

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
 Data File : VL032641.D
 Acq On : 17 Oct 2018 15:06
 Operator : SY/AP
 Sample : J5500-02DL2 400X
 Misc : 400ml/MSVOA_L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVIDL2

Manual Integrations
 APPROVED

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 10/19/2018 4:36:37 PM

Quant Time: Oct 18 10:24:17 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct 18 10:24:17 2018
 QLast Update : Wed Oct 17 08:55:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.78	49	1206624	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.31	114	2684527	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.26	117	2587009	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.60	95	1993840	10.24	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	102.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Propene	3.05	41	38003	1.03	ppbv	84
13) Ethanol	3.69	45	17681	1.54	ppbv	97
15) Acetone	3.94	43	92558	0.86	ppbv	94
18) 1,1-Dichloroethene	4.37	96	17459m	0.34	ppbv	
29) Chloroform	5.86	83	5750344	28.67	ppbv	99
35) Carbon Tetrachloride	7.15	117	1602369m	7.70	ppbv	
36) Benzene	7.02	78	75635	0.35	ppbv #	93
38) Trichloroethene	7.98	130	19201m	0.23	ppbv	
53) Toluene	9.96	91	53109m	0.21	ppbv	

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

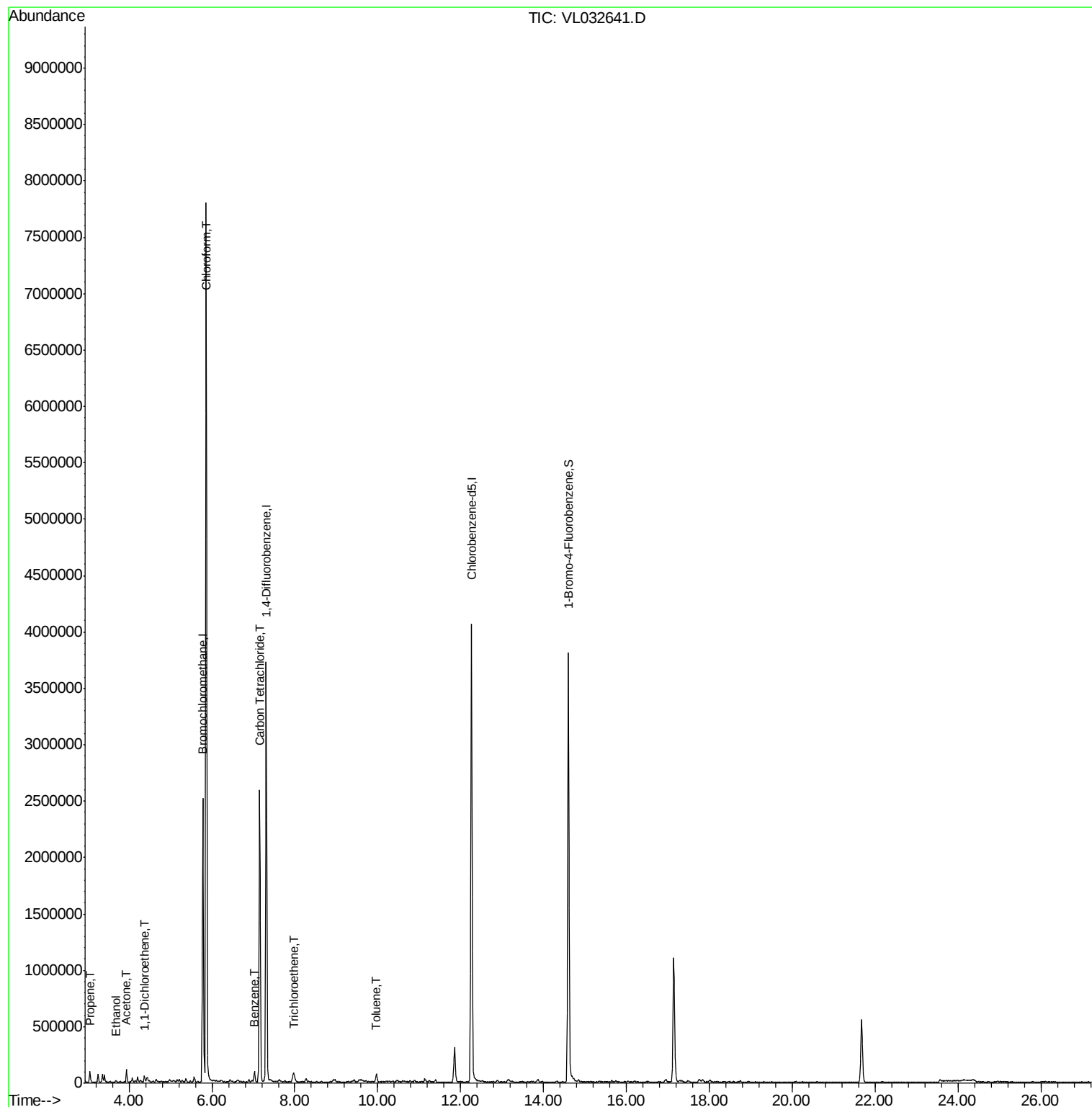
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_L\DATA\VL101718\
Data File : VL032641.D
Acq On : 17 Oct 2018 15:06
Operator : SY/AP
Sample : J5500-02DL2 400X
Misc : 400ml/MSVOA_L
ALS Vial : 1 Sample Multiplier: 1

