

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

Quant Time: Jul 03 05:03:51 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 22:27:58 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

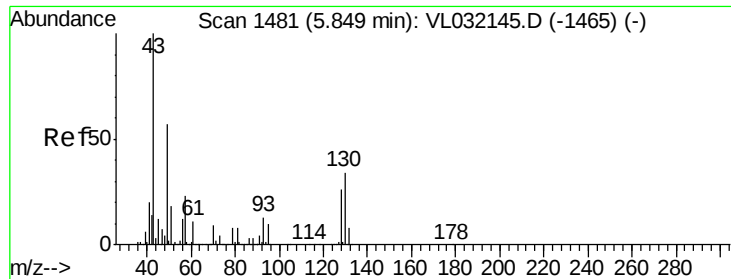
System Monitoring Compounds

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	Qvalue
2) Dichlorodifluoromethane	3.13	85	6975	0.037	ppbv	92
3) Chlorodifluoromethane	3.07	51	132600	0.750	ppbv	99
9) Propene	3.11	41	4351	0.053	ppbv	100
13) Ethanol	3.72	45	22952	0.919	ppbv #	38
15) Acetone	3.97	43	139988	0.828	ppbv	99
20) Methylene Chloride	4.48	84	201804	3.265	ppbv	98
25) Ethyl Acetate	5.86	43	201865	0.577	ppbv #	78
26) Hexane	5.86	57	296624	1.841	ppbv #	45
29) Chloroform	5.93	83	20795	0.089	ppbv	96
34) 2-Butanone	5.42	43	15990	0.062	ppbv	98
39) 1,2-Dichloropropane	7.38	63	1082002	6.968	ppbv #	27
58) Ethyl Benzene	13.21	91	52495	0.089	ppbv	95
59) m/p-Xylene	13.23	91	75878	0.161	ppbv #	34
60) o-Xylene	13.95	91	135649	0.288	ppbv #	57
64) n-propylbenzene	16.03	120	77397	0.414	ppbv #	1
67) sec-Butylbenzene	17.86	105	280412	0.301	ppbv #	62
72) 4-Ethyltoluene	16.10	105	200500	0.330	ppbv #	97
73) 1,3,5-Trimethylbenzene	16.25	105	511924	0.895	ppbv	99
74) 1,2,4-Trimethylbenzene	17.03	105	410627	0.711	ppbv #	74

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

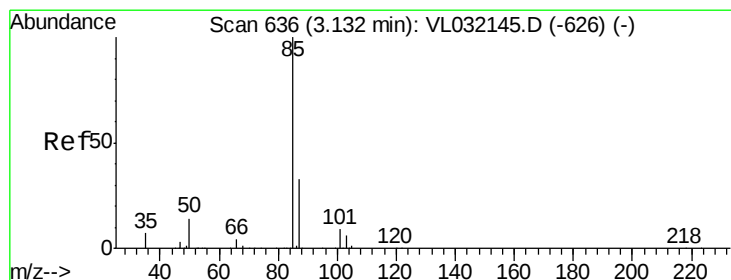
