

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032579.D
 Acq On : 28 Sep 2018 11:53
 Operator : SY/AP
 Sample : J5094-11 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-1

Manual Integrations
 APPROVED

MMDadoda
 10/1/2018 11:58:05 AM

Quant Time: Sep 29 22:48:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 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	5.79	49	1301711	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2897959	10.00	ppbv	-0.03
55) Chlorobenzene-d5	12.27	117	2840043	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2204827	10.29	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.90%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chlorodifluoromethane	3.03	51	4383466	40.494	ppbv	97
13) Ethanol	3.69	45	13340159	944.930	ppbv	95
15) Acetone	3.92	43	2284568	19.994	ppbv	100
19) Isopropyl Alcohol	4.08	45	631817m	7.939	ppbv	
26) Hexane	5.80	57	36494	0.291	ppbv #	41
34) 2-Butanone	5.35	43	89343	0.518	ppbv	97
36) Benzene	7.03	78	66191	0.283	ppbv #	92
50) 4-Methyl-2-Pentanone	8.92	43	31367m	0.116	ppbv	
53) Toluene	9.98	91	36246	0.127	ppbv	94

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

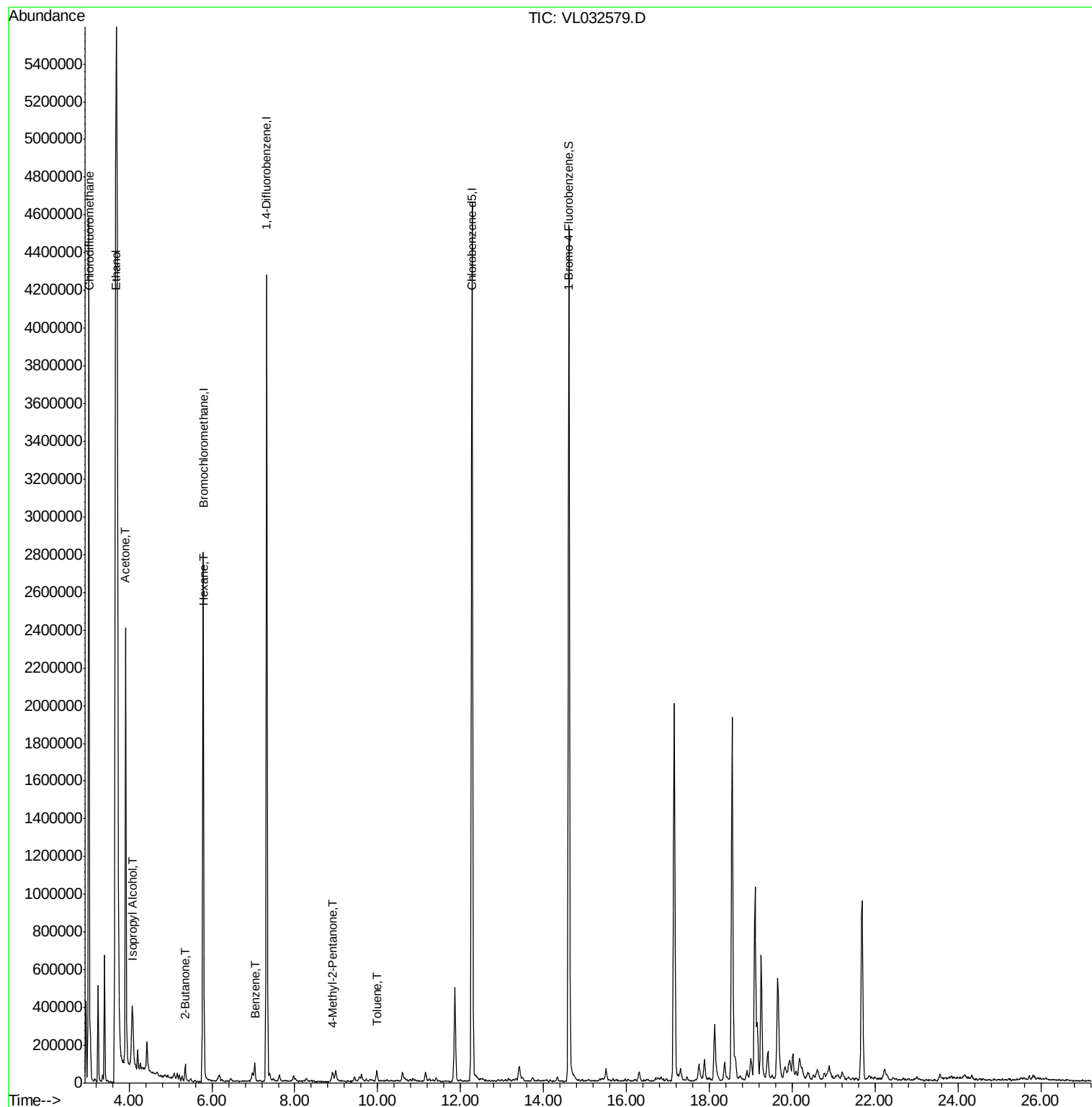
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Data File : VL032579.D
Acq On : 28 Sep 2018 11:53
Operator : SY/AP
Sample : J5094-11 10X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

