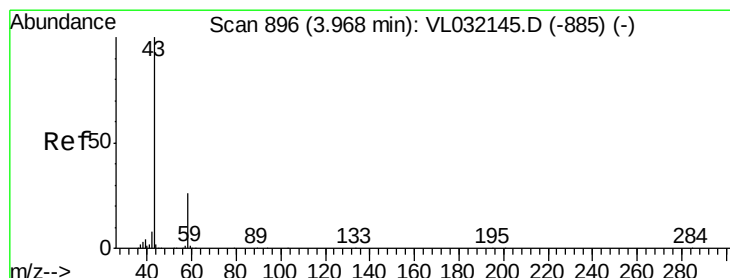
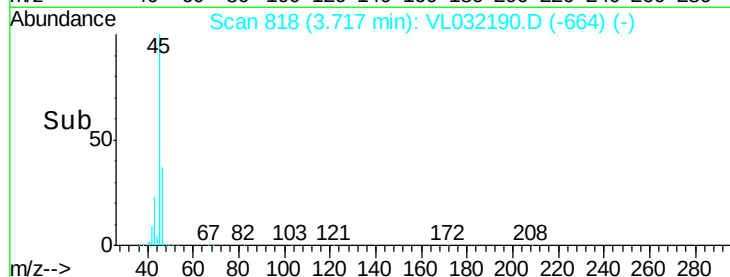
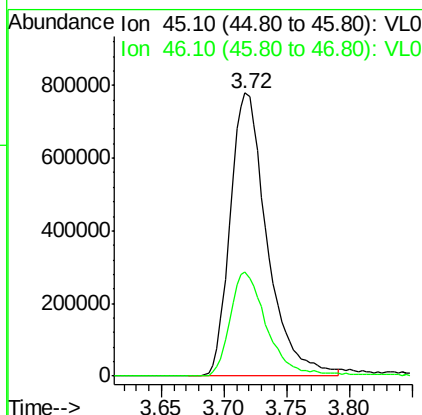
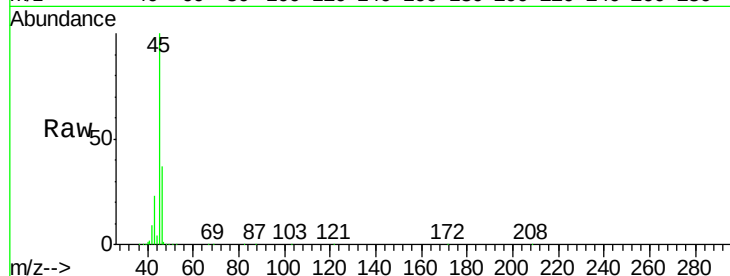
#13
Ethanol
Concen: 61.23 ppbv
RT: 3.72 min Scan# 818
Delta R.T. -0.01 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 45 Resp: 1596006
Ion Ratio Lower Upper
45 100
46 37.7 14.6 58.4

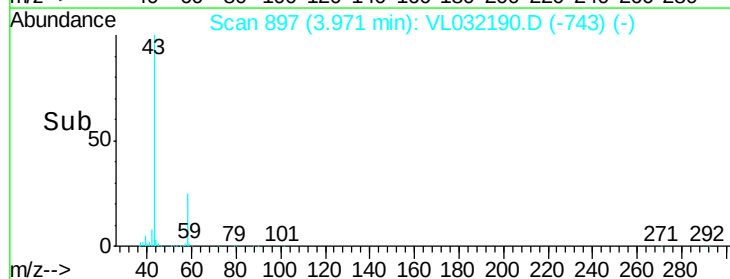
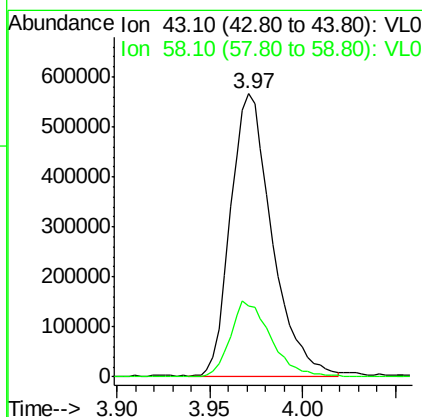
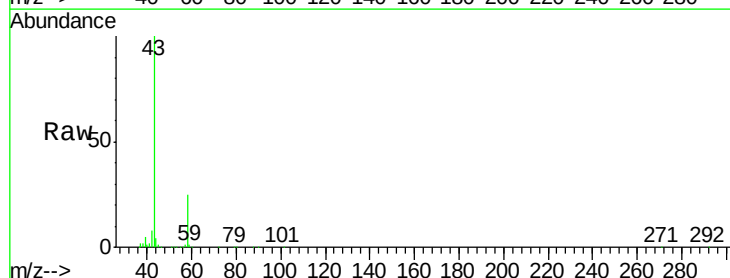
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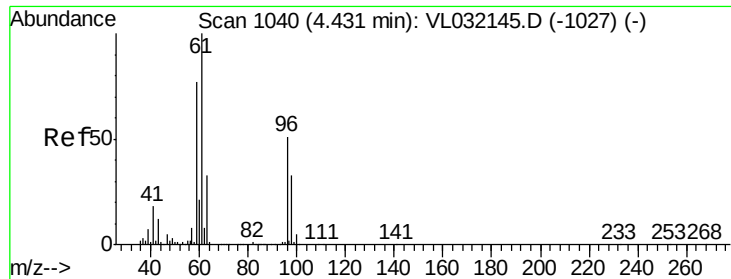
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#15
Acetone
Concen: 4.98 ppbv
RT: 3.97 min Scan# 897
Delta R.T. -0.01 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Tgt Ion: 43 Resp: 879757
Ion Ratio Lower Upper
43 100
58 26.5 21.4 32.0





