

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032576.D
 Acq On : 28 Sep 2018 9:54
 Operator : SY/AP
 Sample : J5094-08 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FSS-1

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:58:00 AM

Quant Time: Sep 29 22:43:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep 2
 QLast Update : Tue Sep 25 05:17:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1343020	10.00	ppbv	-0.01
33) 1,4-Difluorobenzene	7.33	114	3052949	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	3152784	10.00	ppbv	-0.03

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.61	95	2316332	9.74	ppbv	-0.02
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.09	85	38176	0.307	ppbv	95
3) Chlorodifluoromethane	3.03	51	16656432	149.137	ppbv #	73
5) Vinyl Chloride	3.31	62	7244	0.110	ppbv	96
7) Chloroethane	3.62	64	6877	0.293	ppbv	94
9) Propene	3.07	41	1213369	25.040	ppbv #	60
13) Ethanol	3.67	45	375655	25.791	ppbv	96
15) Acetone	3.92	43	16607898	140.880	ppbv #	80
19) Isopropyl Alcohol	4.05	45	2101526	25.593	ppbv #	93
26) Hexane	5.81	57	17860m	0.138	ppbv	
34) 2-Butanone	5.36	43	240490	1.323	ppbv	98
36) Benzene	7.04	78	1029742	4.174	ppbv	97
37) 1,2-Dichloroethane	6.44	62	15498	0.104	ppbv #	95
44) 2,2,4-Trimethylpentane	8.02	57	6577907	13.642	ppbv	99
52) Tetrachloroethene	11.41	164	23694m	0.276	ppbv	
53) Toluene	9.98	91	267113	0.888	ppbv	100

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

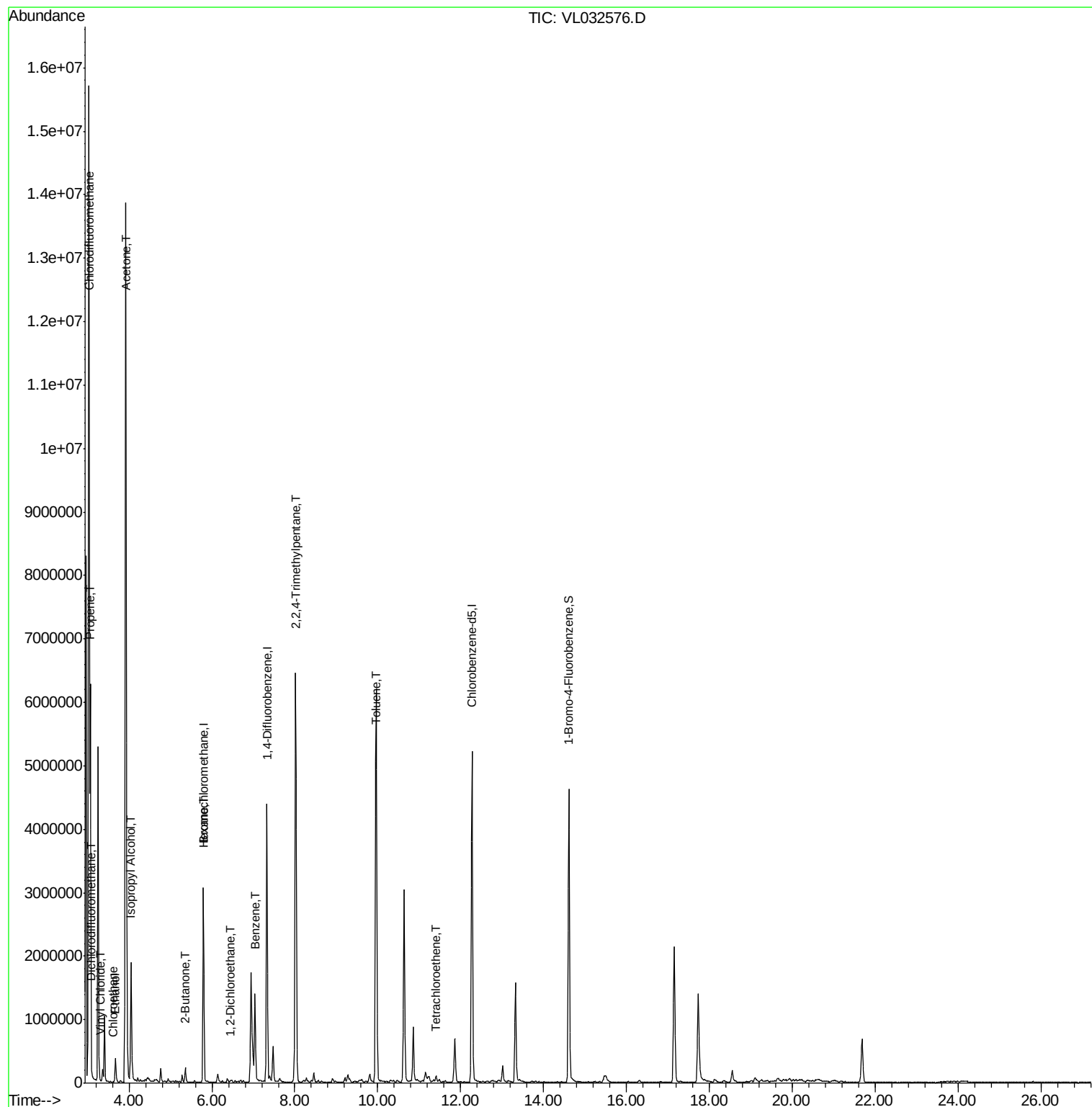
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
Data File : VL032576.D
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Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

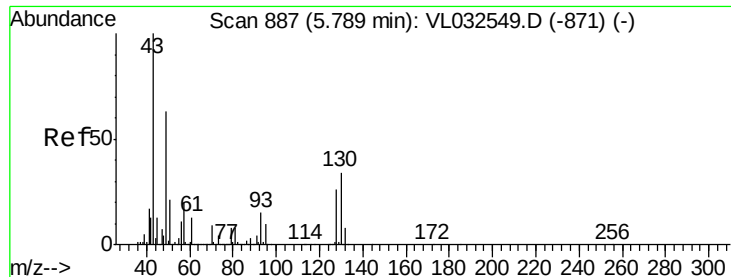
Instrument :
MSVOA_L
ClientSampleId :
FSS-1

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10/1/2018 11:58:00 AM

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.80 min Scan# 889

Delta R.T. -0.01 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

ClientSampled :

FSS-1

Tgt Ion: 49 Resp: 1343020

Ion Ratio Lower Upper

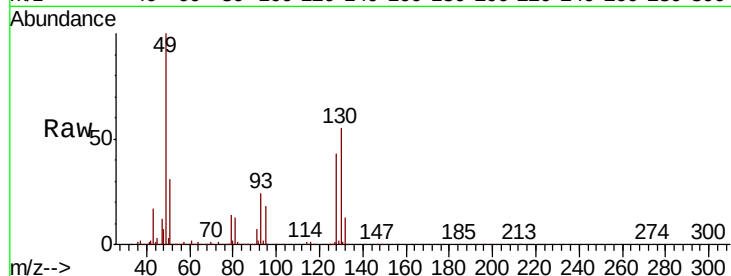
49 100

128 43.5 20.7 62.1

130 55.5 26.6 79.7

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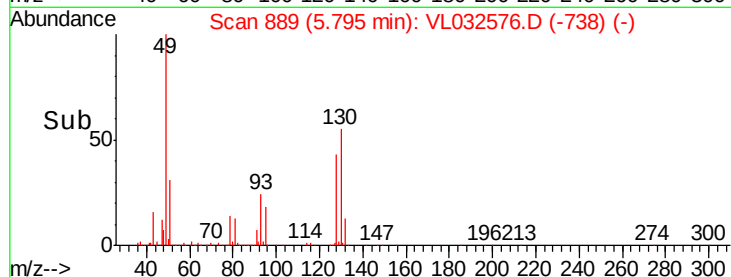