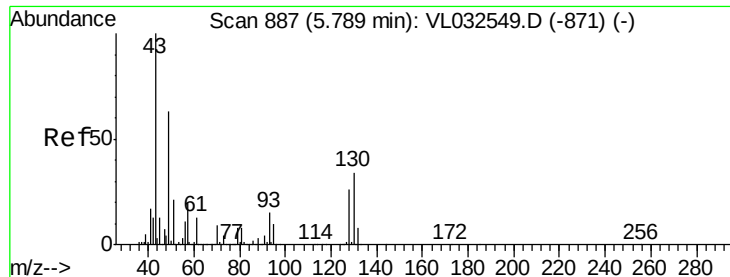
Instrument :
MSVOA_L
ClientSampleId :
KSS-1

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10/1/2018 11:58:05 AM

Quant Time: Sep 29 22:48:29 2018
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





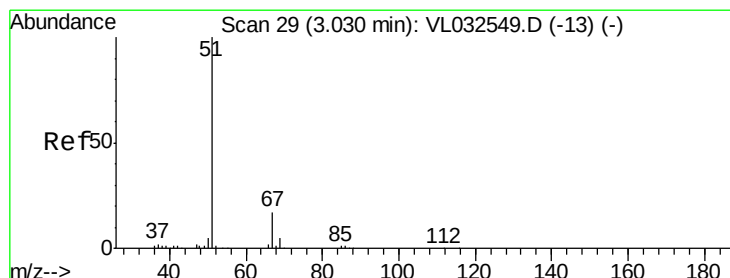
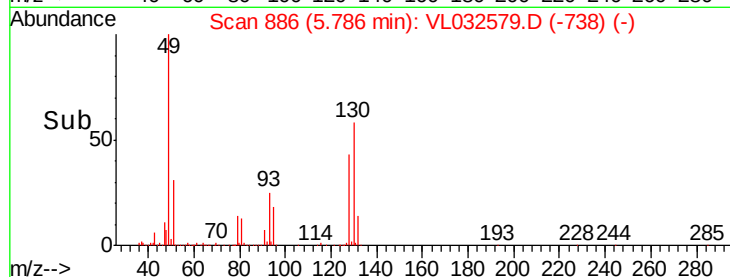
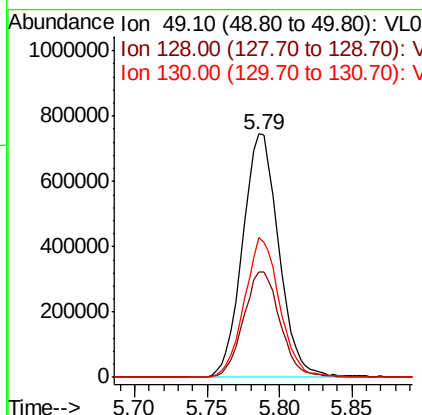
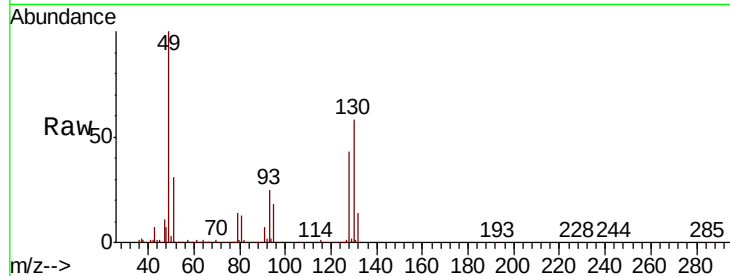
#1
 Bromochloromethane
 Concen: 10.000 ppbv
 RT: 5.79 min Scan# 886
 Delta R.T. -0.02 min
 Lab File: VL032579.D
 Acq: 28 Sep 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-1

Tgt Ion: 49 Resp: 1301711
 Ion Ratio Lower Upper
 49 100
 128 44.2 20.7 62.1
 130 56.2 26.6 79.7

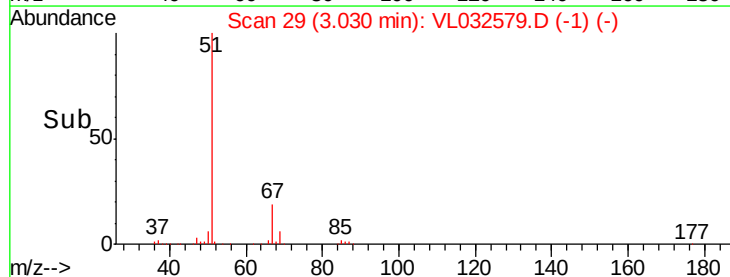
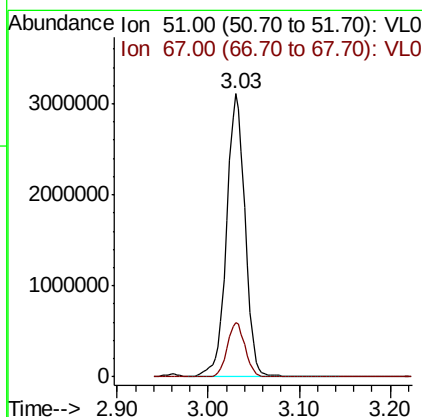
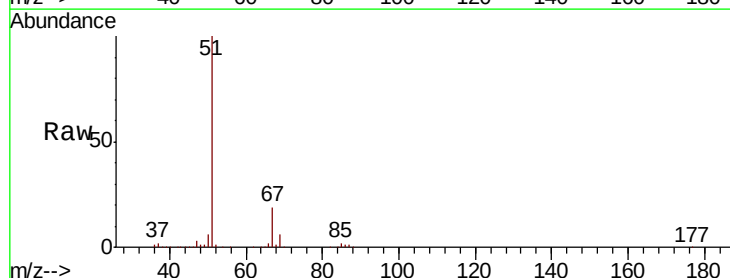
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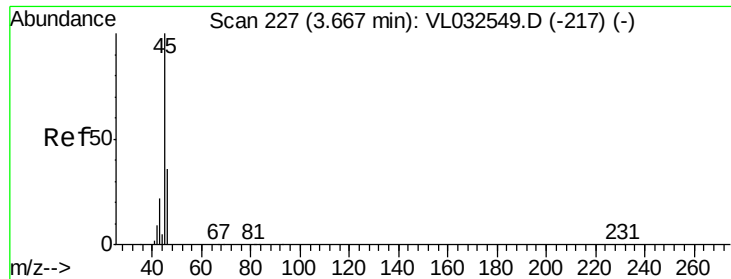
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#3
 Chlorodifluoromethane
 Concen: 40.494 ppbv
 RT: 3.03 min Scan# 29
 Delta R.T. -0.01 min
 Lab File: VL032579.D
 Acq: 28 Sep 2018 11:53