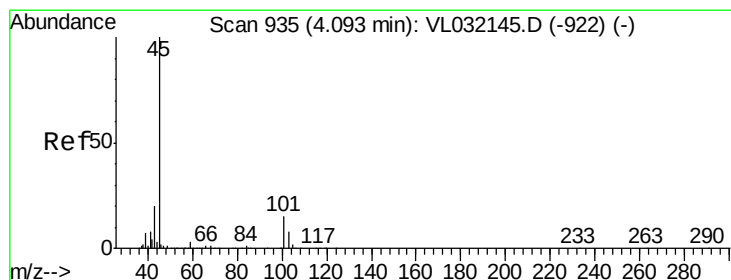
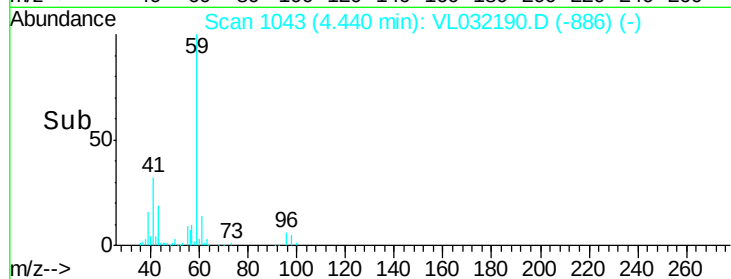
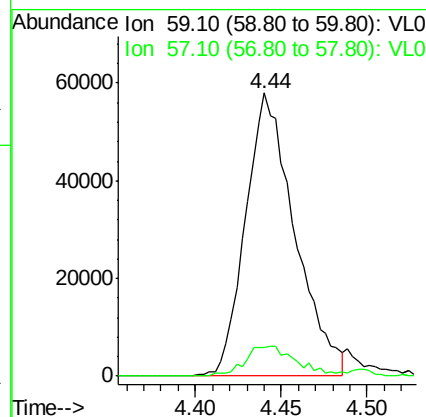
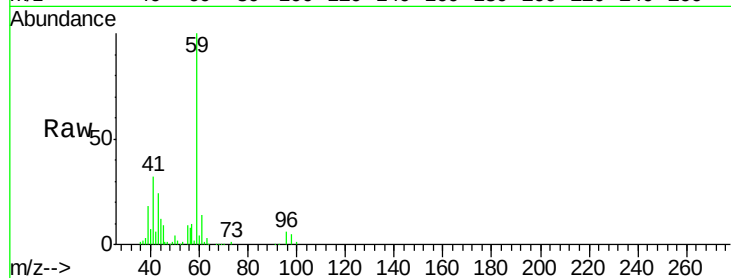
#17
 tert-Butyl alcohol
 Concen: 1.02 ppbv
 RT: 4.44 min Scan# 1043
 Delta R.T. 0.00 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
59	100		
57	12.2	8.2	12.2

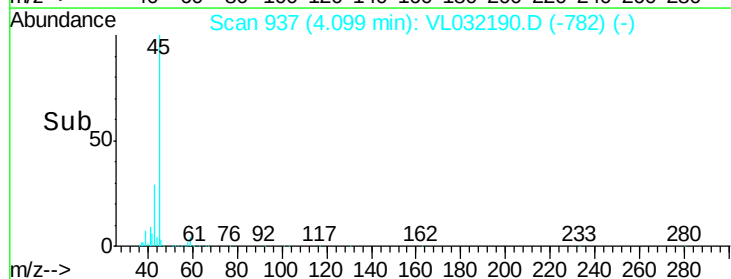
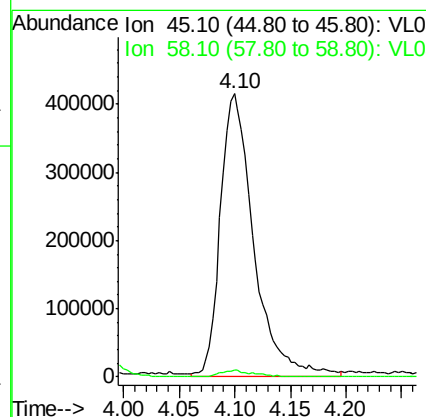
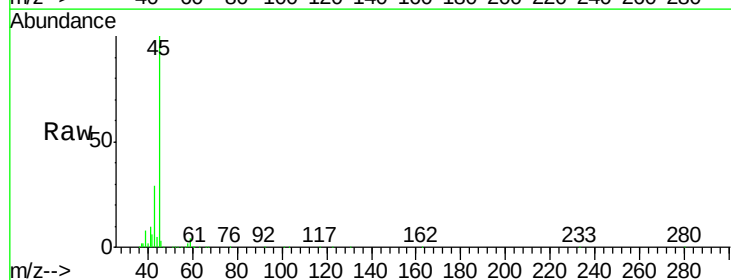
Manual Integrations
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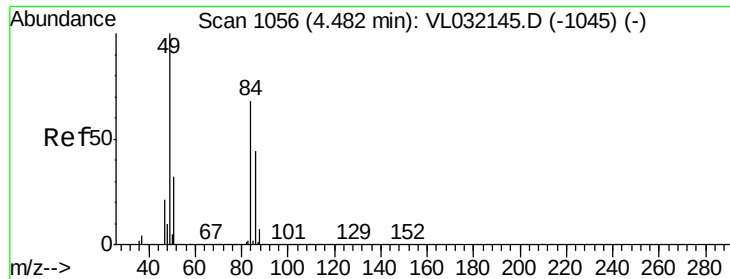
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 7/3/2018 5:17:16 PM



#19
 Isopropyl Alcohol
 Concen: 5.96 ppbv m
 RT: 4.10 min Scan# 937
 Delta R.T. -0.00 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
45	100		
58	0.0	29.4	44.0#