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): V

Ion 130.00 (129.70 to 130.70): V

Time--> 5.70 5.75 5.80 5.85



#2

Dichlorodifluoromethane

Concen: 0.307 ppbv

RT: 3.09 min Scan# 49

Delta R.T. -0.01 min

Lab File: VL032576.D

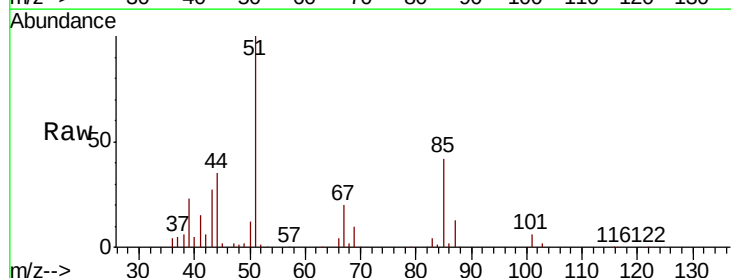
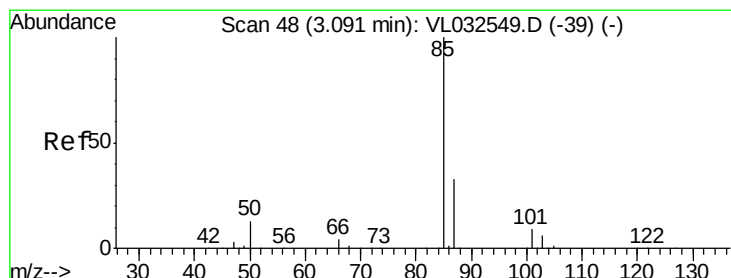
Acq: 28 Sep 2018 9:54

Tgt Ion: 85 Resp: 38176

Ion Ratio Lower Upper

85 100

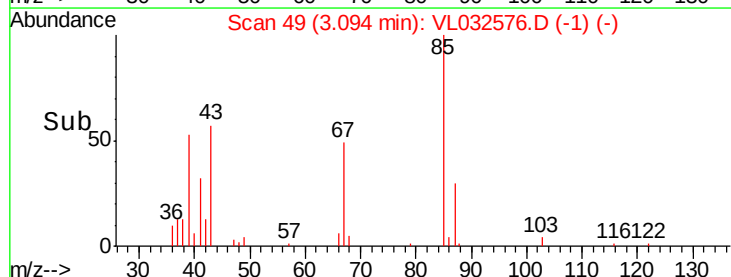
87 30.1 26.2 39.4

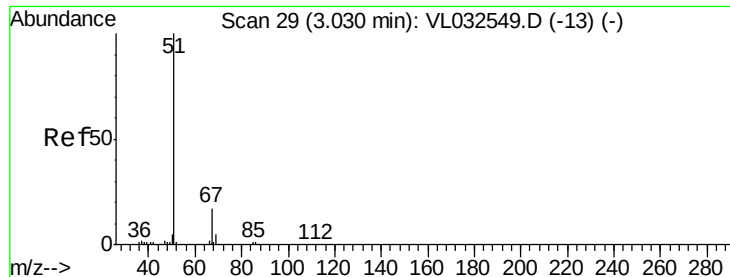


Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

Time--> 3.05 3.10 3.15





#3

Chlorodifluoromethane

Concen: 149.137 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

ClientSampleId :

FSS-1

Tgt Ion: 51 Resp:16656432

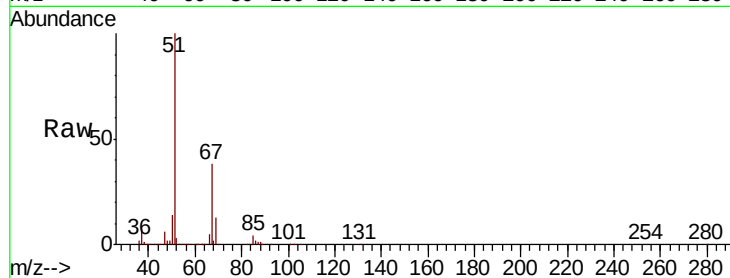
Ion Ratio Lower Upper

51 100

67 29.1 13.8 20.8#

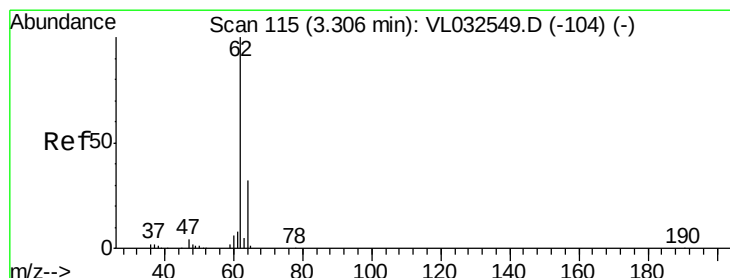
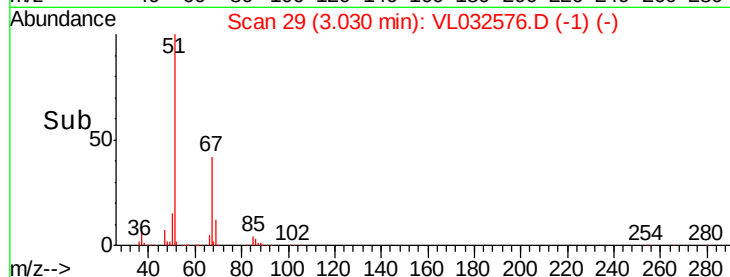
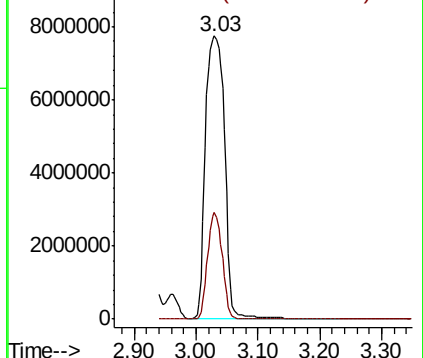
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Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0



