

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL090518\
 Data File : VL032462.D
 Acq On : 5 Sep 2018 18:13
 Operator : SY/AP
 Sample : J4805-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3DL

Manual Integrations
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MMDadoda
 9/7/2018 10:45:57 AM

Quant Time: Sep 07 08:44:36 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug 31

QLast Update : Fri Aug 31 21:33:46 2018

Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.80	49	1737642	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.33	114	3369155	10.00	ppbv	-0.01
55) Chlorobenzene-d5	12.29	117	3295665	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.62	95	2546630	10.41	ppbv	-0.01
Spiked Amount	10.000	Range	65 - 135	Recovery	=	104.10%

Target Compounds

	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.07	41	39794m	0.63	ppbv	
13) Ethanol	3.68	45	120988	6.12	ppbv	99
15) Acetone	3.93	43	758202	4.85	ppbv	91
17) tert-Butyl alcohol	4.40	59	66128	2.75	ppbv #	100
27) Carbon Disulfide	4.66	76	41200	0.27	ppbv #	48
29) Chloroform	5.88	83	45128	0.18	ppbv	87
32) 1,1,1-Trichloroethane	6.66	97	519638	2.21	ppbv	99
34) 2-Butanone	5.37	43	976531	4.36	ppbv	100
36) Benzene	7.04	78	40794	0.14	ppbv	96
38) Trichloroethene	8.00	130	1168797	10.73	ppbv	98
51) 2-Hexanone	10.32	43	148776	0.69	ppbv #	100
52) Tetrachloroethene	11.42	164	22907	0.26	ppbv	96
53) Toluene	9.99	91	87675	0.29	ppbv	97
79) Naphthalene	22.48	128	405009m	1.21	ppbv	
80) Naphthalene,2-methyl-	25.16	142	54227	0.61	ppbv	95

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

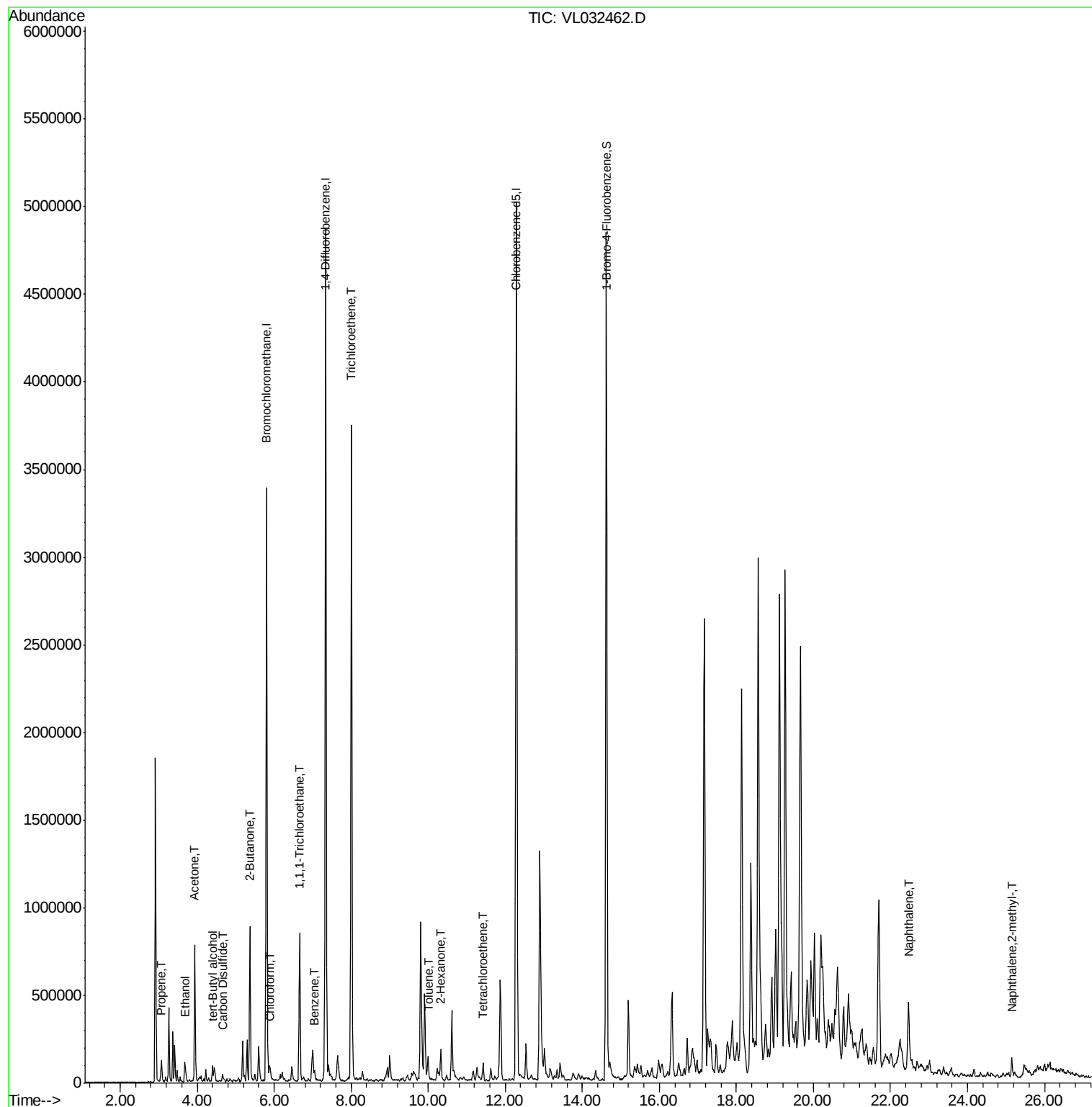
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL090518\
Data File : VL032462.D
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Operator : SY/AP
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Manual Integrations
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL083118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Aug
QLast Update : Fri Aug 31 21:33:46 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.80 min Scan# 1466

Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Instrument :

MSVOA_L

ClientSampled :

VP-3DL

Tot Ion: 49 Resp: 1737642

Ion Ratio Lower Upper

49 100

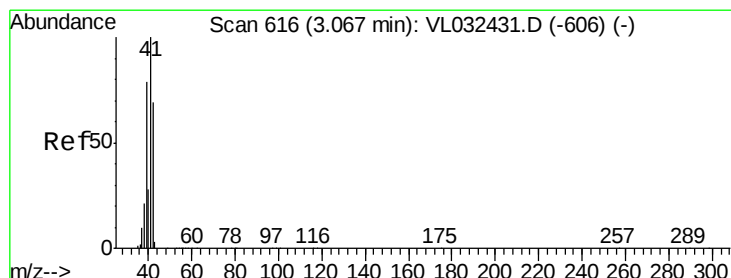
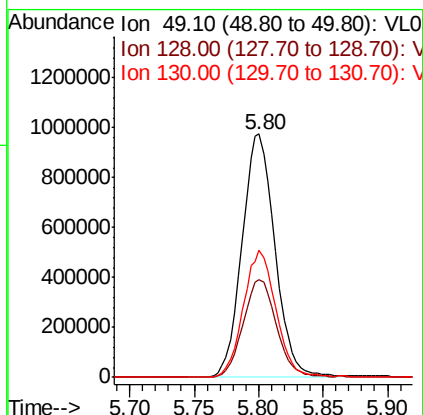
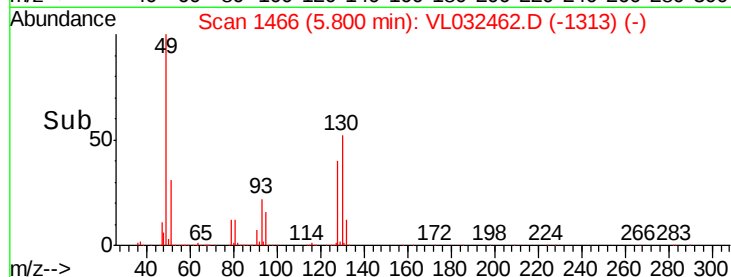
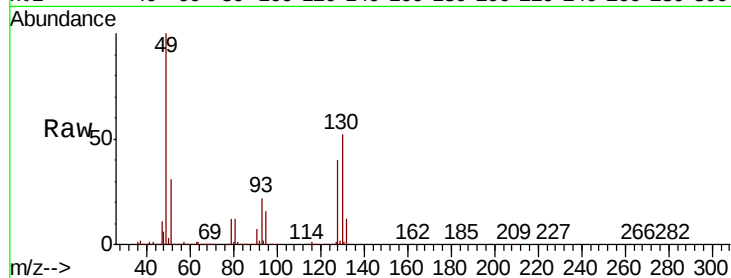
128 41.0 20.7 62.1