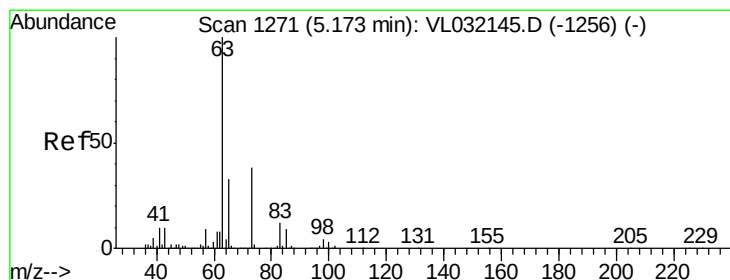
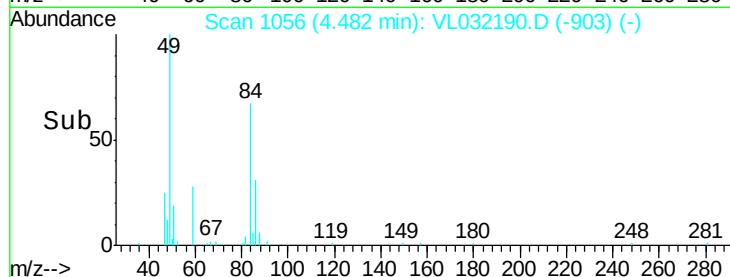
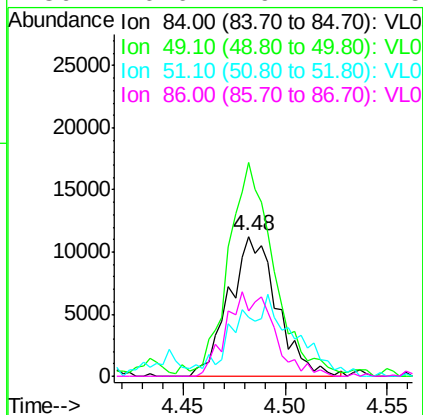
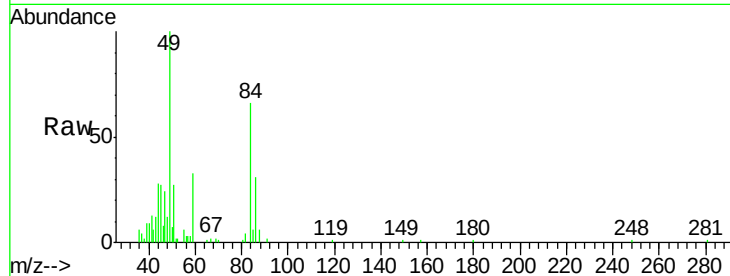
#20
Methvlene Chloride
Concen: 0.28 ppbv m
RT: 4.48 min Scan# 1056
Delta R.T. -0.01 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Instrument :
MSVOA_L
ClientSampled :
INFLUENTDL

Tot Ion	Ratio	Lower	Upper
84	100		
49	152.5	119.6	179.4
51	41.8	36.3	54.5
86	46.6	49.7	74.5

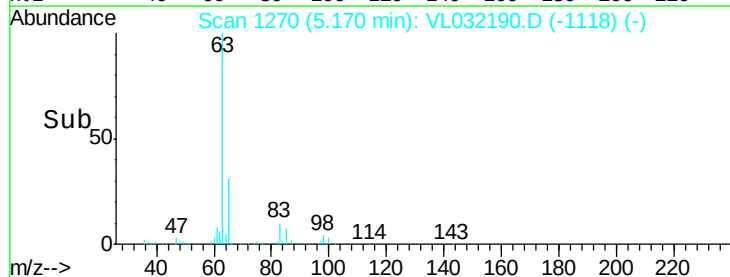
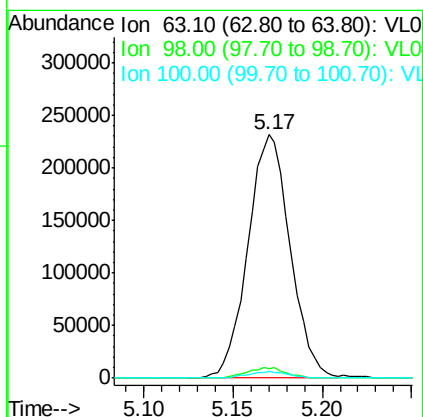
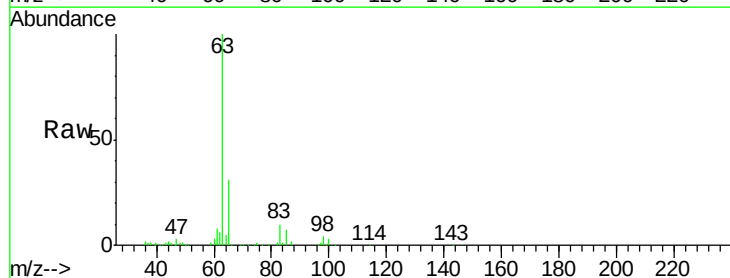
Manual Integrations
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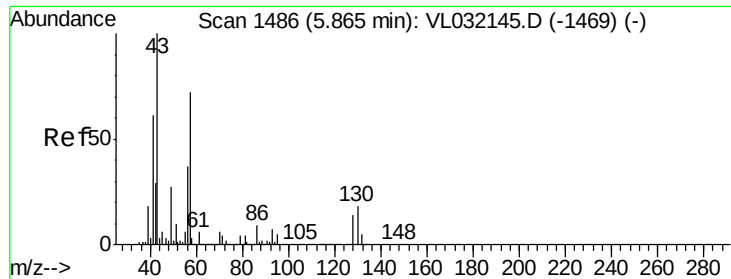
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#24
1,1-Dichloroethane
Concen: 1.87 ppbv
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
63	100		
98	4.1	2.4	7.2
100	2.9	1.7	5.0