#5

Vinyl Chloride

Concen: 0.110 ppbv

RT: 3.31 min Scan# 116

Delta R.T. -0.01 min

Lab File: VL032576.D

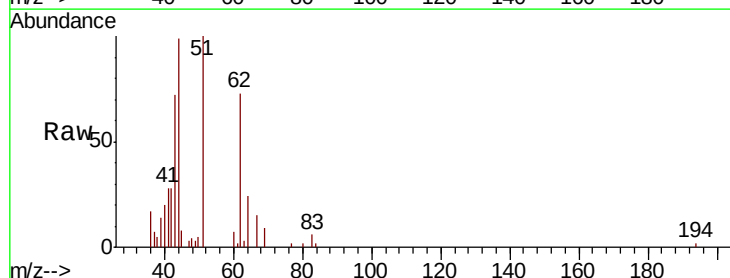
Acq: 28 Sep 2018 9:54

Tgt Ion: 62 Resp: 7244

Ion Ratio Lower Upper

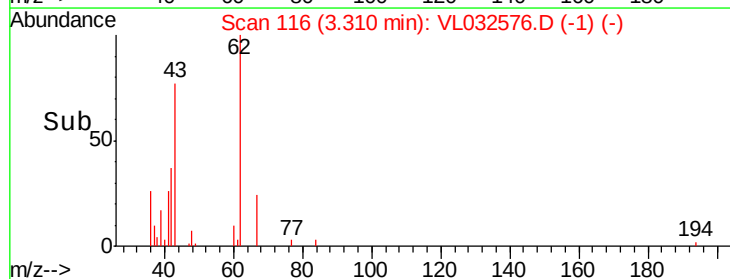
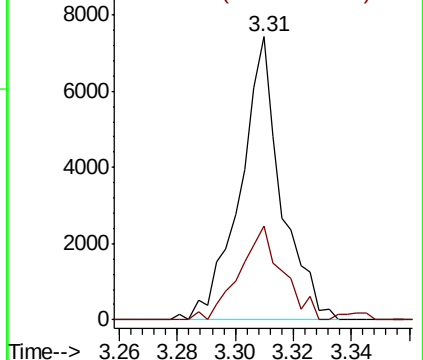
62 100

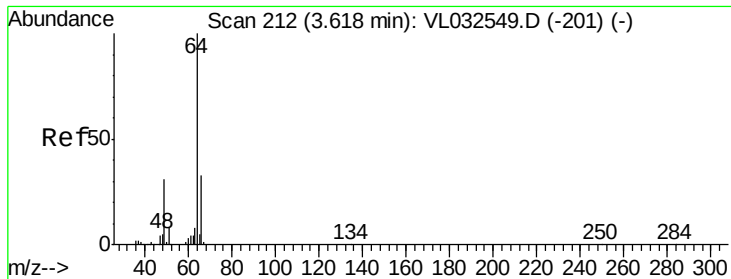
64 33.2 25.0 37.6



Abundance Ion 62.10 (61.80 to 62.80): VL0

Ion 64.10 (63.80 to 64.80): VL0





#7

Chloroethane

Concen: 0.293 ppbv

RT: 3.62 min Scan# 213

Delta R.T. -0.01 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

ClientSampleId :

FSS-1

Tgt Ion: 64 Resp: 6877

Ion Ratio Lower Upper

64 100

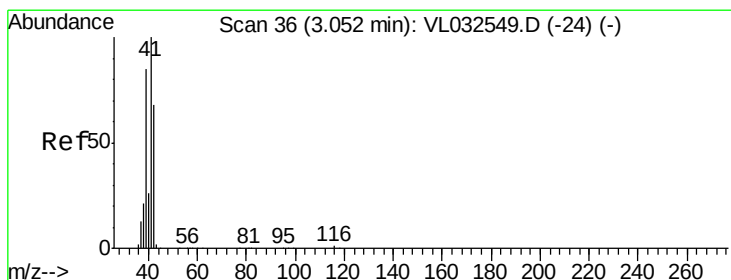
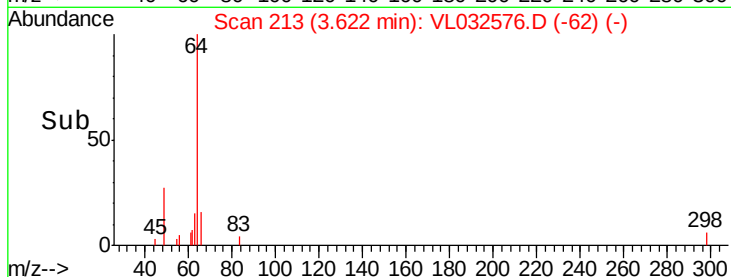
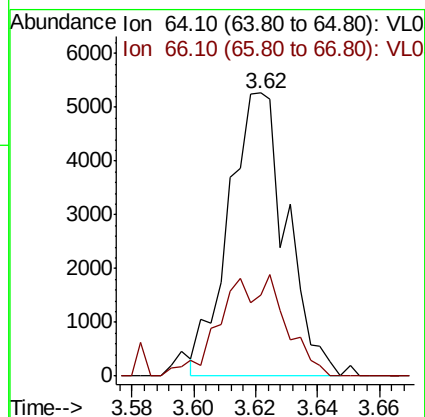
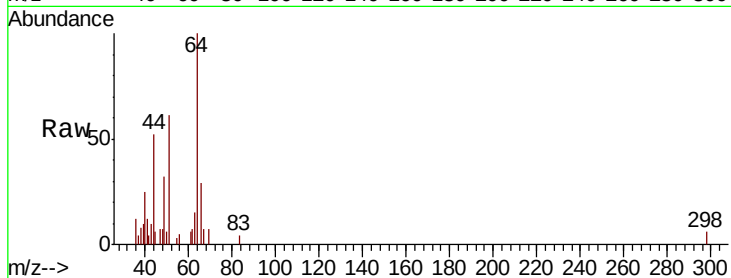
66 28.6 25.8 38.6

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#9

Propene

Concen: 25.040 ppbv

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032576.D

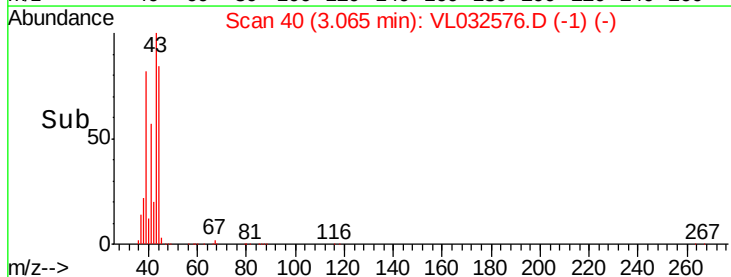
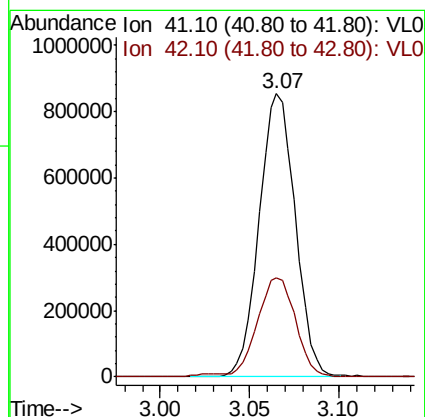
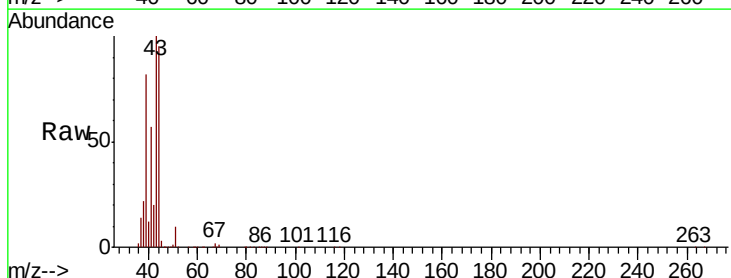
Acq: 28 Sep 2018 9:54