130 52.3 26.6 79.7

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#9

Propene

Concen: 0.63 ppbv m

RT: 3.07 min Scan# 617

Delta R.T. 0.00 min

Lab File: VL032462.D

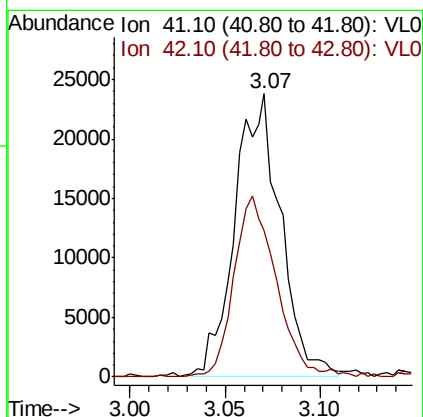
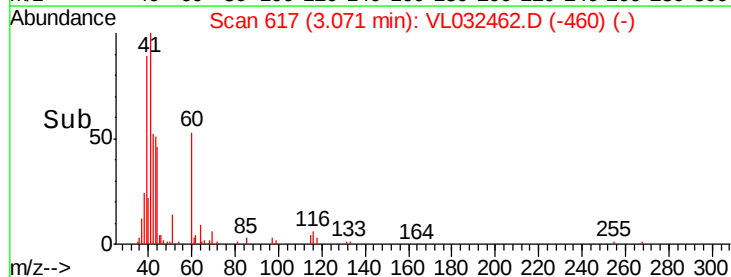
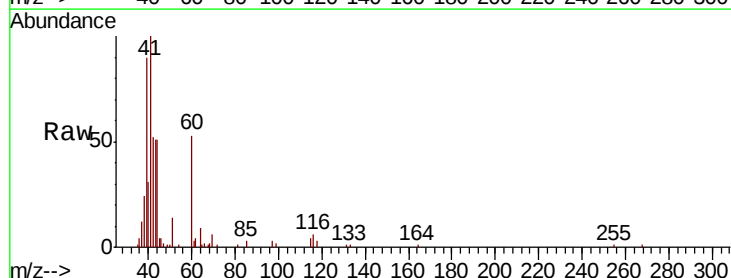
Acq: 5 Sep 2018 18:13

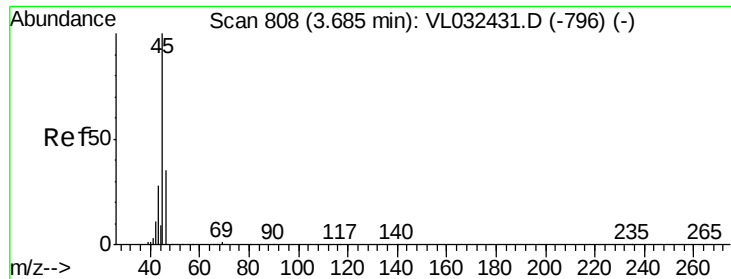
Tgt Ion: 41 Resp: 39794

Ion Ratio Lower Upper

41 100

42 59.1 56.6 84.8





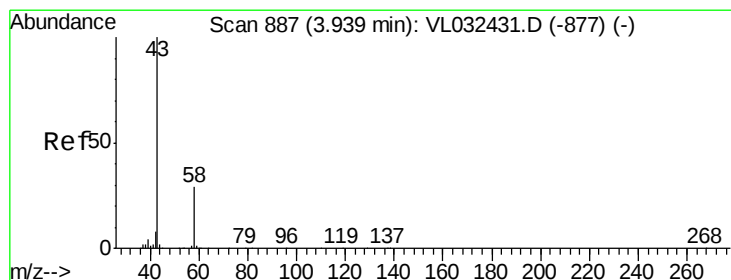
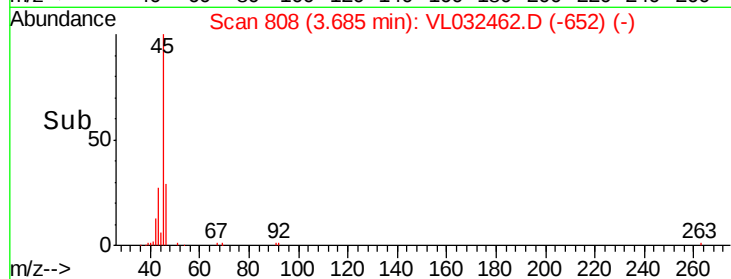
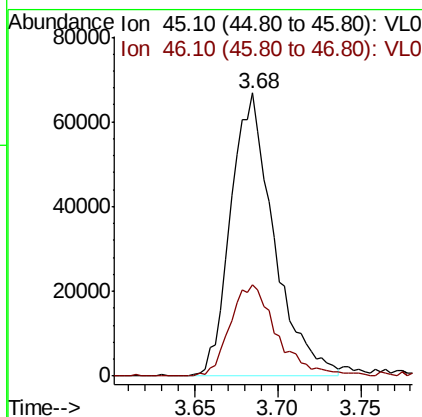
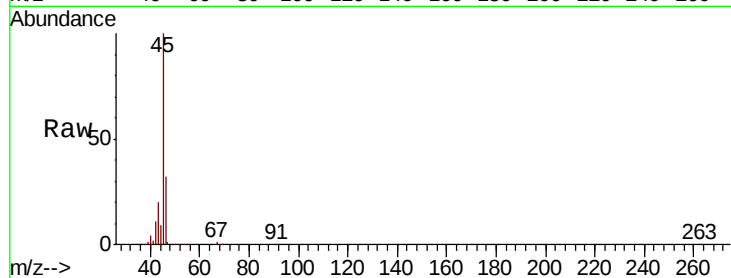
#13
Ethanol
Concen: 6.12 ppbv
RT: 3.68 min Scan# 808
Delta R.T. 0.00 min
Lab File: VL032462.D
Acq: 5 Sep 2018 18:13