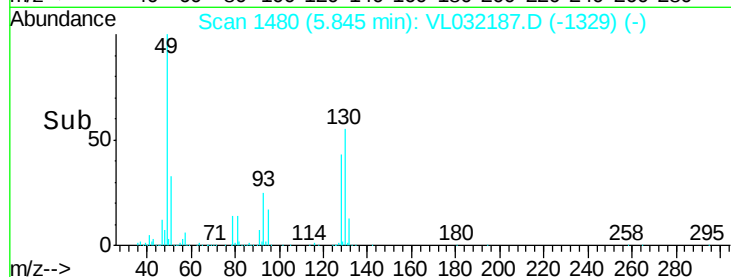
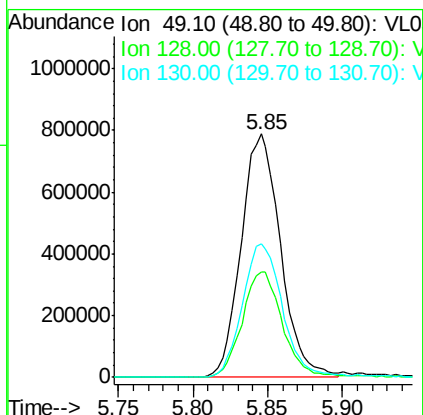
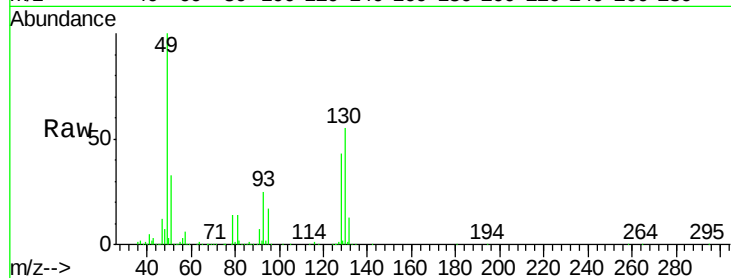
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Acq On    : 2 Jul 2018 18:30  
Operator  : SY/AP  
Sample    : J3599-01DL 10X  
Misc      : 400ml/MSVOA_L  
ALS Vial  : 1 Sample Multiplier: 1
```



#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.85 min Scan# 1480
 Delta R.T. -0.02 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

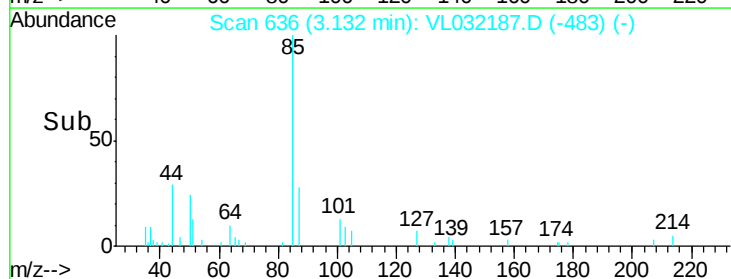
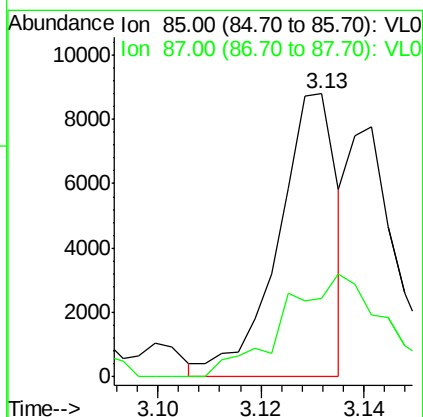
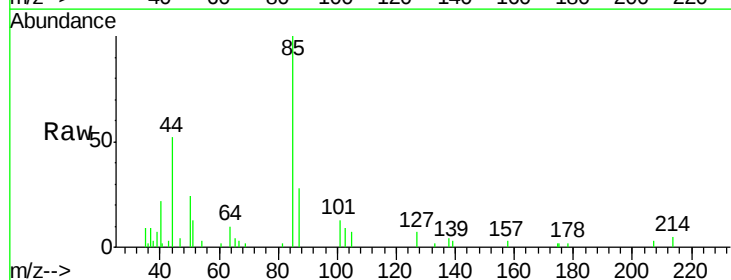
Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL

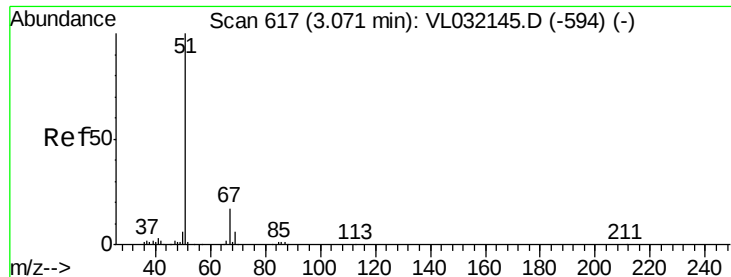
Tgt Ion: 49 Resp: 1446417
 Ion Ratio Lower Upper
 49 100
 128 45.1 23.4 70.0
 130 57.6 30.3 90.9



#2
 Dichlorodifluoromethane
 Concen: 0.037 ppbv
 RT: 3.13 min Scan# 636
 Delta R.T. -0.01 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Tgt Ion: 85 Resp: 6975
 Ion Ratio Lower Upper
 85 100
 87 29.1 26.7 40.1





#3

Chlorodifluoromethane

Concen: 0.750 ppbv

RT: 3.07 min Scan# 617

Delta R.T. -0.01 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

Instrument :

MSVOA_L

ClientSampleId :

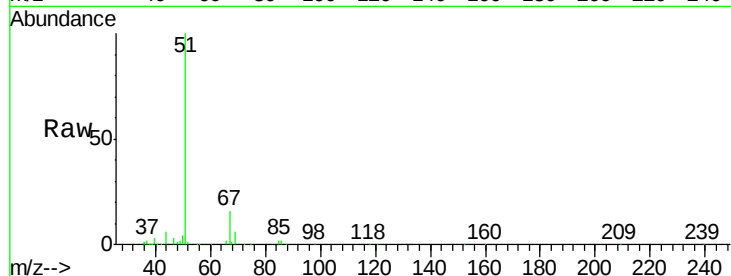
B-1-EFFLUENTDL

Tgt Ion: 51 Resp: 132600

Ion Ratio Lower Upper

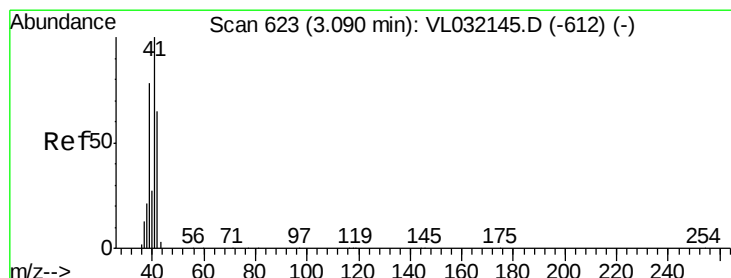
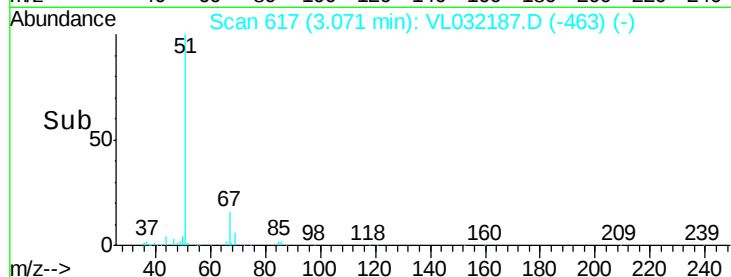