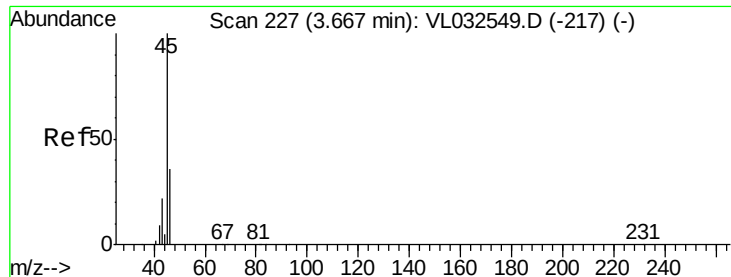
Tgt Ion: 41 Resp: 1213369

Ion Ratio Lower Upper

41 100

42 37.8 56.6 84.8#





#13

Ethanol

Concen: 25.791 ppbv

RT: 3.67 min Scan# 228

Delta R.T. -0.01 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

ClientSampleId :

FSS-1

Tgt Ion: 45 Resp: 375655

Ion Ratio Lower Upper

45 100

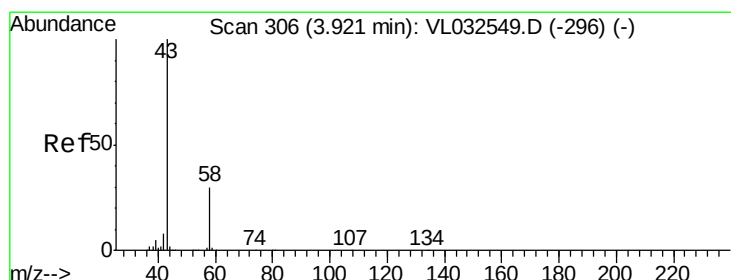
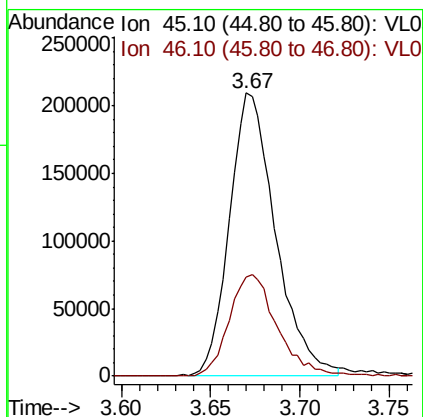
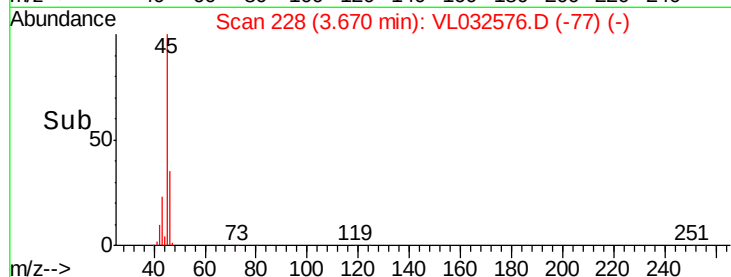
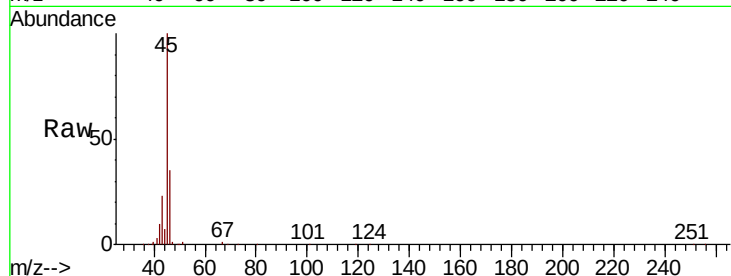
46 37.9 14.2 56.8

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#15

Acetone

Concen: 140.880 ppbv

RT: 3.92 min Scan# 306

Delta R.T. -0.02 min

Lab File: VL032576.D

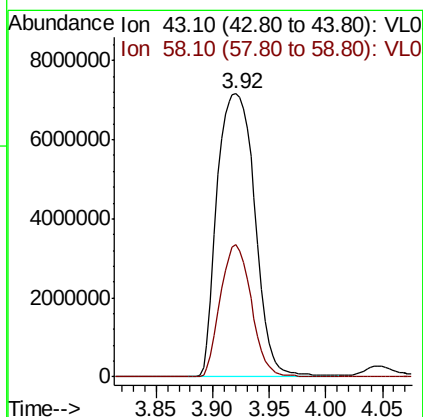
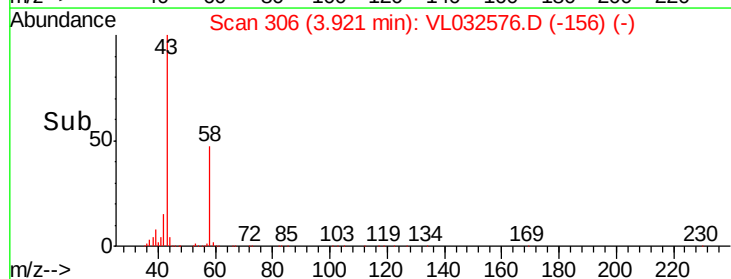
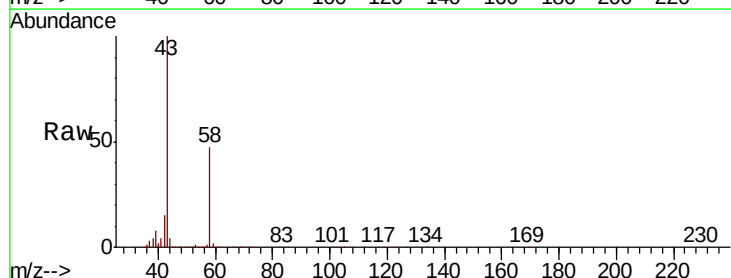
Acq: 28 Sep 2018 9:54

