

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
 Data File : VL031276.D
 Acq On : 20 Dec 2017 19:05
 Operator : SY/AP
 Sample : I7005-02DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1DL

Manual Integrations
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Quant Time: Dec 22 04:37:07 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA_L Thu Dec 14 2017
 QLast Update : Thu Dec 14 04:29:58 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.91	49	1698174	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	3746741	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	3823713	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	2972357	10.93	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	109.30%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.14	41	74642	0.79	ppbv	99
13) Ethanol	3.78	45	26568m	0.97	ppbv	
15) Acetone	4.03	43	346564	1.55	ppbv #	69
34) 2-Butanone	5.48	43	1007147	3.81	ppbv	99
51) 2-Hexanone	10.47	43	67944m	0.22	ppbv	
52) Tetrachloroethene	11.55	164	92367	0.63	ppbv	92
53) Toluene	10.11	91	931535	2.16	ppbv	97

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

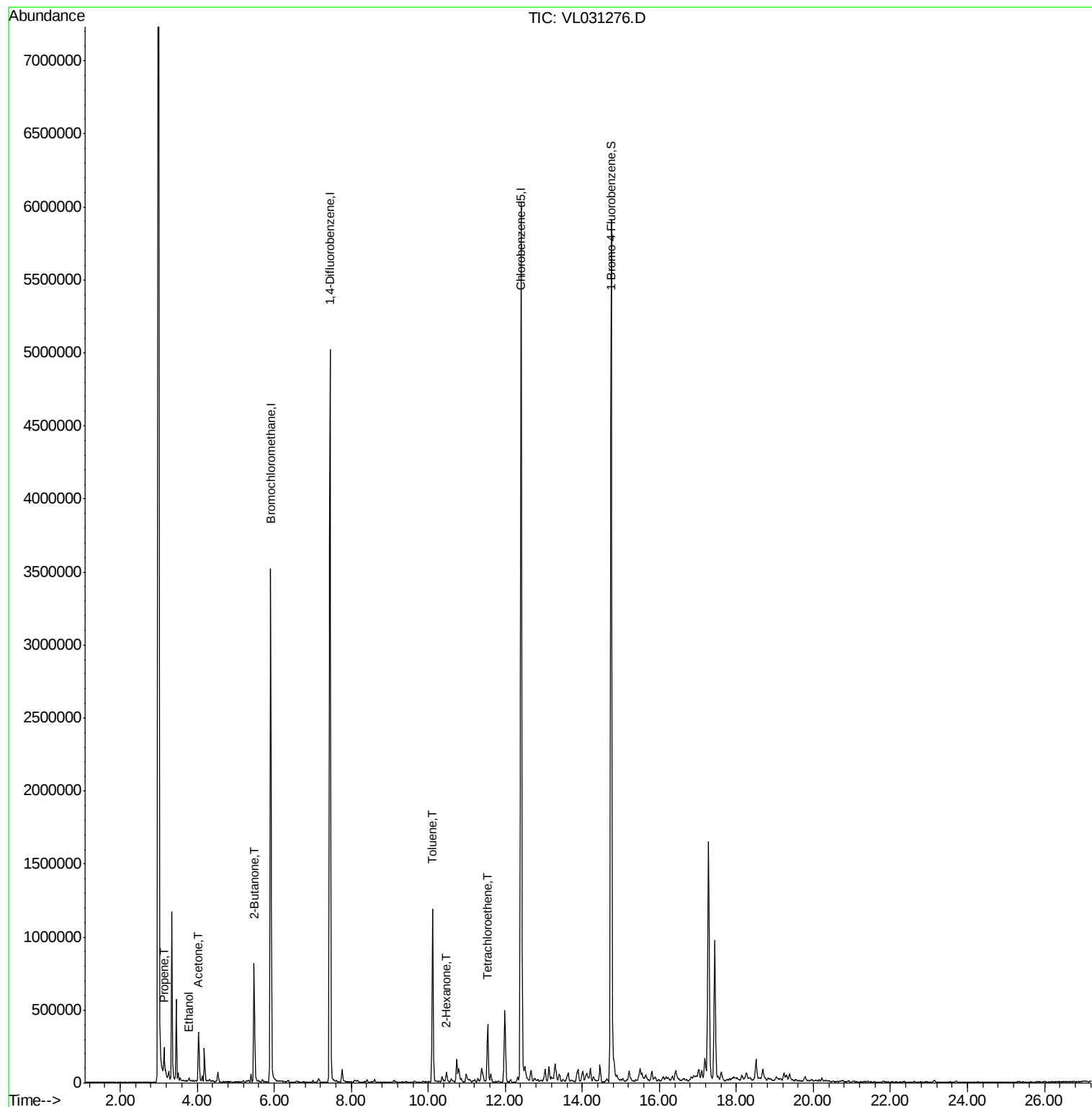
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL122017\
Data File : VL031276.D
Acq On : 20 Dec 2017 19:05
Operator : SY/AP
Sample : I7005-02DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

