

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
 Data File : VL032570.D
 Acq On : 28 Sep 2018 4:42
 Operator : SY/AP
 Sample : J5094-04DL 10X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1DL

Manual Integrations
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 10/1/2018 11:57:54 AM

Quant Time: Sep 29 22:38:04 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	1360551	10.00	ppbv	-0.02
33) 1,4-Difluorobenzene	7.32	114	2950411	10.00	ppbv	-0.02
55) Chlorobenzene-d5	12.27	117	2921449	10.00	ppbv	-0.02

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.61	95	2216389	10.06	ppbv	-0.03
Spiked Amount	10.000	Range	65 - 135	Recovery	=	100.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	3.10	85	26651	0.212	ppbv	90
3) Chlorodifluoromethane	3.03	51	14601401	129.053	ppbv #	81
9) Propene	3.07	41	169667m	3.456	ppbv	
13) Ethanol	3.68	45	45628m	3.092	ppbv	
15) Acetone	3.92	43	3817482	31.965	ppbv	100
19) Isopropyl Alcohol	4.06	45	149622	1.799	ppbv #	93
26) Hexane	5.81	57	31107	0.238	ppbv #	53
53) Toluene	9.98	91	117393	0.404	ppbv	96

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

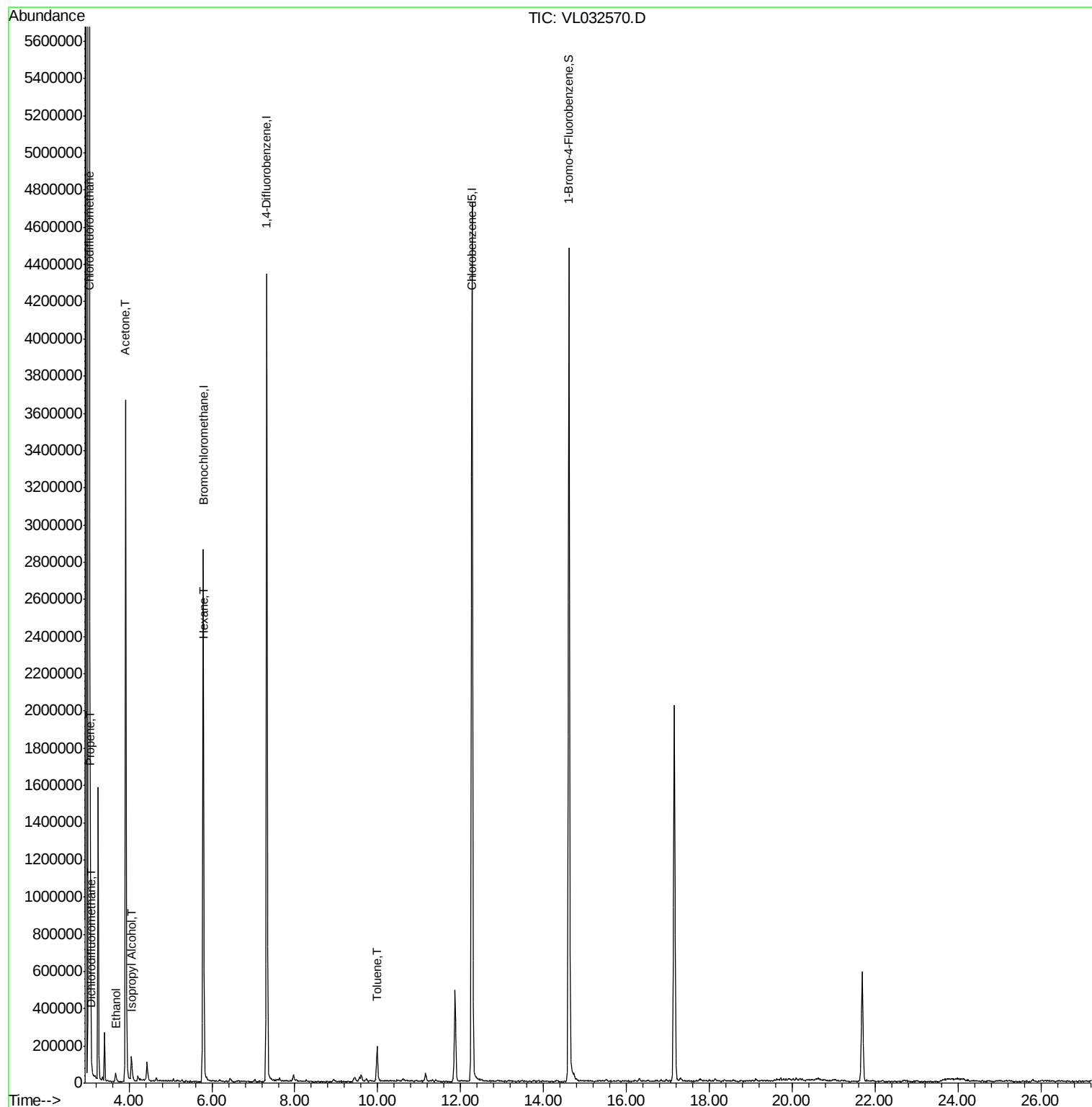
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL092718\
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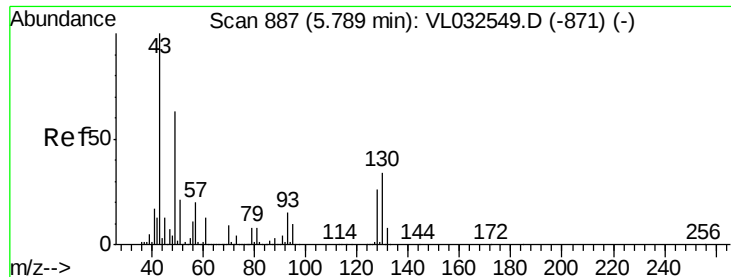
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ClientSampleId :
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Quant Time: Sep 29 22:38:04 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL092418AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Sep
QLast Update : Tue Sep 25 05:17:15 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.79 min Scan# 887