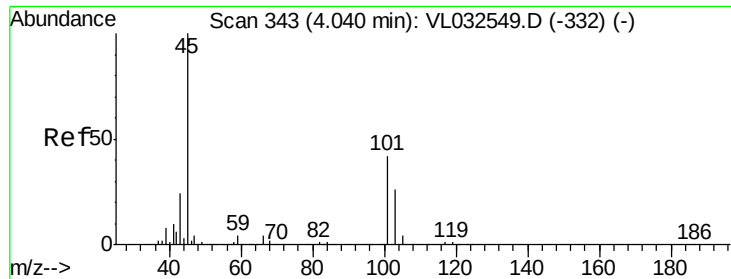
Tgt Ion: 43 Resp:16607898

Ion Ratio Lower Upper

43 100

58 38.5 22.6 33.8#





#19

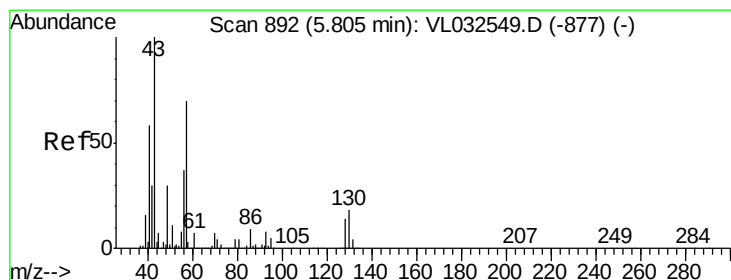
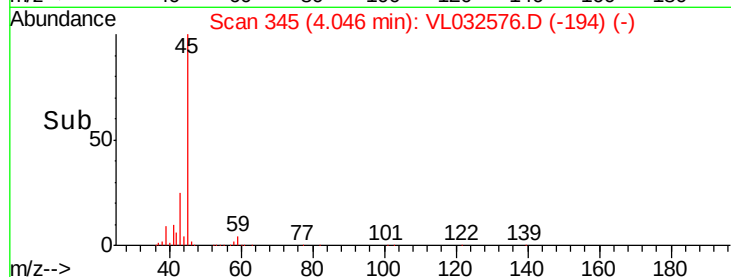
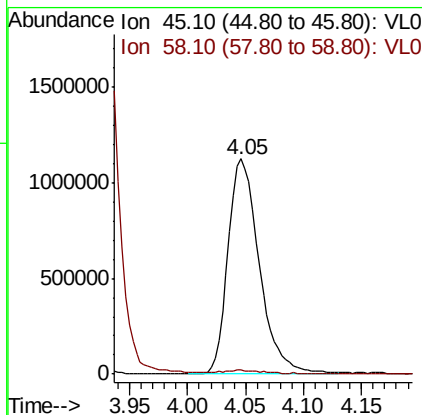
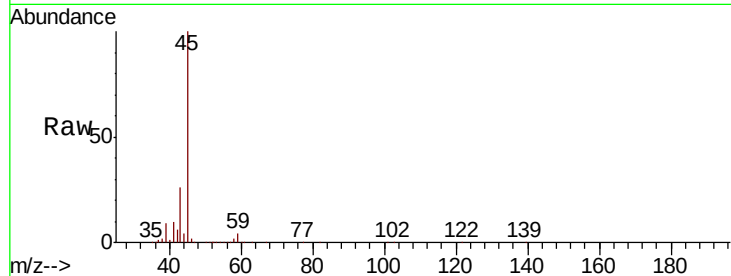
Isopropyl Alcohol
 Concen: 25.593 ppbv
 RT: 4.05 min Scan# 345
 Delta R.T. -0.01 min
 Lab File: VL032576.D
 Acq: 28 Sep 2018 9:54

Instrument :
 MSVOA_L
 ClientSampleId :
 FSS-1

Tgt Ion: 45 Resp: 2101526
 Ion Ratio Lower Upper
 45 100
 58 0.0 2.0 3.0#

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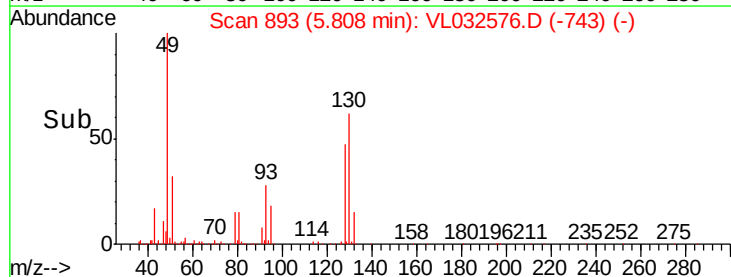
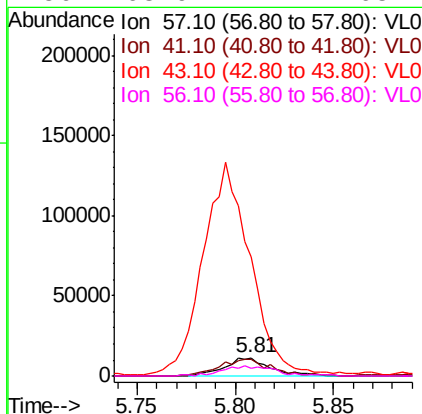
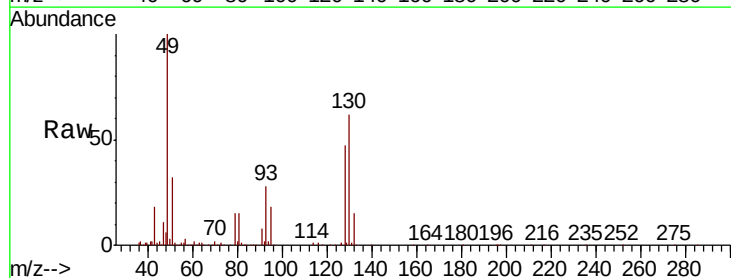
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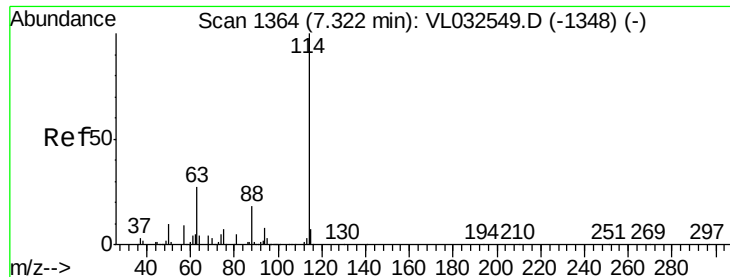


#26

Hexane
 Concen: 0.138 ppbv m
 RT: 5.81 min Scan# 893
 Delta R.T. -0.02 min
 Lab File: VL032576.D
 Acq: 28 Sep 2018 9:54

Tgt Ion: 57 Resp: 17860
 Ion Ratio Lower Upper
 57 100
 41 109.5 69.0 103.4#
 43 1235.9 172.1 258.1#
 56 68.9 42.2 63.2#





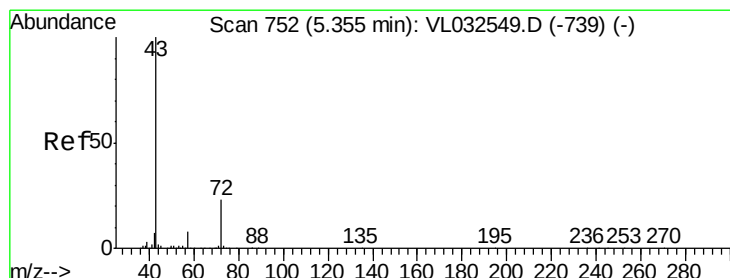
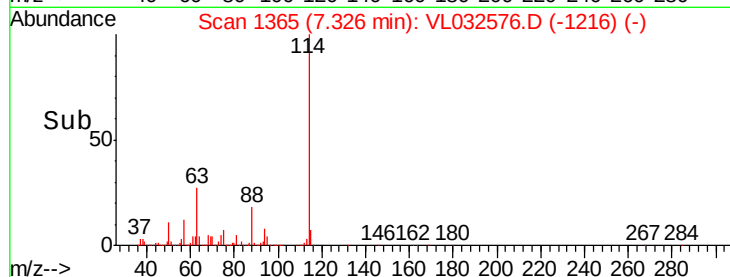
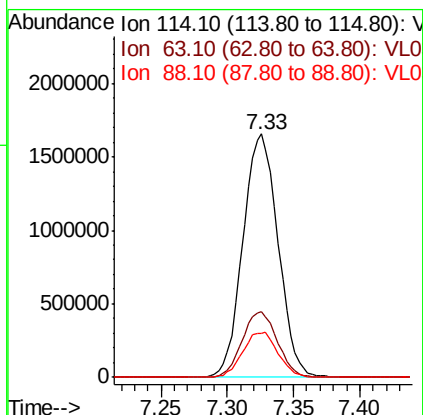
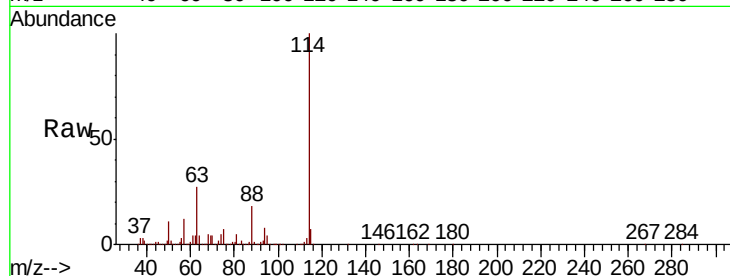
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.33 min Scan# 1365
 Delta R.T. -0.02 min
 Lab File: VL032576.D
 Acq: 28 Sep 2018 9:54

