

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
 Data File : VL031231.D
 Acq On : 14 Dec 2017 14:32
 Operator : SY/AP
 Sample : I6907-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

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Quant Time: Dec 15 06:36:19 2017
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL121317AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-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	1719323	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.45	114	4048516	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.41	117	4100719	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.75	95	3115522	10.68	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	106.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	3.18	85	14556	0.10	ppbv	98
7) Chloroethane	3.72	64	14746	0.36	ppbv	99
9) Propene	3.15	41	34284	0.36	ppbv #	68
11) Trichlorofluoromethane	4.13	101	27427	0.11	ppbv	99
12) 1,1,2-Trichlorotrifluoroet	4.69	101	107610	0.64	ppbv	98
13) Ethanol	3.78	45	35800m	1.29	ppbv	
15) Acetone	4.05	43	112333	0.50	ppbv #	80
18) 1,1-Dichloroethene	4.49	96	38120	0.51	ppbv	87
20) Methylene Chloride	4.54	84	13352	0.18	ppbv	96
24) 1,1-Dichloroethane	5.23	63	616368	2.32	ppbv	100
32) 1,1,1-Trichloroethane	6.77	97	3780297	11.91	ppbv	100

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

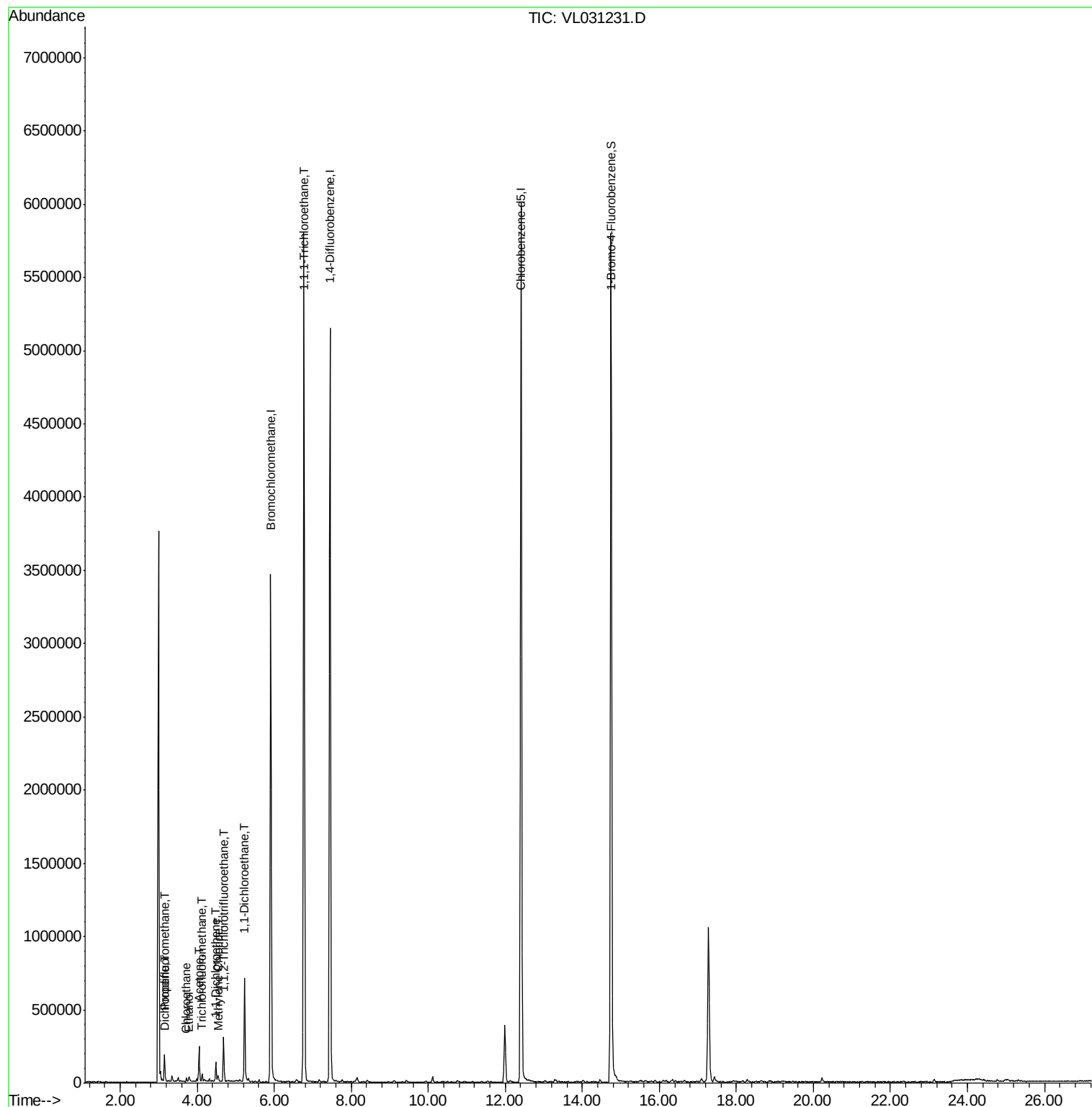
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL121317\
Data File : VL031231.D
Acq On : 14 Dec 2017 14:32
Operator : SY/AP
Sample : I6907-01DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