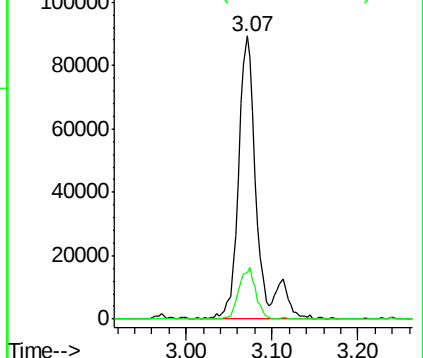
51 100

67 16.7 13.2 19.8



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#9

Propene

Concen: 0.053 ppbv

RT: 3.11 min Scan# 628

Delta R.T. 0.01 min

Lab File: VL032187.D

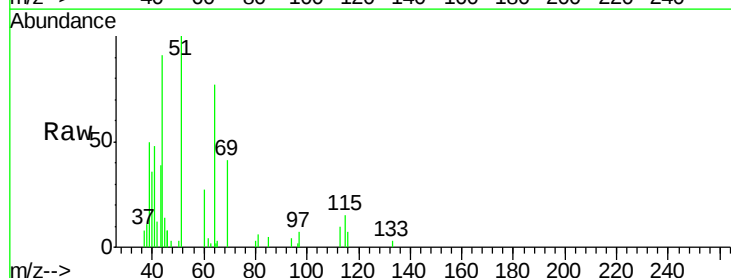
Acq: 2 Jul 2018 18:30

Tgt Ion: 41 Resp: 4351

Ion Ratio Lower Upper

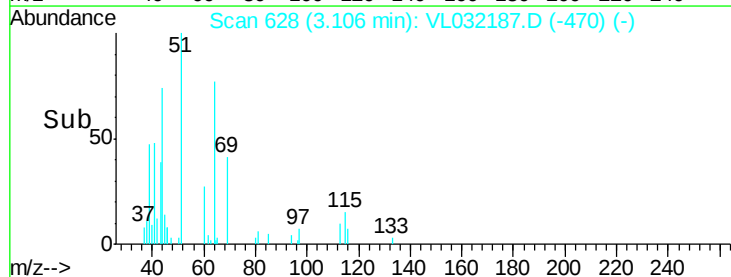
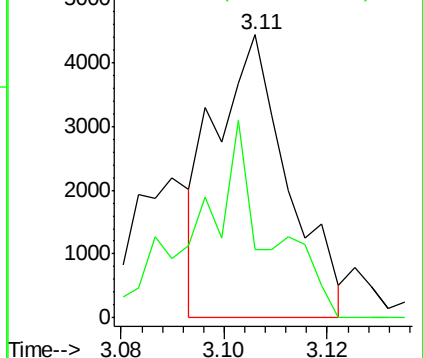
41 100

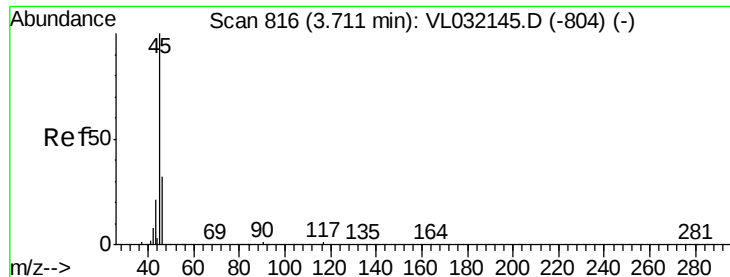
42 70.2 56.2 84.4



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





#13

Ethanol

Concen: 0.919 ppbv

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 :

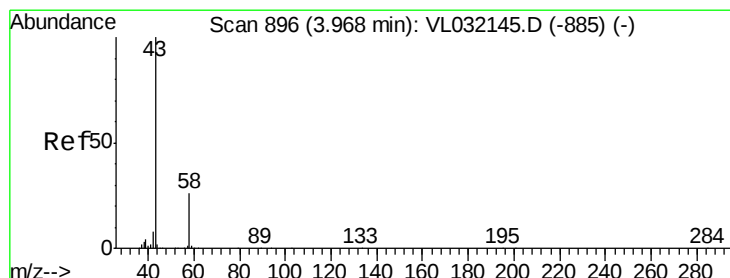
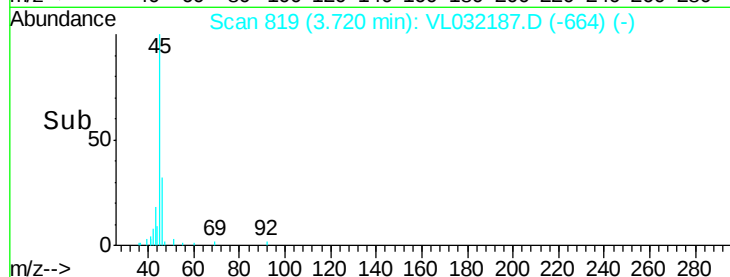
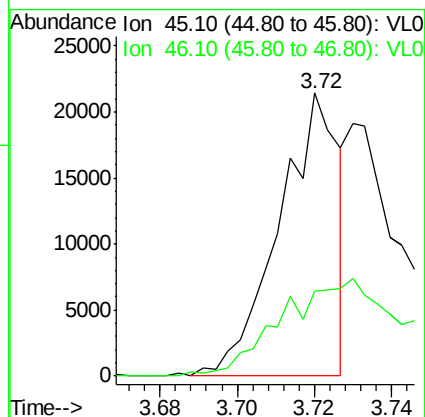
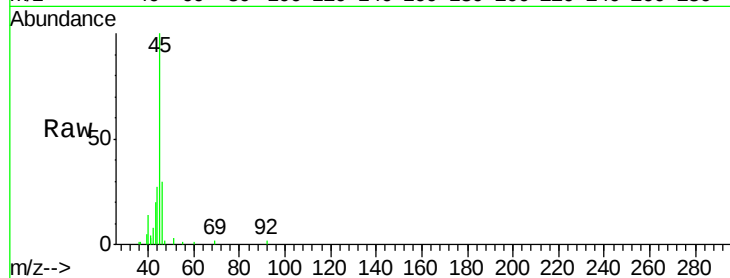
B-1-EFFLUENTDL

Tgt Ion: 45 Resp: 22952

Ion Ratio Lower Upper

45 100

46 0.0 14.6 58.4#



#15

Acetone

Concen: 0.828 ppbv

RT: 3.97 min Scan# 898

Delta R.T. -0.00 min

Lab File: VL032187.D

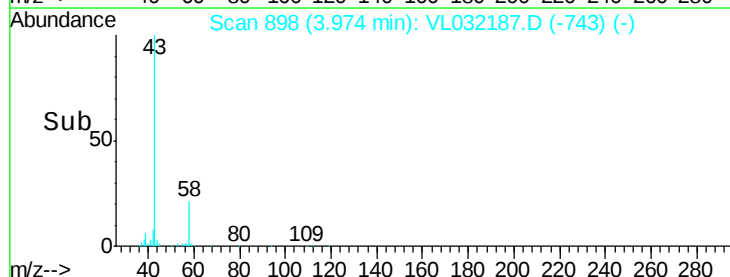
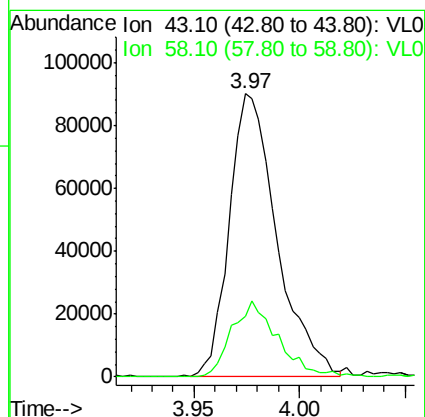
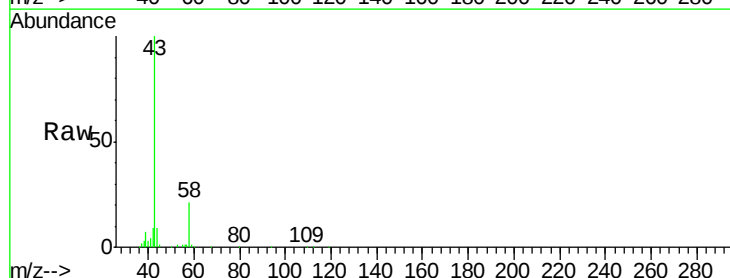
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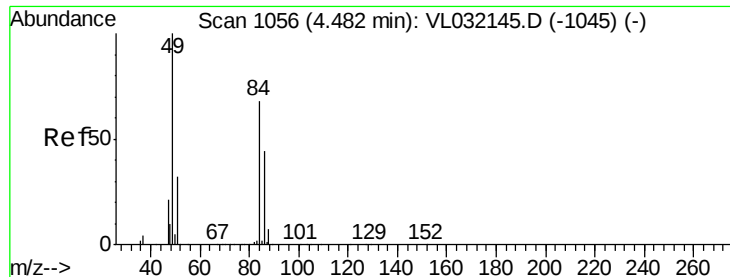
Tgt Ion: 43 Resp: 139988

Ion Ratio Lower Upper

43 100

58 26.4 21.4 32.0

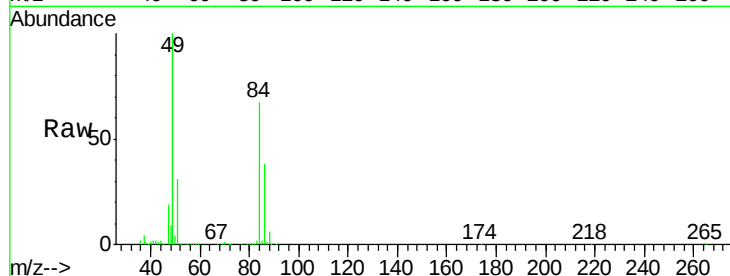




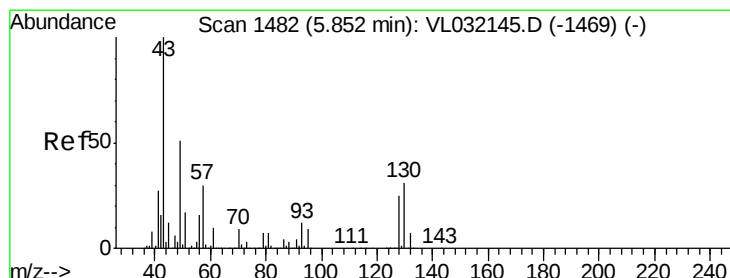