Delta R.T. -0.02 min

Lab File: VL032570.D

Acq: 28 Sep 2018 4:42

Instrument :

MSVOA_L

ClientSampleID :

FIA-1DL

Tgt Ion: 49 Resp: 1360551

Ion Ratio Lower Upper

49 100

128 43.5 20.7 62.1

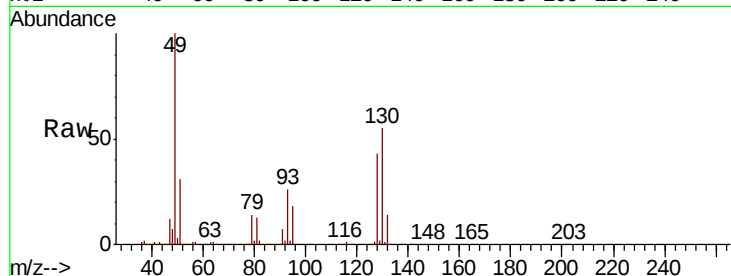
130 55.4 26.6 79.7

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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

5.79

800000

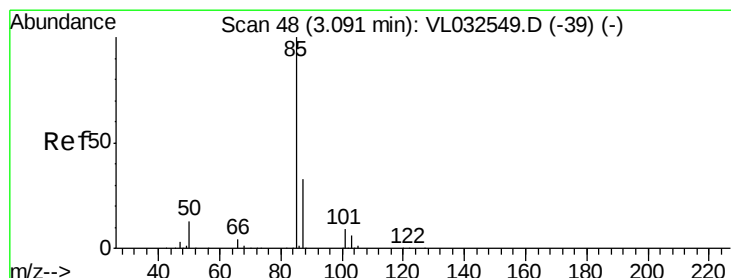
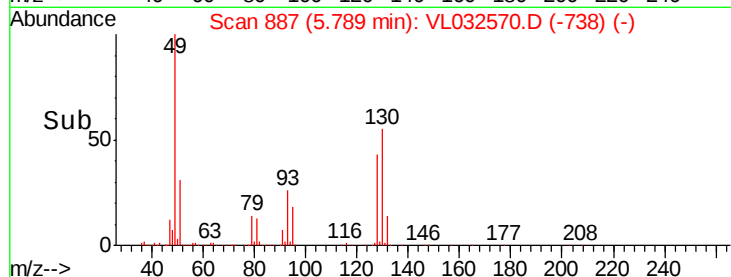
600000