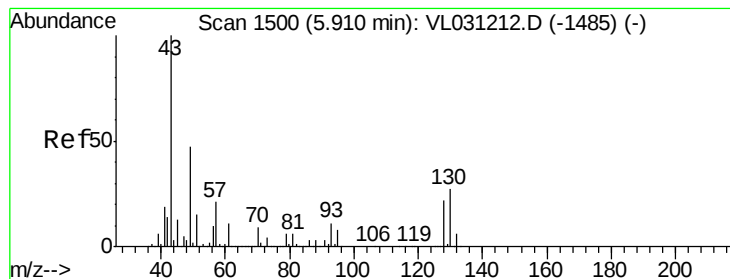
Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Manual Integrations
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Quant Time: Dec 22 04:37:07 2017
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Thu Dec
QLast Update : Thu Dec 14 04:29:58 2017
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.91 min Scan# 1500

Delta R.T. 0.00 min

Lab File: VL031276.D

Acq: 20 Dec 2017 19:05

Instrument :

MSVOA_L

ClientSampleId :

EP1-SV-1DL

Tot Ion: 49 Resp: 1698174

Ion Ratio Lower Upper

49 100

128 47.0 23.2 69.5

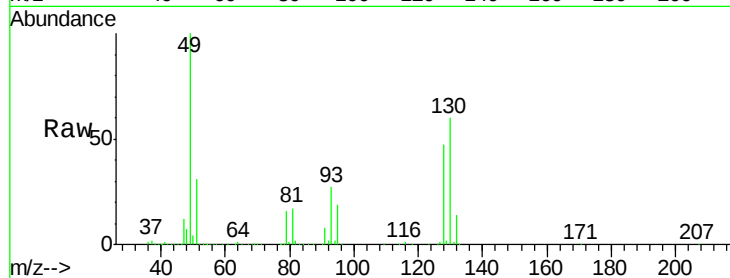
130 60.0 29.6 88.8

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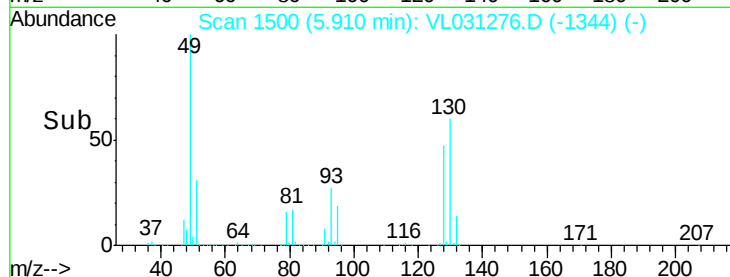