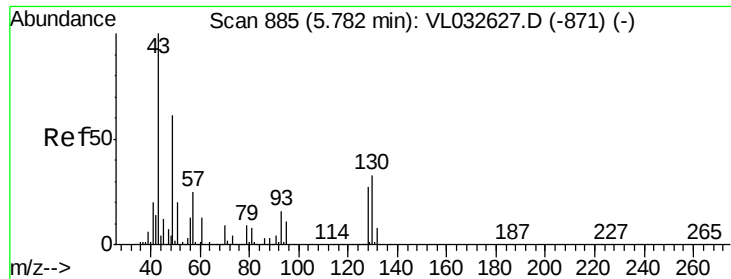
Instrument :
MSVOA_L
ClientSampleId :
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10/19/2018 4:36:37 PM

Quant Time: Oct 18 10:24:17 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_L\METHODS\VL101718AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Oct
QLast Update : Wed Oct 17 08:55:11 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.78 min Scan# 884

Delta R.T. -0.00 min

Lab File: VL032641.D

Acq: 17 Oct 2018 15:06

Instrument :

MSVOA_L

ClientSampleId :

SS04-MIVIDL2

Tgt Ion: 49 Resp: 1206624

Ion Ratio Lower Upper

49 100

128 43.8 22.3 66.8

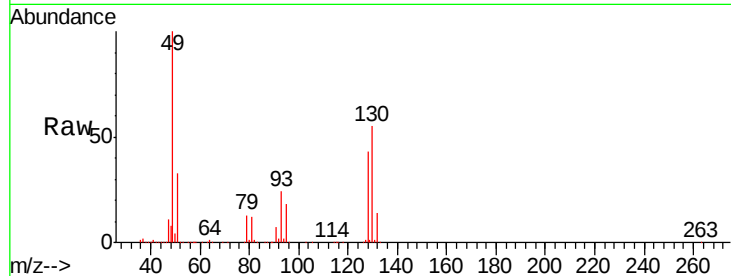
130 57.1 28.4 85.3

Manual Integrations

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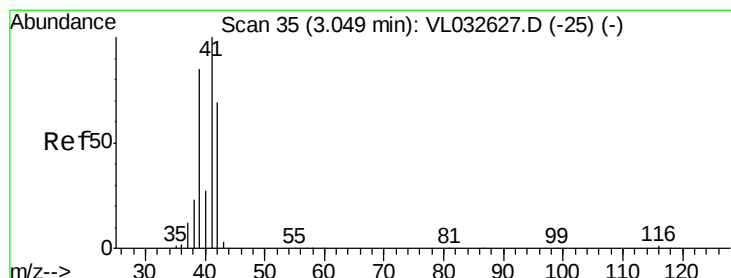
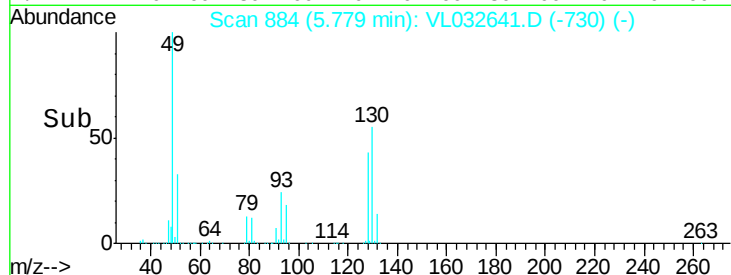
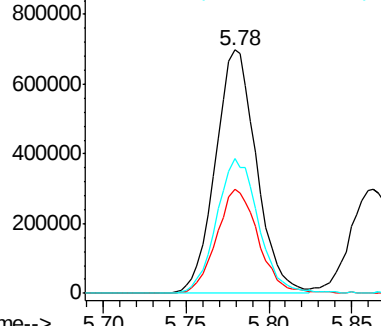
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#9

