

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL070218\
 Data File : VL032187.D
 Acq On : 2 Jul 2018 18:30
 Operator : SY/AP
 Sample : J3599-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:13 PM

Quant Time: Jul 03 05:40:43 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL062918AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 29 2018
 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	1446417	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.38	114	4068081	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.34	117	3650338	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.68	95	2916572	10.45	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.50%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.07	51	132600	0.75	ppbv	99
13) Ethanol	3.72	45	46335m	1.86	ppbv	
15) Acetone	3.97	43	139988	0.83	ppbv	99
20) Methylene Chloride	4.48	84	201804	3.27	ppbv	98
26) Hexane	5.86	57	296624	1.84	ppbv #	45
58) Ethyl Benzene	13.21	91	52495	0.09	ppbv	95
59) m/p-Xylene	13.21	91	166693m	0.35	ppbv	
60) o-Xylene	13.95	91	234376m	0.50	ppbv	
72) 4-Ethyltoluene	16.10	105	200500	0.33	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.25	105	511924	0.89	ppbv	99
74) 1,2,4-Trimethylbenzene	17.03	105	410627	0.71	ppbv #	74

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

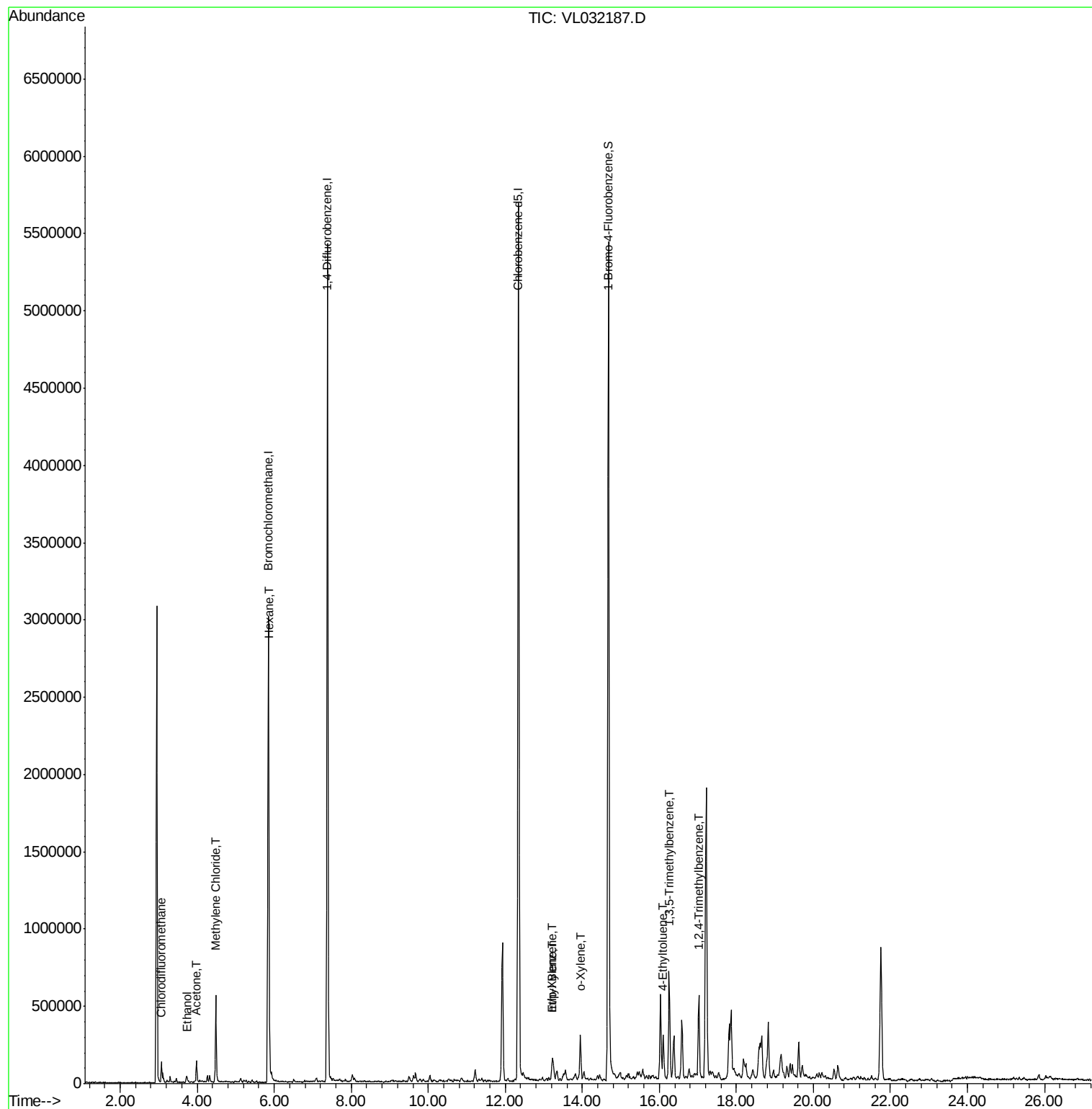
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL070218\
Data File : VL032187.D
Acq On : 2 Jul 2018 18:30
Operator : SY/AP
Sample : J3599-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

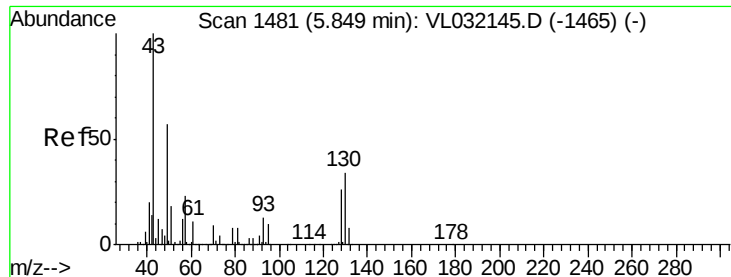
Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL