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.91

800000

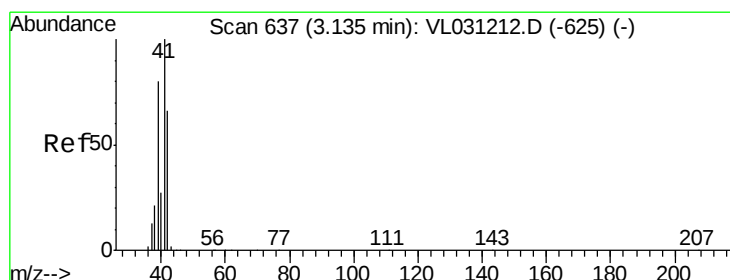
600000

400000

200000

0

5.85 5.90 5.95 6.00



#9

Propene

Concen: 0.79 ppbv

RT: 3.14 min Scan# 638

Delta R.T. 0.00 min

Lab File: VL031276.D

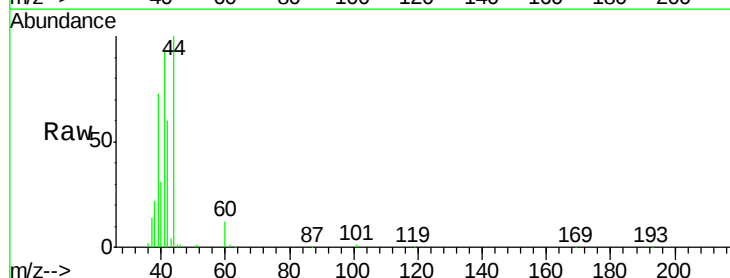
Acq: 20 Dec 2017 19:05

Tgt Ion: 41 Resp: 74642

Ion Ratio Lower Upper

41 100

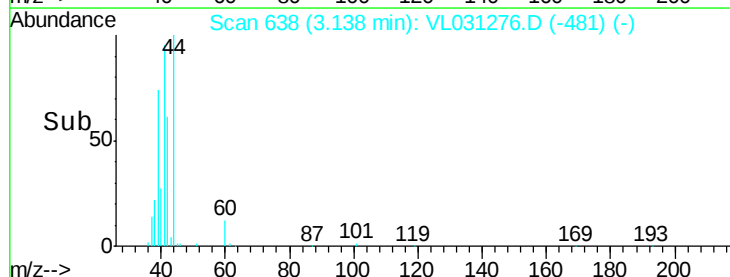
42 67.3 54.3 81.5



Abundance Ion 41.10 (40.80 to 41.80): VL0

Ion 42.10 (41.80 to 42.80): VL0

Time-->



60000

50000

40000

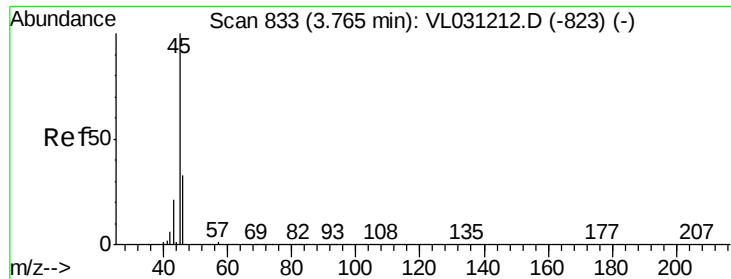
30000

20000

10000

0

3.10 3.15 3.20



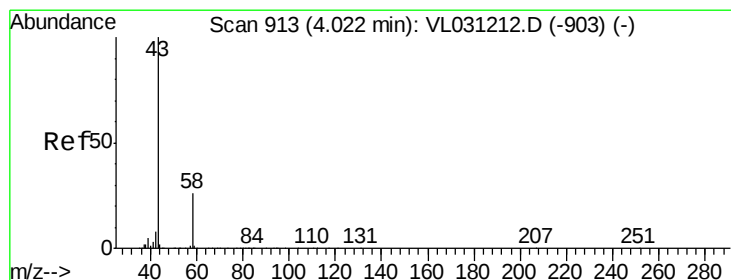
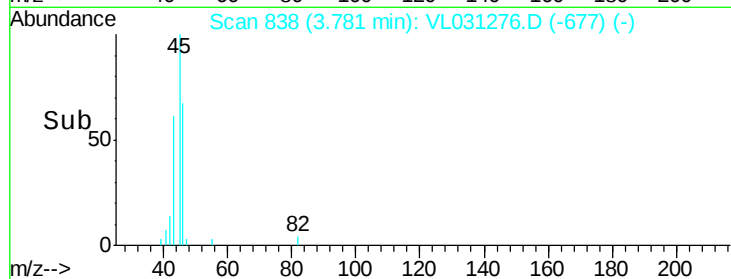
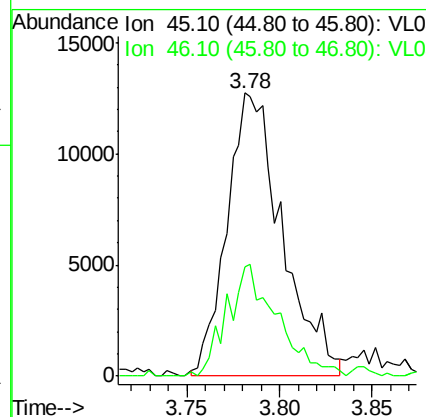
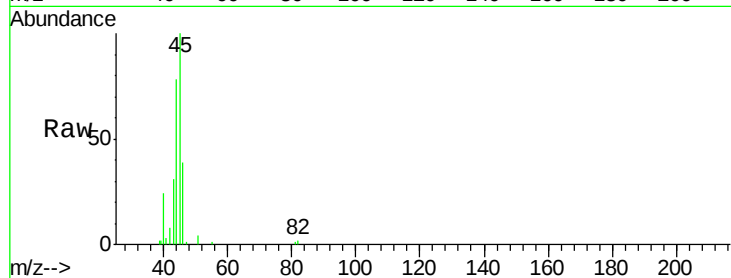
#13
Ethanol
Concen: 0.97 ppbv m
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampled :
EP1-SV-1DL