Propene

Concen: 1.03 ppbv

RT: 3.05 min Scan# 36

Delta R.T. 0.00 min

Lab File: VL032641.D

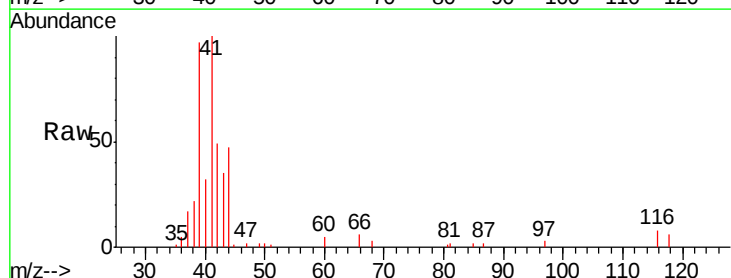
Acq: 17 Oct 2018 15:06

Tgt Ion: 41 Resp: 38003

Ion Ratio Lower Upper

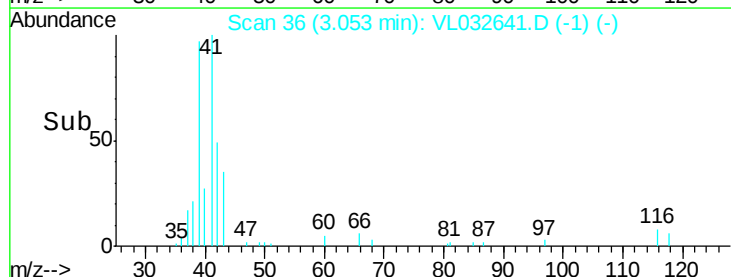
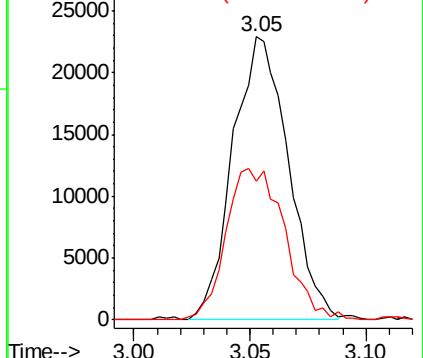
41 100

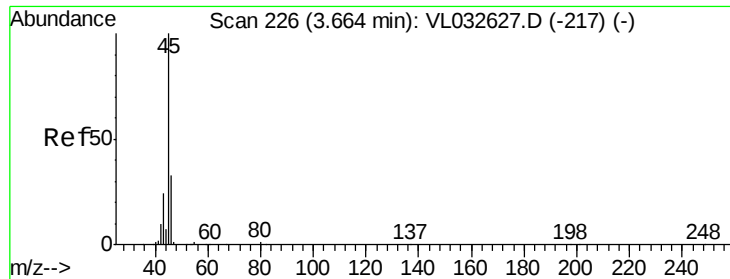
42 56.4 55.4 83.0



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0





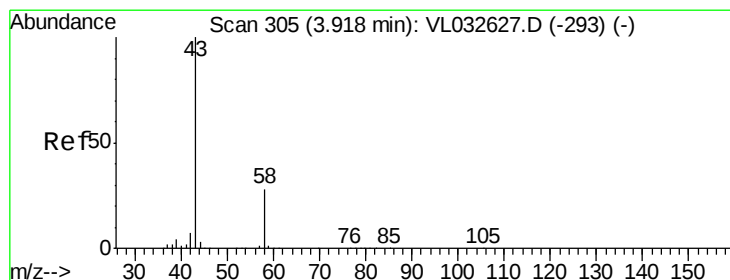
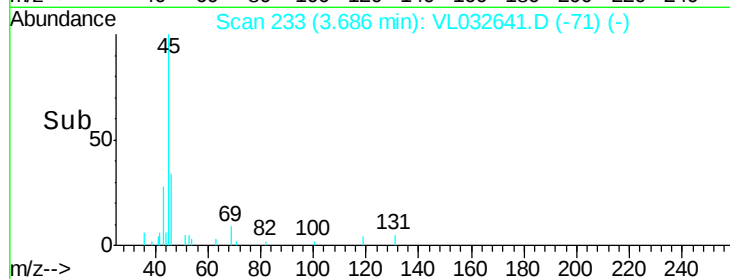
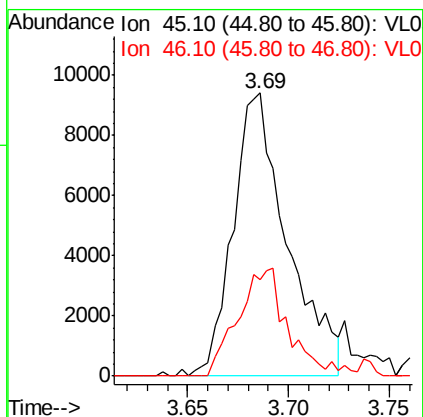
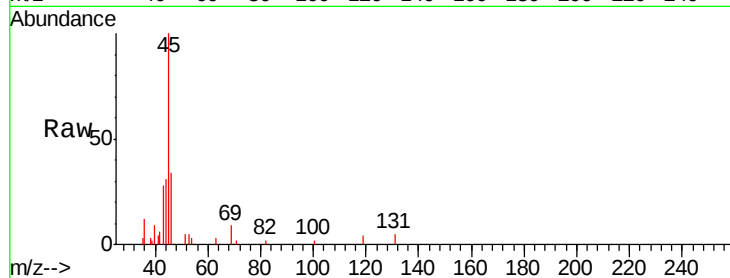
#13
Ethanol
Concen: 1.54 ppbv
RT: 3.69 min Scan# 233
Delta R.T. 0.02 min
Lab File: VL032641.D
Acq: 17 Oct 2018 15:06