Manual Integrations
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7/3/2018 5:17:13 PM

Quant Time: Jul 03 05:40:43 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





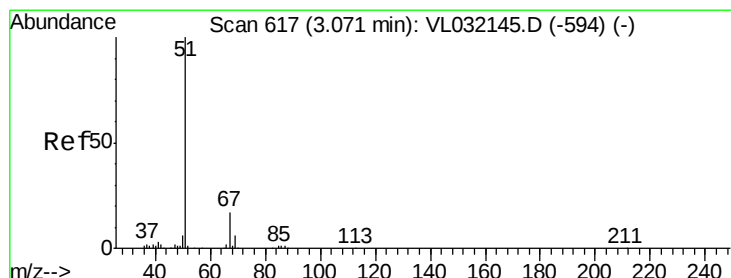
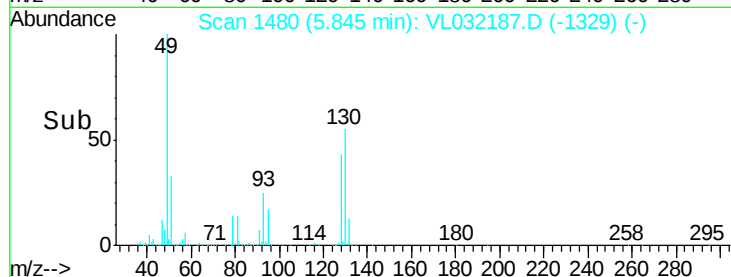
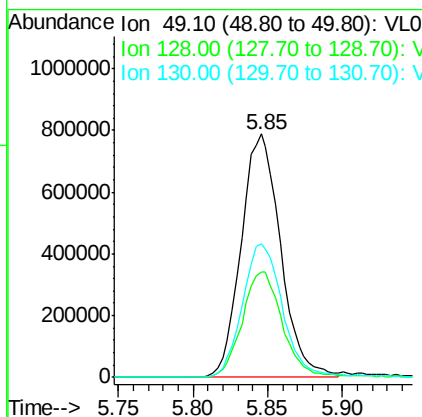
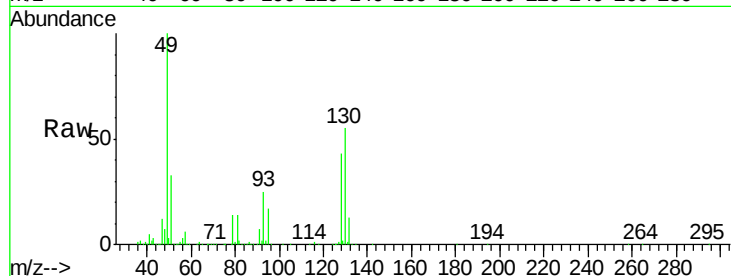
#1
Bromochloromethane
Concen: 10.00 ppbv
RT: 5.85 min Scan# 1480
Delta R.T. -0.02 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL

Tot Ion: 49 Resp: 1446417
Ion Ratio Lower Upper
49 100
128 45.1 23.4 70.0
130 57.6 30.3 90.9

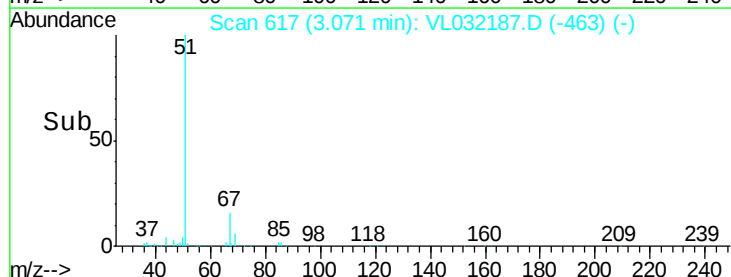
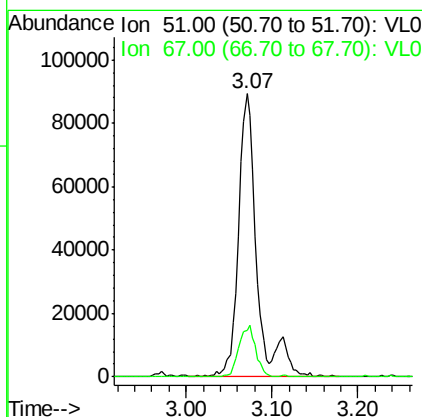
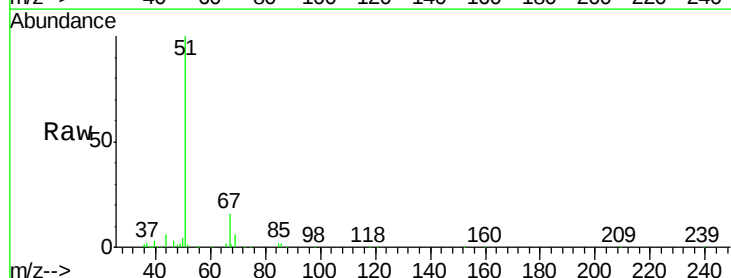
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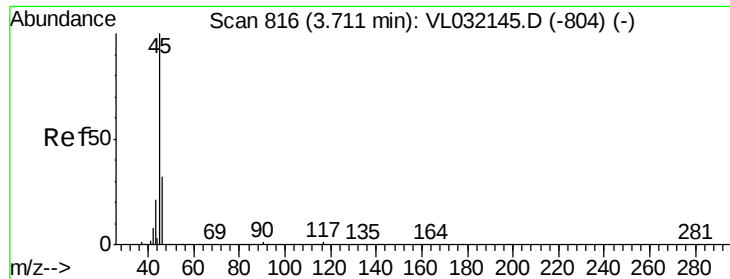
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#3
Chlorodifluoromethane
Concen: 0.75 ppbv
RT: 3.07 min Scan# 617
Delta R.T. -0.01 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Tgt Ion: 51 Resp: 132600
Ion Ratio Lower Upper
51 100
67 16.7 13.2 19.8