400000

200000

0

Time--> 5.70 5.75 5.80 5.85



#2

Dichlorodifluoromethane

Concen: 0.212 ppbv

RT: 3.10 min Scan# 50

Delta R.T. -0.01 min

Lab File: VL032570.D

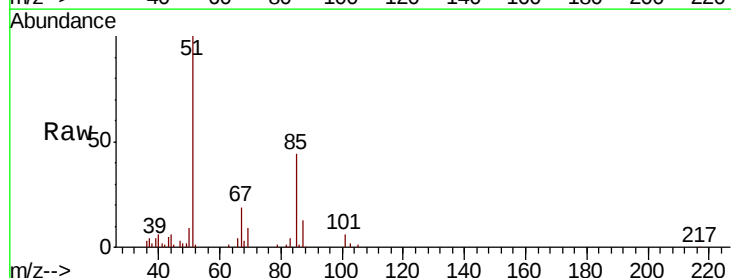
Acq: 28 Sep 2018 4:42

Tgt Ion: 85 Resp: 26651

Ion Ratio Lower Upper

85 100

87 27.2 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VL0

Ion 87.00 (86.70 to 87.70): VL0

100000

80000

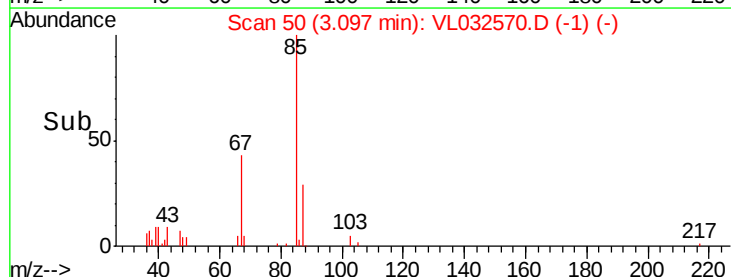
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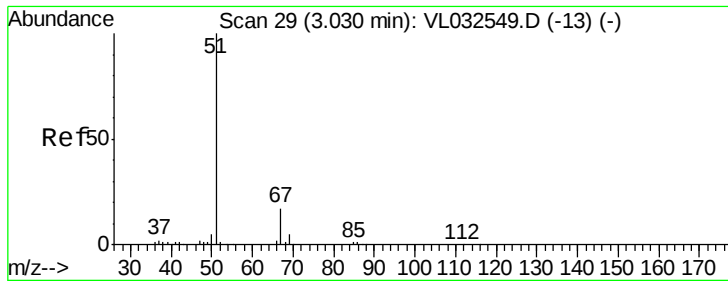
40000

20000

0

Time--> 3.06 3.08 3.10 3.12





#3

Chlorodifluoromethane

Concen: 129.053 ppbv

RT: 3.03 min Scan# 29

Delta R.T. -0.01 min

Lab File: VL032570.D

Acq: 28 Sep 2018 4:42

Instrument :

MSVOA_L

ClientSampleId :

FIA-1DL

Tgt Ion: 51 Resp:14601401

Ion Ratio Lower Upper

51 100

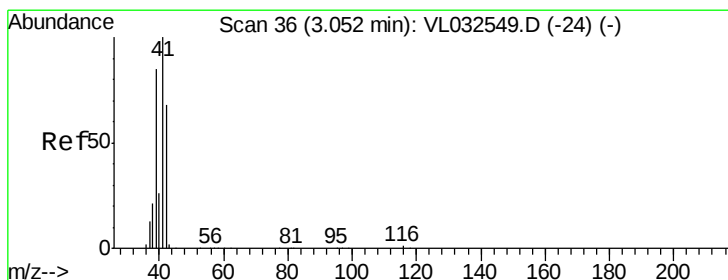
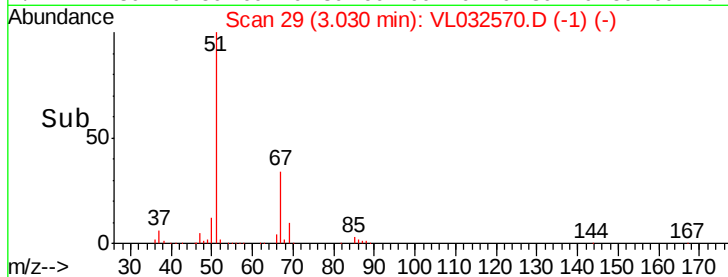
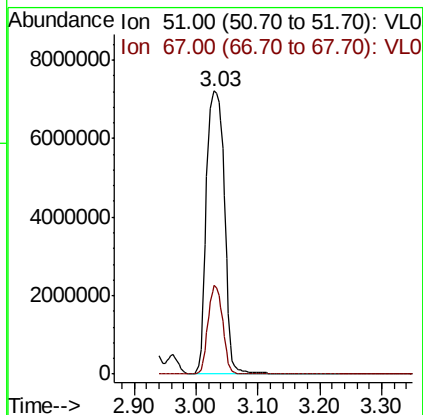
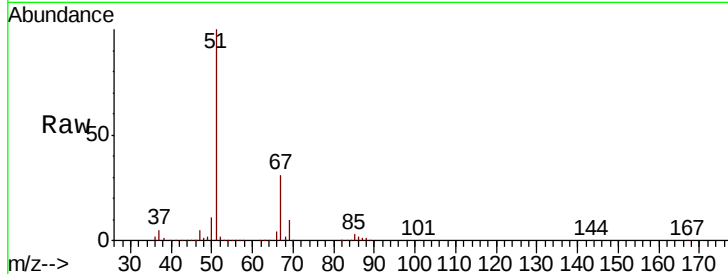
67 25.7 13.8 20.8#