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL2

Tgt Ion: 45 Resp: 17681
Ion Ratio Lower Upper
45 100
46 36.9 15.4 61.8

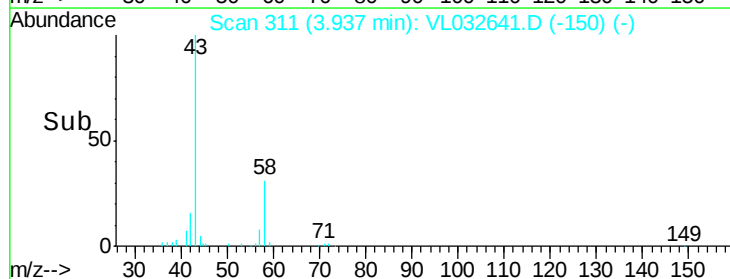
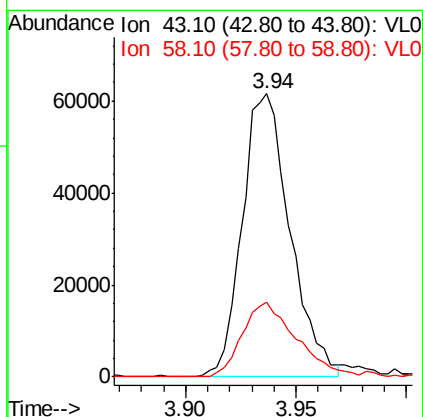
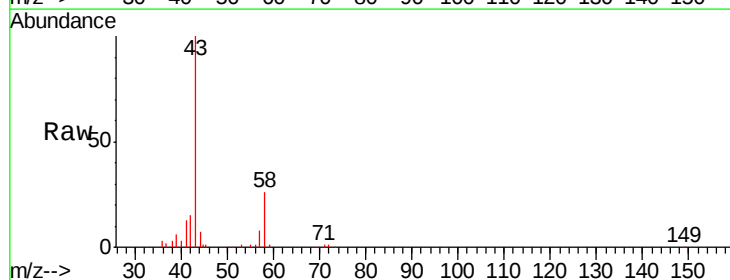
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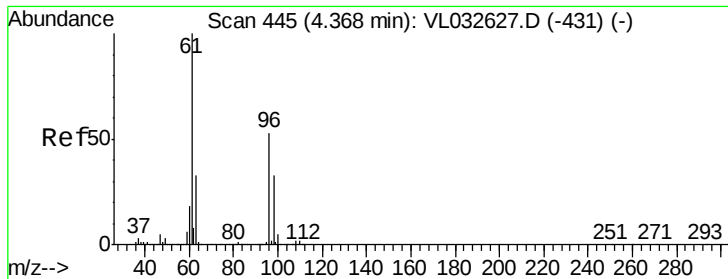
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#15
Acetone
Concen: 0.86 ppbv
RT: 3.94 min Scan# 311
Delta R.T. 0.02 min
Lab File: VL032641.D
Acq: 17 Oct 2018 15:06

Tgt Ion: 43 Resp: 92558
Ion Ratio Lower Upper
43 100
58 30.6 22.1 33.1





#18

1,1-Dichloroethene

Concen: 0.34 ppbv m

RT: 4.37 min Scan# 445

Delta R.T. -0.00 min

Lab File: VL032641.D

Acq: 17 Oct 2018 15:06

Instrument :

MSVOA_L

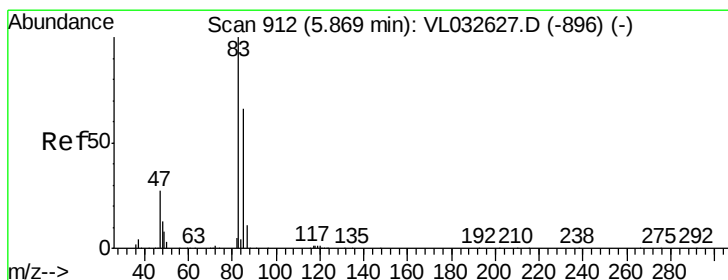
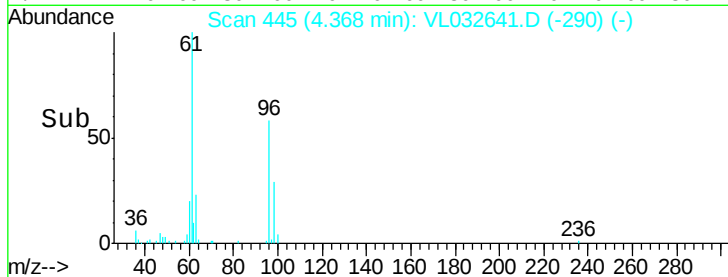
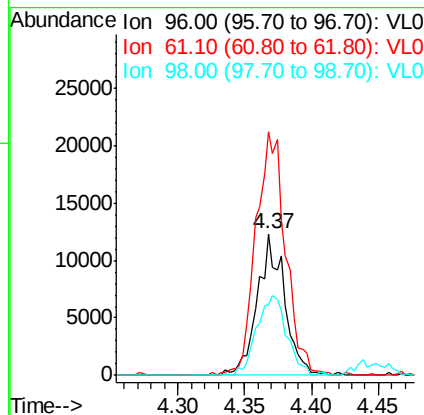
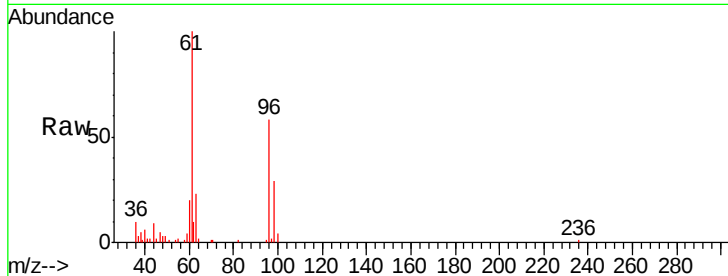
ClientSampleId :

SS04-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
96	100		
61	172.0	151.6	227.4
98	50.1	50.6	75.8#