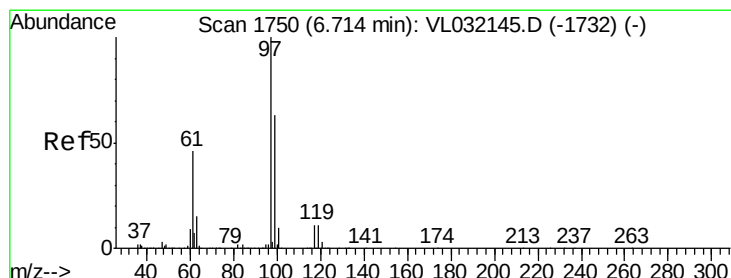
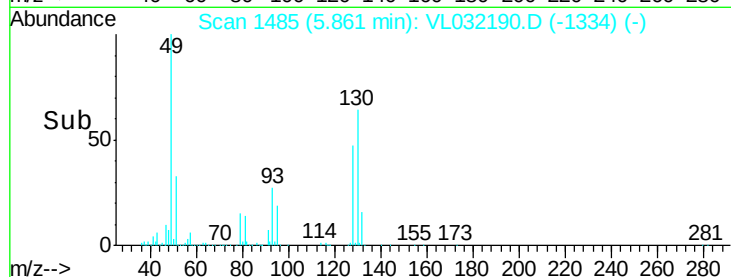
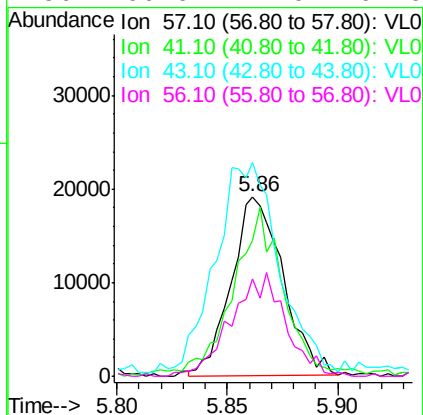
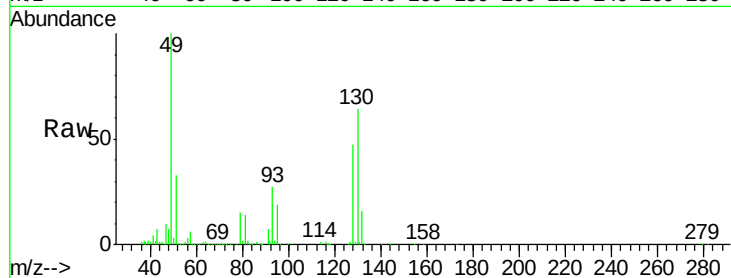
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Hexane
Concen: 0.18 ppbv
RT: 5.86 min Scan# 1485
Delta R.T. -0.02 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	89.9	68.6	103.0
43	163.7	168.6	252.8#
56	60.6	41.0	61.6

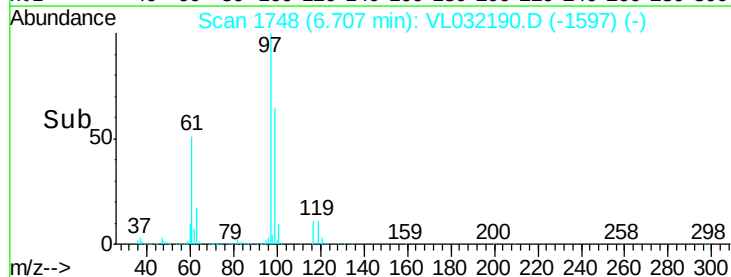
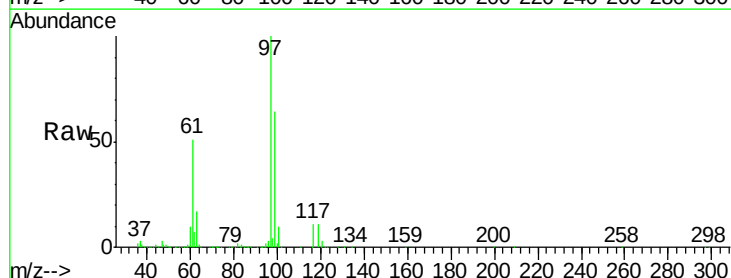
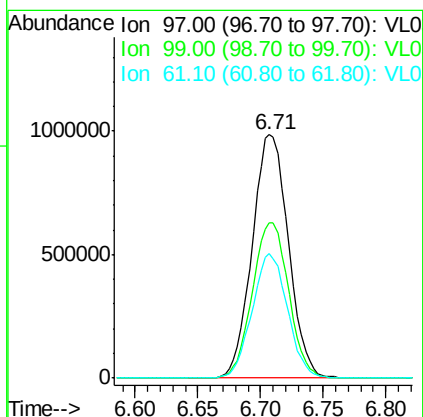
Manual Integrations
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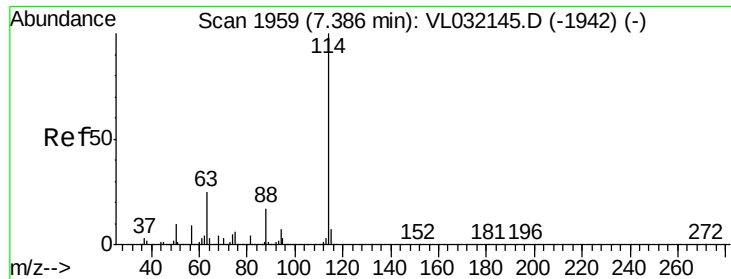
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#32
1,1,1-Trichloroethane
Concen: 7.72 ppbv
RT: 6.71 min Scan# 1748
Delta R.T. -0.02 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
97	100		
99	64.2	51.3	76.9
61	50.1	38.4	57.6





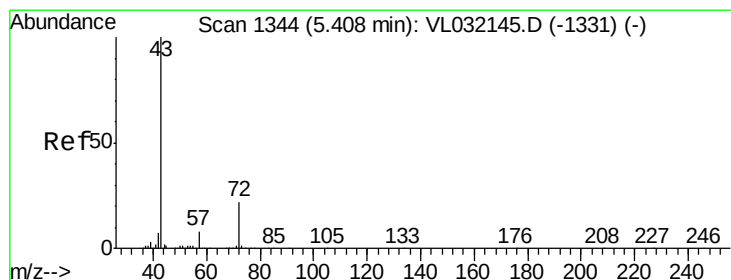
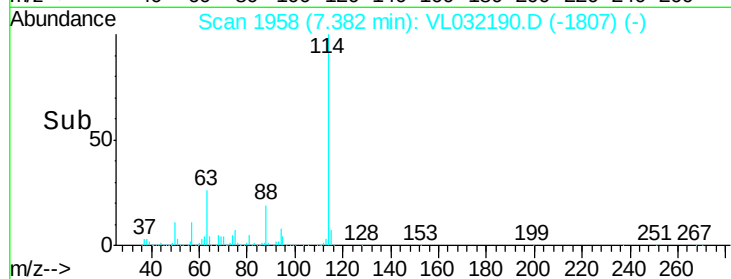
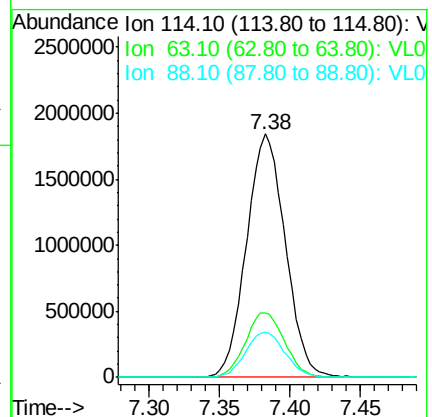
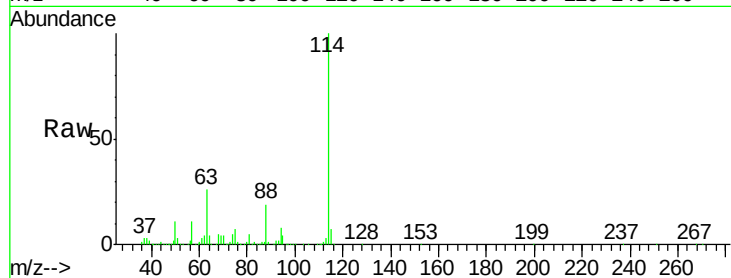
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	19.1	28.7
88	19.0	13.9	20.9