Tgt Ion: 51 Resp: 4383466
 Ion Ratio Lower Upper
 51 100
 67 18.5 13.8 20.8





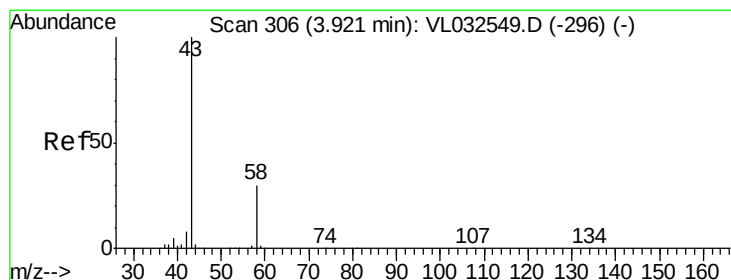
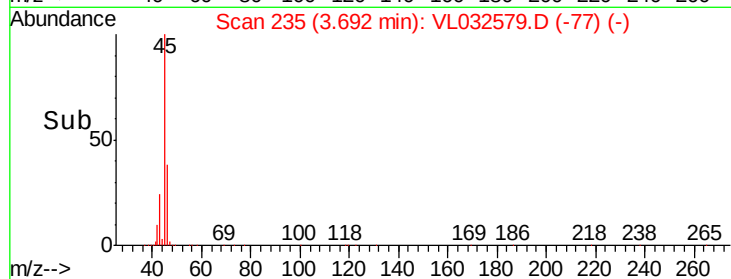
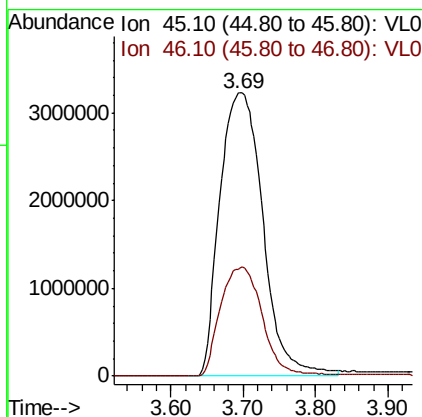
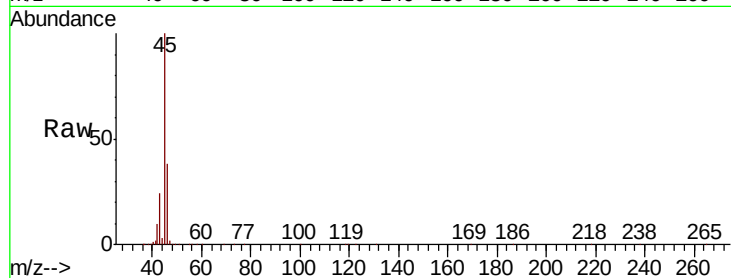
#13
Ethanol
Concen: 944.930 ppbv
RT: 3.69 min Scan# 235
Delta R.T. 0.01 min
Lab File: VL032579.D
Acq: 28 Sep 2018 11:53