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#29

Chloroform

Concen: 28.67 ppbv

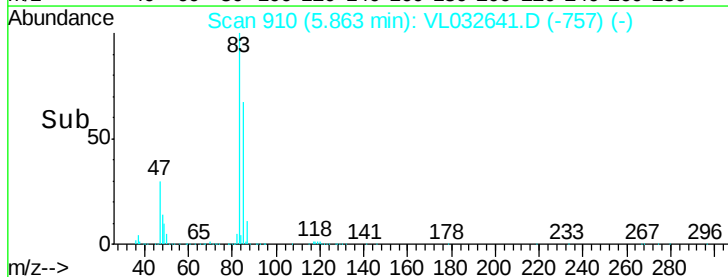
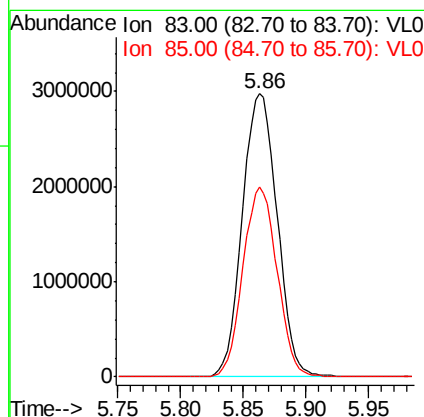
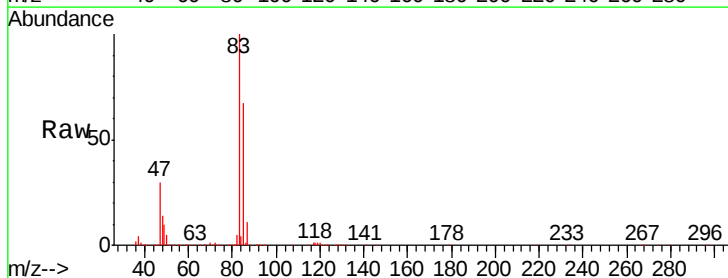
RT: 5.86 min Scan# 910

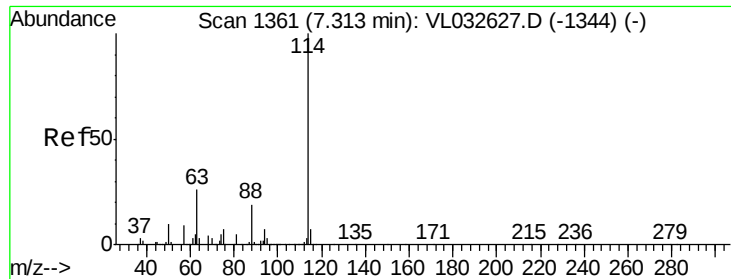
Delta R.T. -0.01 min

Lab File: VL032641.D

Acq: 17 Oct 2018 15:06

Tgt Ion	Ratio	Lower	Upper
83	100		
85	67.0	53.0	79.6





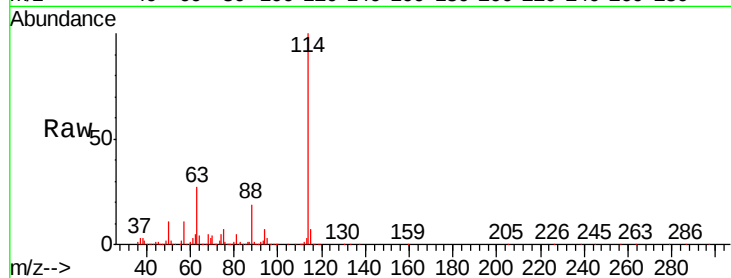
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.31 min Scan# 1360
 Delta R.T. -0.00 min
 Lab File: VL032641.D
 Acq: 17 Oct 2018 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.7	32.5
88	18.8	14.9	22.3

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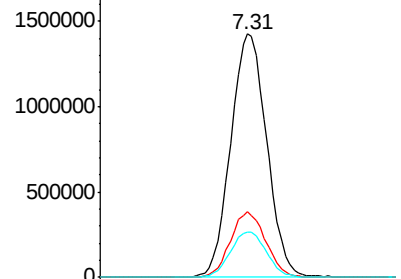
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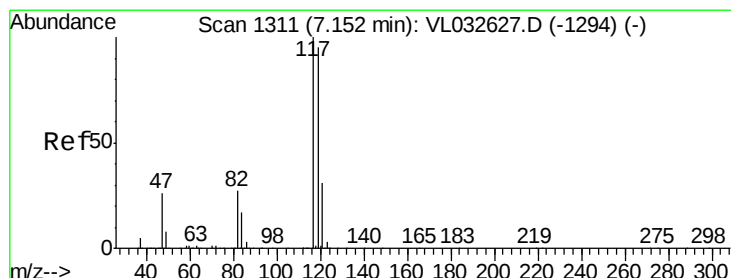
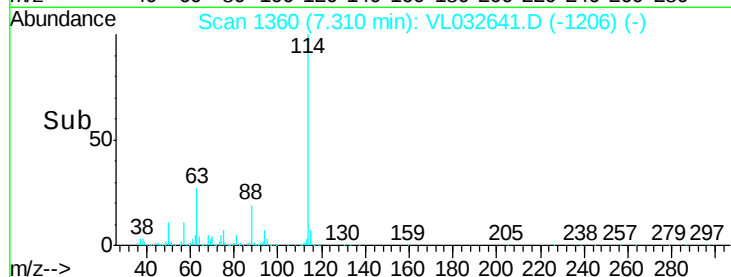
Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0