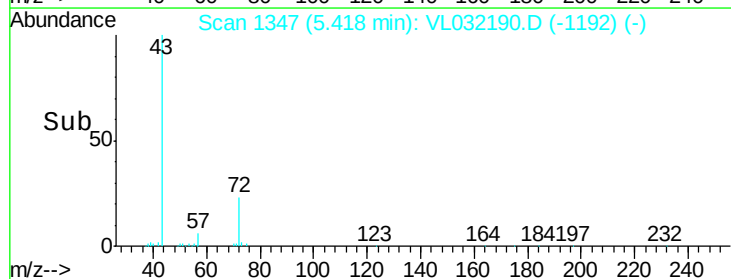
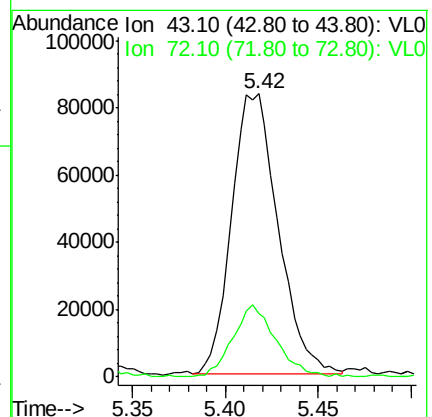
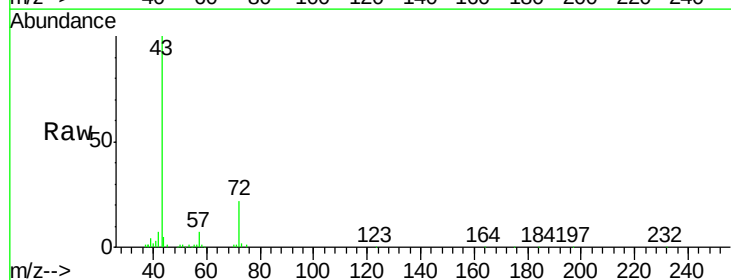
Manual Integrations
 APPROVED

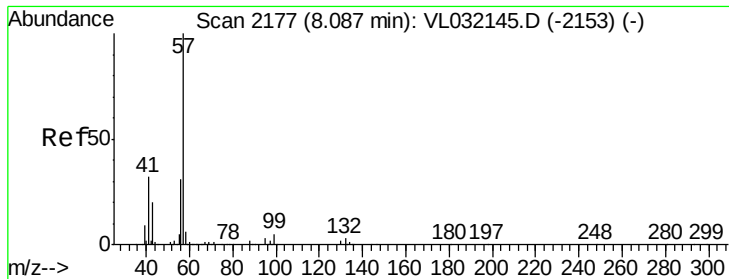
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#34
 2-Butanone
 Concen: 0.64 ppbv
 RT: 5.42 min Scan# 1347
 Delta R.T. -0.00 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.2	18.4	27.6





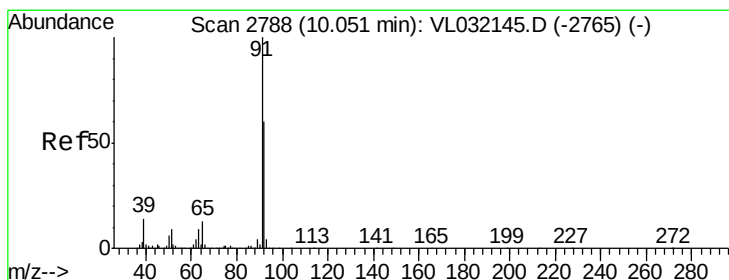
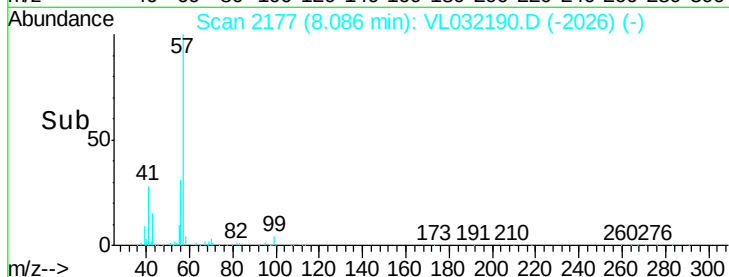
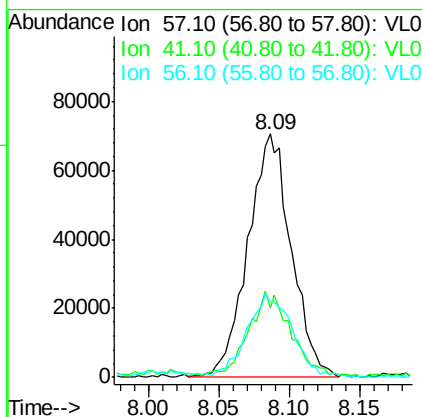
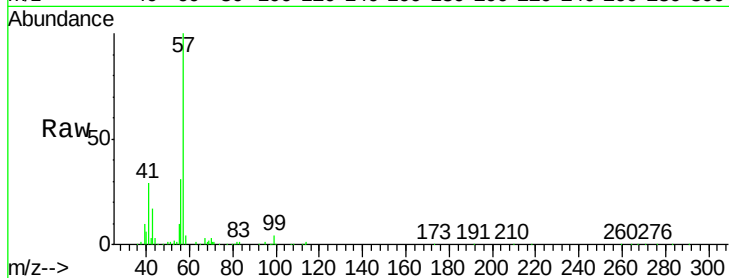
#44
 2,2,4-Trimethylpentane
 Concen: 0.25 ppbv
 RT: 8.09 min Scan# 2177
 Delta R.T. -0.02 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion	Ratio	Lower	Upper
57	100		
41	35.6	24.3	36.5
56	36.6	25.1	37.7