Instrument :
MSVOA_L
ClientSampled :
KSS-1

Tgt Ion: 45 Resp:13340159
Ion Ratio Lower Upper
45 100
46 38.2 14.2 56.8

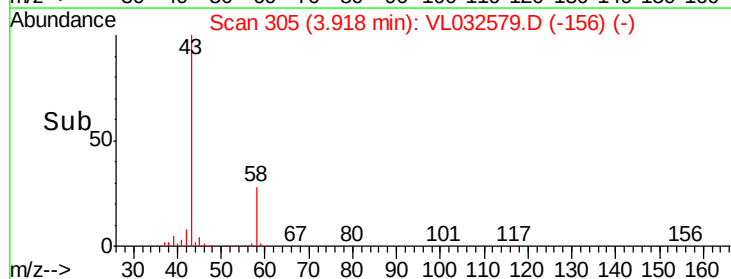
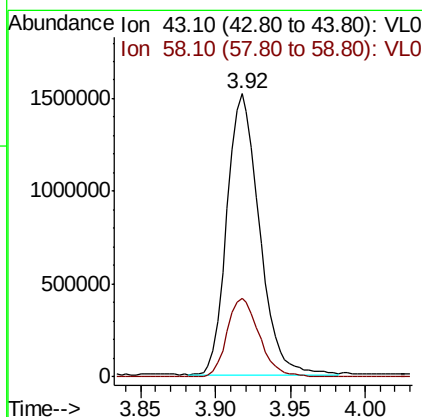
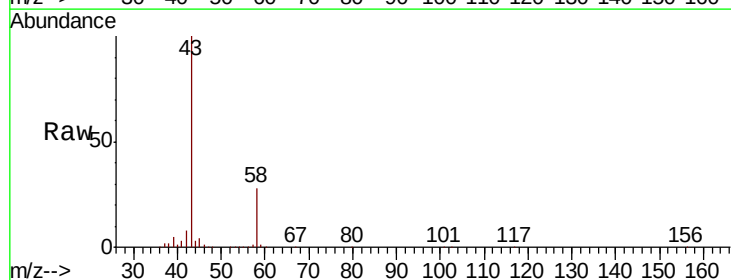
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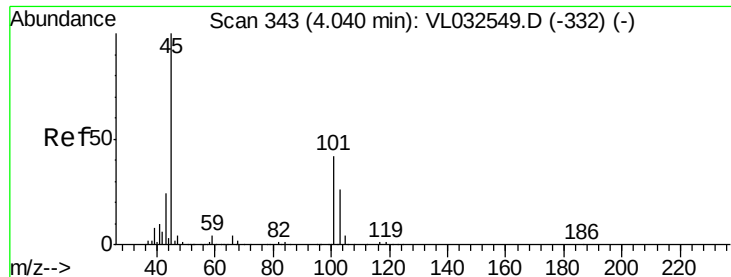
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#15
Acetone
Concen: 19.994 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.02 min
Lab File: VL032579.D
Acq: 28 Sep 2018 11:53

Tgt Ion: 43 Resp: 2284568
Ion Ratio Lower Upper
43 100
58 28.3 22.6 33.8





#19

Isopropyl Alcohol

Concen: 7.939 ppbv m

RT: 4.08 min Scan# 355

Delta R.T. 0.02 min

Lab File: VL032579.D

Acq: 28 Sep 2018 11:53

Instrument :

MSVOA_L

ClientSampled :

KSS-1

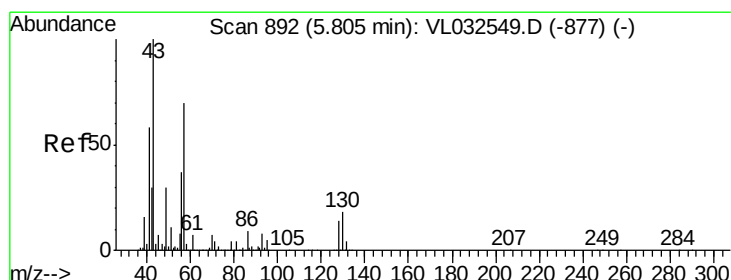
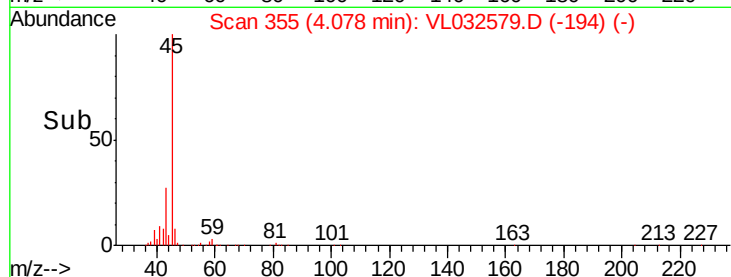
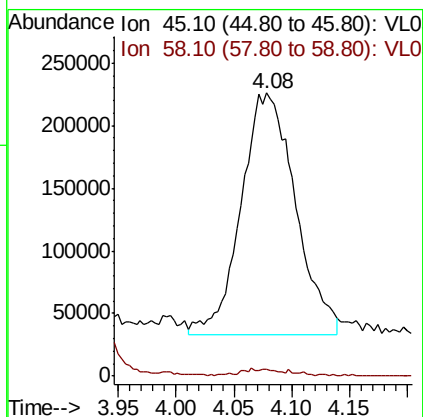
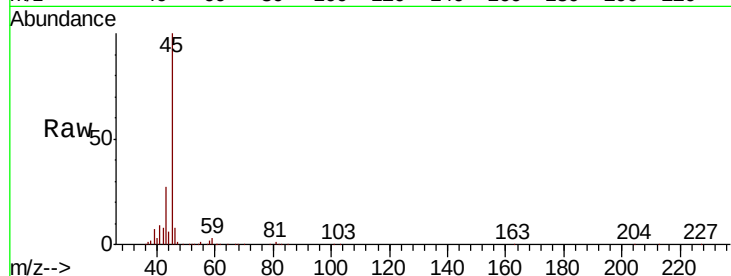
Tgt Ion: 45 Resp: 631817
Ion Ratio Lower Upper