Instrument :
 MSVOA_L
 ClientSampleId :
 FSS-1

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	18.6	15.0	22.4

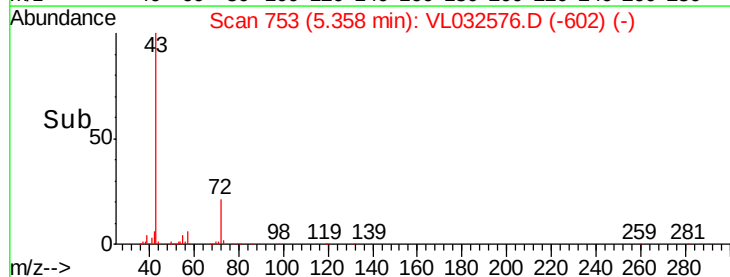
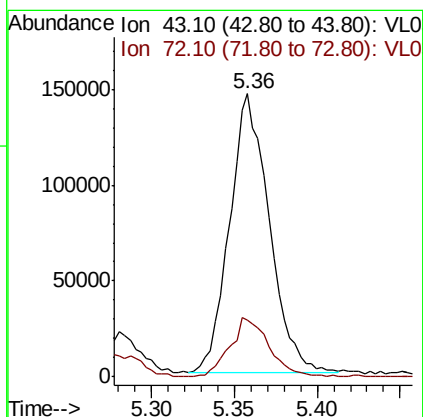
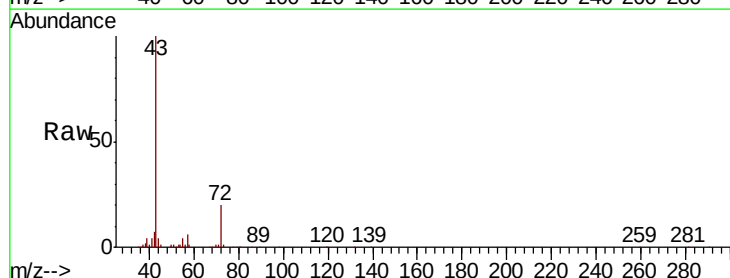
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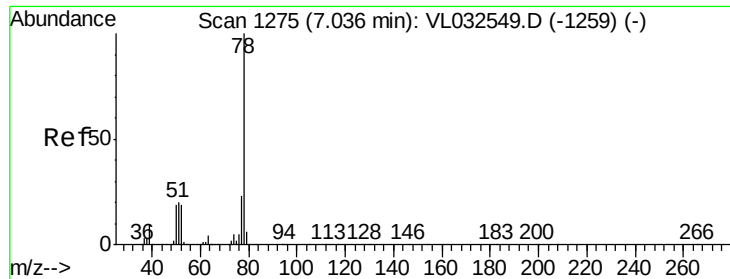
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#34
 2-Butanone
 Concen: 1.323 ppbv
 RT: 5.36 min Scan# 753
 Delta R.T. -0.01 min
 Lab File: VL032576.D
 Acq: 28 Sep 2018 9:54

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.4	17.8	26.6





#36

Benzene

Concen: 4.174 ppbv

RT: 7.04 min Scan# 1276

Delta R.T. -0.02 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

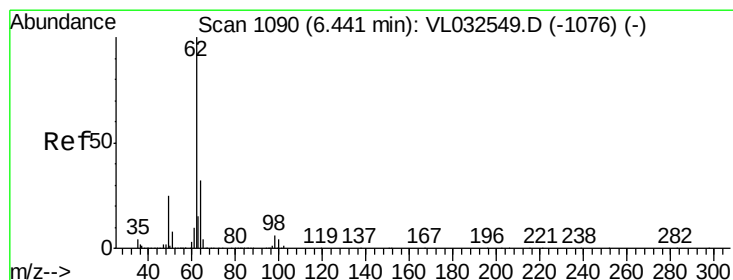
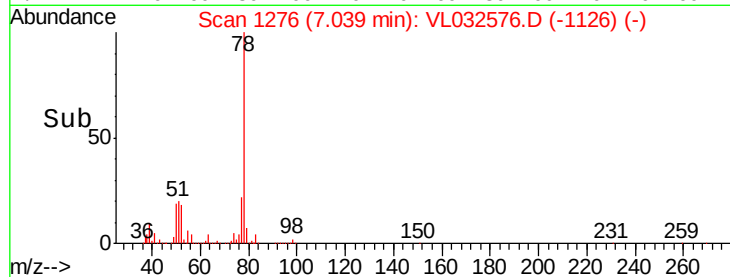
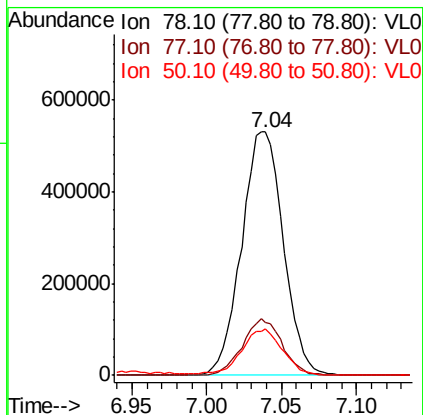
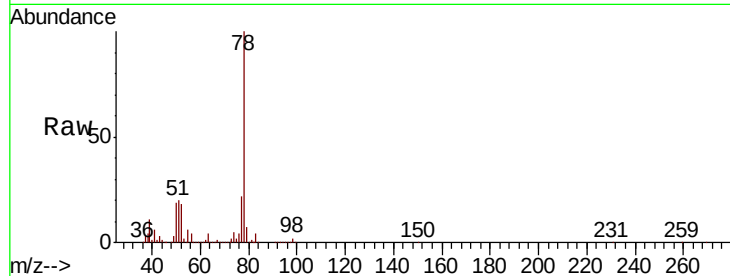
ClientSampleId :

FSS-1

Tgt Ion:	78	Resp:	1029742
Ion	Ratio	Lower	Upper
78	100		
77	21.6	18.4	27.6
50	19.2	14.4	21.6