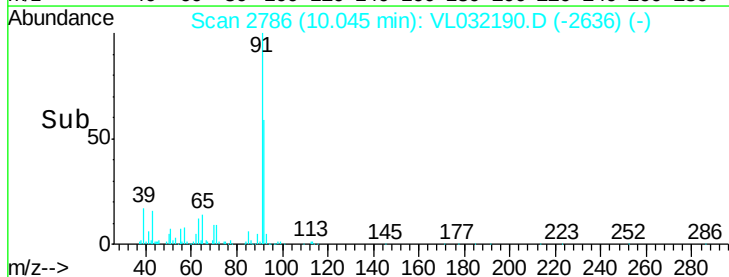
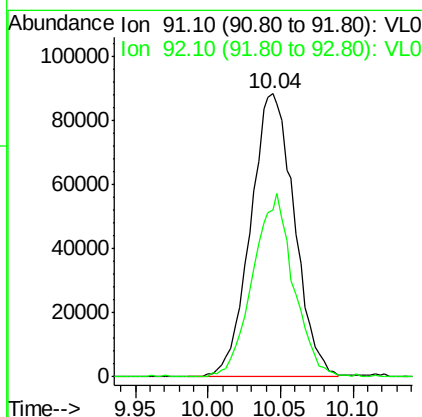
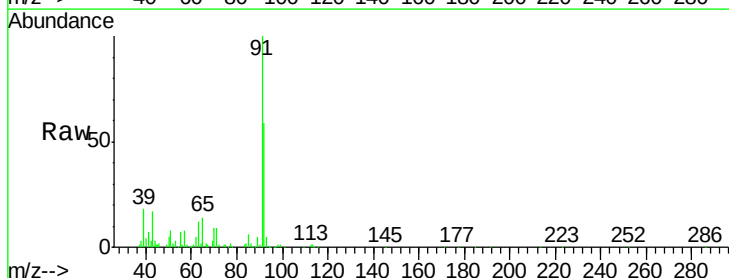
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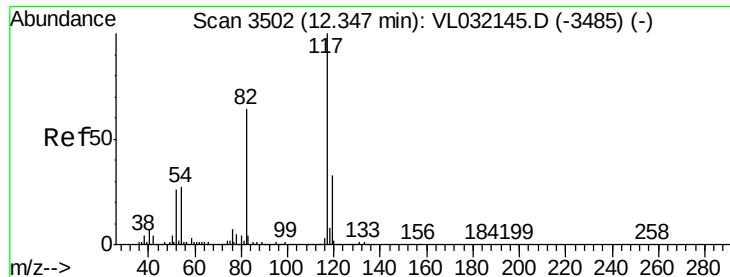
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#53
 Toluene
 Concen: 0.44 ppbv
 RT: 10.04 min Scan# 2786
 Delta R.T. -0.02 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
91	100		
92	60.4	49.2	73.8





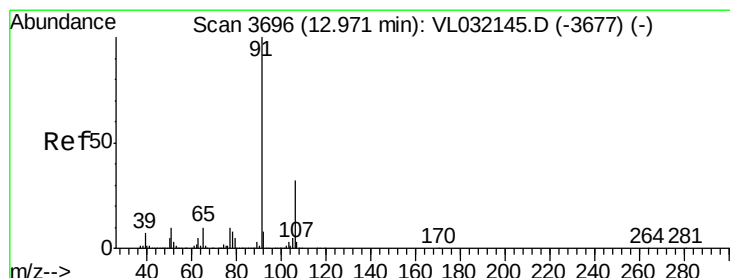
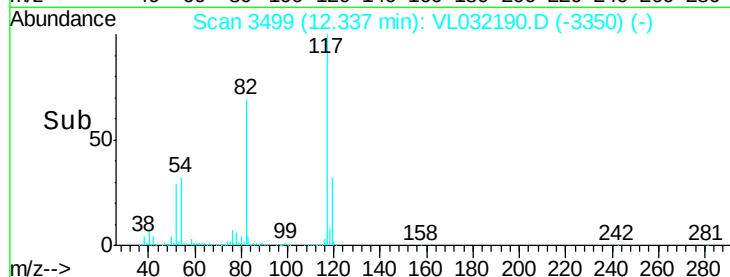
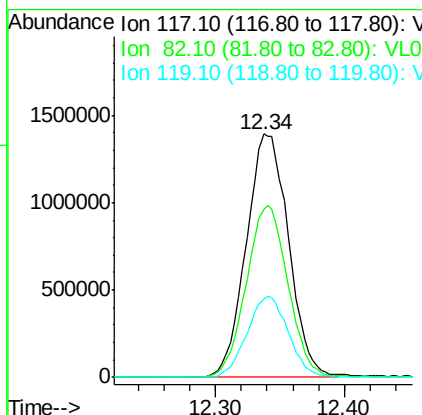
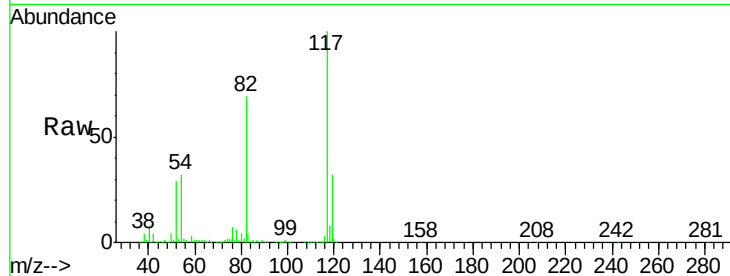
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.34 min Scan# 3499
Delta R.T. -0.02 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion	Ratio	Lower	Upper
117	100		
82	69.9	47.8	71.8
119	32.6	43.3	64.9#