45 100

58 0.0 2.0 3.0#

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#26

Hexane

Concen: 0.291 ppbv

RT: 5.80 min Scan# 892

Delta R.T. -0.02 min

Lab File: VL032579.D

Acq: 28 Sep 2018 11:53

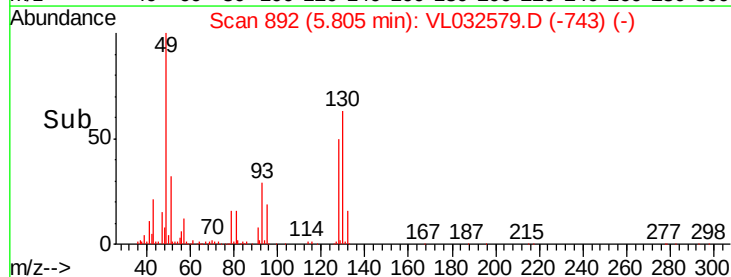
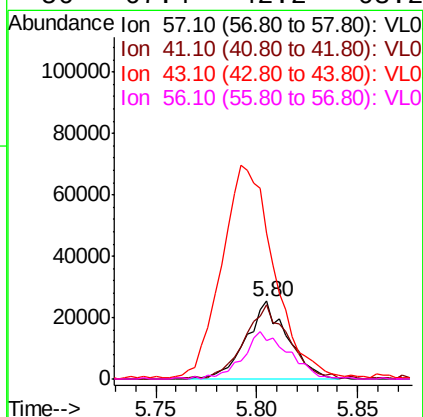
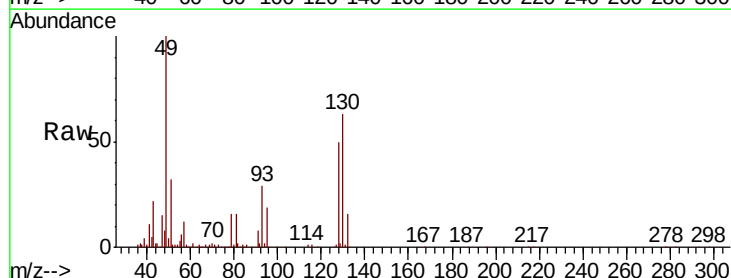
Tgt Ion: 57 Resp: 36494
Ion Ratio Lower Upper

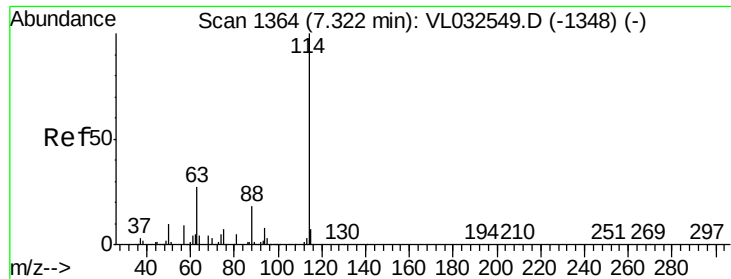
57 100

41 102.9 69.0 103.4

43 348.3 172.1 258.1#

56 67.4 42.2 63.2#





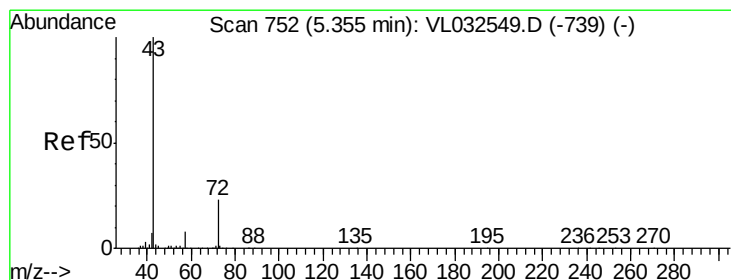
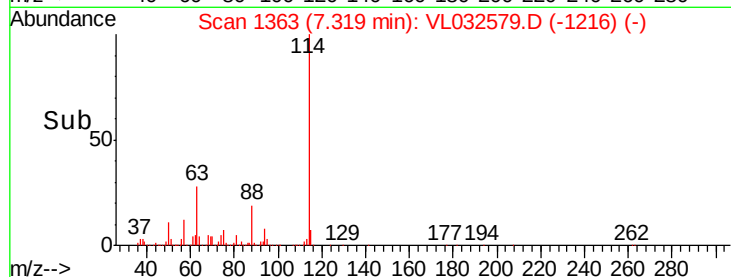
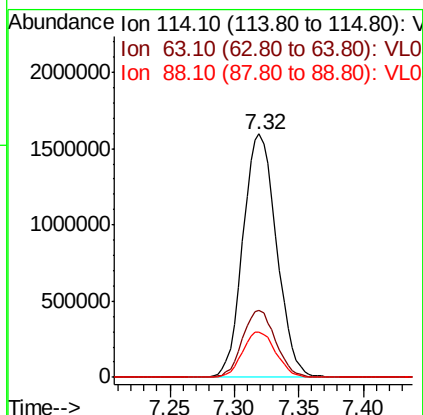
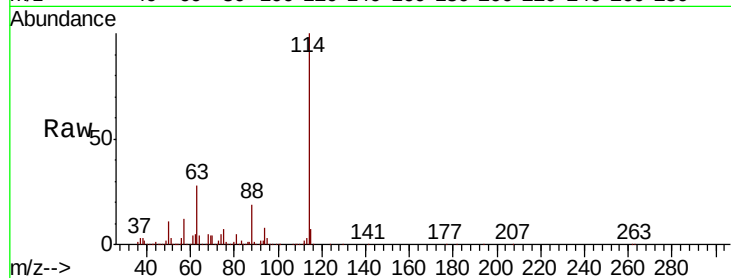
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1363
 Delta R.T. -0.03 min
 Lab File: VL032579.D
 Acq: 28 Sep 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-1