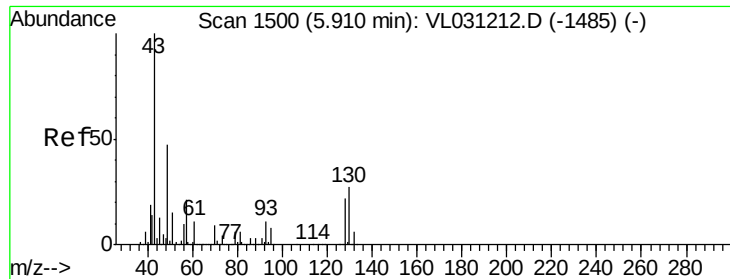
Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

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Quant Time: Dec 15 06:36:19 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: VL031231.D

Acq: 14 Dec 2017 14:32

Instrument :

MSVOA_L

ClientSampleId :

MIDDLE

Tot Ion: 49 Resp: 1719323

Ion Ratio Lower Upper

49 100

128 48.6 23.2 69.5

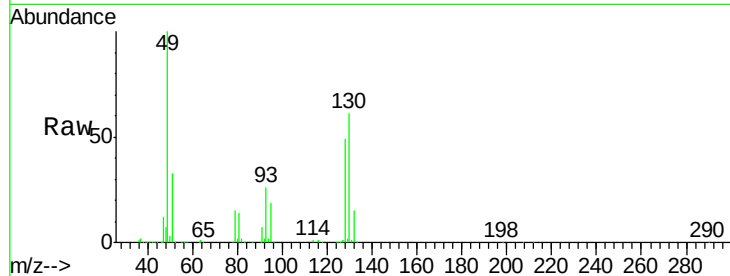
130 62.5 29.6 88.8

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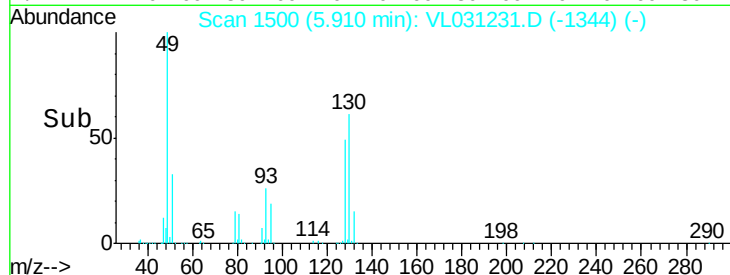


Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

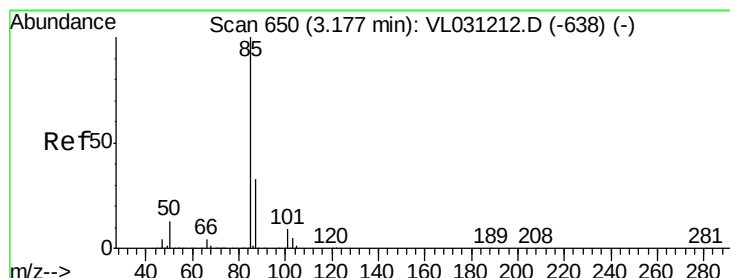
Ion 130.00 (129.70 to 130.70): VL0

Time-->



5.91

Time-->



#2

Dichlorodifluoromethane

Concen: 0.10 ppbv

RT: 3.18 min Scan# 651

Delta R.T. 0.00 min

Lab File: VL031231.D

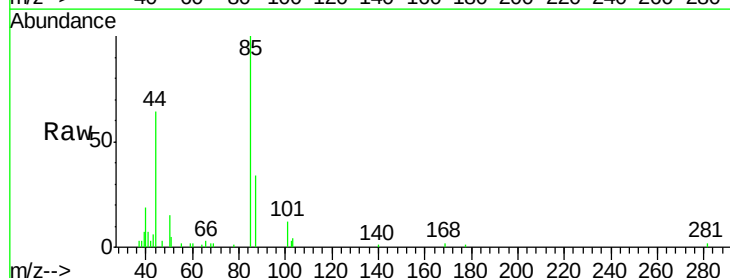
Acq: 14 Dec 2017 14:32

Tgt Ion: 85 Resp: 14556

Ion Ratio Lower Upper

85 100

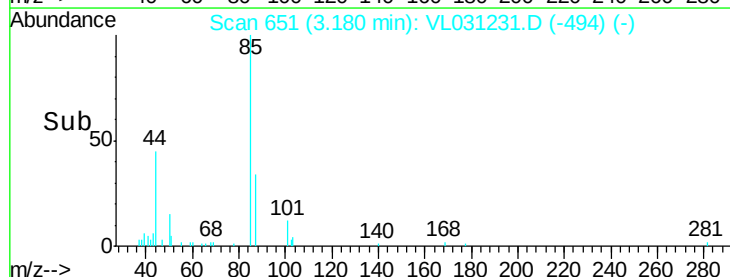
87 33.9 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VL0