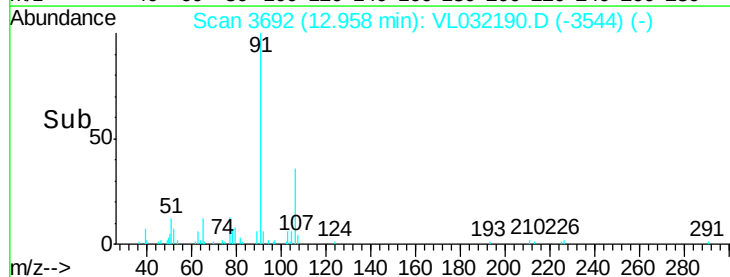
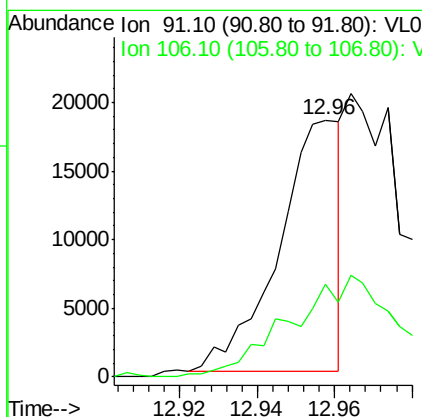
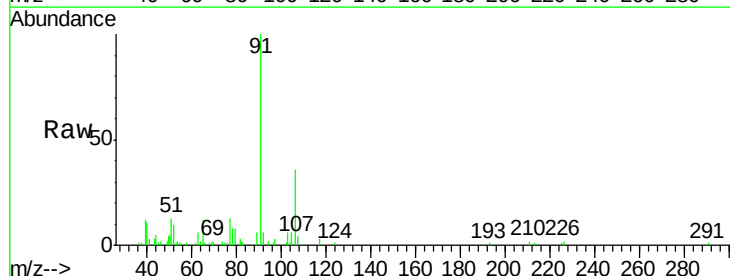
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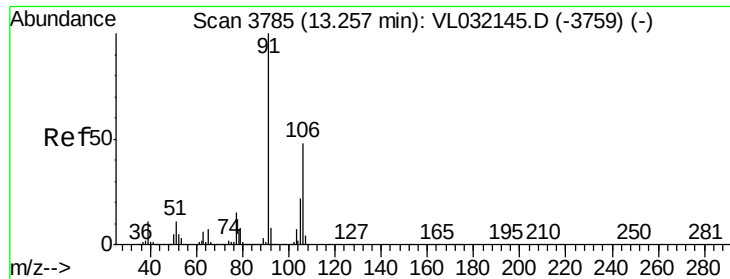
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#58
Ethyl Benzene
Concen: 0.04 ppbv
RT: 12.96 min Scan# 3692
Delta R.T. -0.03 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Tgt Ion	Ratio	Lower	Upper
91	100		
106	35.7	26.5	39.7





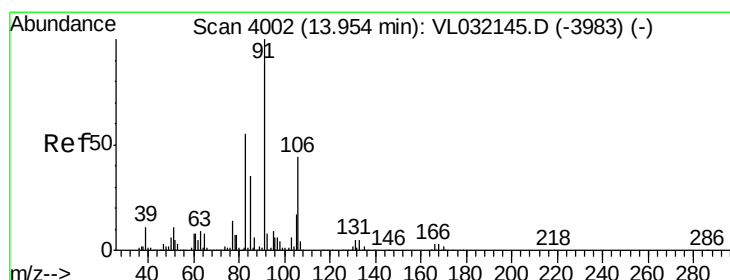
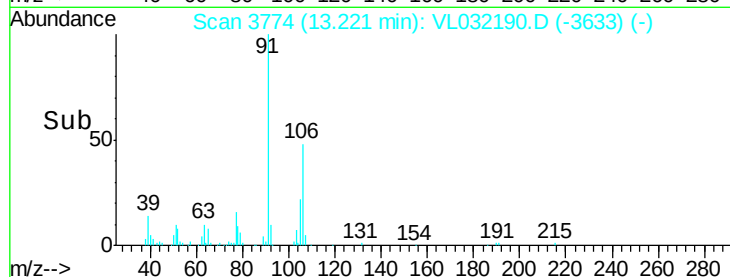
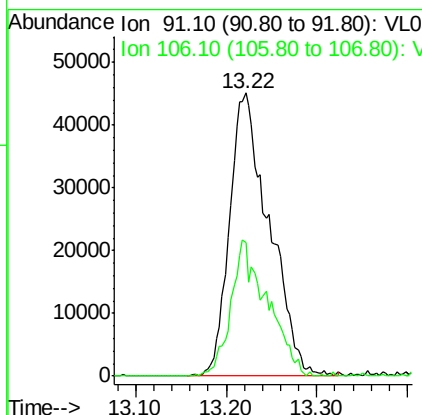
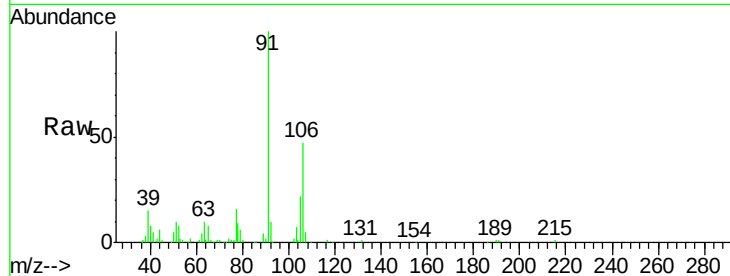
#59
m/p-Xylene
Concen: 0.33 ppbv m
RT: 13.22 min Scan# 3774
Delta R.T. -0.05 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Instrument :
MSVOA_L
ClientSampleId :
INFLUENTDL