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#37

1,2-Dichloroethane

Concen: 0.104 ppbv

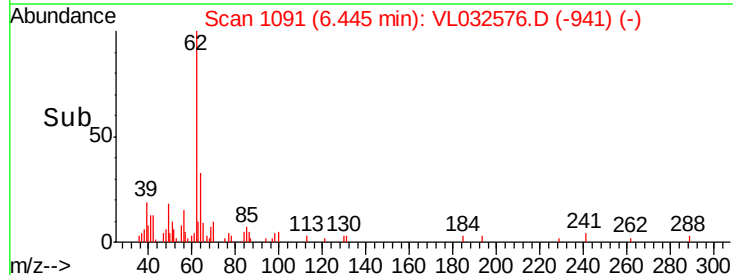
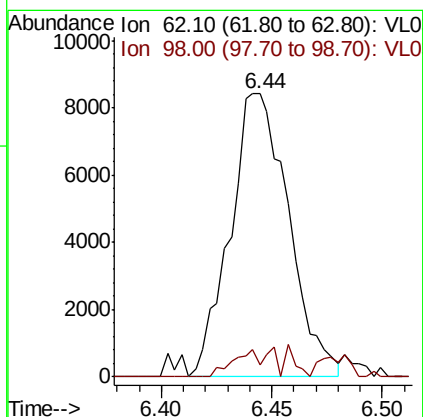
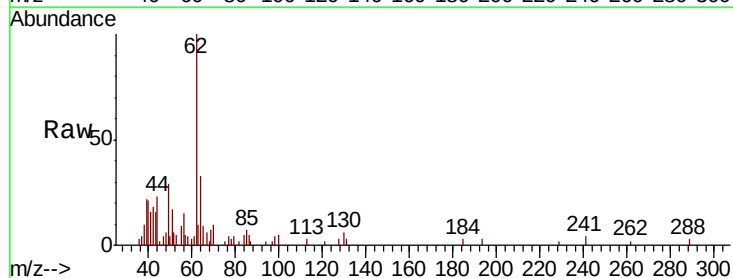
RT: 6.44 min Scan# 1091

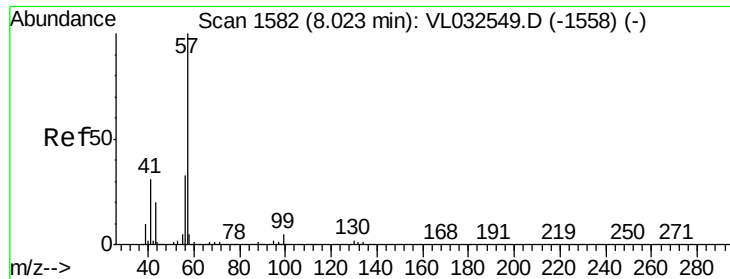
Delta R.T. -0.02 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Tgt Ion:	62	Resp:	15498
Ion	Ratio	Lower	Upper
62	100		
98	8.0	5.0	7.6#





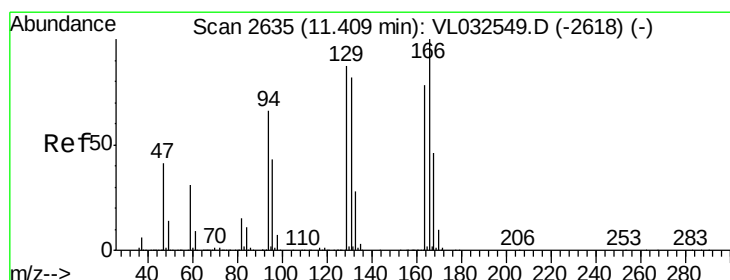
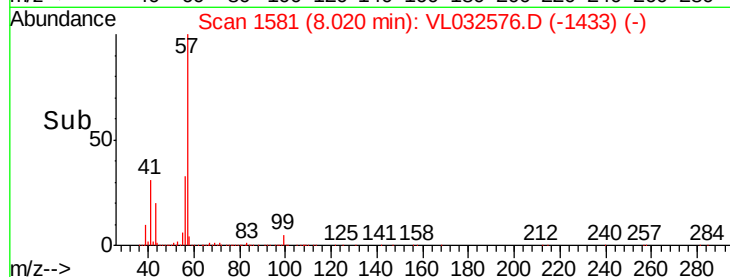
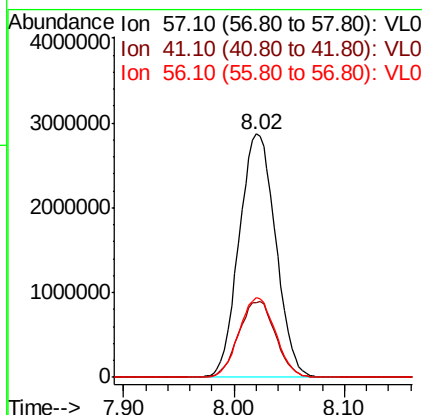
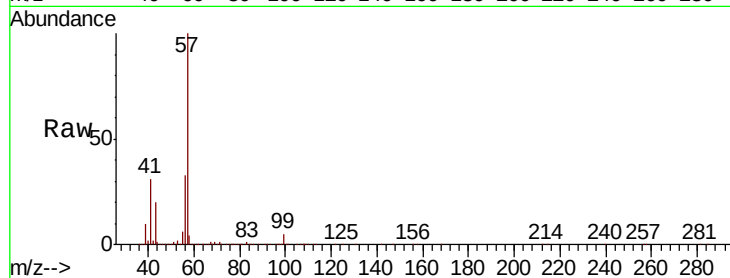
#44
 2,2,4-Trimethylpentane
 Concen: 13.642 ppbv
 RT: 8.02 min Scan# 1581
 Delta R.T. -0.02 min
 Lab File: VL032576.D
 Acq: 28 Sep 2018 9:54

Instrument :
 MSVOA_L
 ClientSampleId :
 FSS-1

Tgt Ion: 57 Resp: 6577907
 Ion Ratio Lower Upper
 57 100
 41 31.7 24.4 36.6
 56 32.6 25.7 38.5

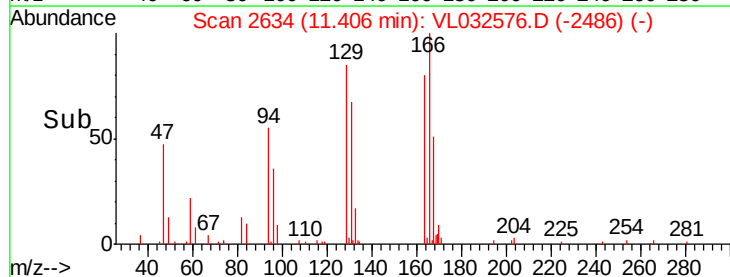
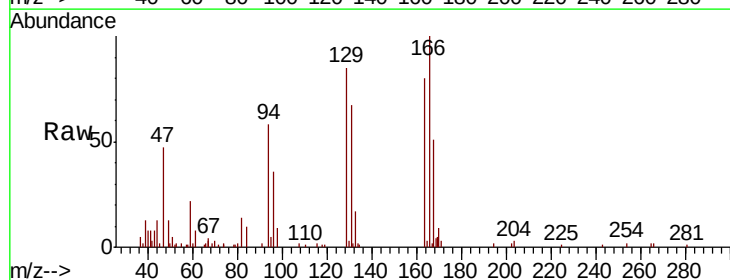
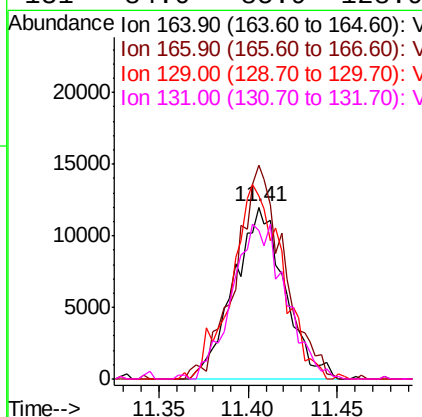
Manual Integrations
 APPROVED