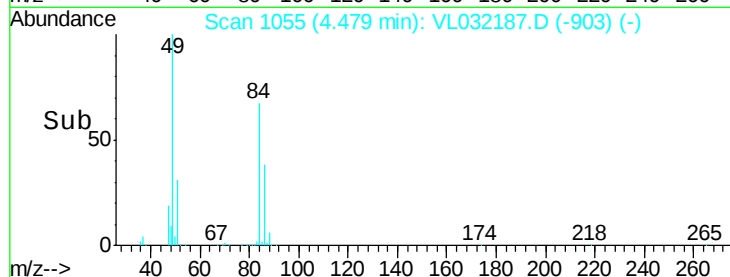
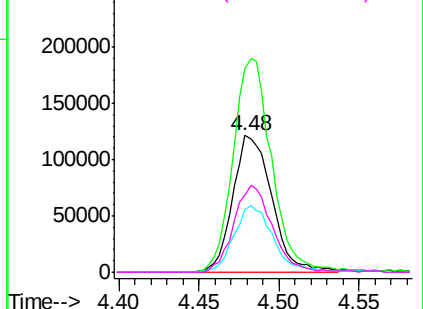
#20
Methylene Chloride
Concen: 3.265 ppbv
RT: 4.48 min Scan# 1055
Delta R.T. -0.01 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Instrument :
MSVOA_L
ClientSampleId :
B-1-EFFLUENTDL

Tgt Ion:	84	Resp:	201804
Ion	Ratio	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

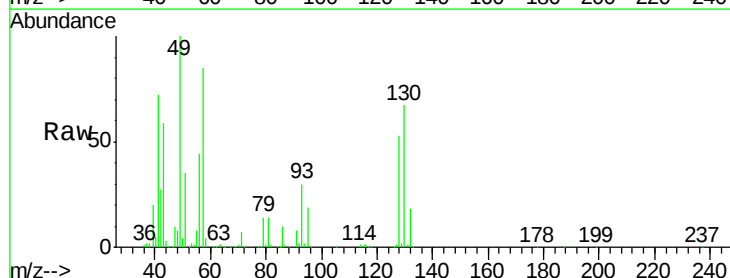


Abundance Ion 84.00 (83.70 to 84.70): VL0
Ion 49.10 (48.80 to 49.80): VL0
Ion 51.10 (50.80 to 51.80): VL0
Ion 86.00 (85.70 to 86.70): VL0

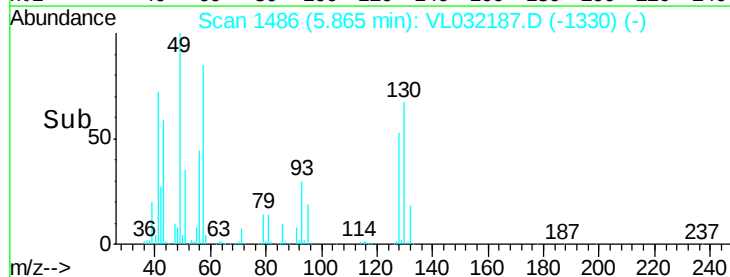
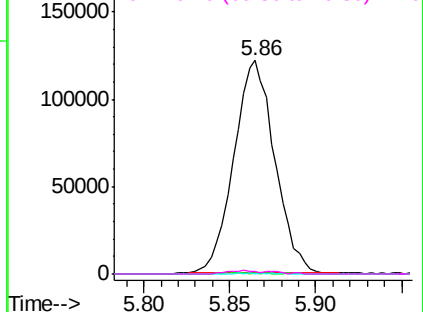


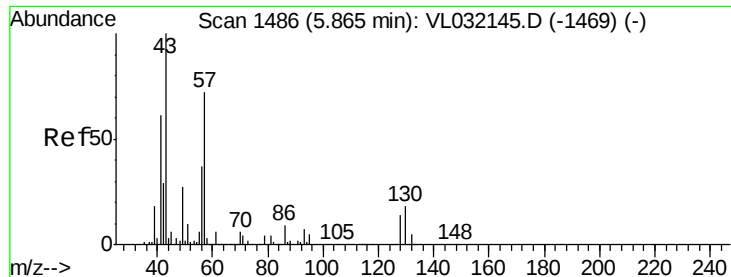
#25
Ethyl Acetate
Concen: 0.577 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. 0.00 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Tgt Ion:	43	Resp:	201865
Ion	Ratio	Lower	Upper
43	100		
45	0.4	7.8	11.8#
61	0.4	7.4	11.0#
70	1.8	6.1	9.1#



Abundance Ion 43.10 (42.80 to 43.80): VL0
Ion 45.10 (44.80 to 45.80): VL0
Ion 61.10 (60.80 to 61.80): VL0
Ion 70.10 (69.80 to 70.80): VL0

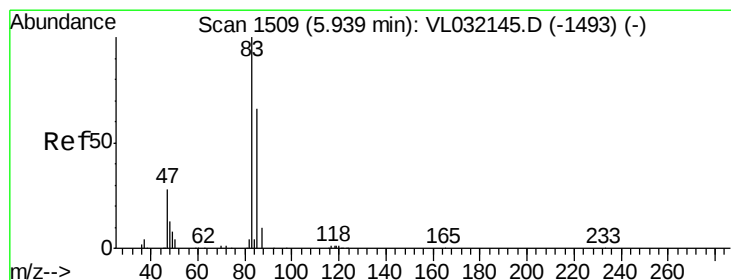
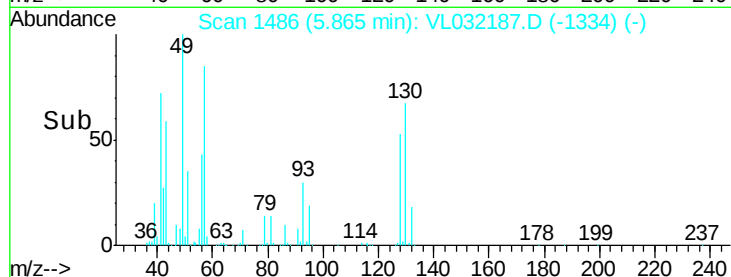
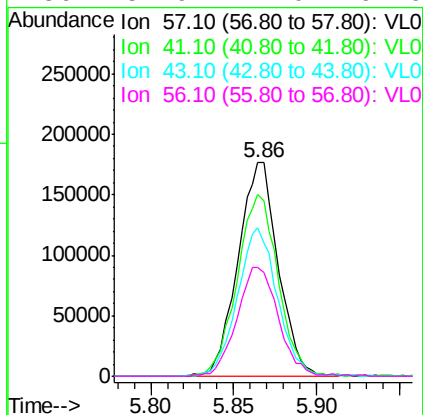
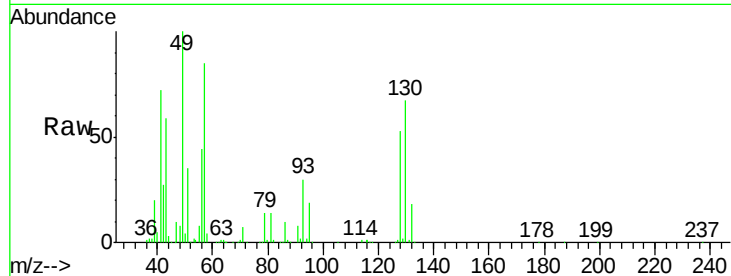




#26
Hexane
Concen: 1.841 ppbv
RT: 5.86 min Scan# 1486
Delta R.T. -0.01 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