Tot Ion	45	46	Ratio	Lower	Upper
26568	100	37.2		14.6	58.4

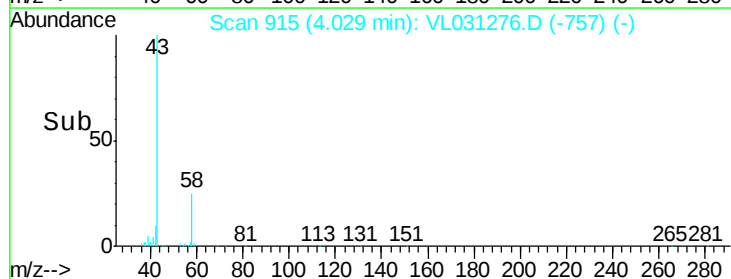
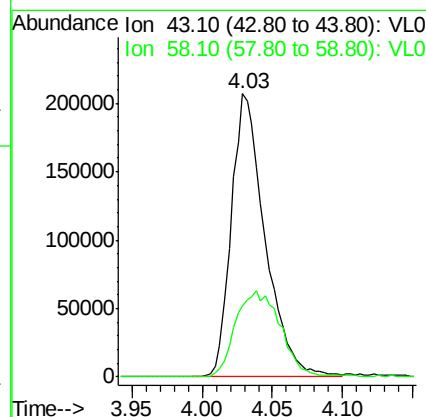
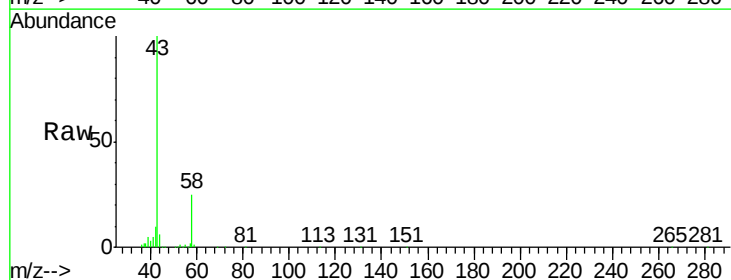
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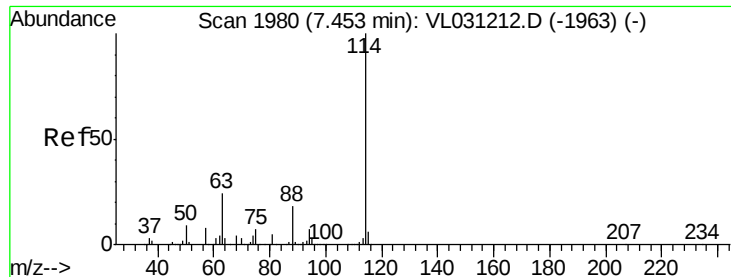
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#15
Acetone
Concen: 1.55 ppbv
RT: 4.03 min Scan# 915
Delta R.T. 0.01 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion	43	58	Ratio	Lower	Upper
346564	100	40.8		20.3	30.5#