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#9

Propene

Concen: 3.456 ppbv m

RT: 3.07 min Scan# 40

Delta R.T. -0.00 min

Lab File: VL032570.D

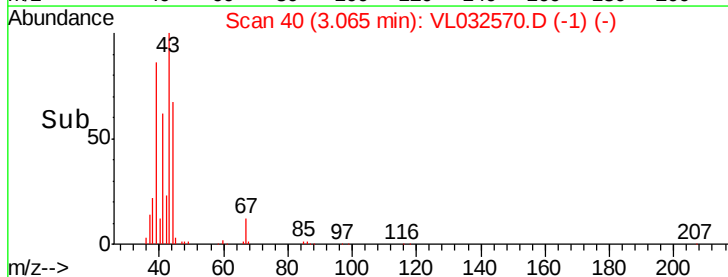
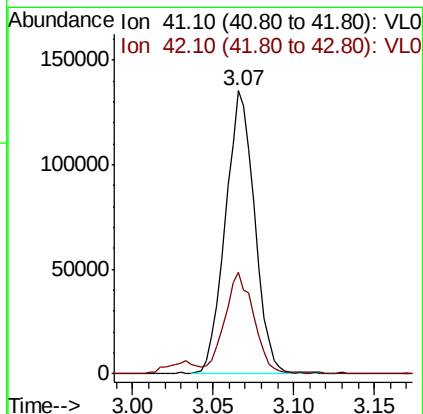
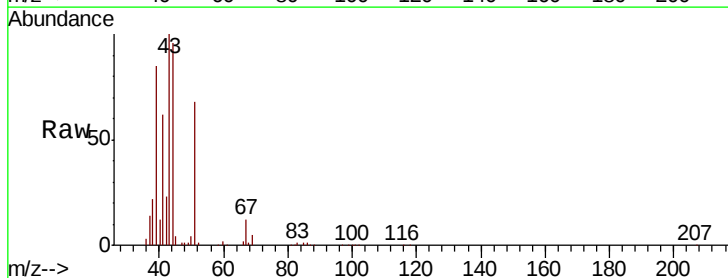
Acq: 28 Sep 2018 4:42

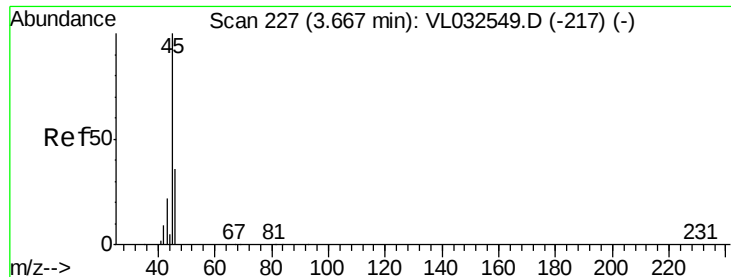
Tgt Ion: 41 Resp: 169667

Ion Ratio Lower Upper

41 100

42 167.2 56.6 84.8#





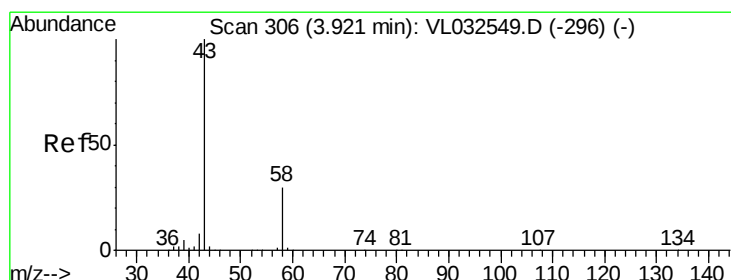
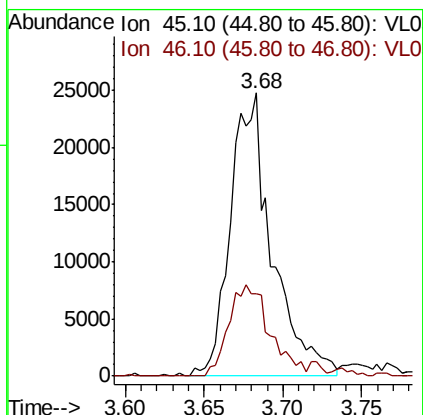
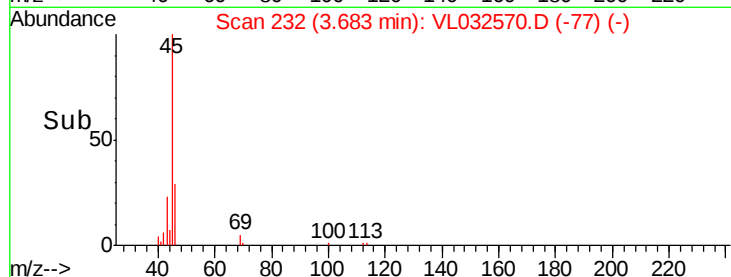
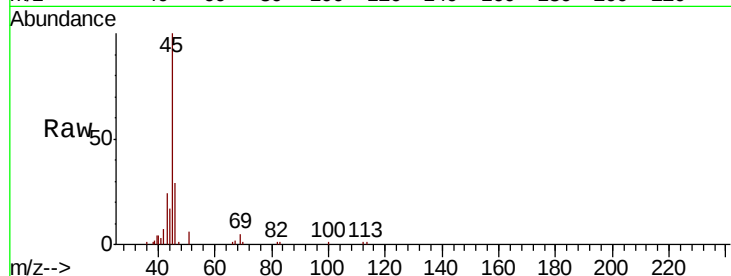
#13
Ethanol
Concen: 3.092 ppbv m
RT: 3.68 min Scan# 232
Delta R.T. -0.00 min
Lab File: VL032570.D
Acq: 28 Sep 2018 4:42