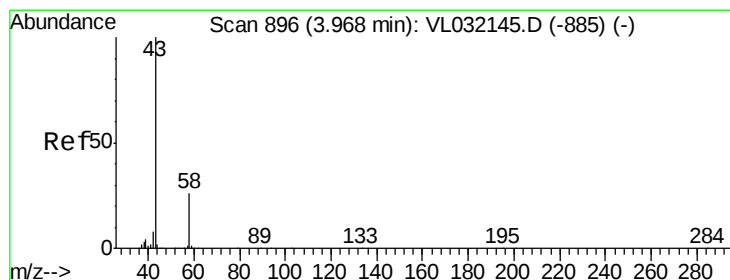
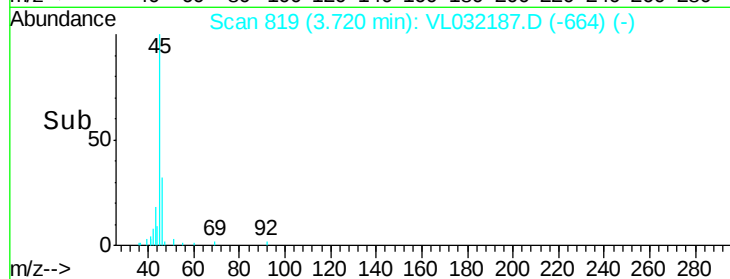
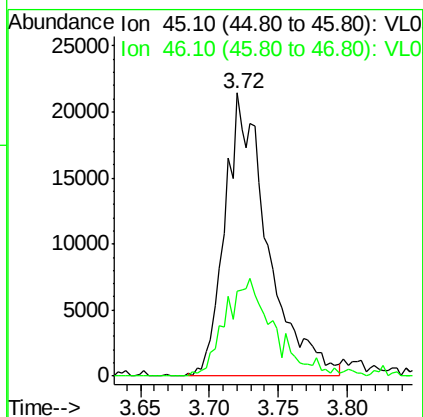
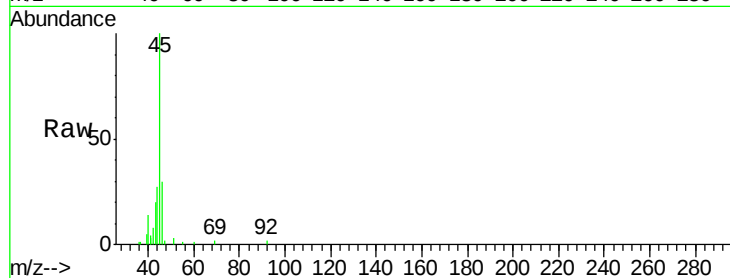
#13
Ethanol
Concen: 1.86 ppbv m
RT: 3.72 min Scan# 819
Delta R.T. -0.00 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.4#

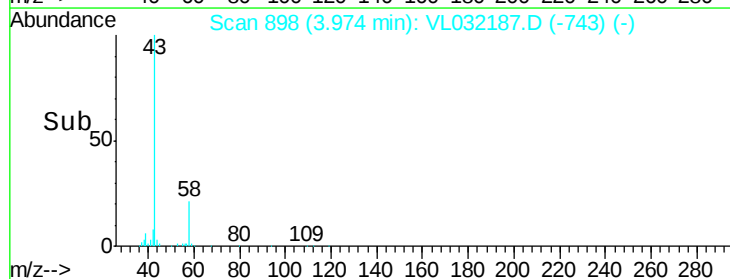
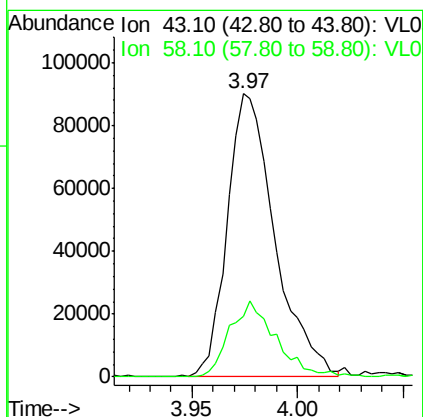
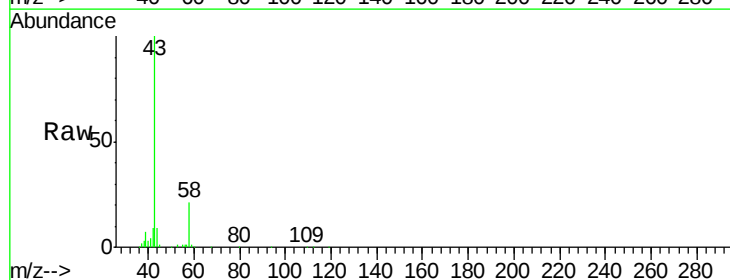
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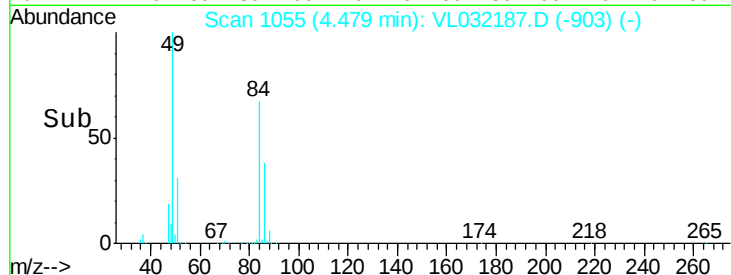
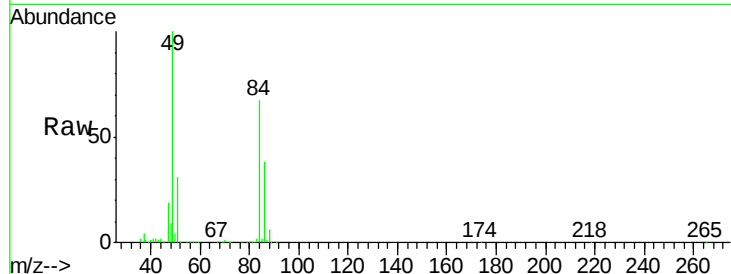
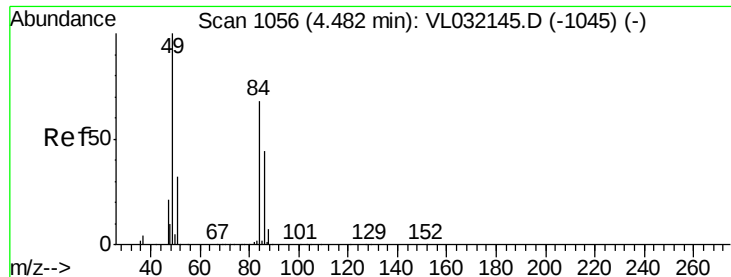
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#15
Acetone
Concen: 0.83 ppbv
RT: 3.97 min Scan# 898
Delta R.T. -0.00 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Tgt Ion	Ratio	Lower	Upper
43	100		
58	26.4	21.4	32.0