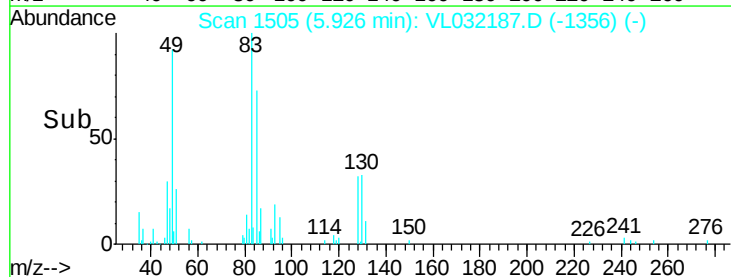
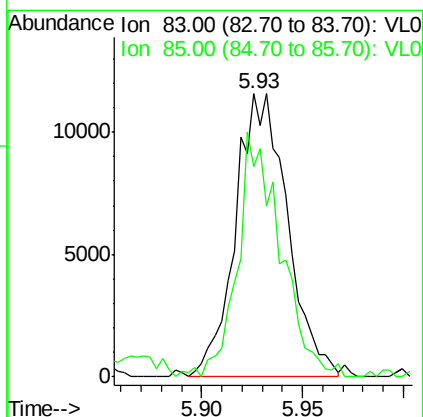
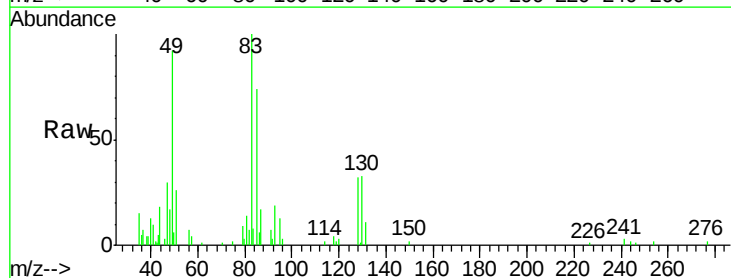
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B-1-EFFLUENTDL

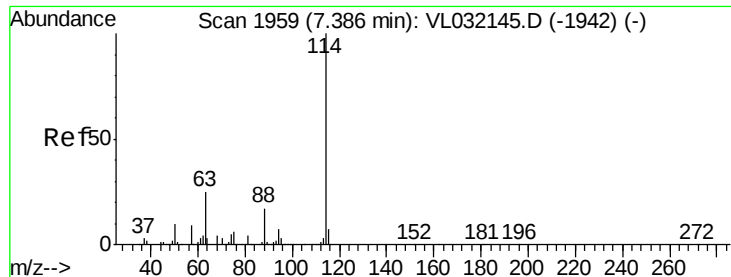
Tgt Ion: 57 Resp: 296624
Ion Ratio Lower Upper
57 100
41 87.1 68.6 103.0
43 69.5 168.6 252.8#
56 52.9 41.0 61.6



#29
Chloroform
Concen: 0.089 ppbv
RT: 5.93 min Scan# 1505
Delta R.T. -0.02 min
Lab File: VL032187.D
Acq: 2 Jul 2018 18:30

Tgt Ion: 83 Resp: 20795
Ion Ratio Lower Upper
83 100
85 67.6 51.6 77.4

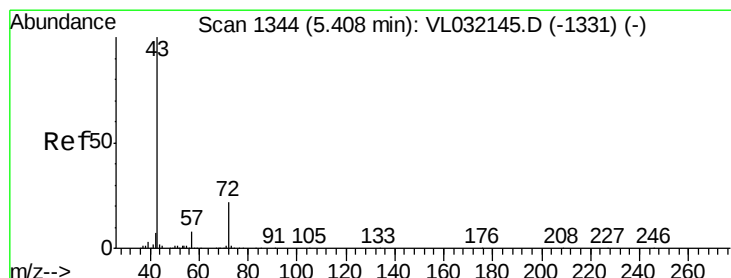
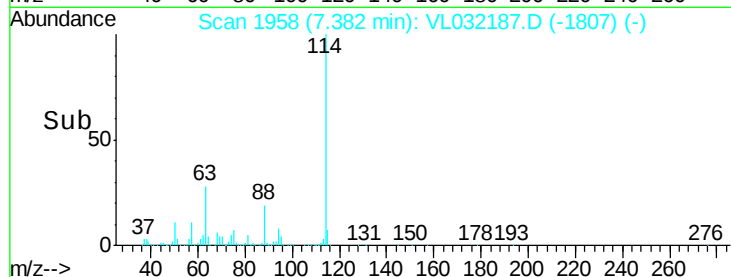
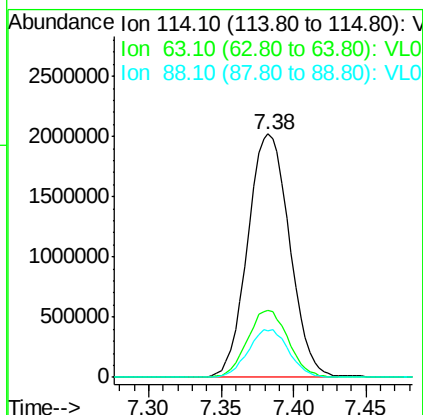
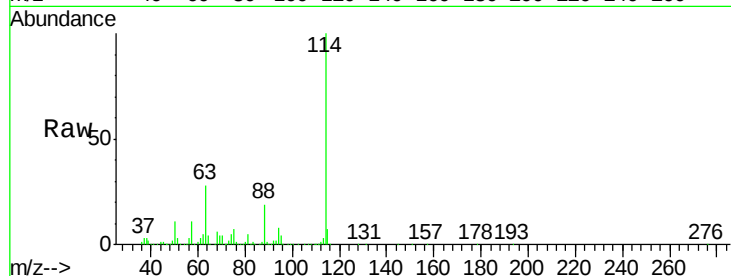




#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.02 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

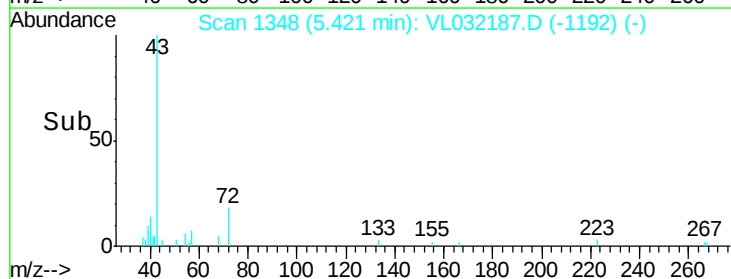
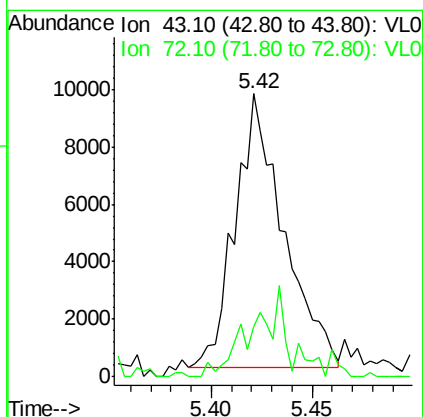
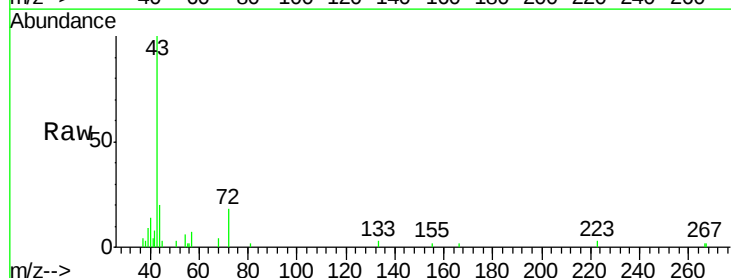
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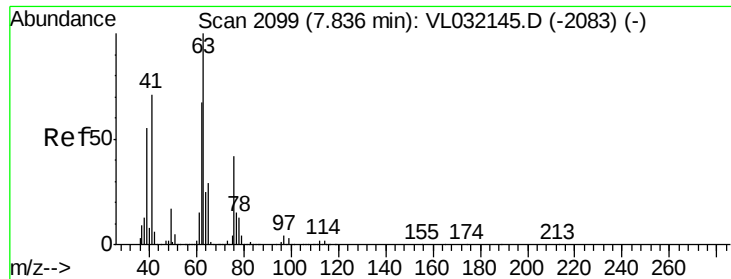
Tgt Ion:114 Resp: 4068081
 Ion Ratio Lower Upper
 114 100
 63 27.0 19.1 28.7
 88 19.2 13.9 20.9



#34
 2-Butanone
 Concen: 0.062 ppbv
 RT: 5.42 min Scan# 1348
 Delta R.T. 0.00 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Tgt Ion: 43 Resp: 15990
 Ion Ratio Lower Upper
 43 100
 72 23.8 18.4 27.6