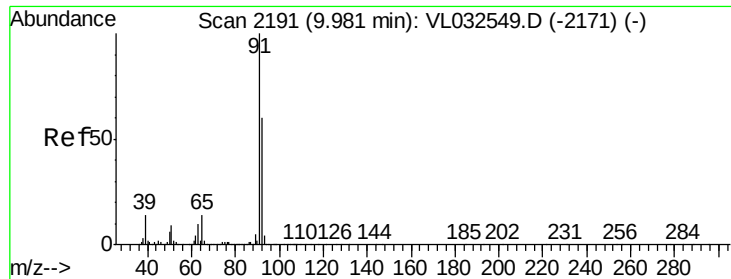
MMDadoda
 10/1/2018 11:58:00 AM



#52
 Tetrachloroethene
 Concen: 0.276 ppbv m
 RT: 11.41 min Scan# 2634
 Delta R.T. -0.02 min
 Lab File: VL032576.D
 Acq: 28 Sep 2018 9:54

Tgt Ion: 164 Resp: 23694
 Ion Ratio Lower Upper
 164 100
 166 124.5 100.6 150.8
 129 106.4 89.9 134.9
 131 84.0 85.9 128.9#





#53

Toluene

Concen: 0.888 ppbv

RT: 9.98 min Scan# 2190

Delta R.T. -0.03 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

ClientSampleId :

FSS-1

Tgt Ion: 91 Resp: 267113

Ion Ratio Lower Upper

91 100

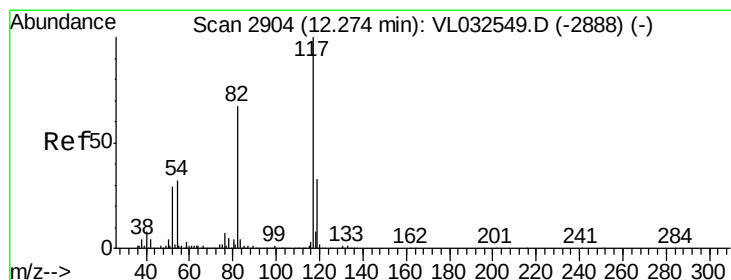
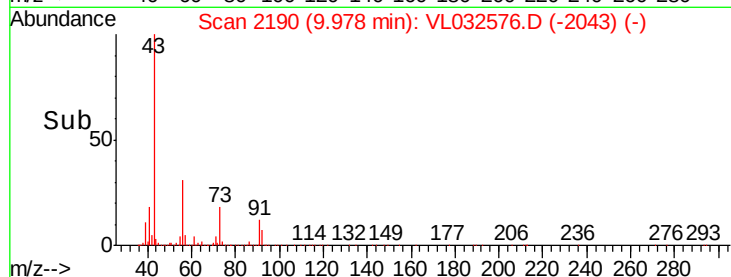
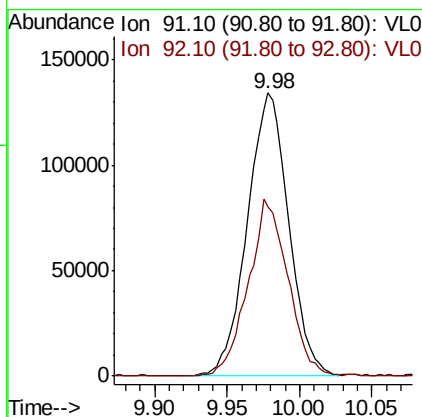
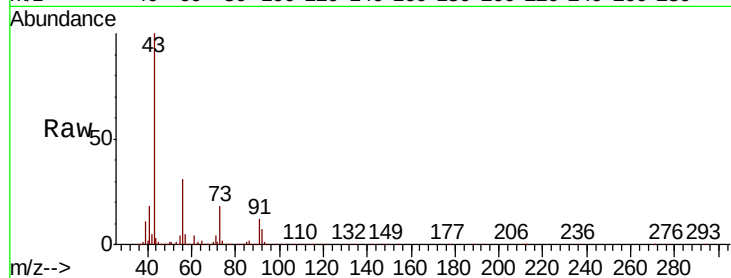
92 60.3 48.1 72.1

Manual Integrations

APPROVED

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10/1/2018 11:58:00 AM



#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 12.27 min Scan# 2903

Delta R.T. -0.03 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

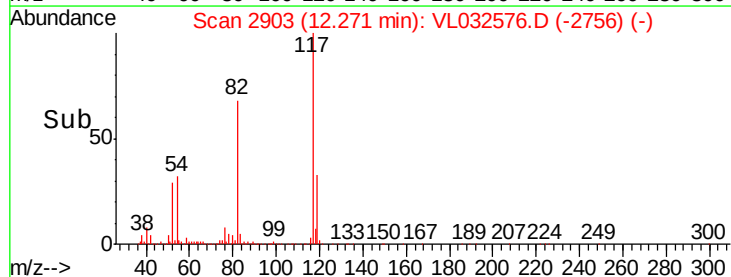
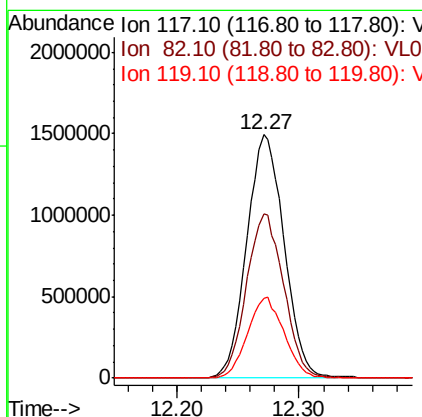
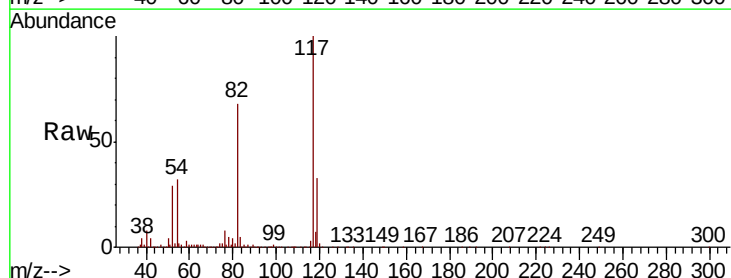
Tgt Ion: 117 Resp: 3152784

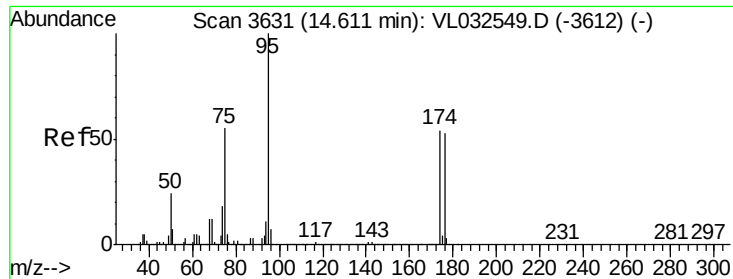
Ion Ratio Lower Upper

117 100

82 67.7 53.0 79.6

119 32.6 45.9 68.9#





#68

1-Bromo-4-Fluorobenzene

Concen: 9.742 ppbv

RT: 14.61 min Scan# 3631

Delta R.T. -0.02 min

Lab File: VL032576.D

Acq: 28 Sep 2018 9:54

Instrument :

MSVOA_L

ClientSampleId :

FSS-1

Tgt Ion: 95 Resp: 2316332

Ion Ratio Lower Upper

95 100

174 58.0 46.3 69.5

175 4.1 3.4 5.0

Manual Integrations

APPROVED

MMDadoda

10/1/2018 11:58:00 AM