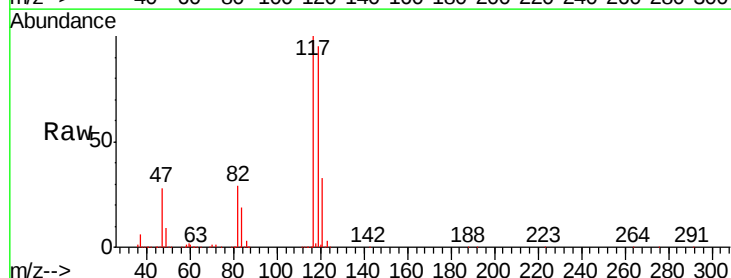


Time--> 7.20 7.25 7.30 7.35 7.40



#35
 Carbon Tetrachloride
 Concen: 7.70 ppbv m
 RT: 7.15 min Scan# 1311
 Delta R.T. -0.00 min
 Lab File: VL032641.D
 Acq: 17 Oct 2018 15:06

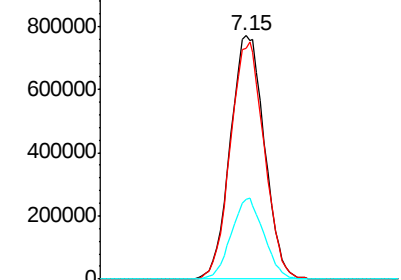
Tgt Ion	Ratio	Lower	Upper
117	100		
119	94.9	75.7	113.5
121	32.7	24.7	37.1



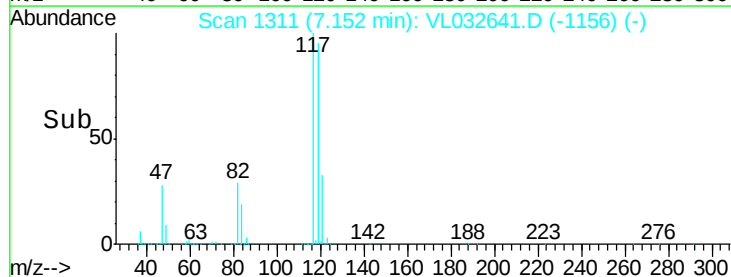
Abundance Ion 117.00 (116.70 to 117.70): V

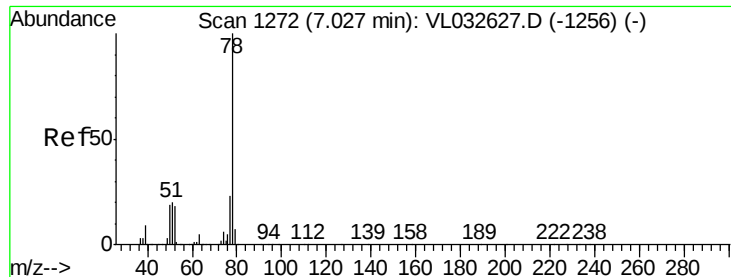
Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



Time--> 7.05 7.10 7.15 7.20 7.25





#36

Benzene

Concen: 0.35 ppbv

RT: 7.02 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VL032641.D

Acq: 17 Oct 2018 15:06

Instrument :

MSVOA_L

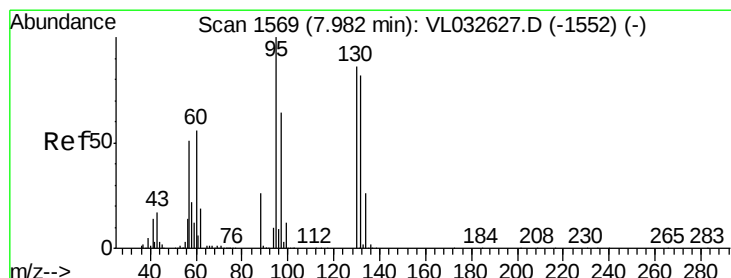
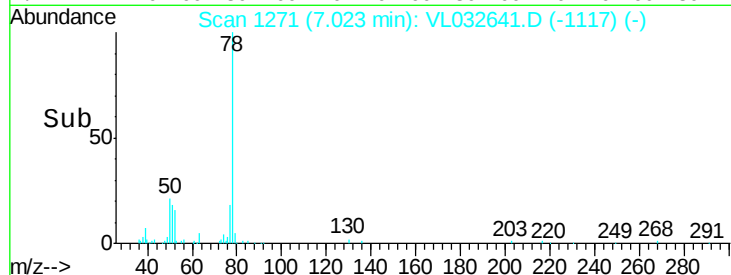
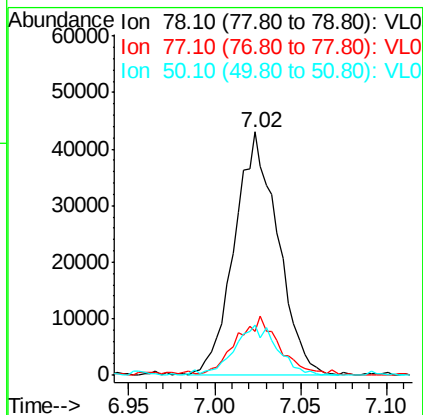
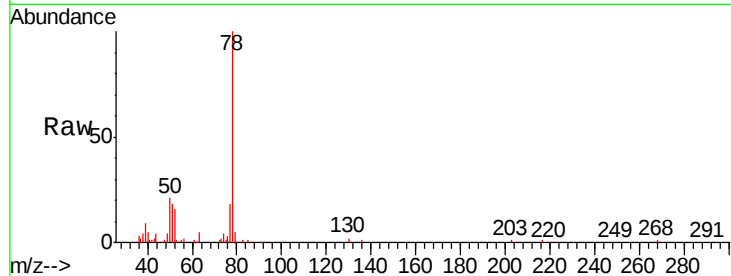
ClientSampleId :