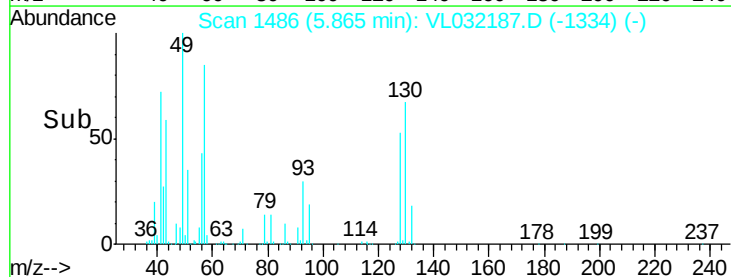
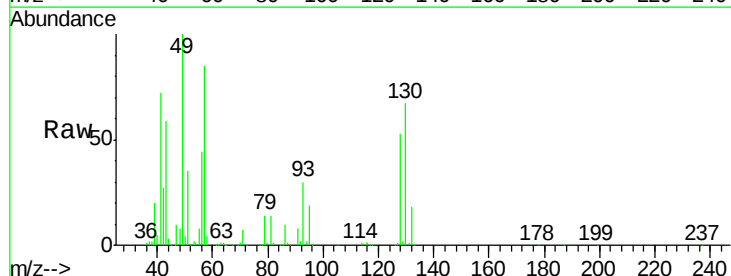
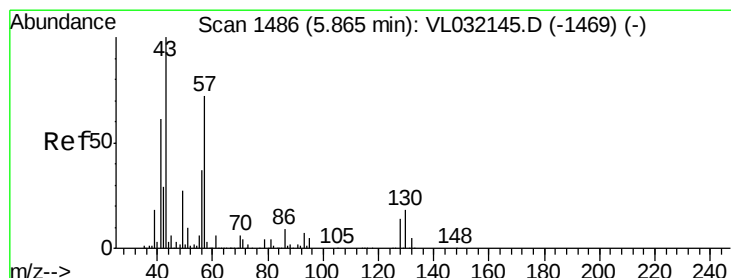
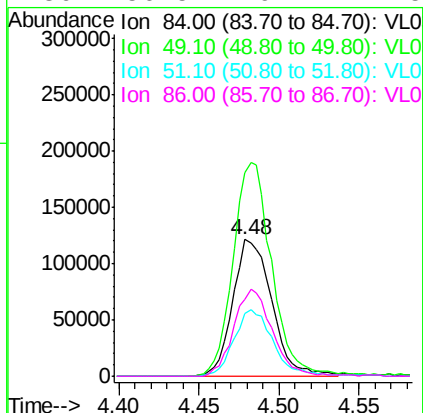
#20
Methvlene Chloride
Concen: 3.27 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Tot Ion	Ratio	Resp	Lower	Upper
84	100			
49	149.1	119.6	179.4	
51	46.3	36.3	54.5	
86	56.5	49.7	74.5	

Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL

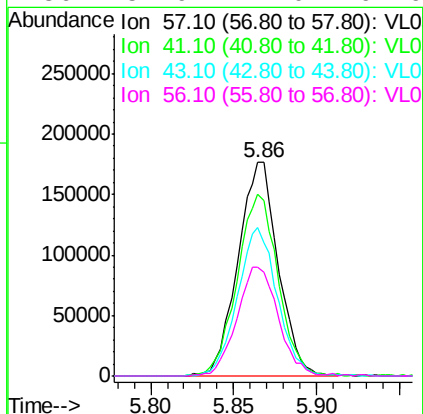
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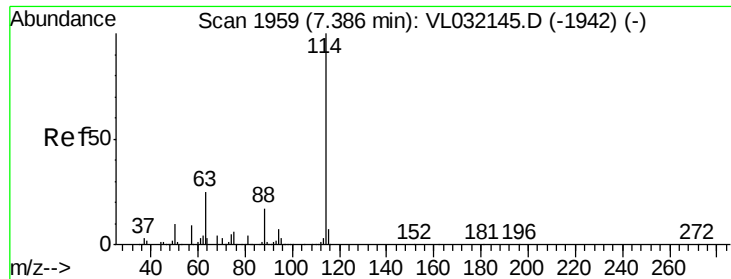
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#26
Hexane
Concen: 1.84 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
57	100			
41	87.1	68.6	103.0	
43	69.5	168.6	252.8#	
56	52.9	41.0	61.6	