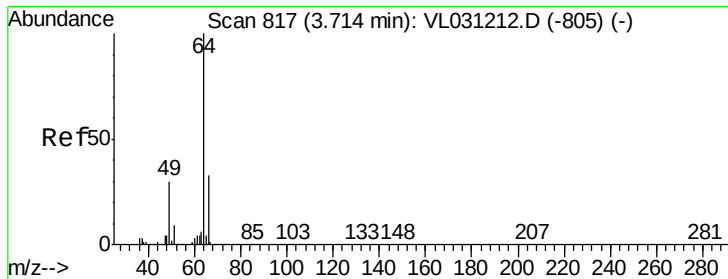
Ion 87.00 (86.70 to 87.70): VL0

Time-->



3.18

Time-->



#7

Chloroethane

Concen: 0.36 ppbv

RT: 3.72 min Scan# 819

Delta R.T. 0.01 min

Lab File: VL031231.D

Acq: 14 Dec 2017 14:32

Instrument :

MSVOA_L

ClientSampled :

MIDDLE

Tot Ion: 64 Resp: 14746

Ion Ratio Lower Upper

64 100

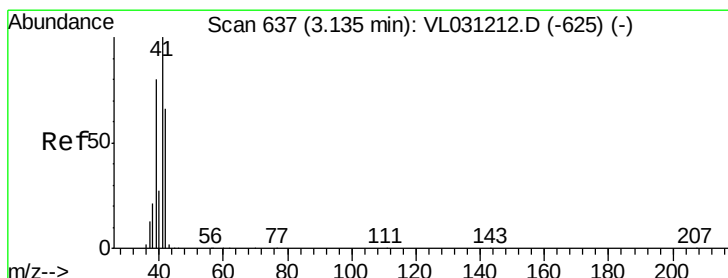
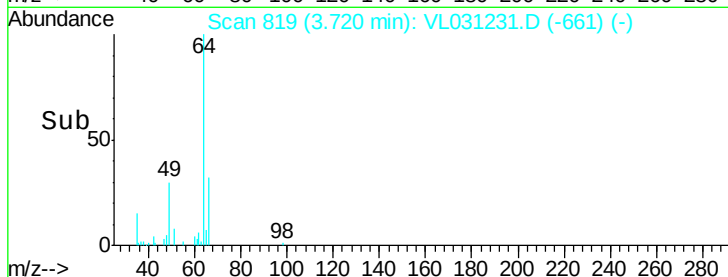
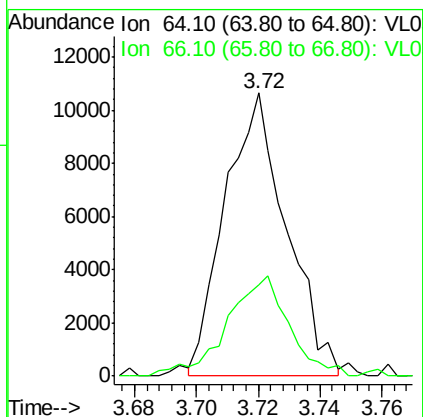
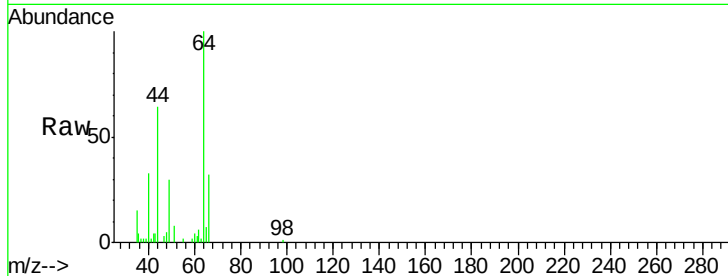
66 32.3 26.2 39.2

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#9

Propene

Concen: 0.36 ppbv

RT: 3.15 min Scan# 642

Delta R.T. 0.02 min

Lab File: VL031231.D

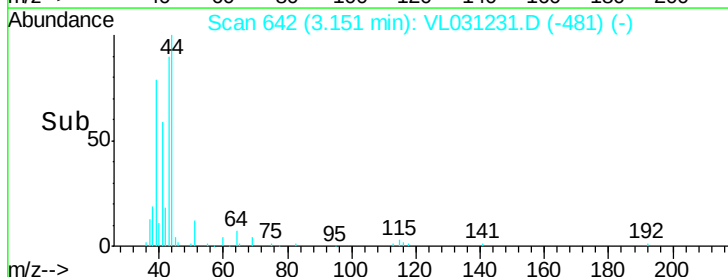
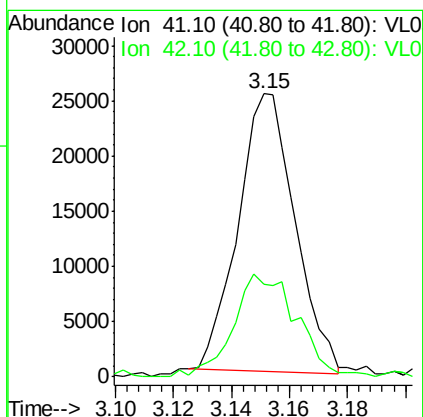
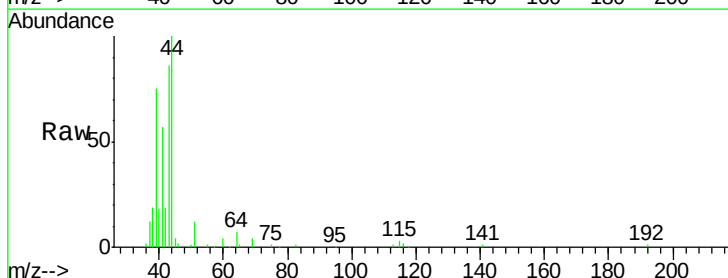
Acq: 14 Dec 2017 14:32