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.2	22.2	33.4
88	18.5	15.0	22.4

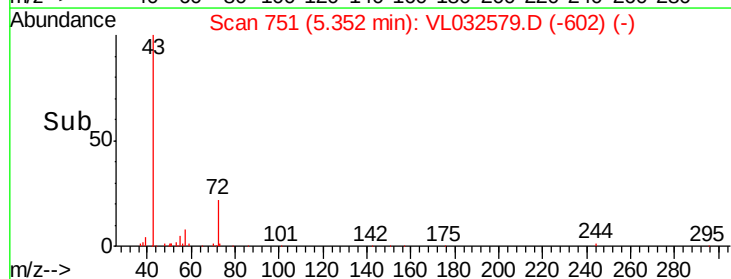
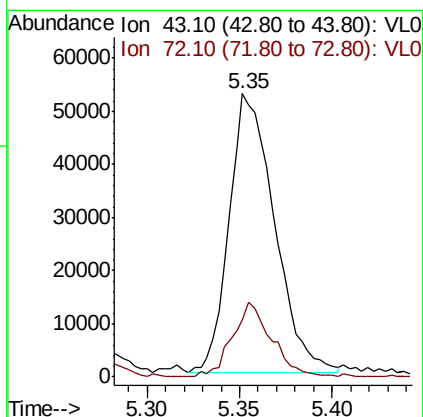
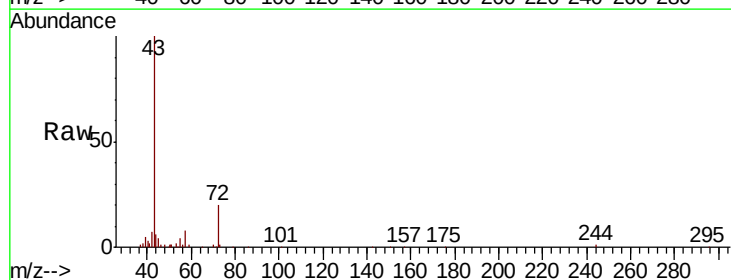
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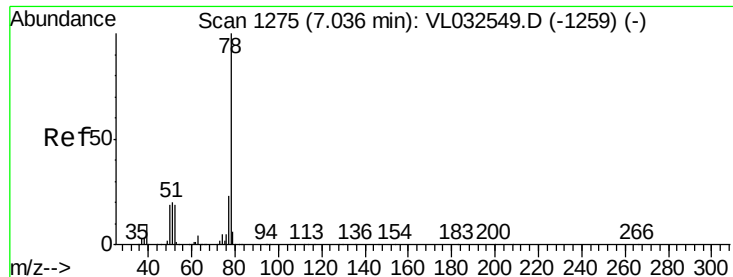
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#34
 2-Butanone
 Concen: 0.518 ppbv
 RT: 5.35 min Scan# 751
 Delta R.T. -0.02 min
 Lab File: VL032579.D
 Acq: 28 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.4	17.8	26.6





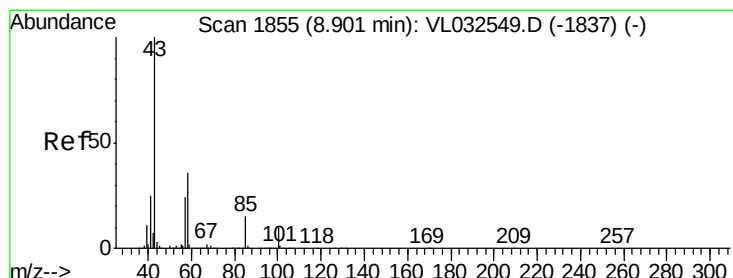
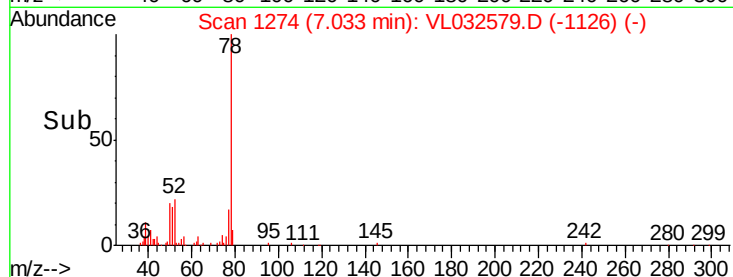
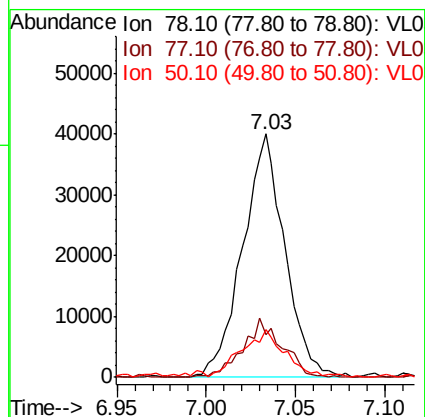
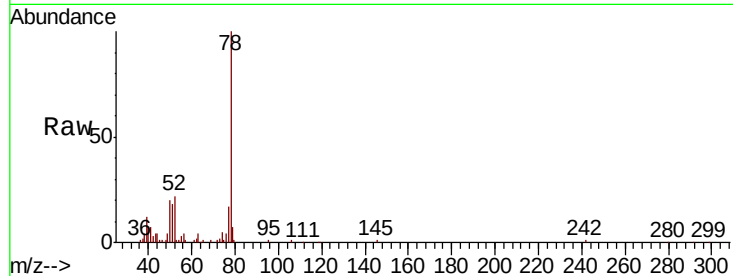
#36
Benzene
Concen: 0.283 ppbv
RT: 7.03 min Scan# 1274
Delta R.T. -0.02 min
Lab File: VL032579.D
Acq: 28 Sep 2018 11:53