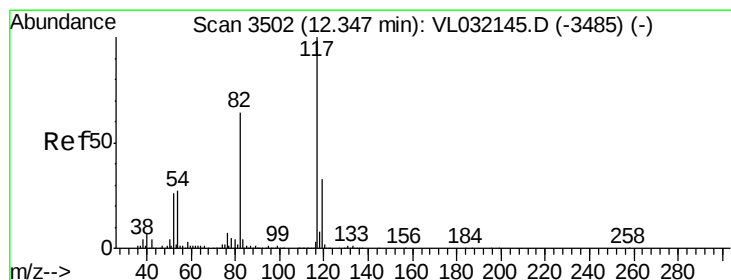
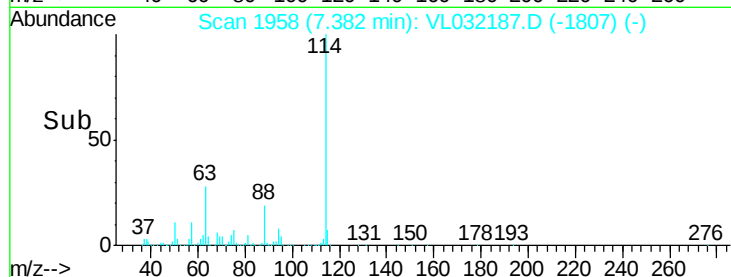
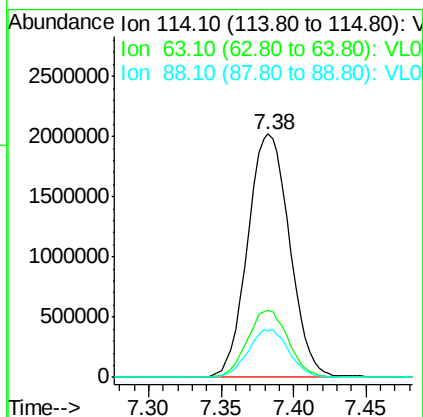
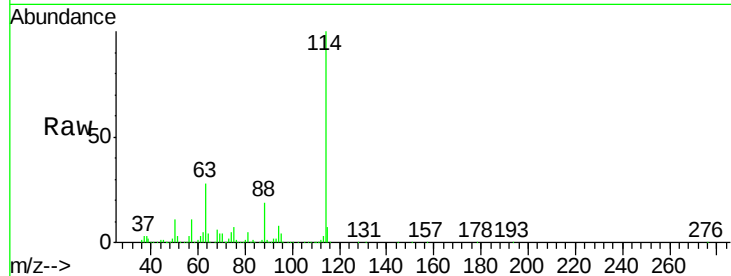
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.0	19.1	28.7
88	19.2	13.9	20.9

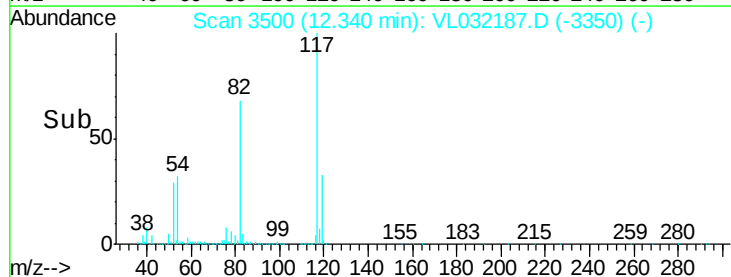
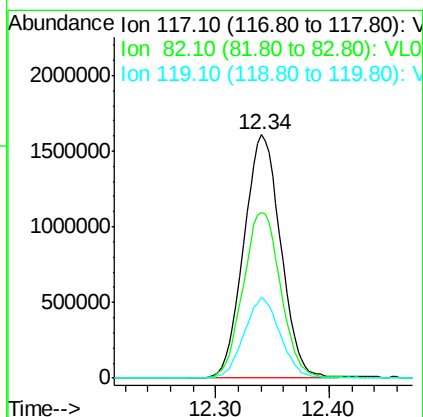
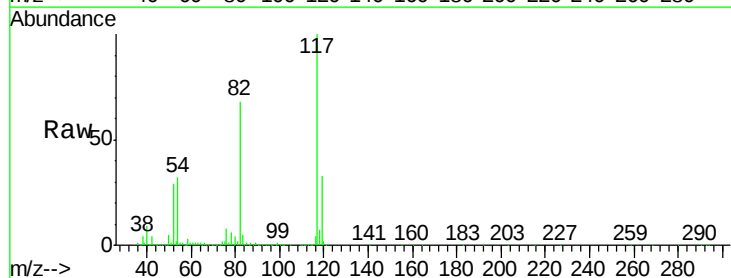
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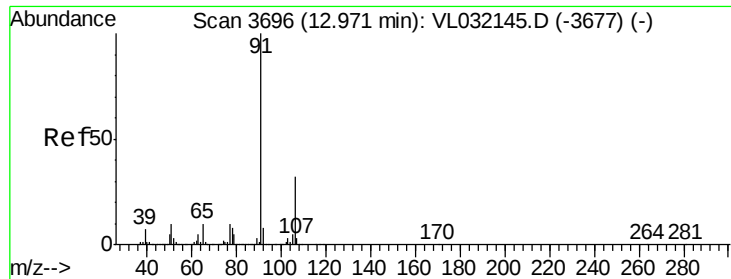
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#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.34 min Scan# 3500
 Delta R.T. -0.02 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Tgt Ion	Ratio	Lower	Upper
117	100		
82	69.8	47.8	71.8
119	32.7	43.3	64.9#





#58

Ethyl Benzene

Concen: 0.09 ppbv

RT: 13.21 min Scan# 3772

Delta R.T. 0.23 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

Instrument :

MSVOA_L

ClientSampleId :