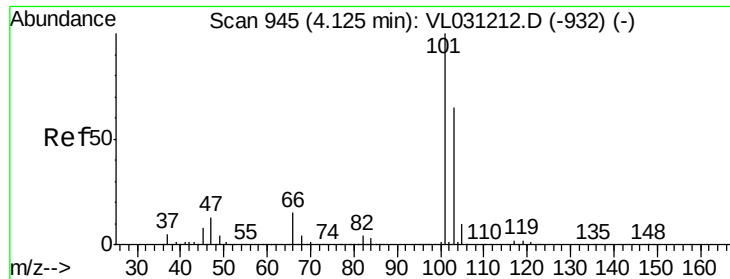
Tgt Ion: 41 Resp: 34284

Ion Ratio Lower Upper

41 100

42 42.4 54.3 81.5#





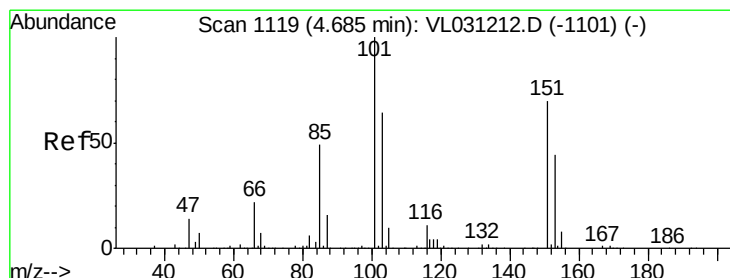
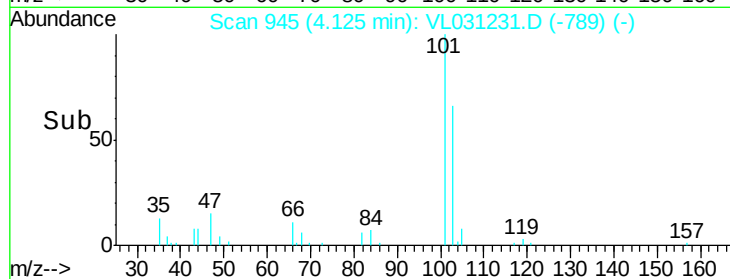
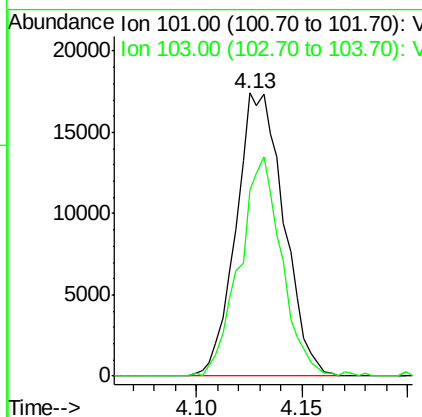
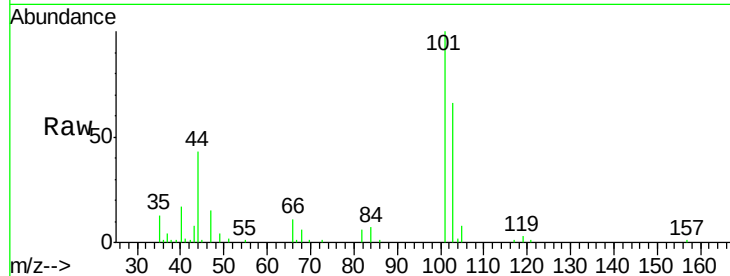
#11
 Trichlorofluoromethane
 Concen: 0.11 ppbv
 RT: 4.13 min Scan# 945
 Delta R.T. 0.00 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Instrument :
 MSVOA_L
 ClientSampled :
 MIDDLE