Instrument :
MSVOA_L
ClientSampled :
KSS-1

Tgt Ion	Ratio	Lower	Upper
78	100		
77	17.3	18.4	27.6#
50	19.1	14.4	21.6

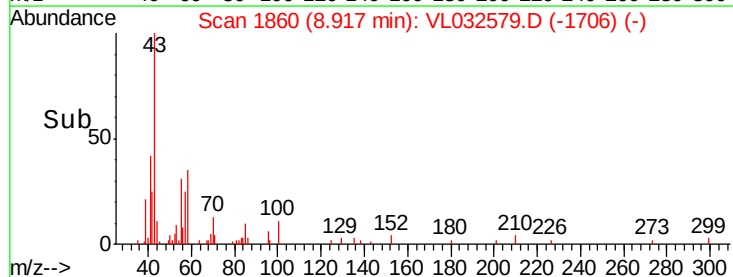
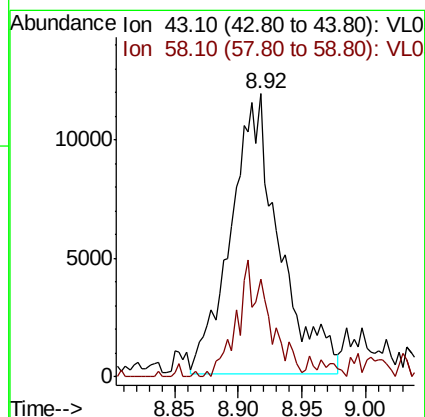
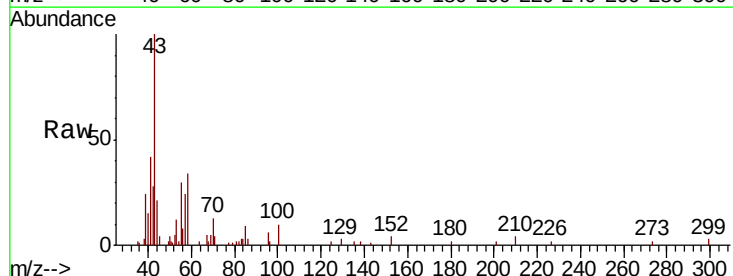
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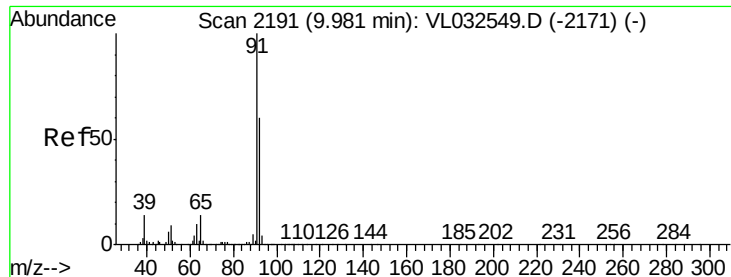
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#50
4-Methyl-2-Pentanone
Concen: 0.116 ppbv m
RT: 8.92 min Scan# 1860
Delta R.T. -0.01 min
Lab File: VL032579.D
Acq: 28 Sep 2018 11:53