B-1-EFFLUENTDL

Tot Ion: 91 Resp: 52495

Ion Ratio Lower Upper

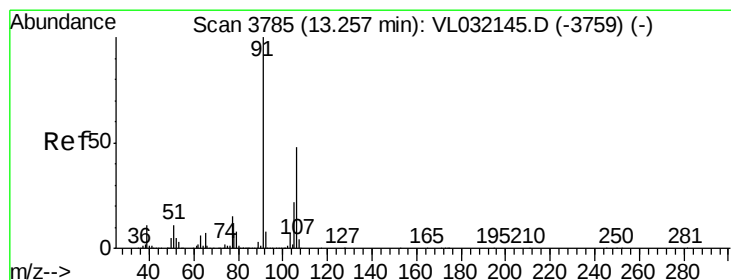
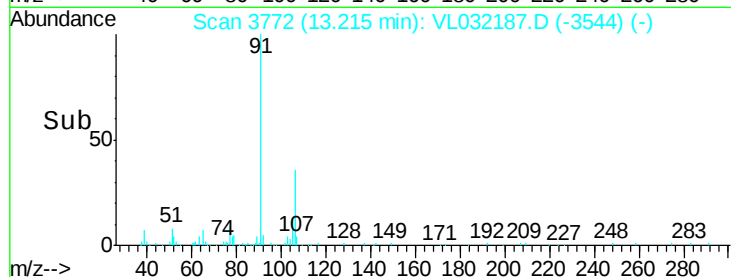
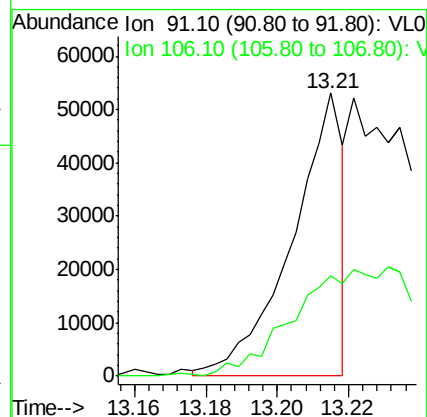
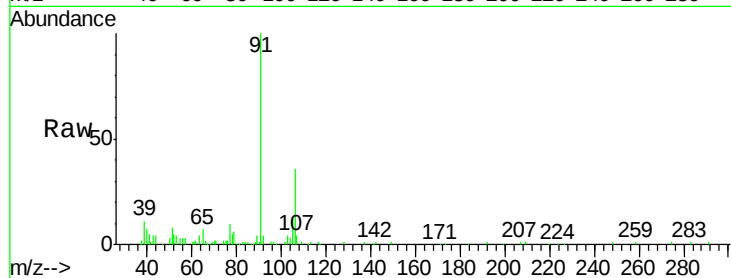
91 100

106 35.6 26.5 39.7

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#59

m/p-Xylene

Concen: 0.35 ppbv m

RT: 13.21 min Scan# 3772

Delta R.T. -0.05 min

Lab File: VL032187.D

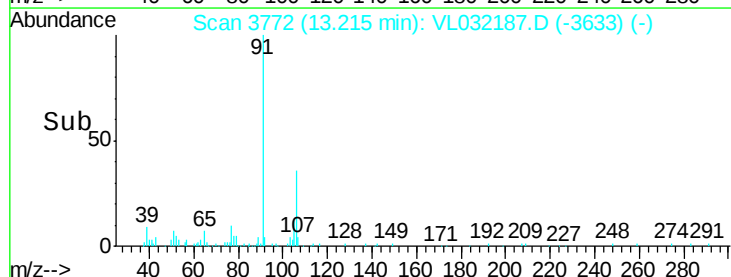
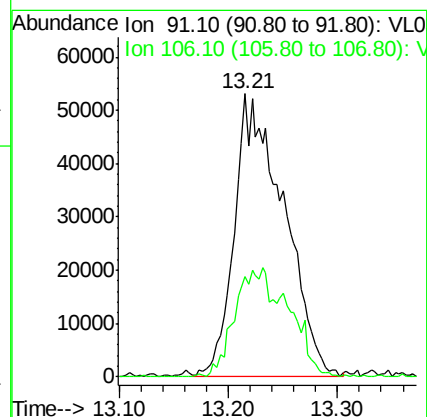
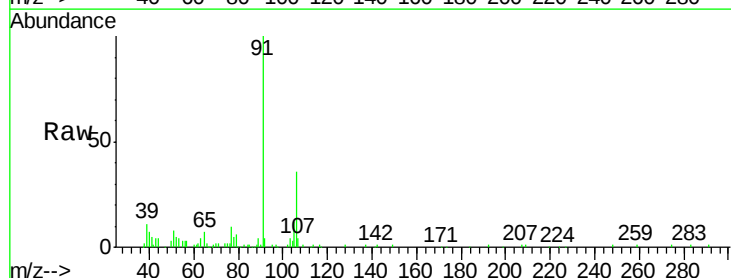
Acq: 2 Jul 2018 18:30

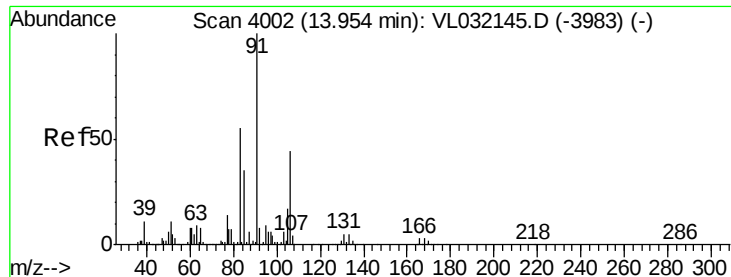
Tgt Ion: 91 Resp: 166693

Ion Ratio Lower Upper

91 100

106 42.2 38.6 58.0





#60

o-Xylene

Concen: 0.50 ppbv m

RT: 13.95 min Scan# 4001

Delta R.T. -0.02 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

Instrument :

MSVOA_L

ClientSampleId :