Tot Ion:101 Resp: 27427
 Ion Ratio Lower Upper
 101 100
 103 65.7 51.8 77.8

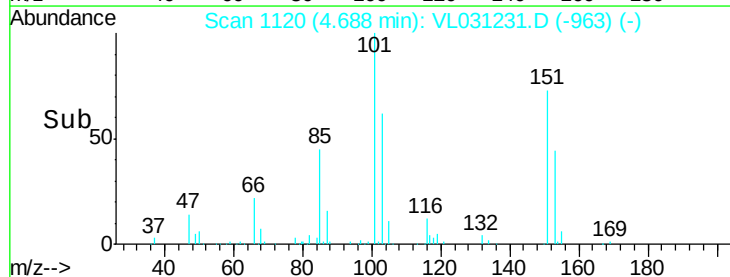
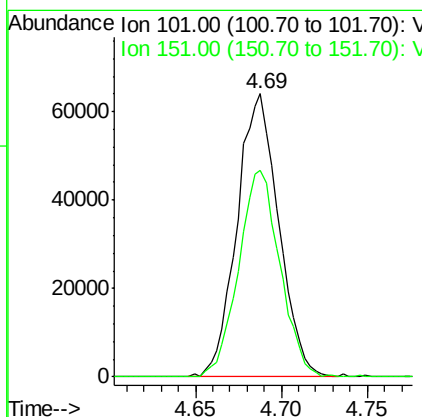
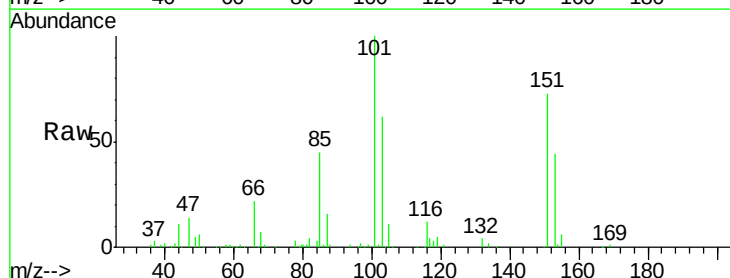
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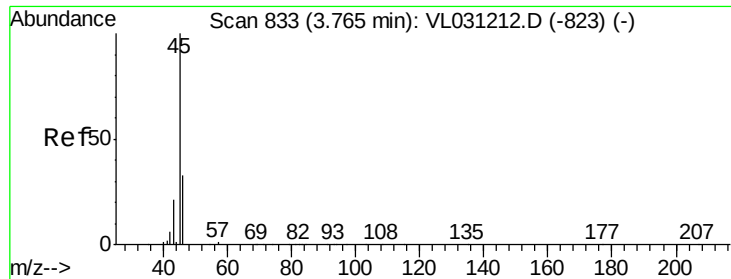
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#12
 1,1,2-Trichlorotrifluoroethane
 Concen: 0.64 ppbv
 RT: 4.69 min Scan# 1120
 Delta R.T. 0.00 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Tgt Ion:101 Resp: 107610
 Ion Ratio Lower Upper
 101 100
 151 72.4 56.5 84.7





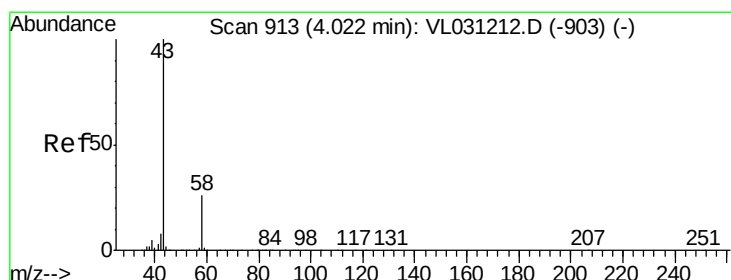
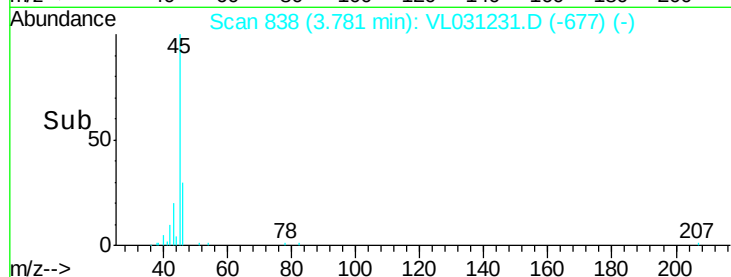
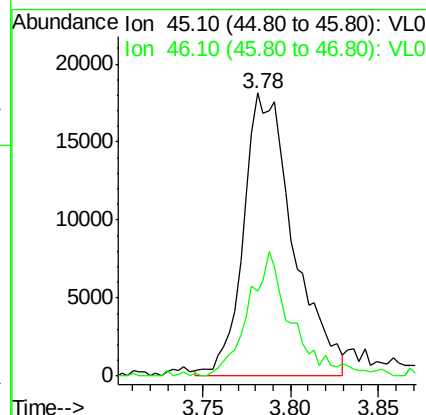
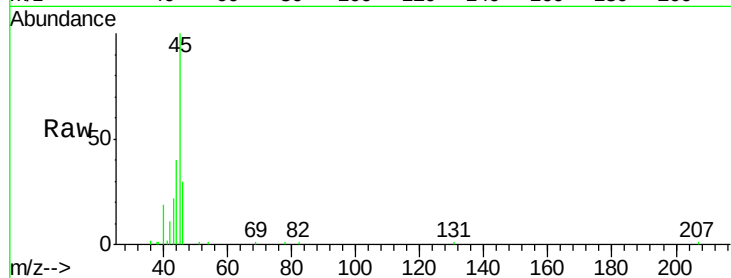
#13
Ethanol
Concen: 1.29 ppbv m
RT: 3.78 min Scan# 838
Delta R.T. 0.02 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Instrument :
MSVOA_L
ClientSampleId :
MIDDLE