Instrument :
MSVOA_L
ClientSampleId :
VP-3DL

Tot Ion	45	Resp	120988
Ion Ratio	100	Lower	Upper
45	100		
46	36.1	14.2	56.8

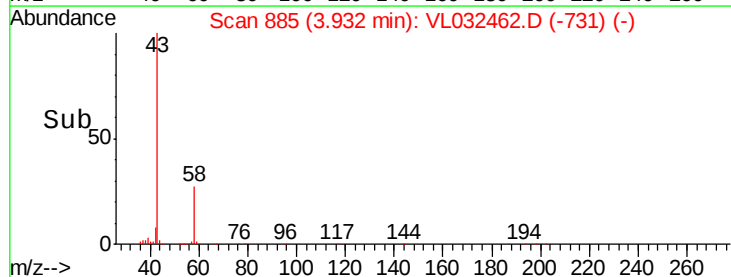
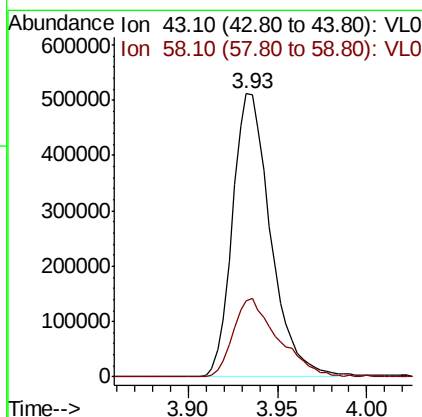
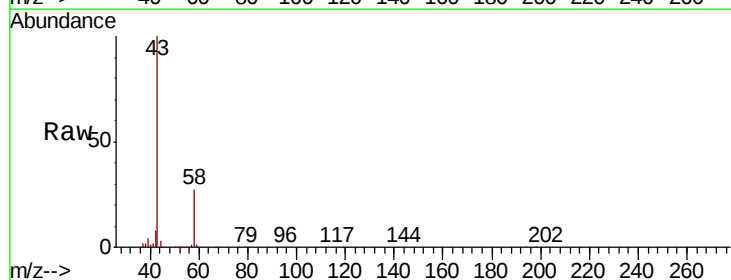
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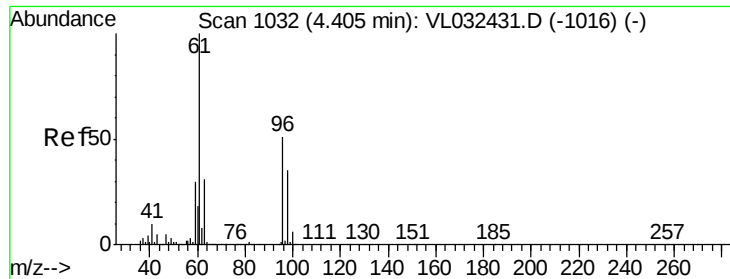
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#15
Acetone
Concen: 4.85 ppbv
RT: 3.93 min Scan# 885
Delta R.T. -0.01 min
Lab File: VL032462.D
Acq: 5 Sep 2018 18:13

Tgt Ion	43	Resp	758202
Ion Ratio	100	Lower	Upper
43	100		
58	33.0	22.6	33.8





#17

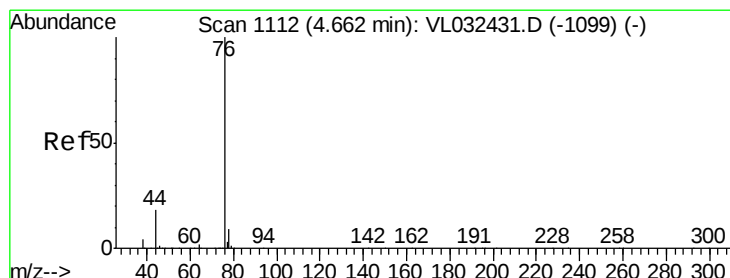
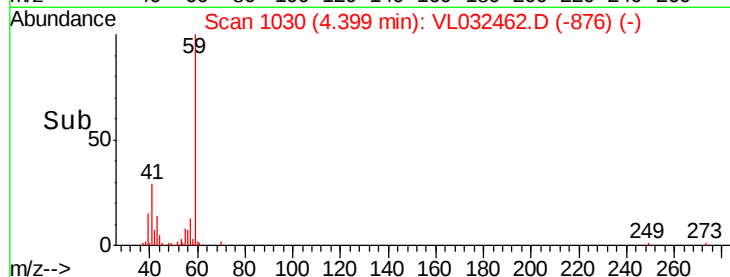
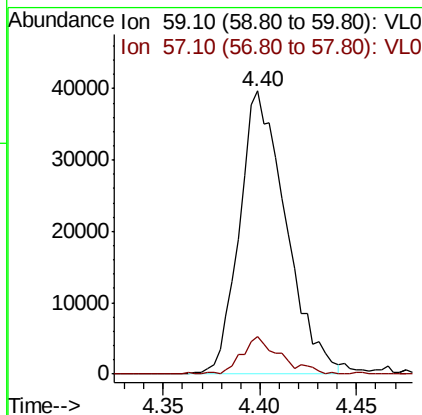
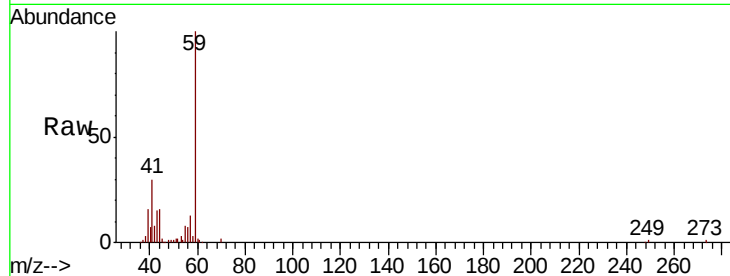
tert-Butyl alcohol
 Concen: 2.75 ppbv
 RT: 4.40 min Scan# 1030
 Delta R.T. -0.01 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3DL

Tot Ion	59	Resp	66128
Ion	Ratio	Lower	Upper
59	100		
57	11.3	0.0	0.0#

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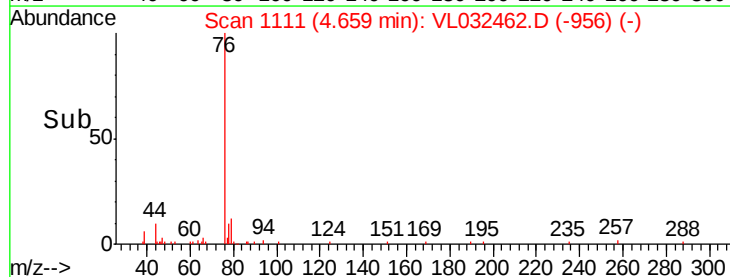
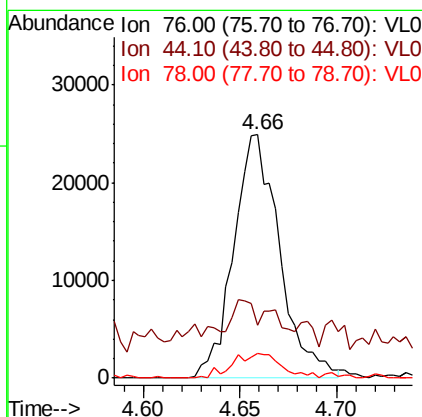
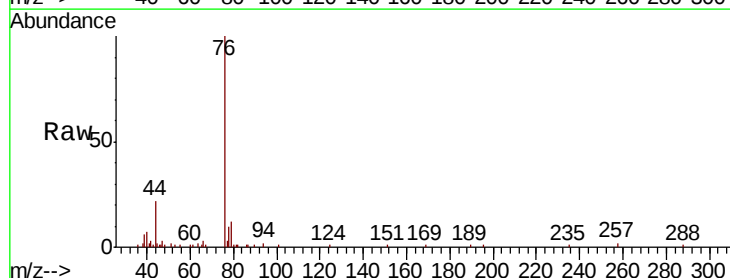
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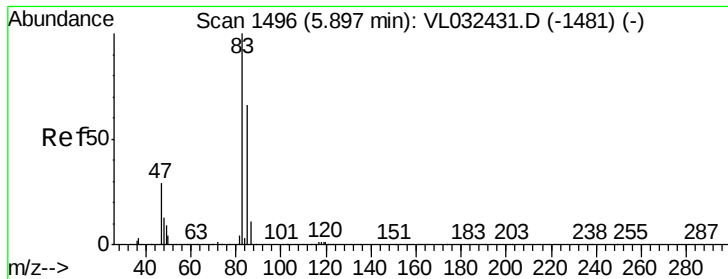