B-1-EFFLUENTDL

Tot Ion: 91 Resp: 234376

Ion Ratio Lower Upper

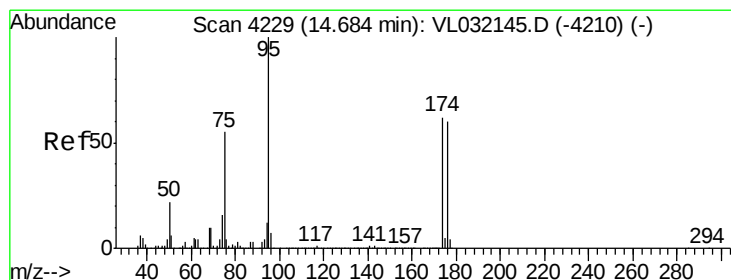
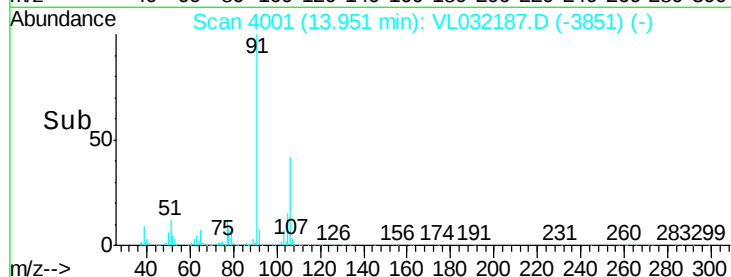
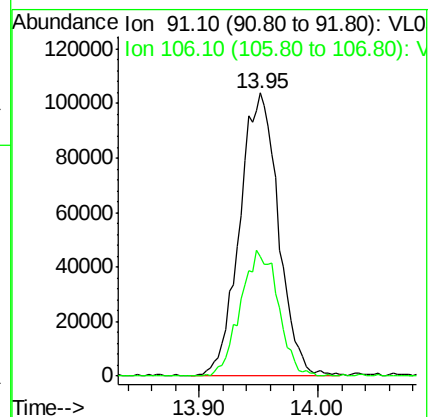
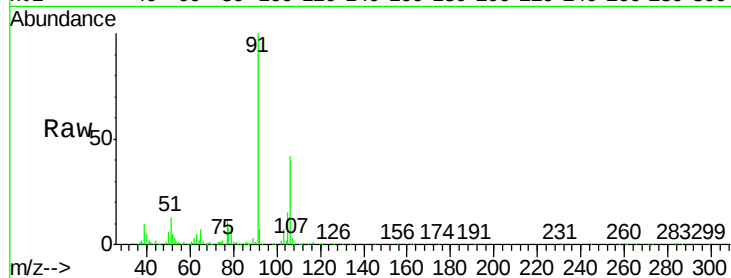
91 100

106 43.4 23.3 69.8

Manual Integrations
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#68

1-Bromo-4-Fluorobenzene

Concen: 10.45 ppbv

RT: 14.68 min Scan# 4227

Delta R.T. -0.02 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

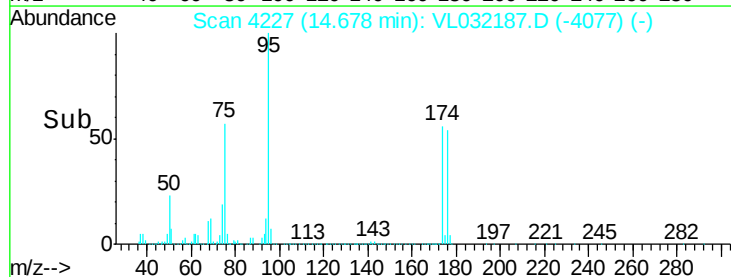
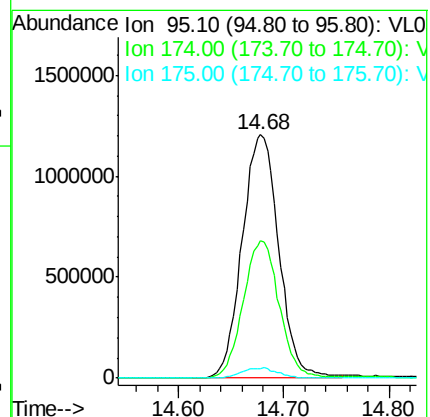
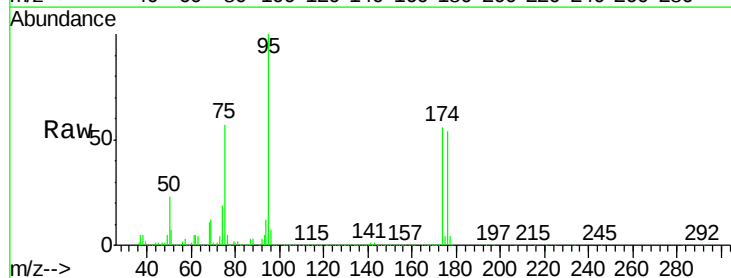
Tgt Ion: 95 Resp: 2916572

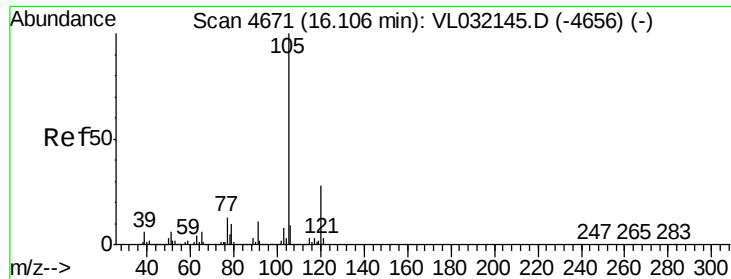
Ion Ratio Lower Upper

95 100

174 55.7 52.1 78.1

175 4.1 4.0 6.0





#72

4-Ethyltoluene

Concen: 0.33 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. -0.02 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

Instrument :