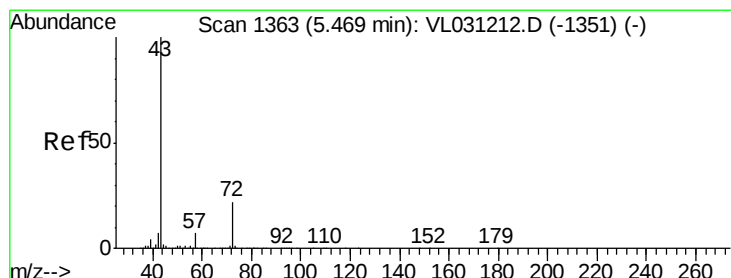
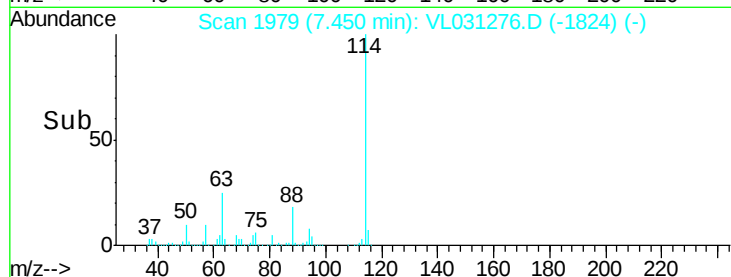
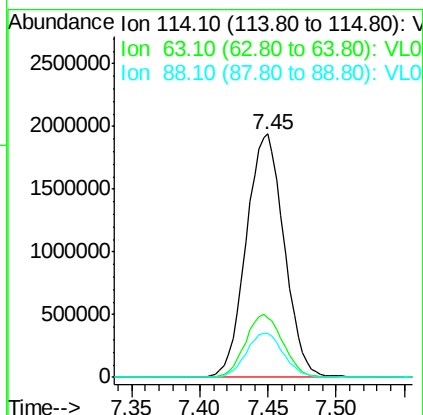
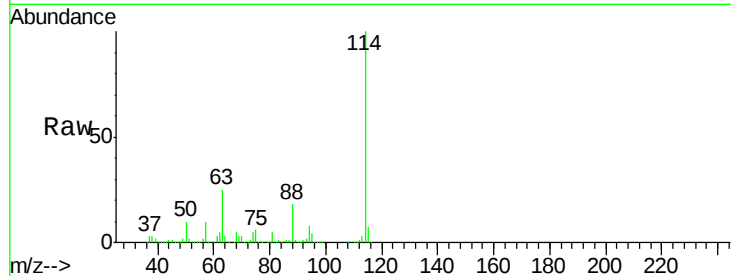
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1979
 Delta R.T. -0.00 min
 Lab File: VL031276.D
 Acq: 20 Dec 2017 19:05

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1DL

Tot Ion	Ratio	Lower	Upper
114	100		
63	25.8	19.8	29.8
88	17.9	14.2	21.4

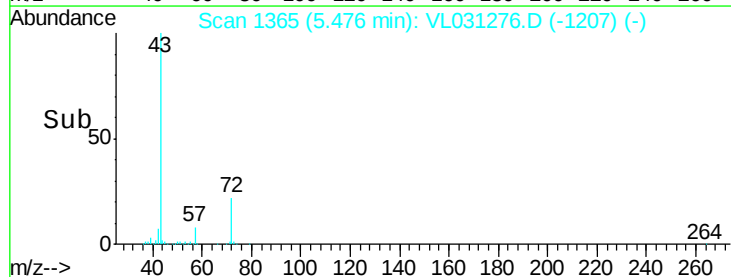
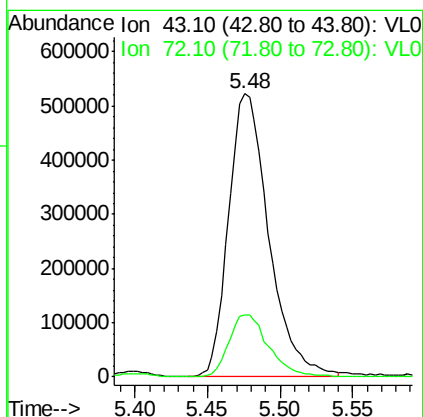
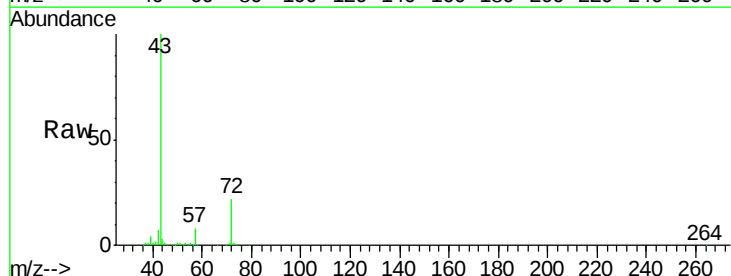
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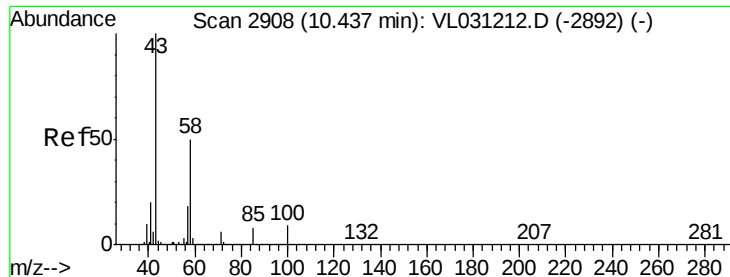
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#34
 2-Butanone
 Concen: 3.81 ppbv
 RT: 5.48 min Scan# 1365
 Delta R.T. 0.01 min
 Lab File: VL031276.D
 Acq: 20 Dec 2017 19:05