Tot Ion	Ratio	Lower	Upper
45	100		
46	0.0	14.6	58.4#

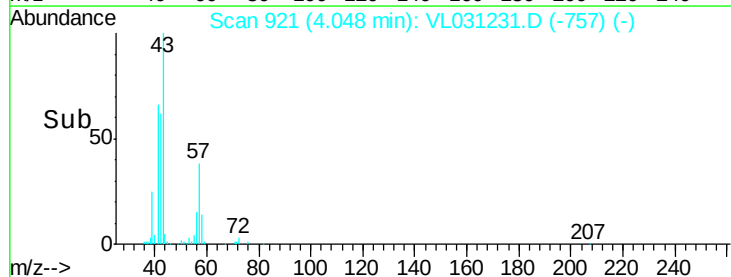
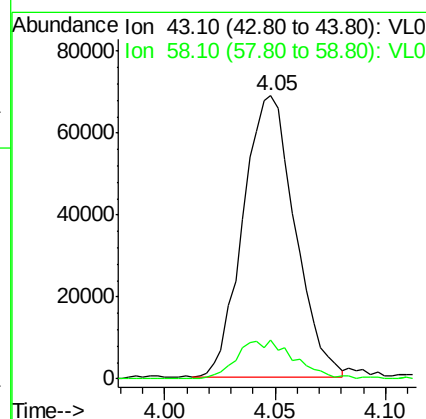
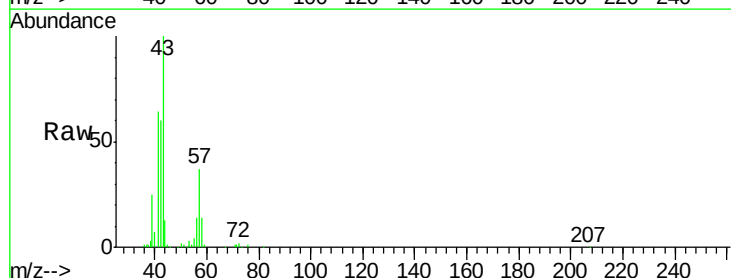
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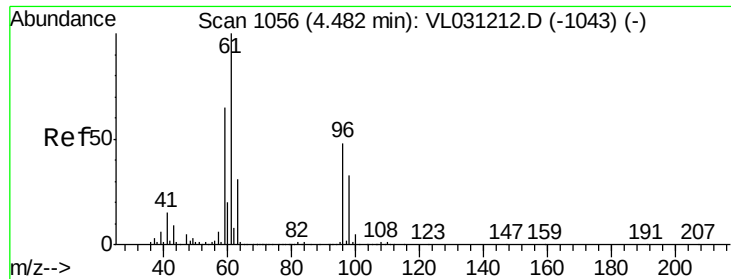
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#15
Acetone
Concen: 0.50 ppbv
RT: 4.05 min Scan# 921
Delta R.T. 0.03 min
Lab File: VL031231.D
Acq: 14 Dec 2017 14:32

Tgt Ion	Ratio	Lower	Upper
43	100		
58	15.6	20.3	30.5#





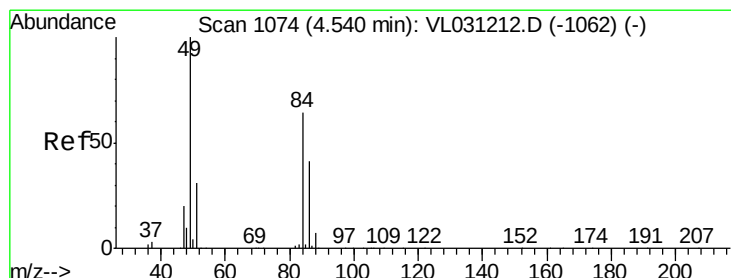
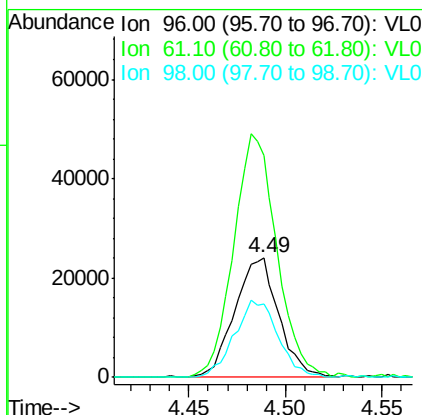
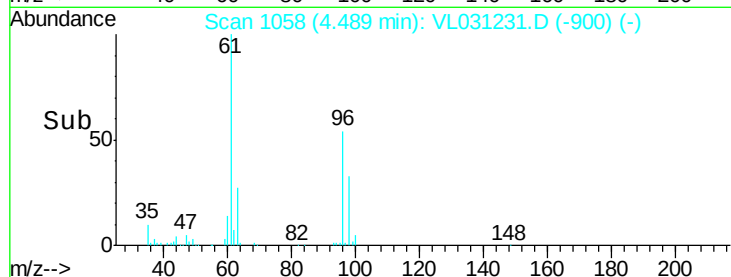
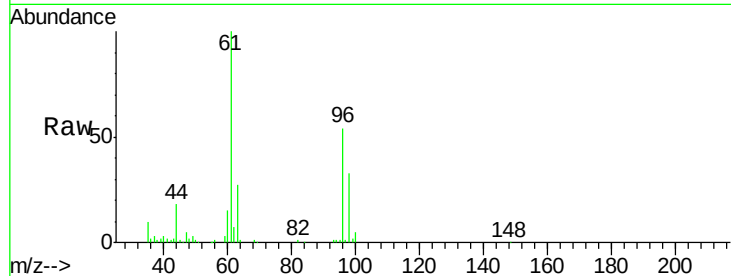
#18
 1,1-Dichloroethene
 Concen: 0.51 ppbv
 RT: 4.49 min Scan# 1058
 Delta R.T. 0.01 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Instrument :
 MSVOA_L
 ClientSampled :
 MIDDLE