Tot Ion: 91 Resp: 136780
Ion Ratio Lower Upper
91 100
106 0.0 38.6 58.0#

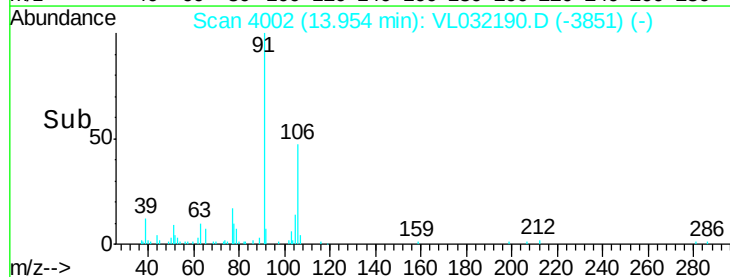
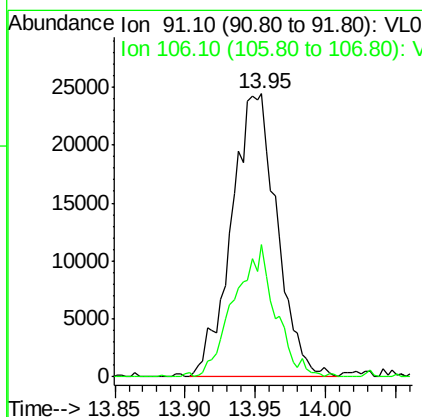
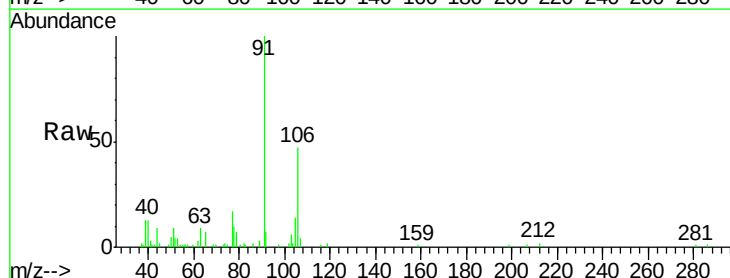
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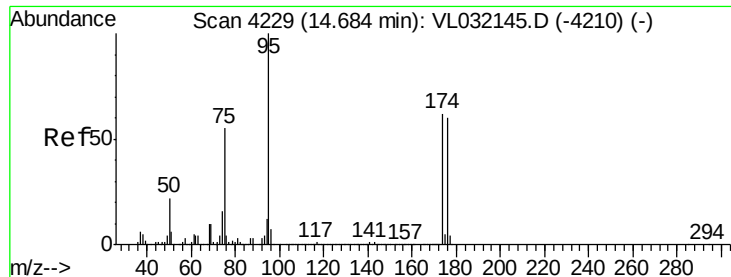
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#60
o-Xylene
Concen: 0.13 ppbv m
RT: 13.95 min Scan# 4002
Delta R.T. -0.02 min
Lab File: VL032190.D
Acq: 2 Jul 2018 20:27

Tgt Ion: 91 Resp: 54728
Ion Ratio Lower Upper
91 100
106 0.0 23.3 69.8#





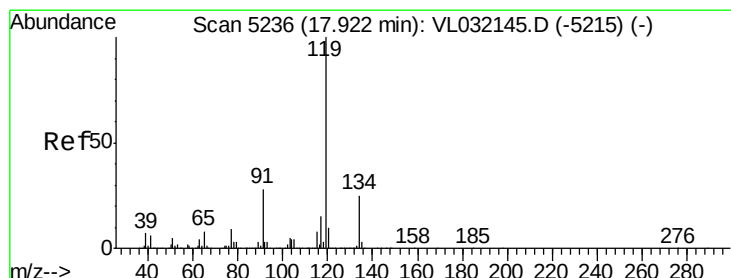
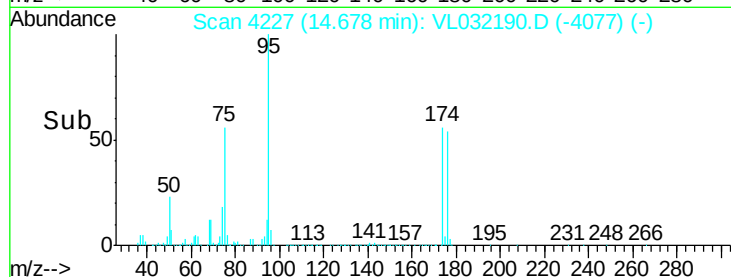
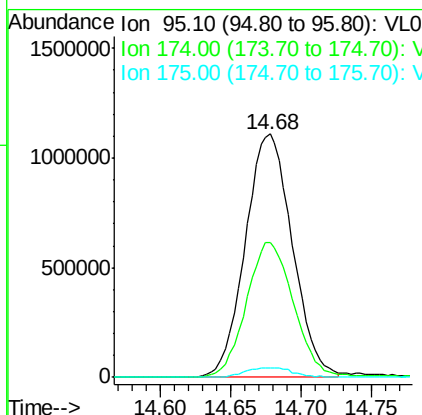
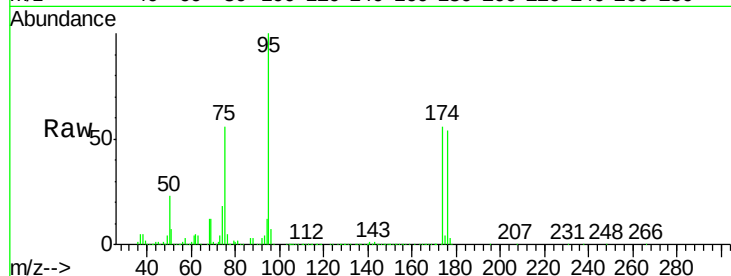
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.63 ppbv
 RT: 14.68 min Scan# 4227
 Delta R.T. -0.02 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Instrument :
 MSVOA_L
 ClientSampleId :
 INFLUENTDL

Tot Ion: 95 Resp: 2587645
 Ion Ratio Lower Upper
 95 100
 174 55.8 52.1 78.1
 175 4.2 4.0 6.0

Manual Integrations
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 7/3/2018 5:17:16 PM



#69
 p-Isopropyltoluene
 Concen: 0.31 ppbv m
 RT: 17.92 min Scan# 5235
 Delta R.T. -0.01 min
 Lab File: VL032190.D
 Acq: 2 Jul 2018 20:27

Tgt Ion: 119 Resp: 201078
 Ion Ratio Lower Upper
 119 100
 134 0.0 20.7 31.1#
 91 0.0 21.8 32.8#