Tgt Ion	Ratio	Lower	Upper
43	100		
72	21.9	18.1	27.1





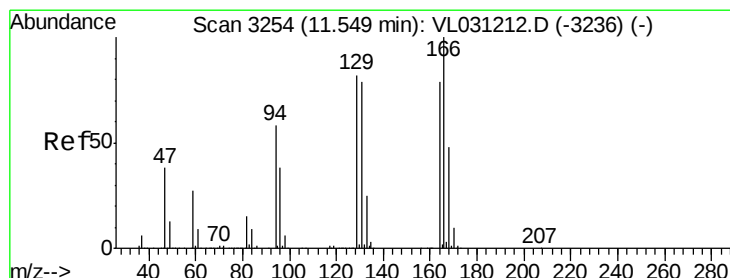
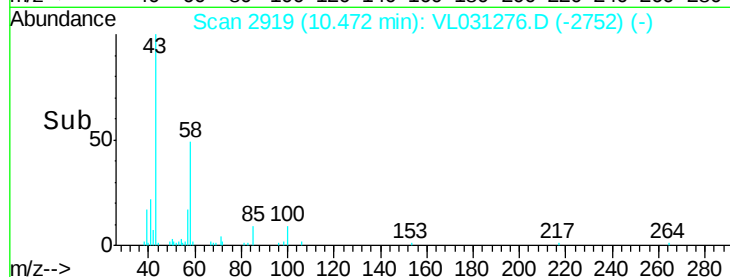
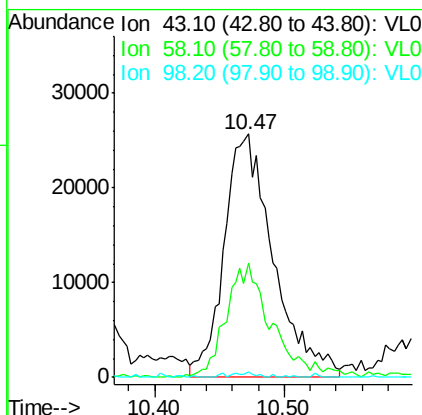
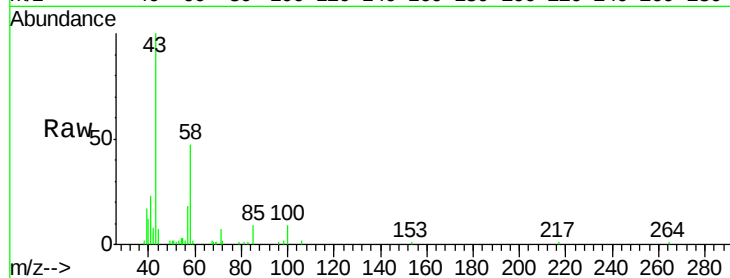
#51
2-Hexanone
Concen: 0.22 ppbv m
RT: 10.47 min Scan# 2919
Delta R.T. 0.04 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Instrument :
MSVOA_L
ClientSampleId :
EP1-SV-1DL