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DL

Tgt Ion: 45 Resp: 45628
Ion Ratio Lower Upper
45 100
46 35.1 14.2 56.8

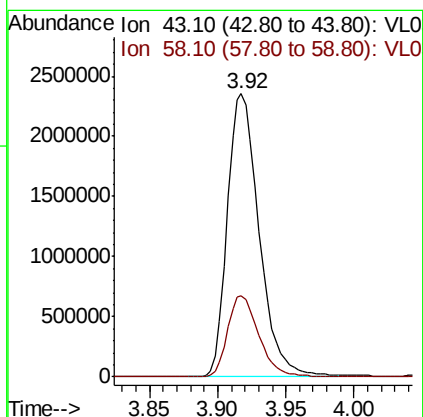
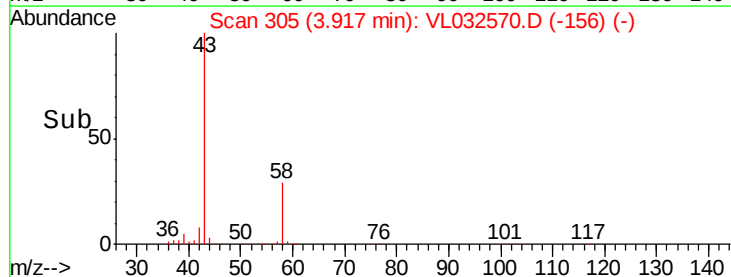
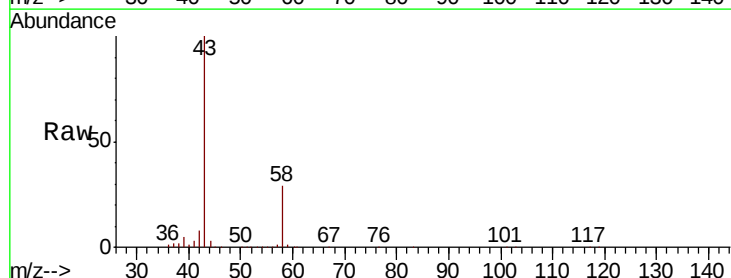
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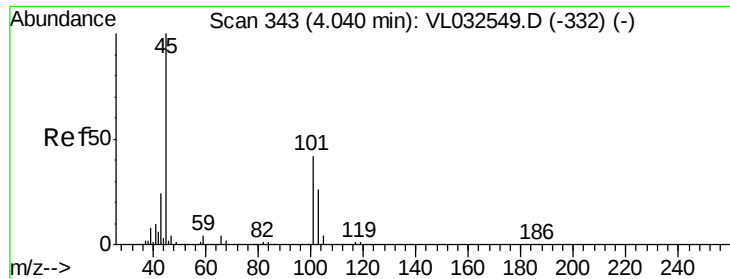
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#15
Acetone
Concen: 31.965 ppbv
RT: 3.92 min Scan# 305
Delta R.T. -0.02 min
Lab File: VL032570.D
Acq: 28 Sep 2018 4:42