#27

Carbon Disulfide
 Concen: 0.27 ppbv
 RT: 4.66 min Scan# 1111
 Delta R.T. -0.00 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Tgt Ion	76	Resp	41200
Ion	Ratio	Lower	Upper
76	100		
44	51.0	14.0	21.0#
78	11.9	7.5	11.3#





#29

Chloroform

Concen: 0.18 ppbv

RT: 5.88 min Scan# 1492

Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Instrument :

MSVOA_L

ClientSampleId :

VP-3DL

Tot Ion: 83 Resp: 45128

Ion Ratio Lower Upper

83 100

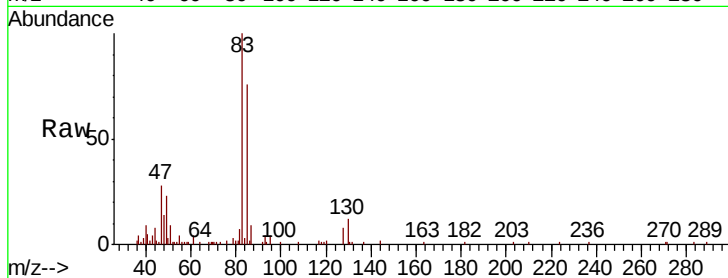
85 75.8 52.5 78.7

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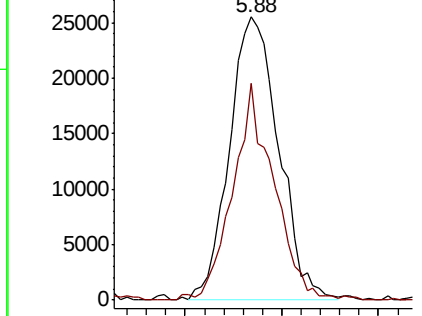
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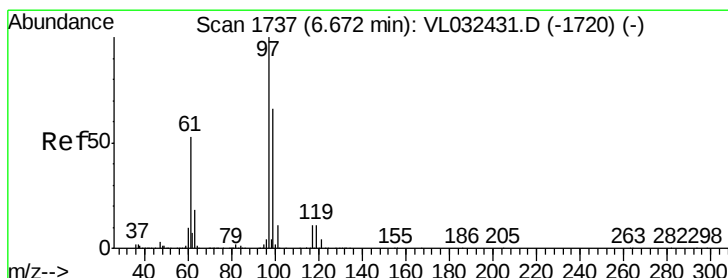
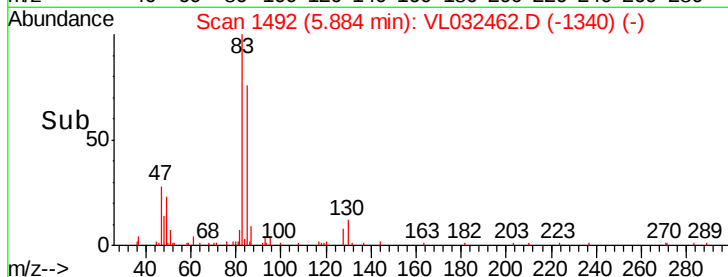


Abundance Ion 83.00 (82.70 to 83.70): VL0

Ion 85.00 (84.70 to 85.70): VL0



Time-->



#32

1,1,1-Trichloroethane

Concen: 2.21 ppbv

RT: 6.66 min Scan# 1733

Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

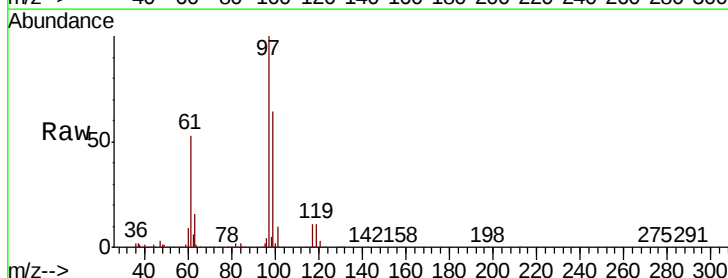
Tgt Ion: 97 Resp: 519638

Ion Ratio Lower Upper

97 100

99 64.5 52.1 78.1

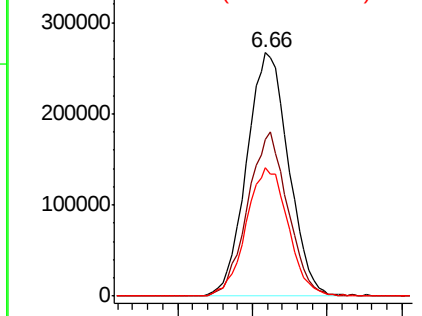
61 52.7 42.5 63.7



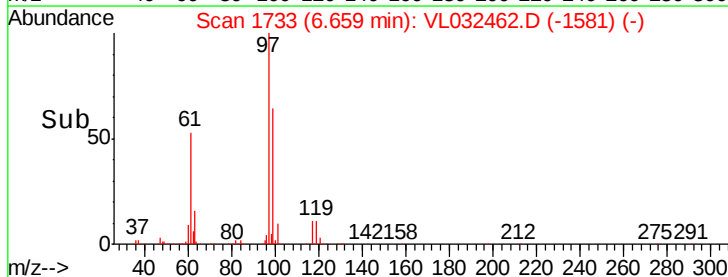
Abundance Ion 97.00 (96.70 to 97.70): VL0