Tot Ion	Ratio	Lower	Upper
43	100		
58	0.0	39.8	59.6#
98	0.4	0.0	0.0#

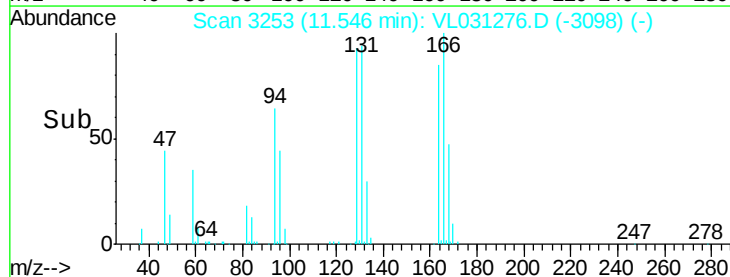
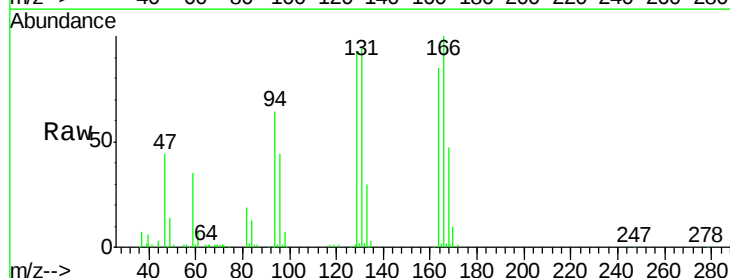
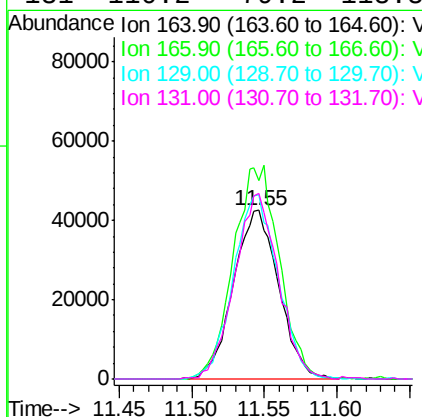
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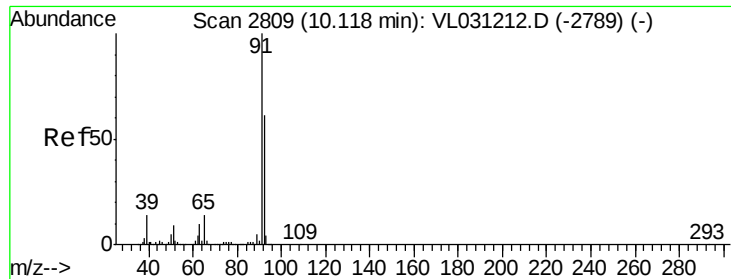
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#52
Tetrachloroethene
Concen: 0.63 ppbv
RT: 11.55 min Scan# 3253
Delta R.T. -0.00 min
Lab File: VL031276.D
Acq: 20 Dec 2017 19:05

Tgt Ion	Ratio	Lower	Upper
164	100		
166	117.3	100.6	151.0
129	108.9	82.9	124.3
131	110.2	79.2	118.8





#53

Toluene

Concen: 2.16 ppbv

RT: 10.11 min Scan# 2807

Delta R.T. -0.01 min

Lab File: VL031276.D

Acq: 20 Dec 2017 19:05

Instrument :

MSVOA_L

ClientSampled :

EP1-SV-1DL

Tot Ion: 91 Resp: 931535

Ion Ratio Lower Upper

91 100

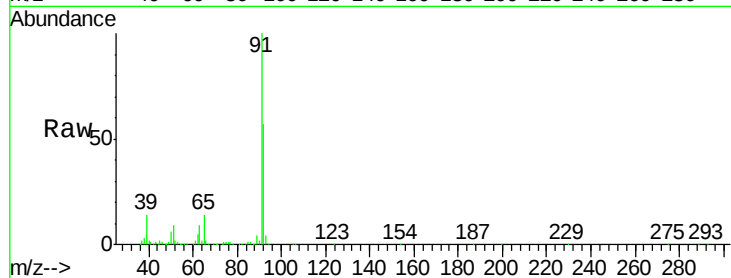
92 59.2 49.1 73.7

Manual Integrations

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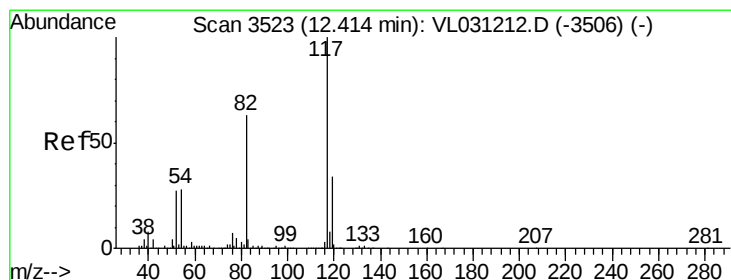
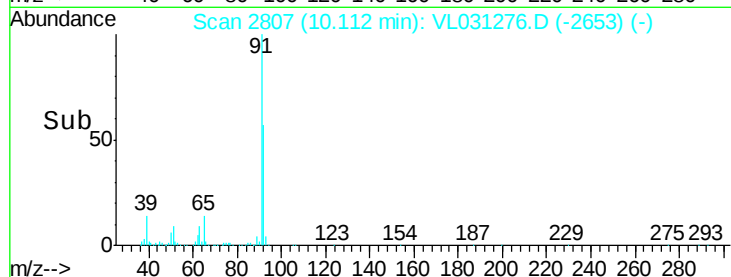
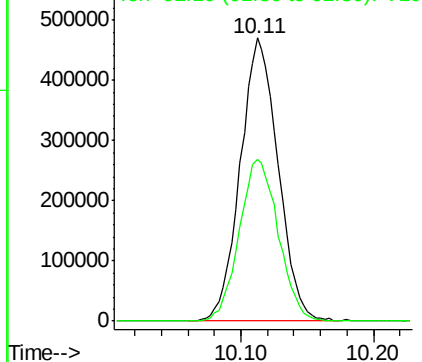
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Abundance Ion 91.10 (90.80 to 91.80): VL0