Tgt Ion: 43 Resp: 3817482
Ion Ratio Lower Upper
43 100
58 28.5 22.6 33.8





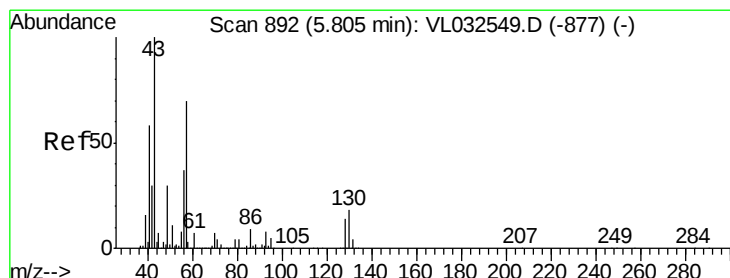
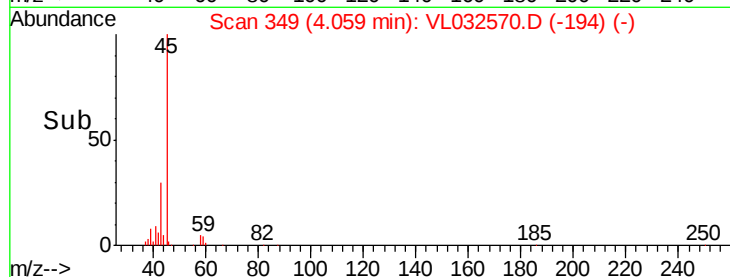
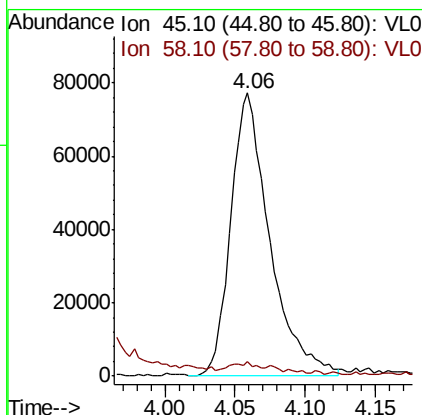
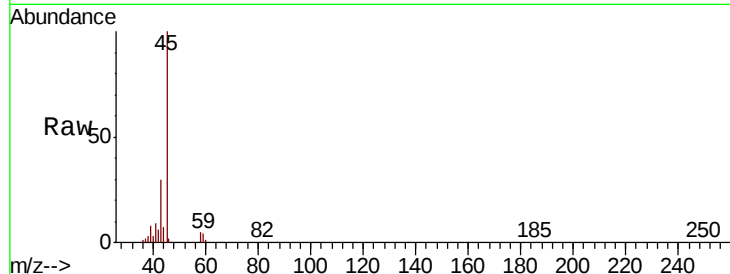
#19
Isopropyl Alcohol
Concen: 1.799 ppbv
RT: 4.06 min Scan# 349
Delta R.T. -0.00 min
Lab File: VL032570.D
Acq: 28 Sep 2018 4:42

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DL

Tgt Ion: 45 Resp: 149622
Ion Ratio Lower Upper
45 100
58 0.0 2.0 3.0#

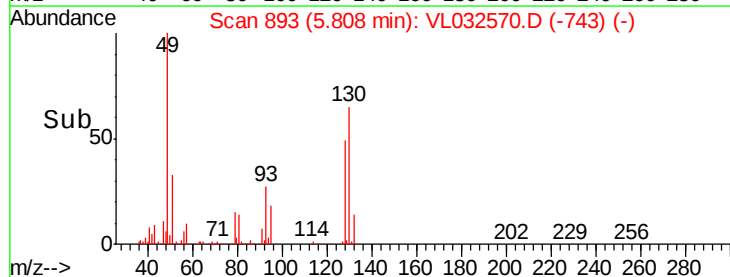
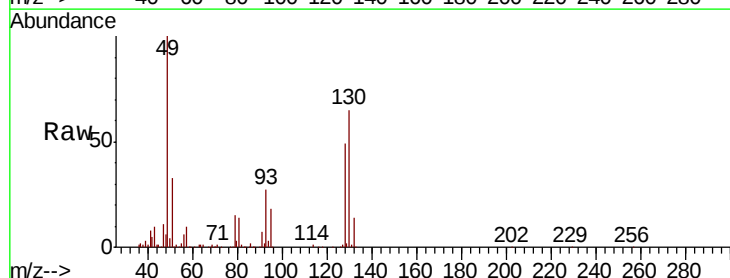
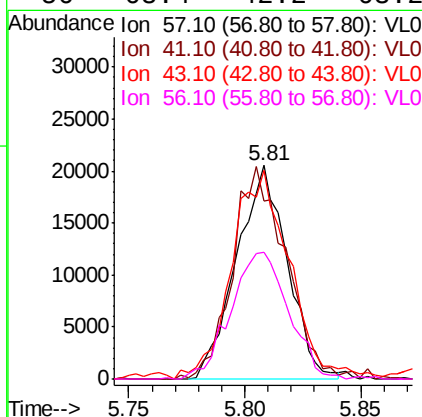
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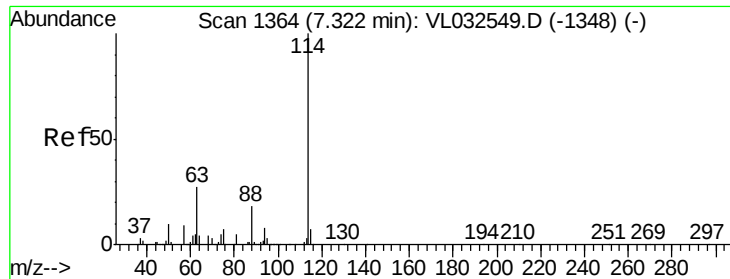
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#26
Hexane
Concen: 0.238 ppbv
RT: 5.81 min Scan# 893
Delta R.T. -0.02 min
Lab File: VL032570.D
Acq: 28 Sep 2018 4:42