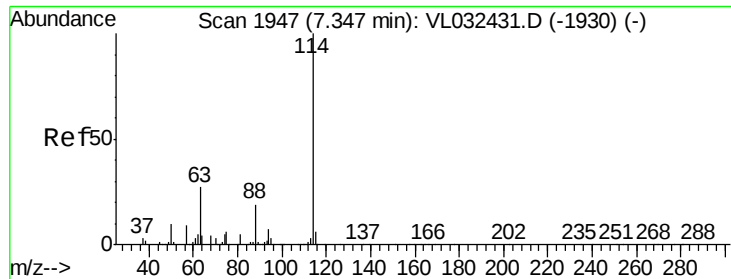
Ion 99.00 (98.70 to 99.70): VL0

Ion 61.10 (60.80 to 61.80): VL0



Time-->





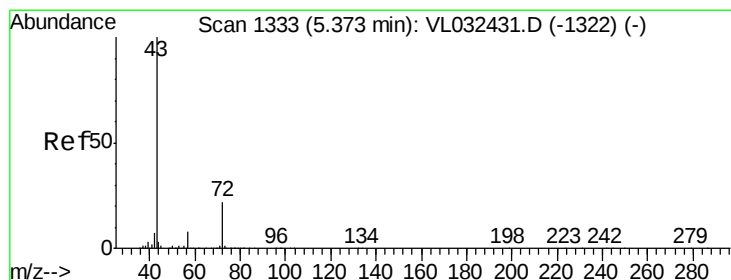
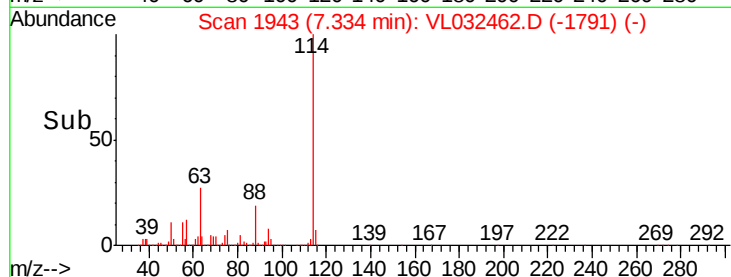
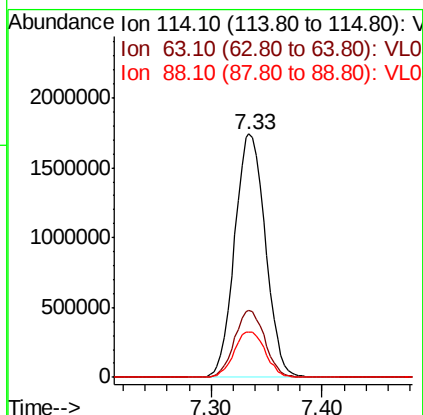
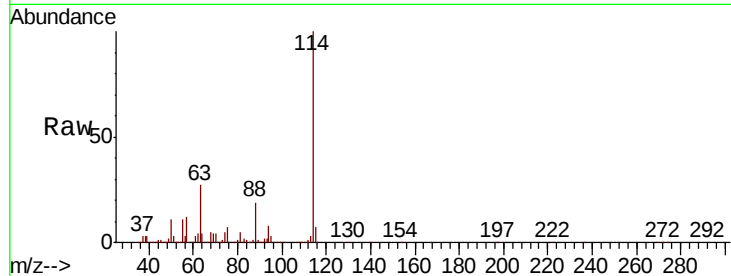
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.33 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	27.1	22.2	33.4
88	19.1	15.0	22.4

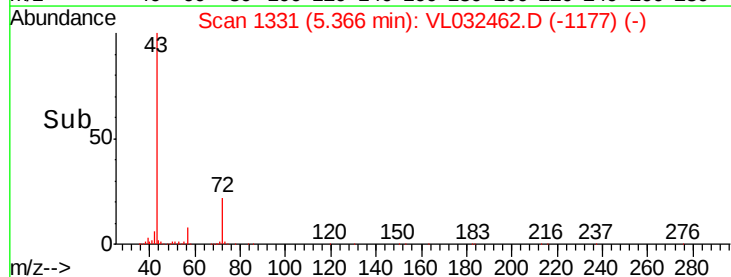
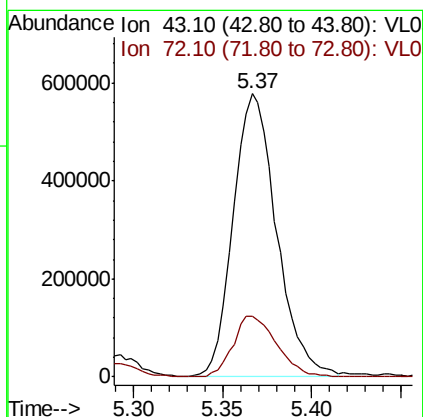
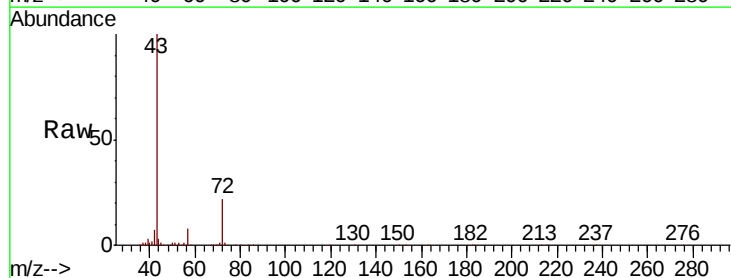
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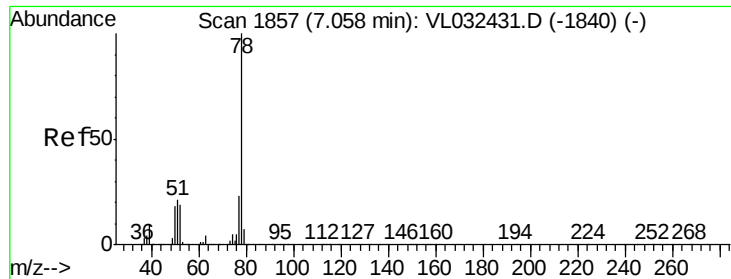
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#34
 2-Butanone
 Concen: 4.36 ppbv
 RT: 5.37 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
43	100		
72	22.0	17.8	26.6





#36

Benzene

Concen: 0.14 ppbv

RT: 7.04 min Scan# 1853

Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Instrument :

MSVOA_L

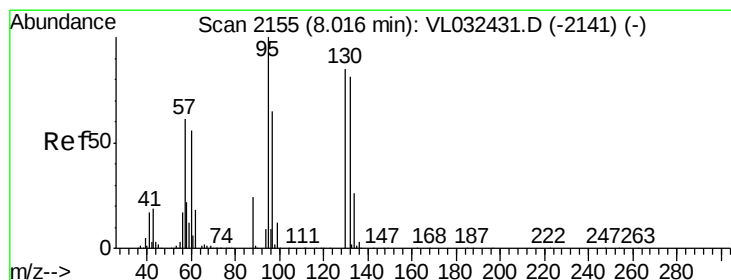
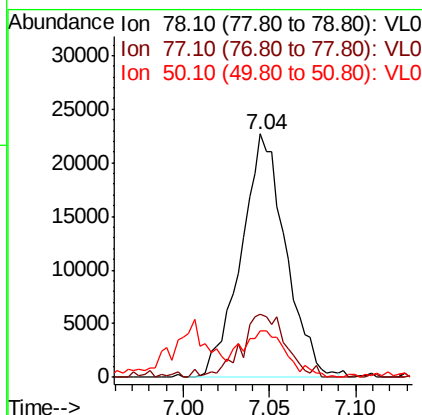
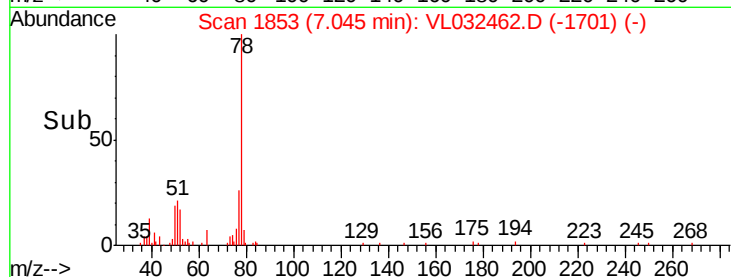
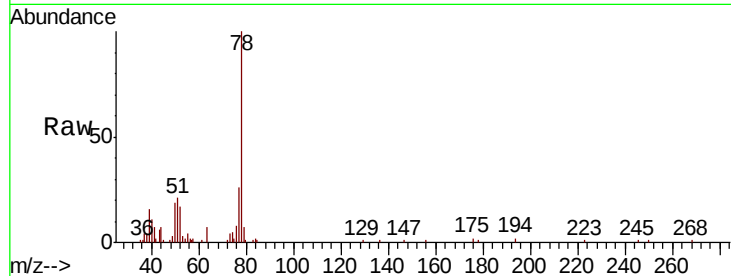
ClientSampleId :