Tot Ion	Ratio	Lower	Upper
96	100		
61	185.9	166.8	250.2
98	61.9	55.0	82.6

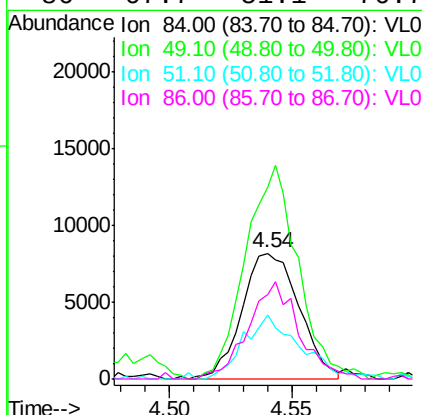
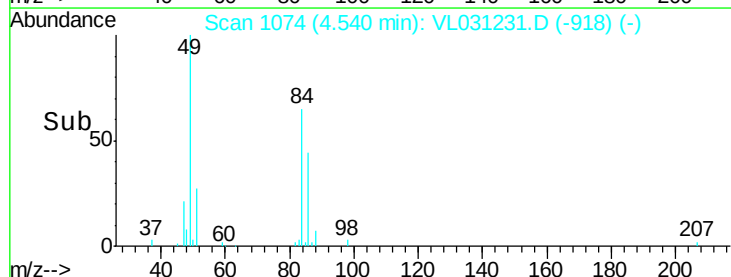
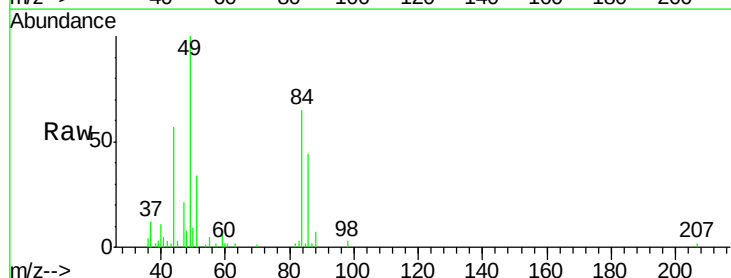
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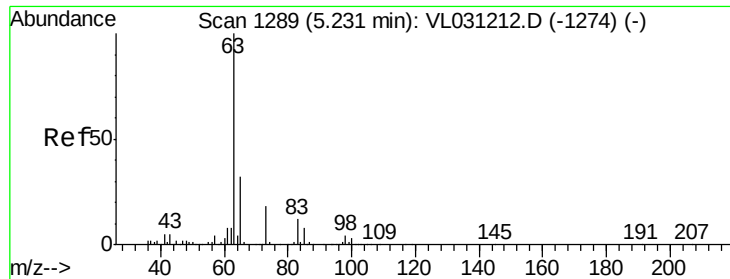
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#20
 Methylene Chloride
 Concen: 0.18 ppbv
 RT: 4.54 min Scan# 1074
 Delta R.T. 0.00 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Tgt Ion	Ratio	Lower	Upper
84	100		
49	152.7	125.8	188.6
51	46.9	39.3	58.9
86	67.7	51.1	76.7