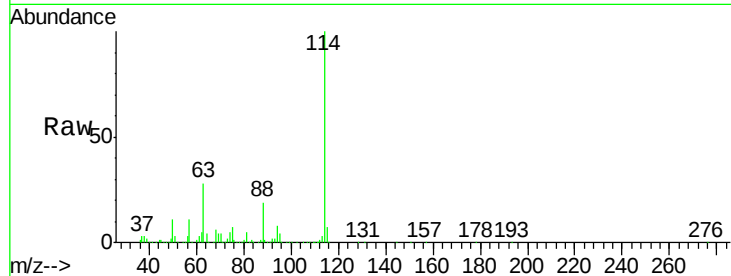




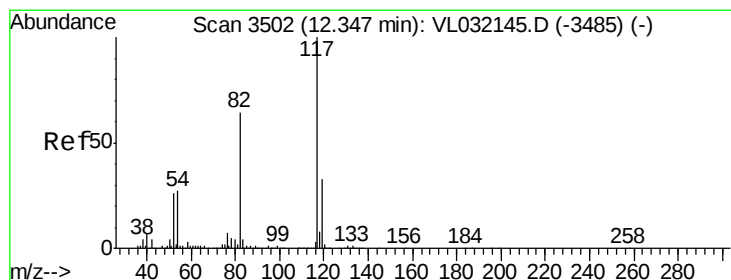
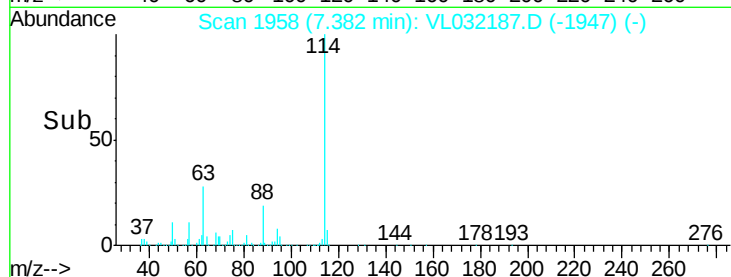
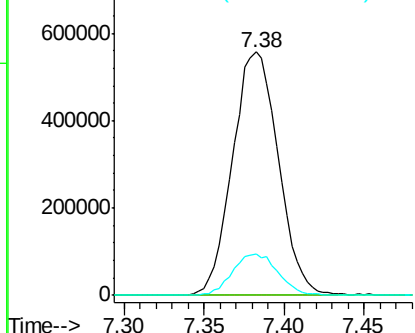
#39
 1,2-Dichloropropane
 Concen: 6.968 ppbv
 RT: 7.38 min Scan# 1958
 Delta R.T. -0.47 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL

Tgt Ion: 63 Resp: 1082002
 Ion Ratio Lower Upper
 63 100
 41 0.0 53.3 79.9#
 62 17.0 54.8 82.2#

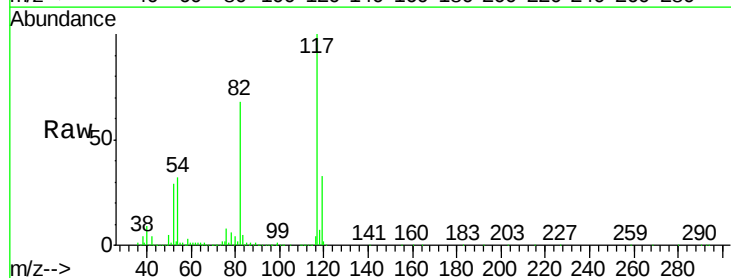


Abundance Ion 63.10 (62.80 to 63.80): VL0
 Ion 41.10 (40.80 to 41.80): VL0
 Ion 62.10 (61.80 to 62.80): VL0

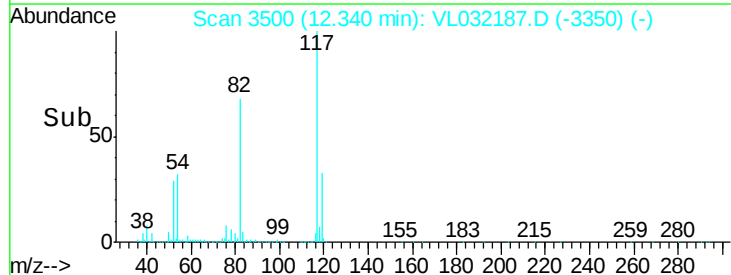
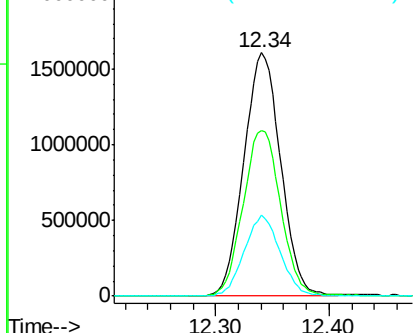


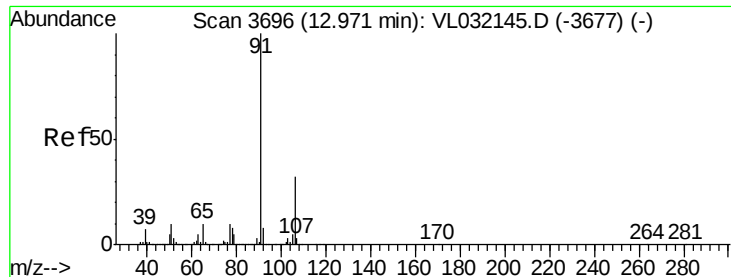
#55
 Chlorobenzene-d5
 Concen: 10.000 ppbv
 RT: 12.34 min Scan# 3500
 Delta R.T. -0.02 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

Tgt Ion: 117 Resp: 3650338
 Ion Ratio Lower Upper
 117 100
 82 69.8 47.8 71.8
 119 32.7 43.3 64.9#



Abundance Ion 117.10 (116.80 to 117.80): V
 Ion 82.10 (81.80 to 82.80): VL0
 Ion 119.10 (118.80 to 119.80): V





#58

Ethyl Benzene

Concen: 0.089 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 :

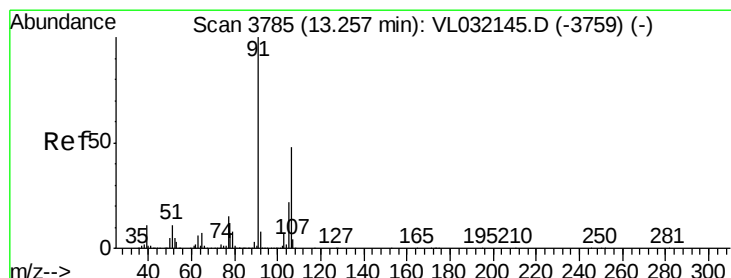
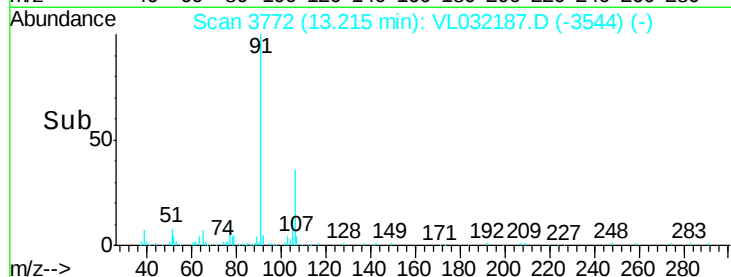
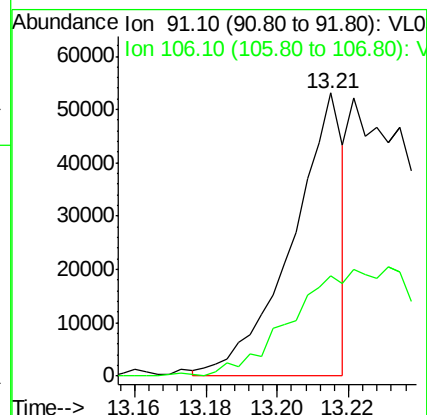
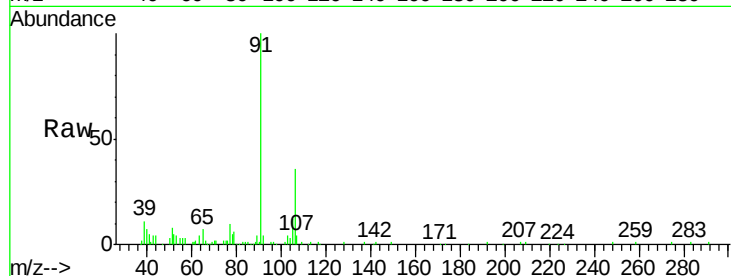
B-1-EFFLUENTDL

Tgt Ion: 91 Resp: 52495

Ion Ratio Lower Upper

91 100

106 35.6 26.5 39.7