VP-3DL

Tot Ion:	78	Resp:	40794
Ion	Ratio	Lower	Upper
78	100		
77	25.8	18.4	27.6
50	19.1	14.4	21.6

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#38

Trichloroethene

Concen: 10.73 ppbv

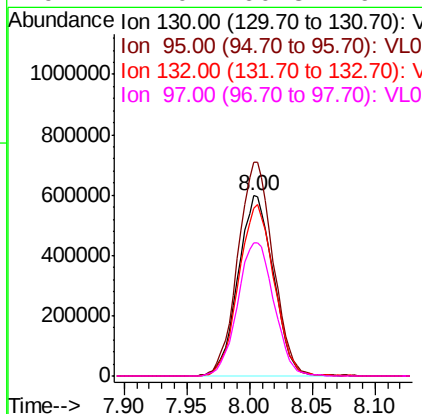
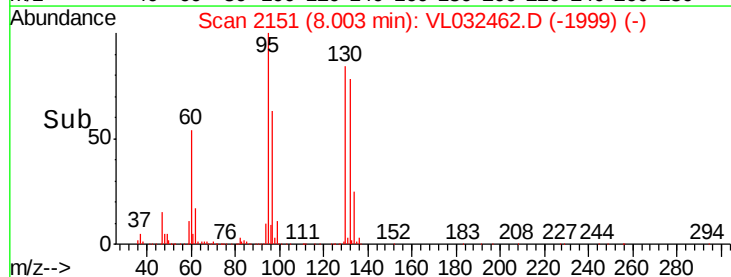
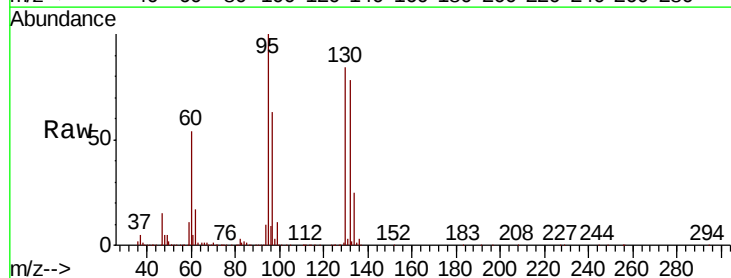
RT: 8.00 min Scan# 2151

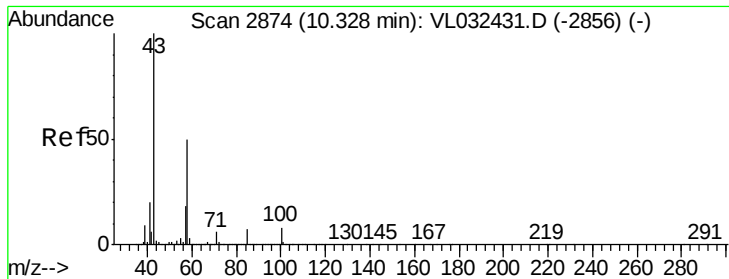
Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Tgt Ion:	130	Resp:	1168797
Ion	Ratio	Lower	Upper
130	100		
95	118.3	94.2	141.4
132	92.9	76.2	114.4
97	74.0	60.8	91.2





#51

2-Hexanone

Concen: 0.69 ppbv

RT: 10.32 min Scan# 2873

Delta R.T. -0.00 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Instrument :

MSVOA_L

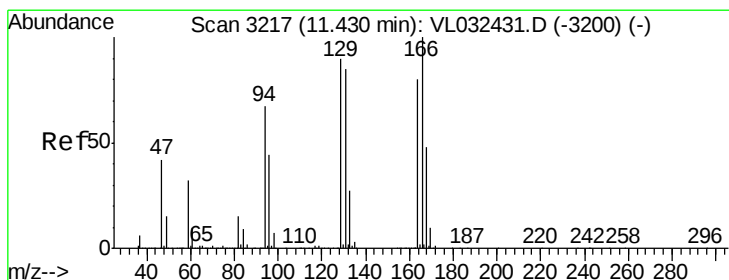
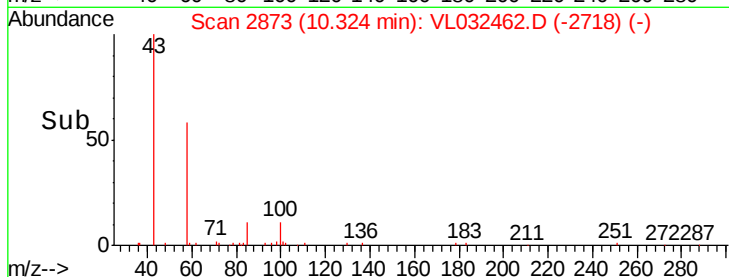
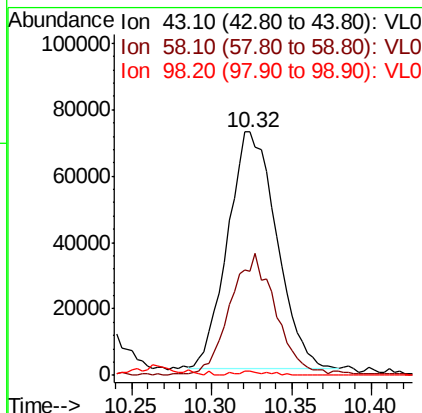
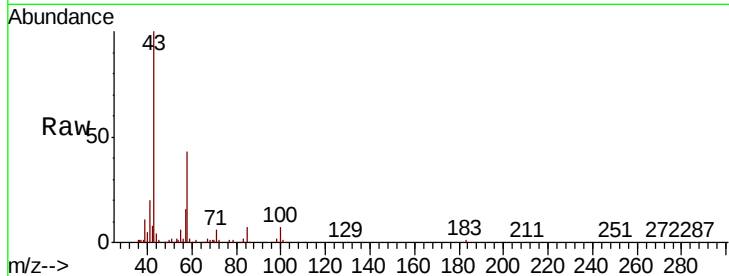
ClientSampled :

VP-3DL

Tot Ion:	43	Resp:	148776
Ion Ratio	Lower	Upper	
43	100		
58	49.1	39.2	58.8
98	1.2	0.4	0.6#

Manual Integrations
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#52

Tetrachloroethene

Concen: 0.26 ppbv

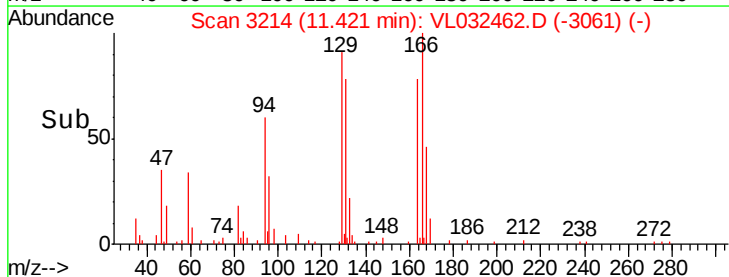
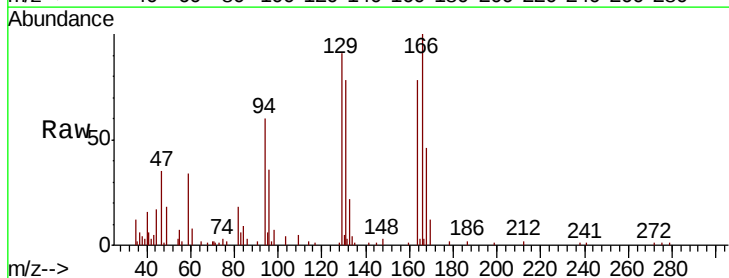
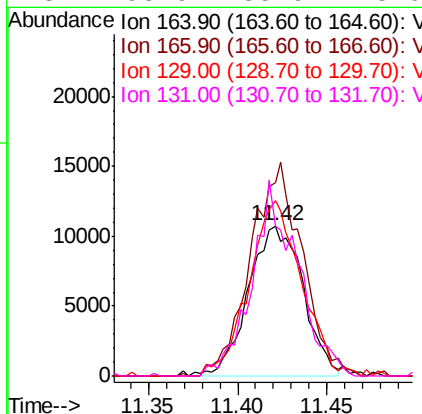
RT: 11.42 min Scan# 3214