MSVOA_L

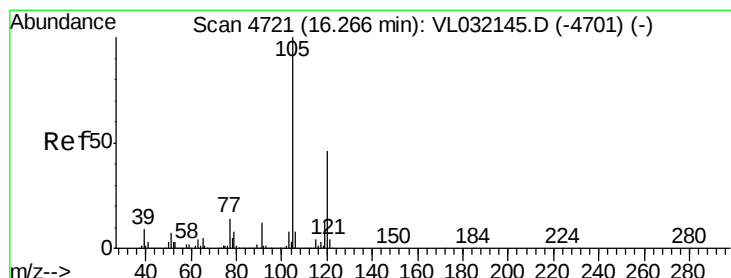
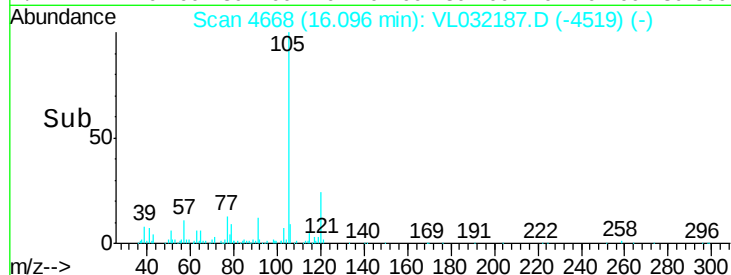
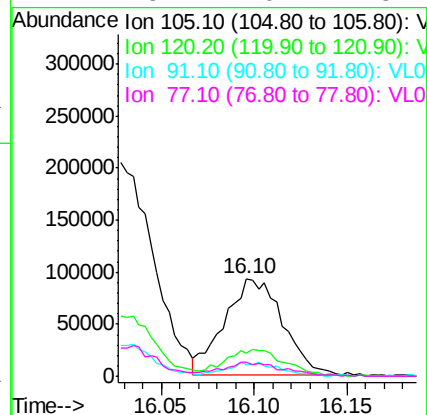
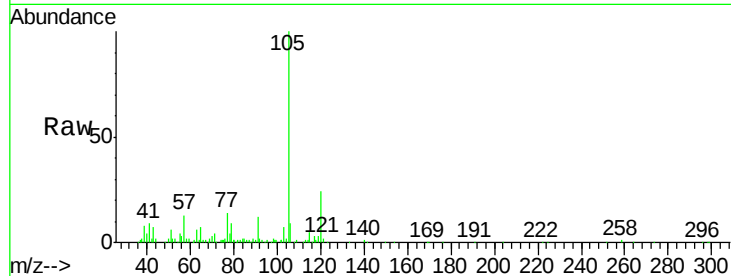
ClientSampleId :

B-1-EFFLUENTDL

Tot Ion	Ratio	Resp	Lower	Upper
105	100	200500		
120	30.1	24.3	36.5	
91	14.0	9.4	14.0	
77	15.7	10.2	15.2	

Manual Integrations
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#73

1,3,5-Trimethylbenzene

Concen: 0.89 ppbv

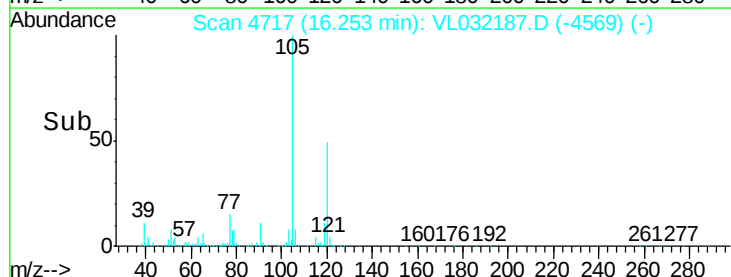
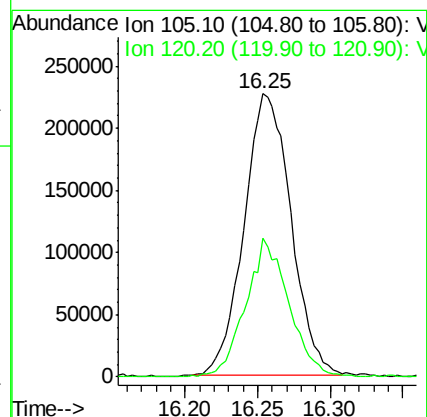
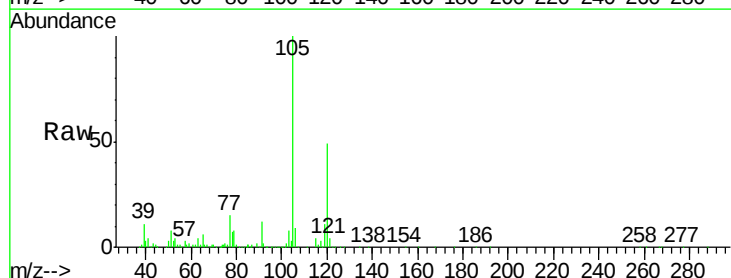
RT: 16.25 min Scan# 4717

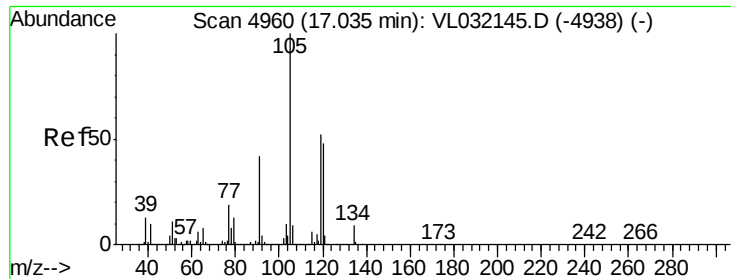
Delta R.T. -0.03 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	511924		
120	49.0	38.6	57.8	





#74
 1,2,4-Trimethylbenzene
 Concen: 0.71 ppbv
 RT: 17.03 min Scan# 4957
 Delta R.T. -0.02 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL

Tot Ion	Ion	Ratio	Resp	Lower	Upper
410627	105	100			
	120	40.6		38.8	58.2
	91	11.8		33.6	50.4
	77	12.5		16.0	24.0

Manual Integrations
 APPROVED

MMDadoda
 7/3/2018 5:17:13 PM