#59

m/p-Xylene

Concen: 0.161 ppbv

RT: 13.23 min Scan# 3778

Delta R.T. -0.04 min

Lab File: VL032187.D

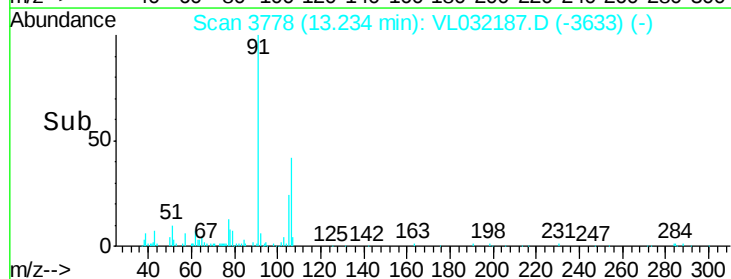
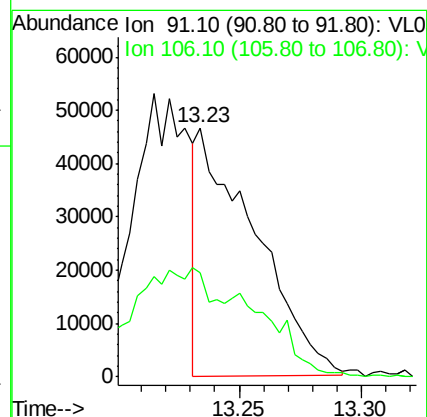
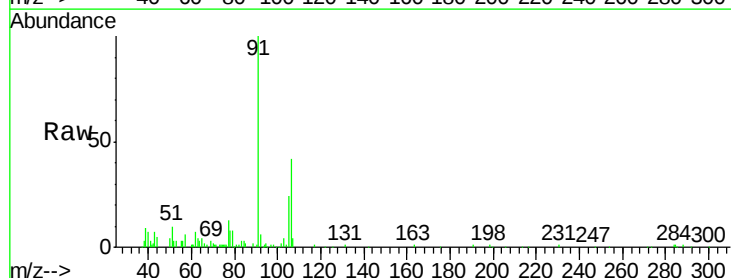
Acq: 2 Jul 2018 18:30

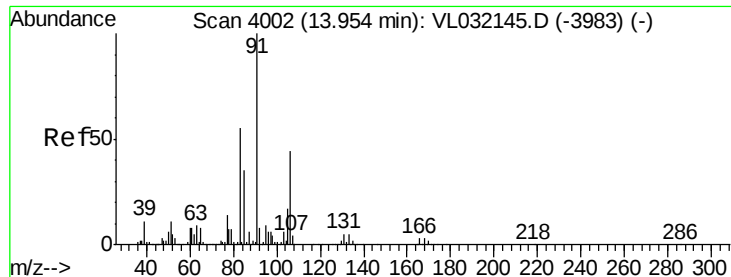
Tgt Ion: 91 Resp: 75878

Ion Ratio Lower Upper

91 100

106 92.8 38.6 58.0#





#60

o-Xylene

Concen: 0.288 ppbv

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 :

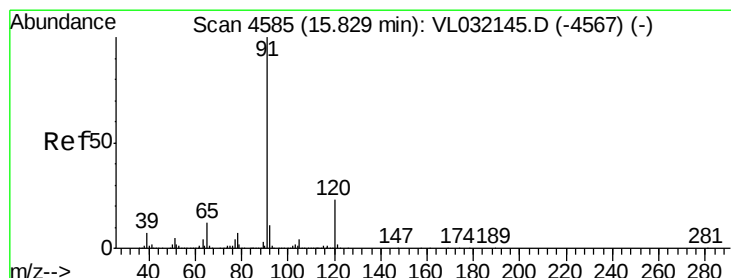
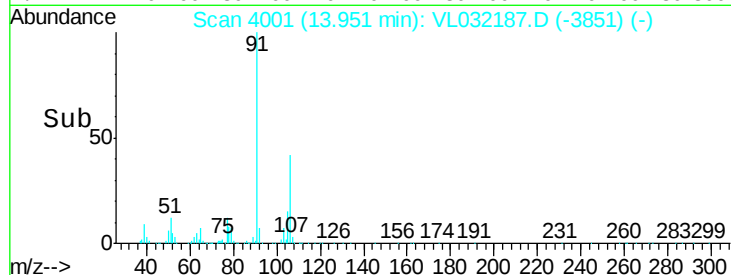
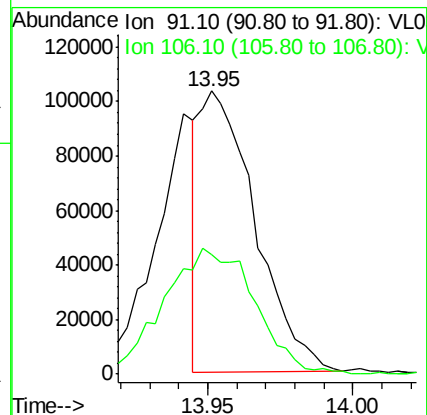
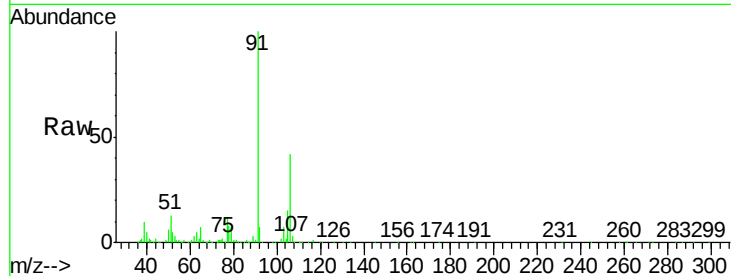
B-1-EFFLUENTDL

Tgt Ion: 91 Resp: 135649

Ion Ratio Lower Upper

91 100

106 75.0 23.3 69.8#



#64

n-propylbenzene

Concen: 0.414 ppbv

RT: 16.03 min Scan# 4646

Delta R.T. 0.18 min

Lab File: VL032187.D

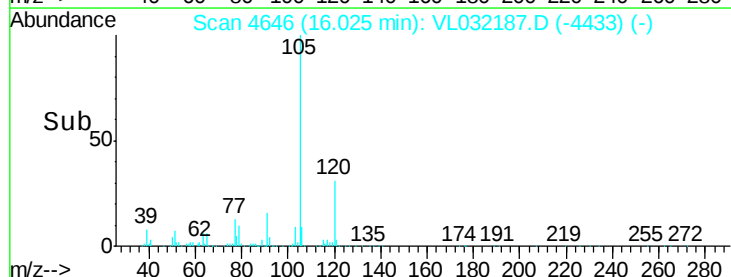
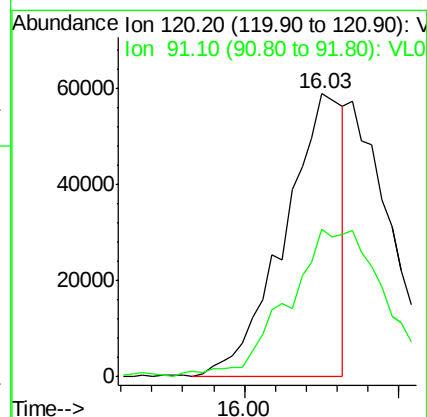
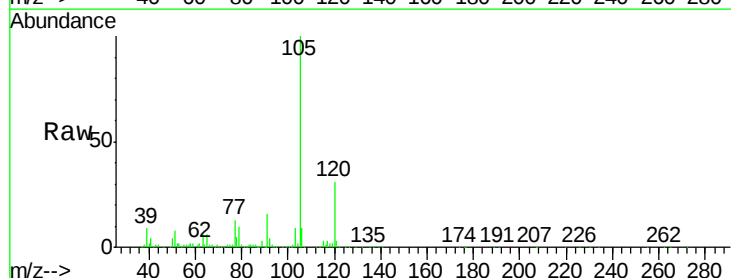
Acq: 2 Jul 2018 18:30

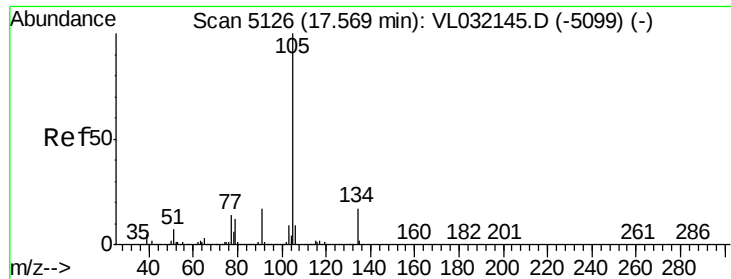
Tgt Ion: 120 Resp: 77397

Ion Ratio Lower Upper

120 100

91 85.7 357.4 536.0#

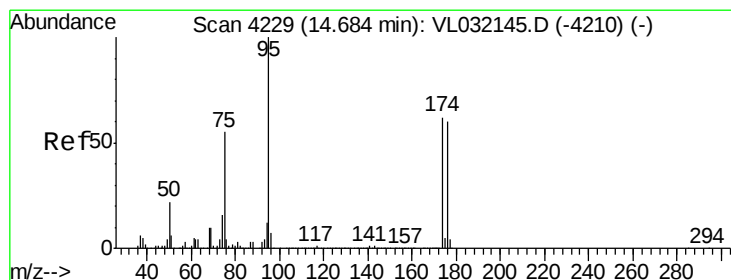
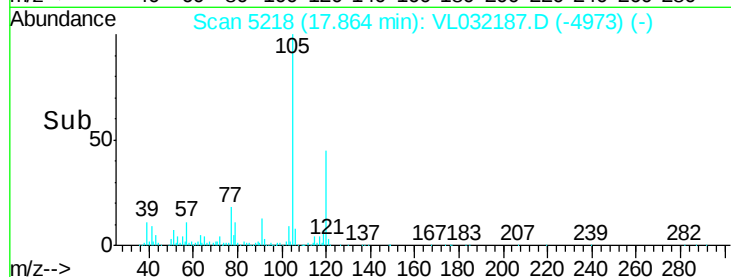
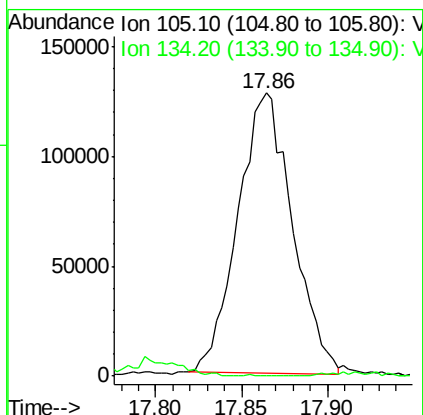
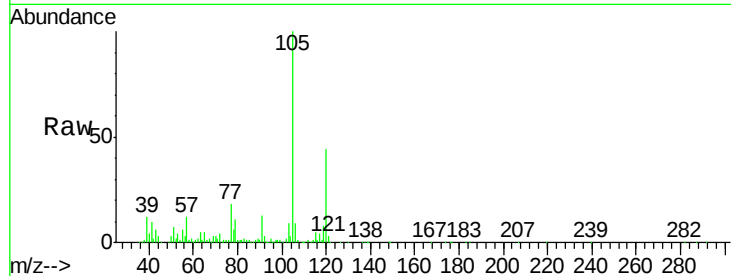




#67
 sec-Butylbenzene
 Concen: 0.301 ppbv
 RT: 17.86 min Scan# 5218
 Delta R.T. 0.29 min