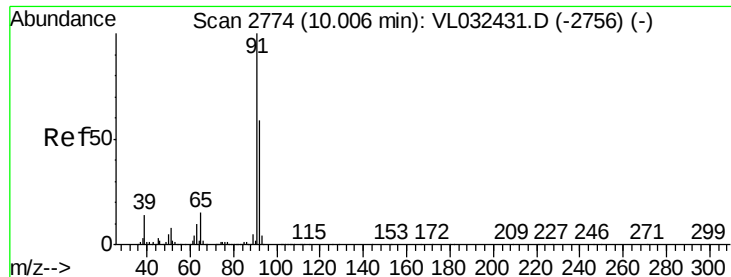
Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Tgt Ion:	164	Resp:	22907
Ion Ratio	Lower	Upper	
164	100		
166	123.8	100.6	150.8
129	112.3	89.9	134.9
131	95.9	85.9	128.9





#53

Toluene

Concen: 0.29 ppbv

RT: 9.99 min Scan# 2770

Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

Instrument :

MSVOA_L

ClientSampled :

VP-3DL

Tot Ion: 91 Resp: 87675

Ion Ratio Lower Upper

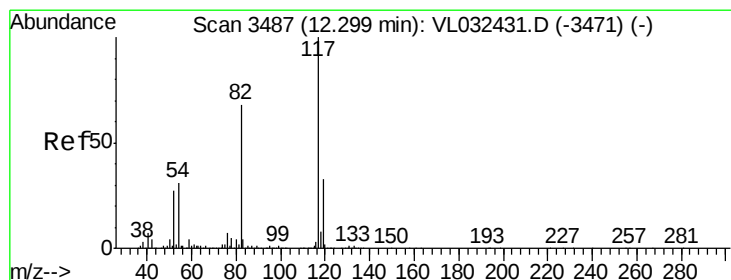
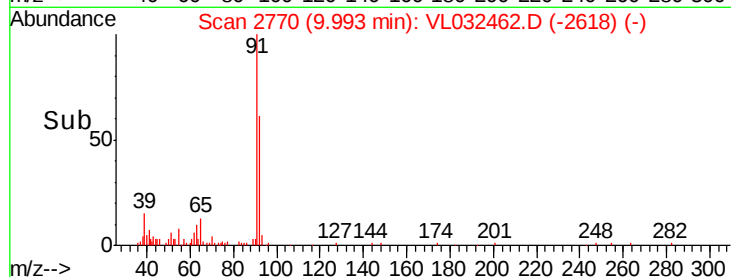
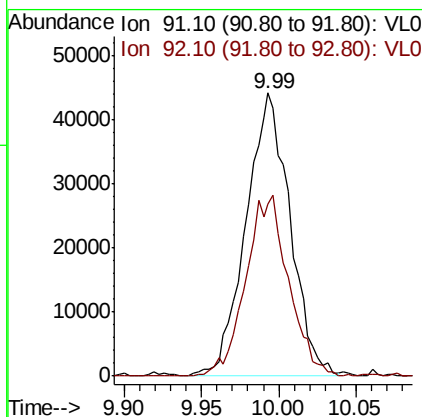
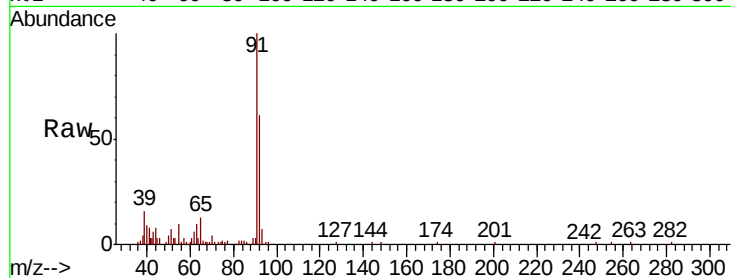
91 100

92 62.2 48.1 72.1

Manual Integrations
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#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.29 min Scan# 3484

Delta R.T. -0.01 min

Lab File: VL032462.D

Acq: 5 Sep 2018 18:13

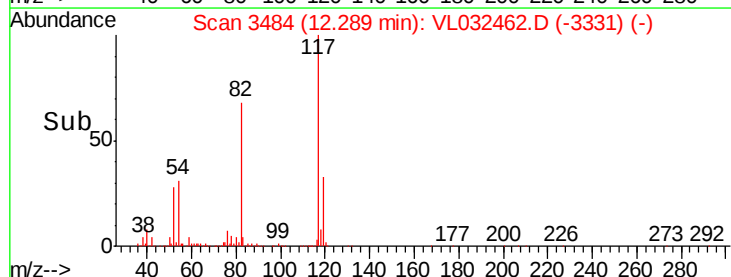
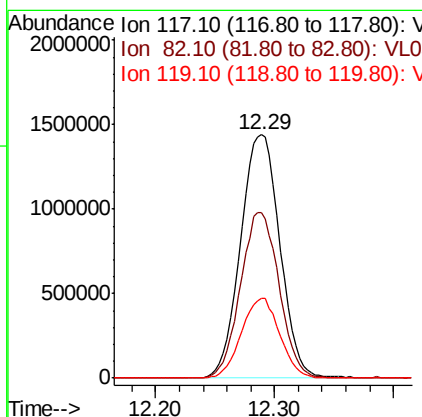
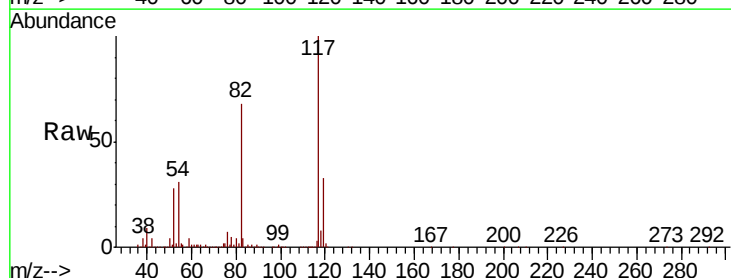
Tgt Ion: 117 Resp: 3295665