Tgt Ion	Ratio	Lower	Upper
43	100		
58	0.0	29.0	43.4#





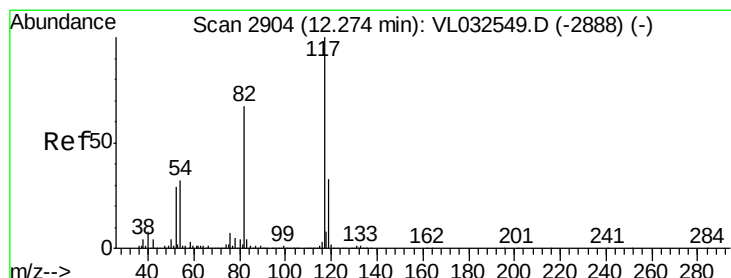
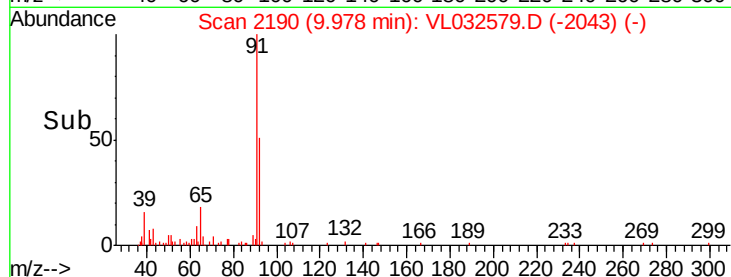
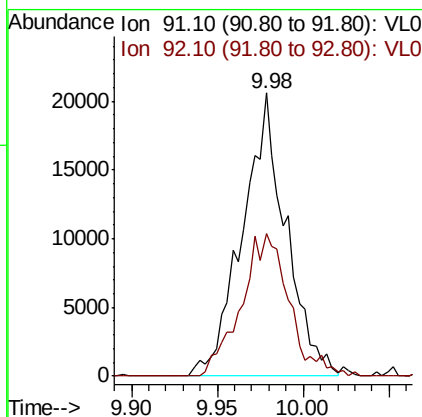
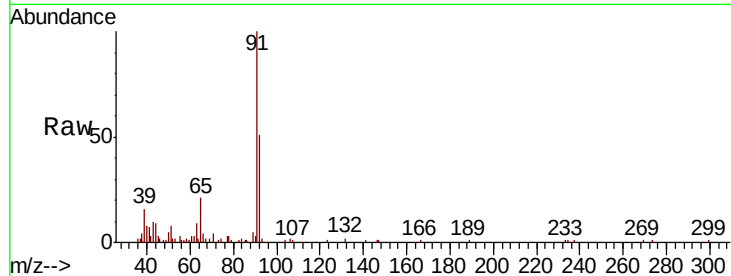
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Toluene
Concen: 0.127 ppbv
RT: 9.98 min Scan# 2190
Delta R.T. -0.03 min
Lab File: VL032579.D
Acq: 28 Sep 2018 11:53

Instrument :
MSVOA_L
ClientSampleId :
KSS-1

Tgt Ion: 91 Resp: 36246
Ion Ratio Lower Upper
91 100
92 55.3 48.1 72.1

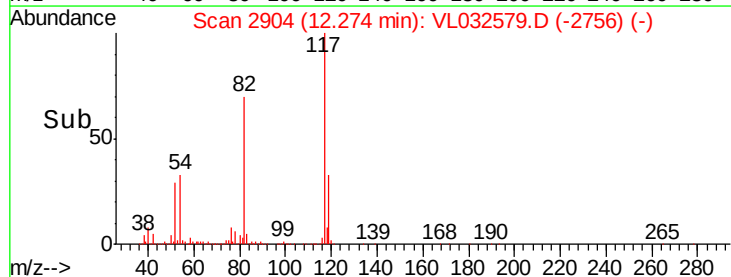
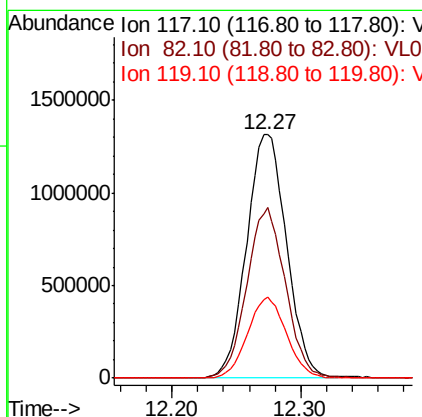
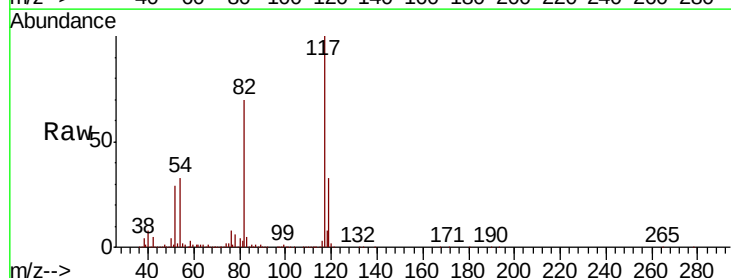
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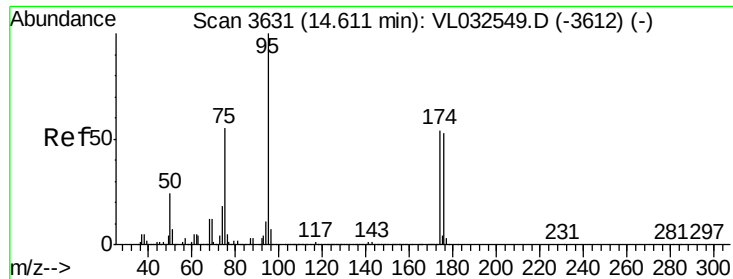
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#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032579.D
Acq: 28 Sep 2018 11:53

Tgt Ion: 117 Resp: 2840043
Ion Ratio Lower Upper
117 100
82 67.5 53.0 79.6
119 32.5 45.9 68.9#





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.295 ppbv
 RT: 14.61 min Scan# 3630
 Delta R.T. -0.03 min
 Lab File: VL032579.D
 Acq: 28 Sep 2018 11:53

Instrument :
 MSVOA_L
 ClientSampleId :
 KSS-1

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.6	46.3	69.5
175	4.2	3.4	5.0

Manual Integrations
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 10/1/2018 11:58:05 AM