 Lab File: VL032187.D
 Acq: 2 Jul 2018 18:30

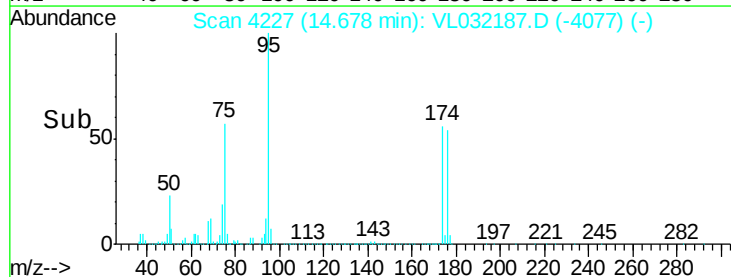
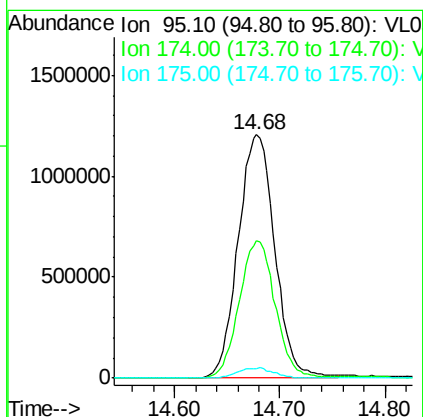
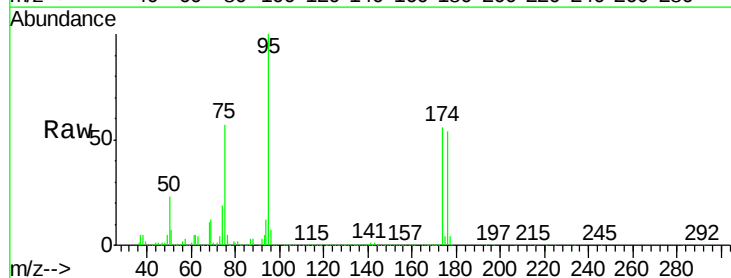
Instrument :
 MSVOA_L
 ClientSampleId :
 B-1-EFFLUENTDL

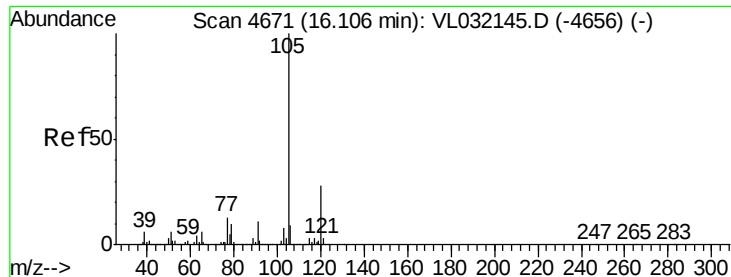
Tgt Ion: 105 Resp: 280412
 Ion Ratio Lower Upper
 105 100
 134 1.3 14.7 22.1#



#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.453 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: 0.330 ppbv

RT: 16.10 min Scan# 4668

Delta R.T. -0.02 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

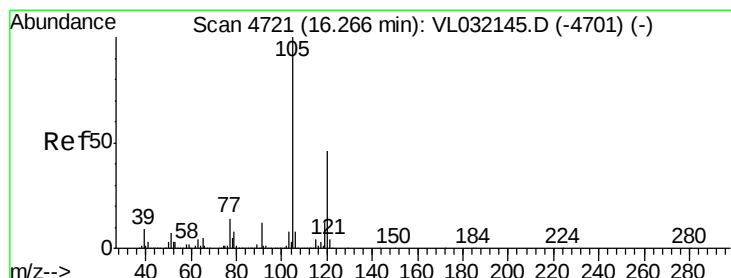
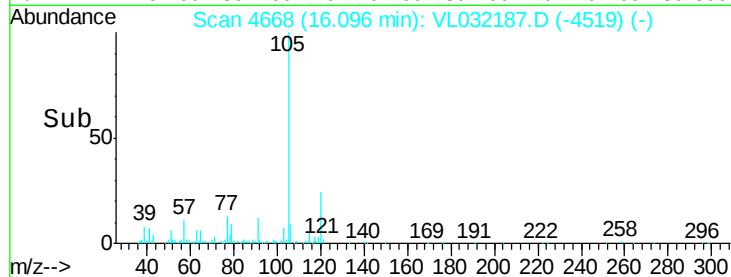
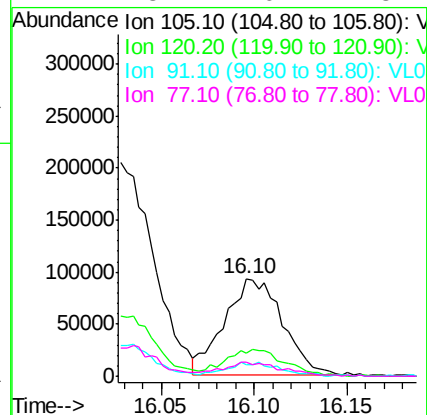
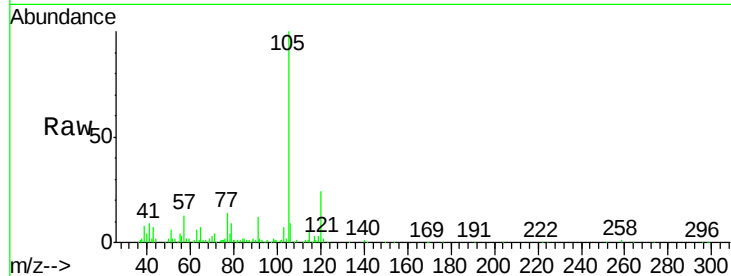
Instrument :

MSVOA_L

ClientSampleId :

B-1-EFFLUENTDL

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



#73

1,3,5-Trimethylbenzene

Concen: 0.895 ppbv

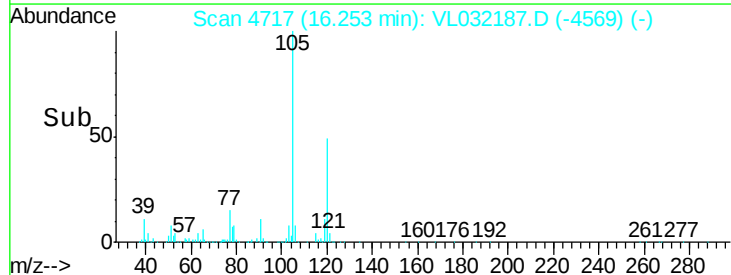
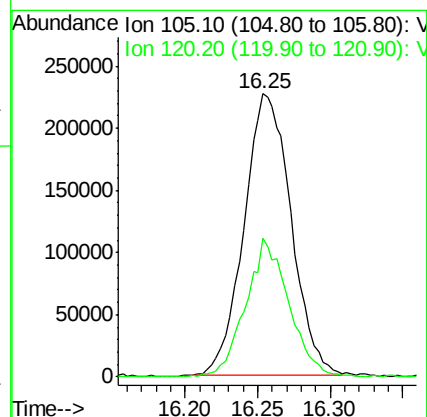
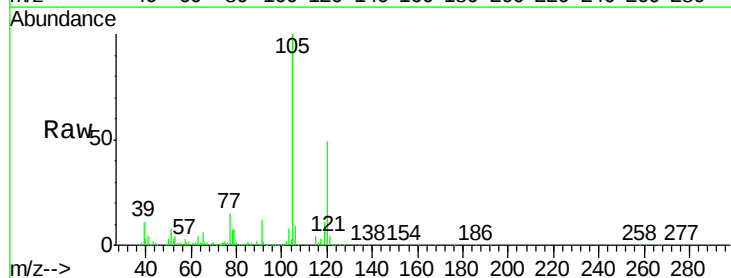
RT: 16.25 min Scan# 4717

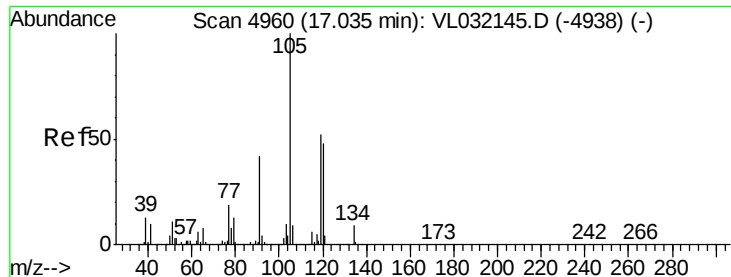
Delta R.T. -0.03 min

Lab File: VL032187.D

Acq: 2 Jul 2018 18:30

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





#74
 1,2,4-Trimethylbenzene
 Concen: 0.711 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

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