SS04-MIVIDL2

Tgt Ion	Ratio	Lower	Upper
78	100		
77	17.5	18.1	27.1#
50	20.5	15.1	22.7

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#38

Trichloroethene

Concen: 0.23 ppbv m

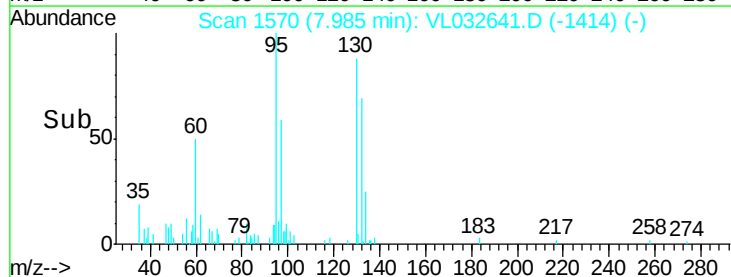
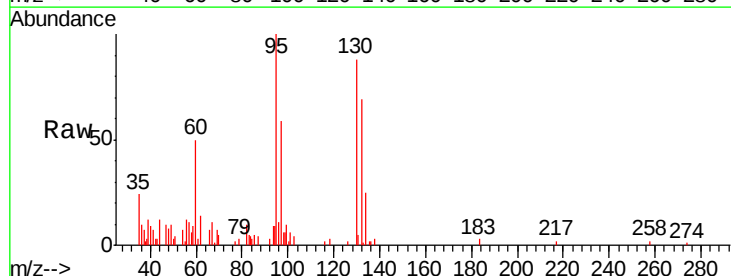
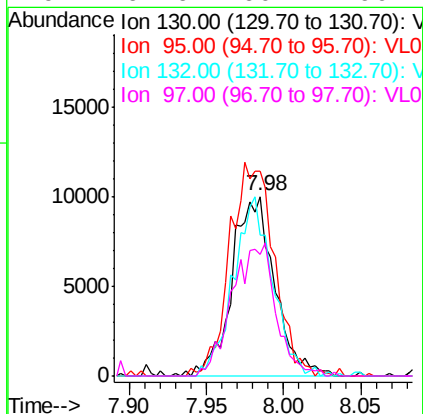
RT: 7.98 min Scan# 1570

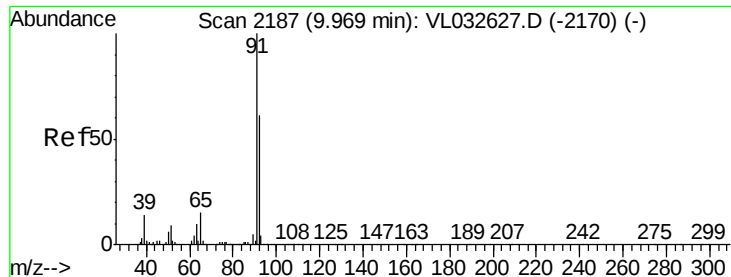
Delta R.T. 0.00 min

Lab File: VL032641.D

Acq: 17 Oct 2018 15:06

Tgt Ion	Ratio	Lower	Upper
130	100		
95	114.2	93.4	140.0
132	78.7	76.5	114.7
97	67.6	60.2	90.2