Tgt Ion: 57 Resp: 31107
Ion Ratio Lower Upper
57 100
41 106.3 69.0 103.4#
43 114.8 172.1 258.1#
56 68.4 42.2 63.2#





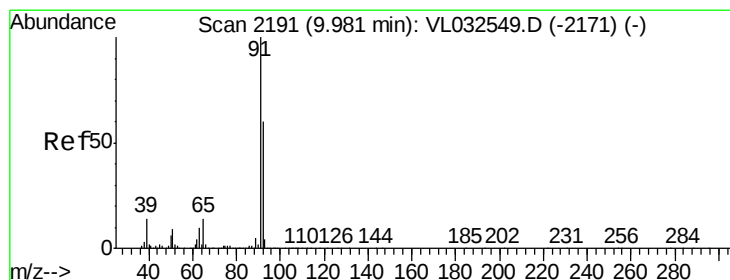
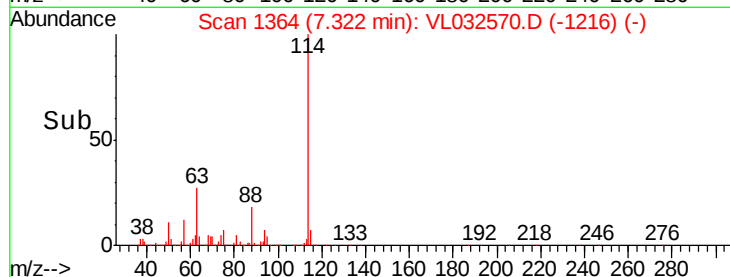
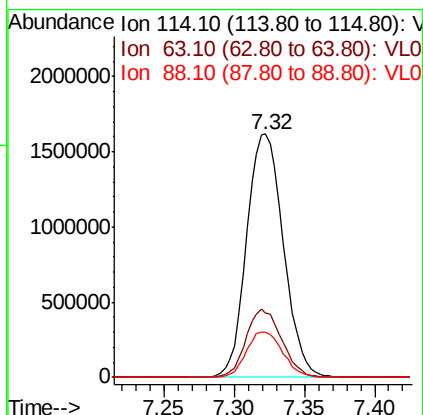
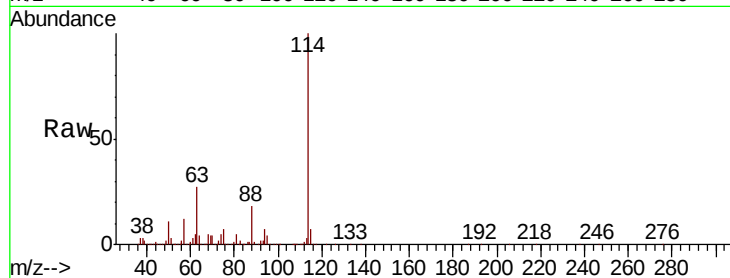
#33
 1,4-Difluorobenzene
 Concen: 10.000 ppbv
 RT: 7.32 min Scan# 1364
 Delta R.T. -0.02 min
 Lab File: VL032570.D
 Acq: 28 Sep 2018 4:42

Instrument :
 MSVOA_L
 ClientSampleId :
 FIA-1DL

Tgt Ion	Ratio	Lower	Upper
114	100		
63	27.4	22.2	33.4
88	18.7	15.0	22.4

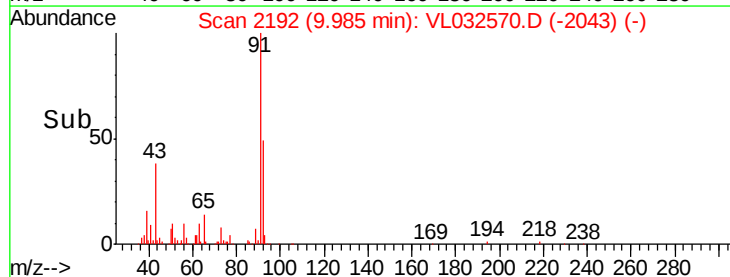
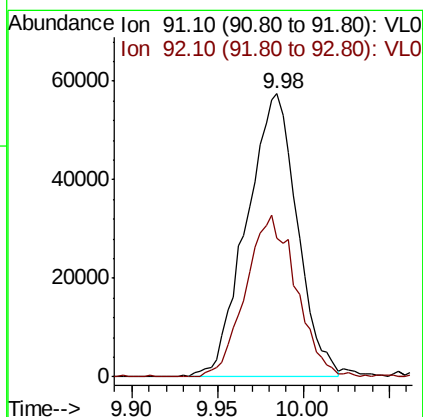
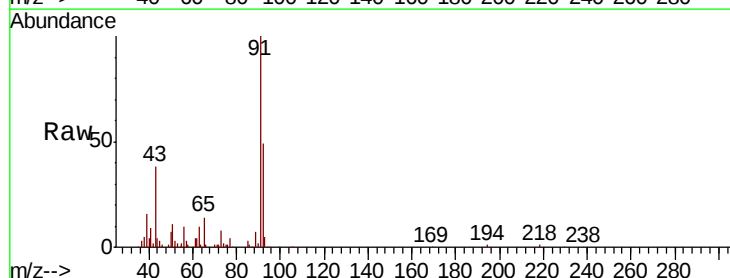
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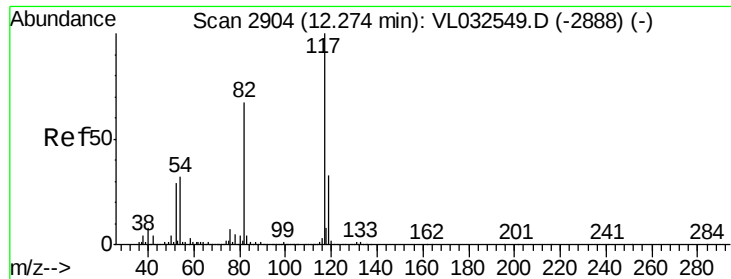
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#53
 Toluene
 Concen: 0.404 ppbv
 RT: 9.98 min Scan# 2192
 Delta R.T. -0.02 min
 Lab File: VL032570.D
 Acq: 28 Sep 2018 4:42

Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.1	48.1	72.1





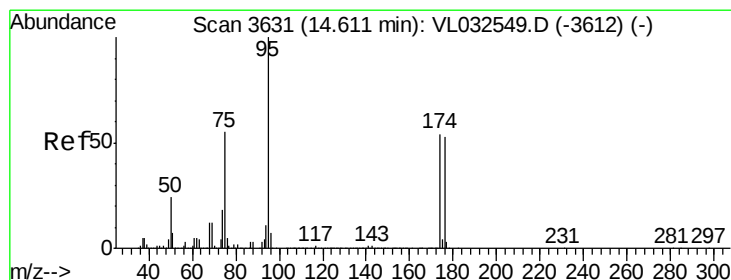
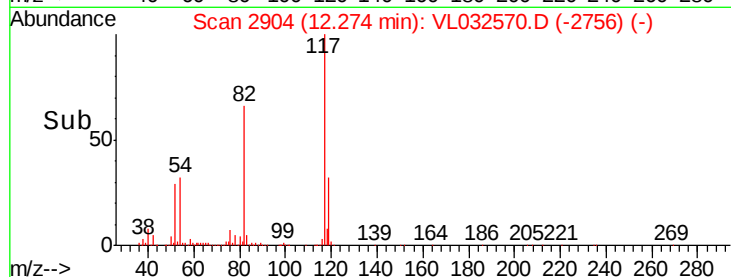
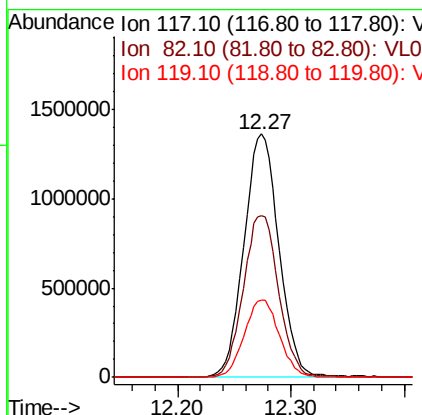
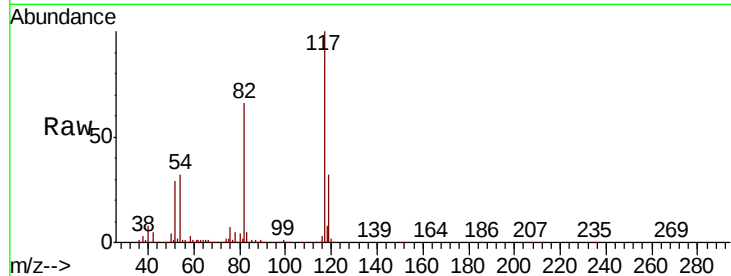
#55
Chlorobenzene-d5
Concen: 10.000 ppbv
RT: 12.27 min Scan# 2904
Delta R.T. -0.02 min
Lab File: VL032570.D
Acq: 28 Sep 2018 4:42

Instrument :
MSVOA_L
ClientSampleId :
FIA-1DL

Tgt Ion	Ratio	Lower	Upper
117	100		
82	67.4	53.0	79.6
119	32.3	45.9	68.9#

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#68
1-Bromo-4-Fluorobenzene
Concen: 10.060 ppbv
RT: 14.61 min Scan# 3630
Delta R.T. -0.03 min
Lab File: VL032570.D
Acq: 28 Sep 2018 4:42

Tgt Ion	Ratio	Lower	Upper
95	100		
174	57.4	46.3	69.5
175	4.1	3.4	5.0