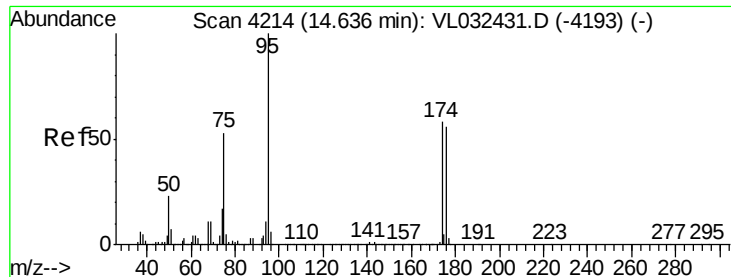
Ion Ratio Lower Upper

117 100

82 67.1 53.0 79.6

119 32.1 45.9 68.9#





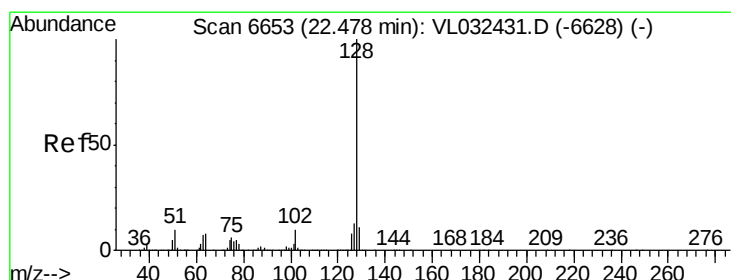
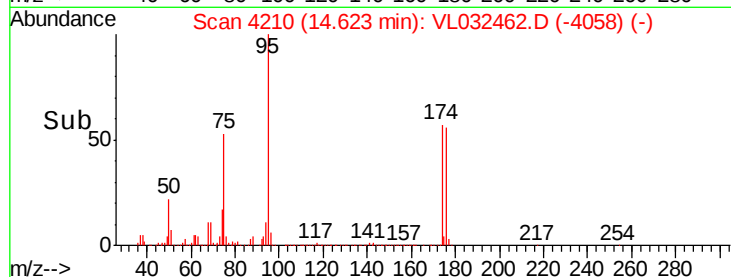
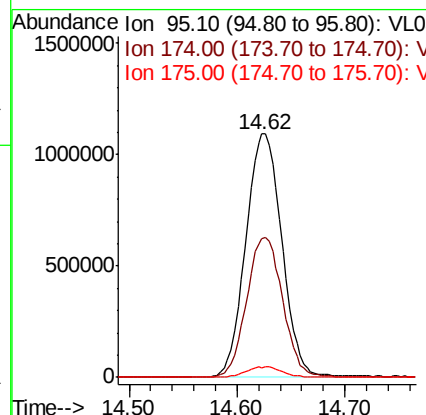
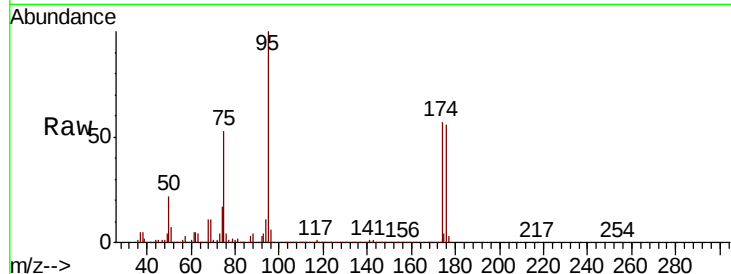
#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.41 ppbv
 RT: 14.62 min Scan# 4210
 Delta R.T. -0.01 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Instrument :
 MSVOA_L
 ClientSampled :
 VP-3DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	57.8	46.3	69.5
175	4.2	3.4	5.0

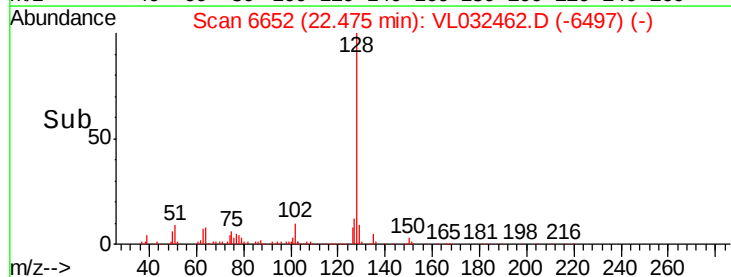
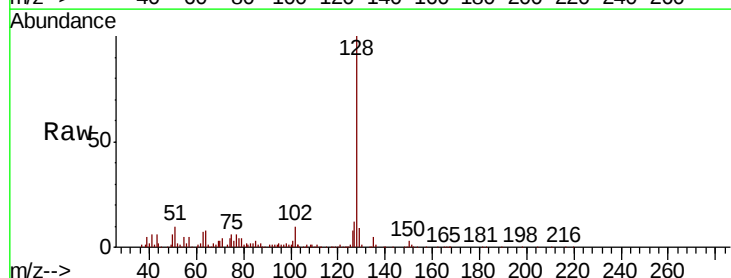
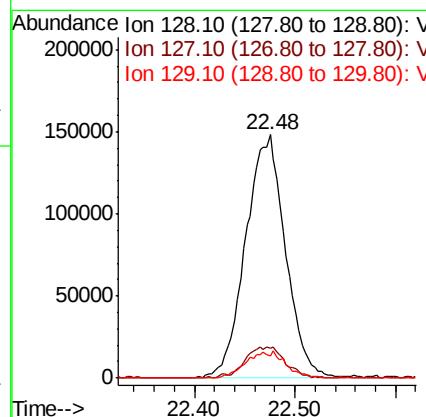
Manual Integrations
 APPROVED

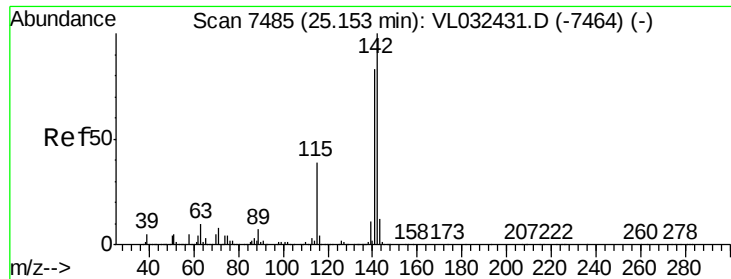
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 9/7/2018 10:45:57 AM



#79
 Naphthalene
 Concen: 1.21 ppbv m
 RT: 22.48 min Scan# 6652
 Delta R.T. -0.00 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.1	10.2	15.2
129	9.2	8.5	12.7





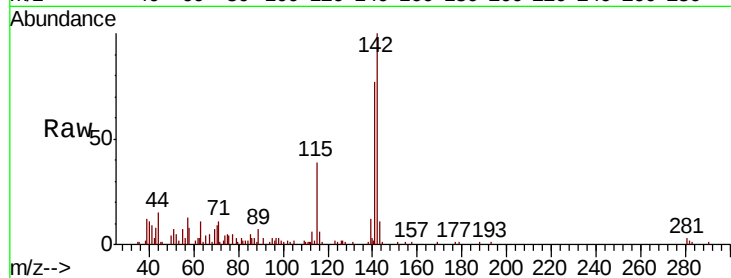
#80
 Naphthalene, 2-methyl-
 Concen: 0.61 ppbv
 RT: 25.16 min Scan# 7486
 Delta R.T. 0.00 min
 Lab File: VL032462.D
 Acq: 5 Sep 2018 18:13

Instrument :
 MSVOA_L
 ClientSampleId :
 VP-3DL

Tot Ion	Ratio	Lower	Upper
142	100		
141	86.8	67.0	100.6
115	43.7	31.3	46.9

Manual Integrations
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MMDadoda
 9/7/2018 10:45:57 AM



Abundance

Ion 142.00 (141.70 to 142.70): V

Ion 141.00 (140.70 to 141.70): V

Ion 115.00 (114.70 to 115.70): V