#53

Toluene

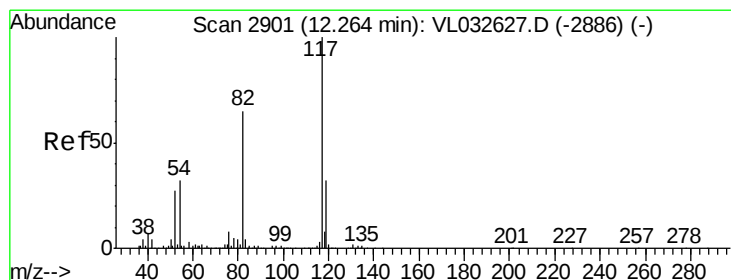
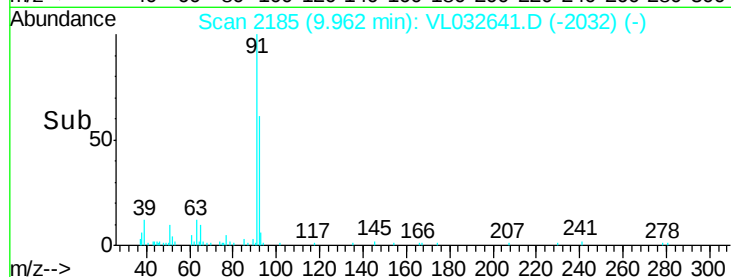
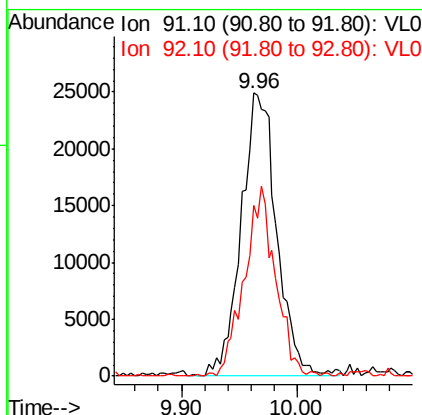
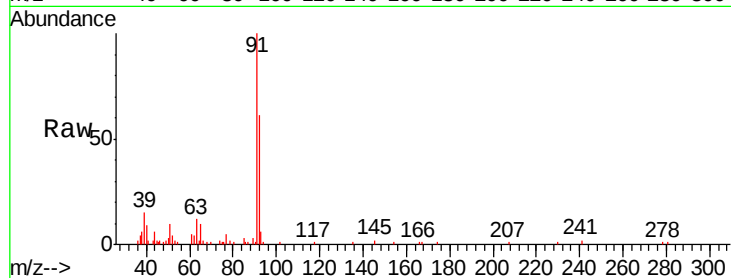
Concen: 0.21 ppbv m
RT: 9.96 min Scan# 2185
Delta R.T. -0.01 min
Lab File: VL032641.D
Acq: 17 Oct 2018 15:06

Instrument :
MSVOA_L
ClientSampleId :
SS04-MIVIDL2

Tgt Ion: 91 Resp: 53109
Ion Ratio Lower Upper
91 100
92 58.7 48.4 72.6

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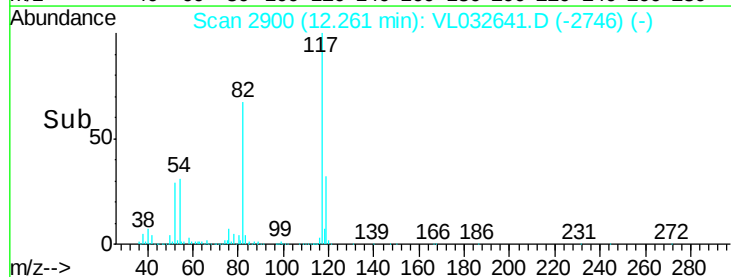
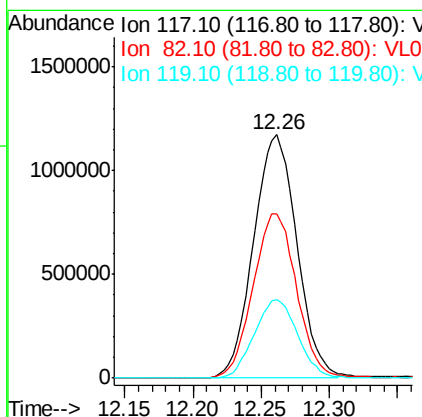
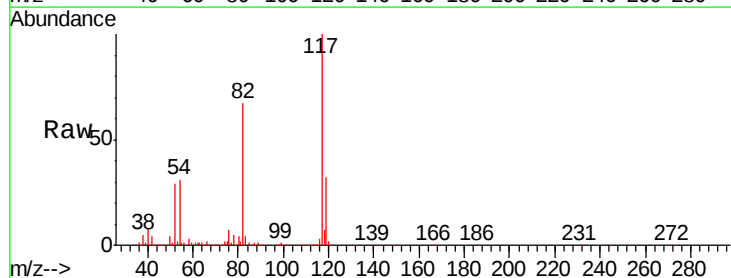


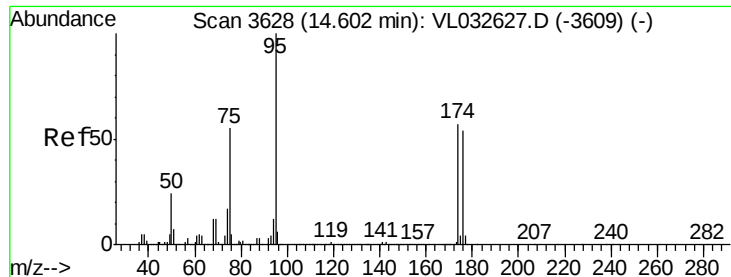
#55

Chlorobenzene-d5

Concen: 10.00 ppbv
RT: 12.26 min Scan# 2900
Delta R.T. -0.00 min
Lab File: VL032641.D
Acq: 17 Oct 2018 15:06

Tgt Ion: 117 Resp: 2587009
Ion Ratio Lower Upper
117 100
82 68.2 52.7 79.1
119 32.7 26.7 40.1





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.24 ppbv
 RT: 14.60 min Scan# 3627
 Delta R.T. -0.00 min
 Lab File: VL032641.D
 Acq: 17 Oct 2018 15:06

Instrument :
 MSVOA_L
 ClientSampleId :
 SS04-MIVIDL2

Tgt Ion: 95 Resp: 1993840
 Ion Ratio Lower Upper
 95 100
 174 57.0 46.0 69.0
 175 4.1 3.4 5.0

Manual Integrations
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