Ion 92.10 (91.80 to 92.80): VL0



#55

Chlorobenzene-d5

Concen: 10.00 ppbv

RT: 12.41 min Scan# 3522

Delta R.T. -0.00 min

Lab File: VL031276.D

Acq: 20 Dec 2017 19:05

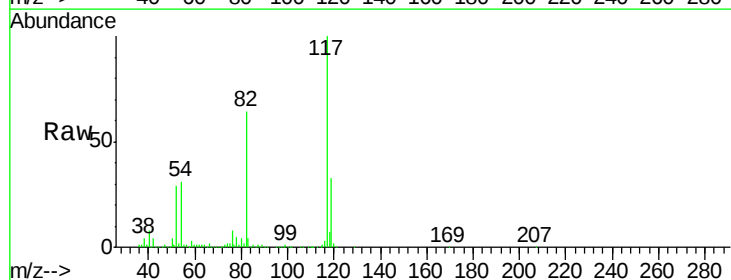
Tgt Ion: 117 Resp: 3823713

Ion Ratio Lower Upper

117 100

82 64.9 48.1 72.1

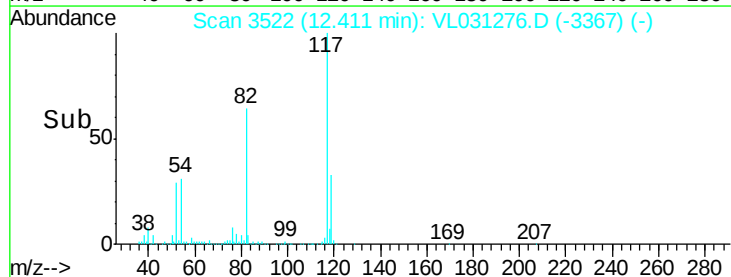
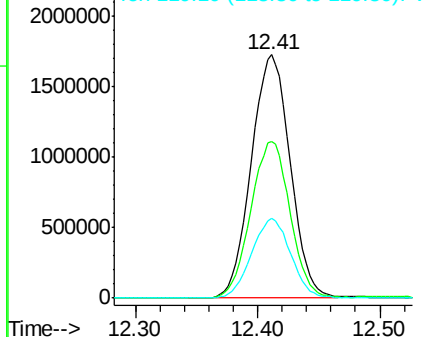
119 32.8 23.1 34.7

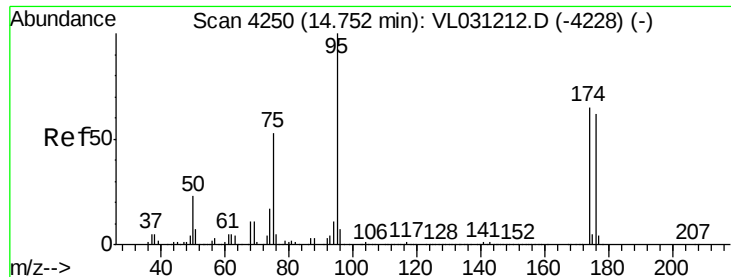


Abundance Ion 117.10 (116.80 to 117.80): V

Ion 82.10 (81.80 to 82.80): VL0

Ion 119.10 (118.80 to 119.80): V





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.93 ppbv
 RT: 14.75 min Scan# 4249
 Delta R.T. -0.00 min
 Lab File: VL031276.D
 Acq: 20 Dec 2017 19:05

Instrument :
 MSVOA_L
 ClientSampleId :
 EP1-SV-1DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	60.6	52.5	78.7
175	4.4	4.1	6.1

Manual Integrations
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