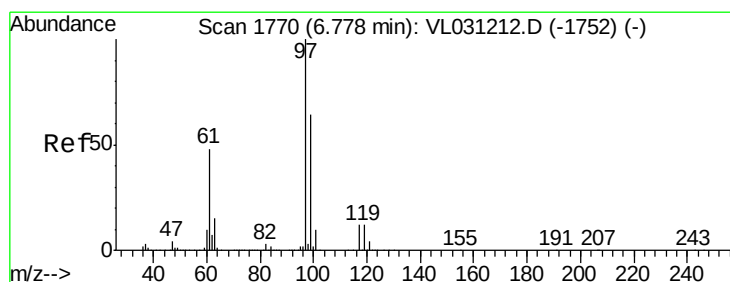
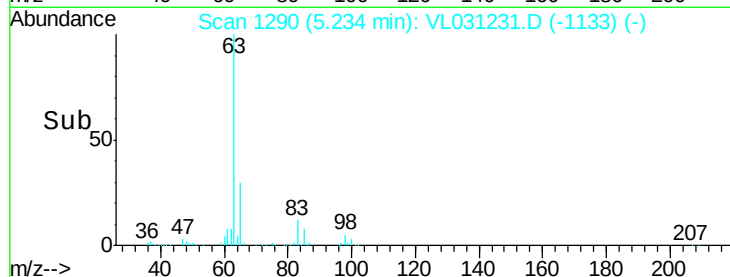
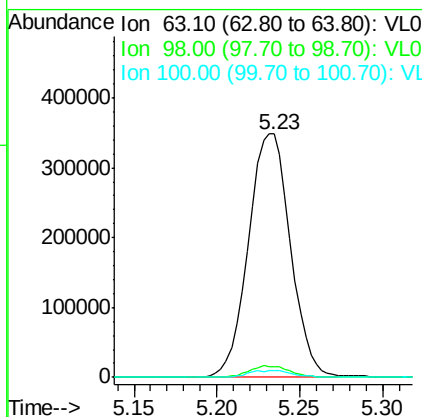
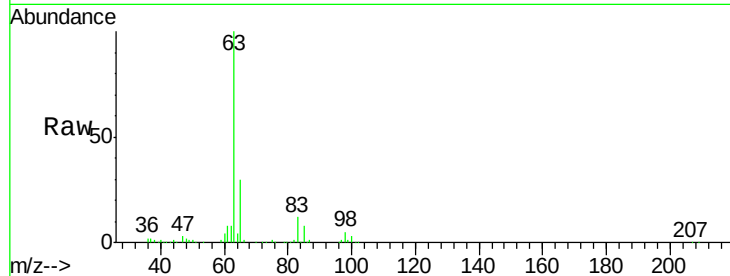
#24
 1,1-Dichloroethane
 Concen: 2.32 ppbv
 RT: 5.23 min Scan# 1290
 Delta R.T. 0.00 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion	Ratio	Resp	Lower	Upper
63	100	616368		
98	4.5	2.3	6.8	
100	2.7	1.4	4.2	

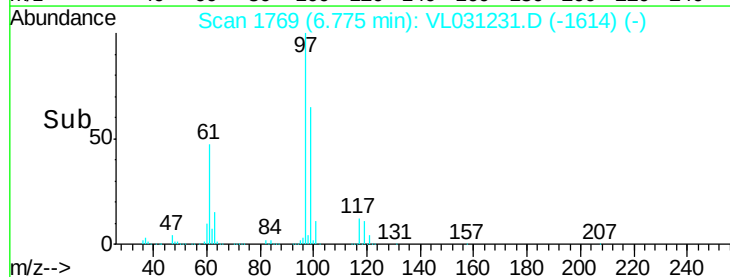
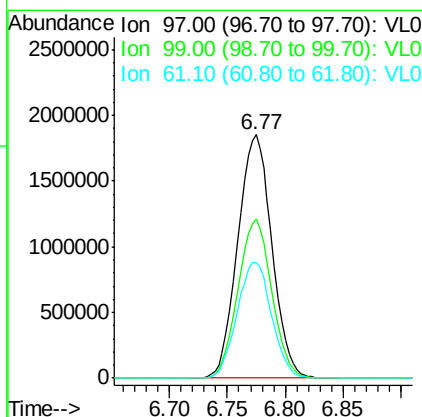
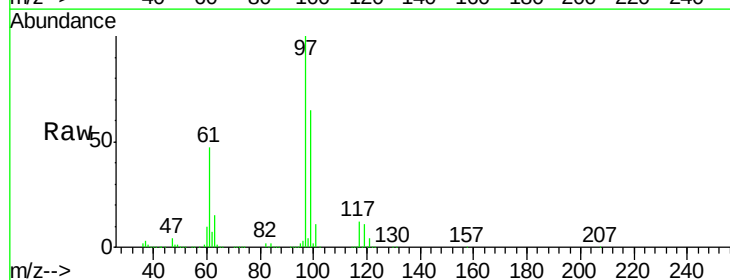
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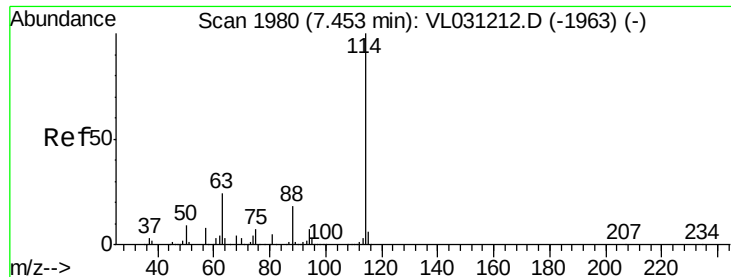
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#32
 1,1,1-Trichloroethane
 Concen: 11.91 ppbv
 RT: 6.77 min Scan# 1769
 Delta R.T. -0.00 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Tgt Ion	Ratio	Resp	Lower	Upper
97	100	3780297		
99	64.7	51.4	77.0	
61	48.2	38.4	57.6	





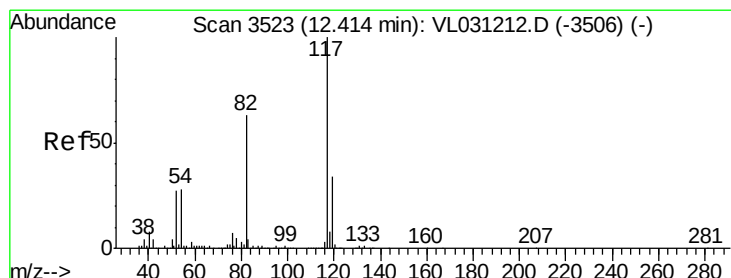
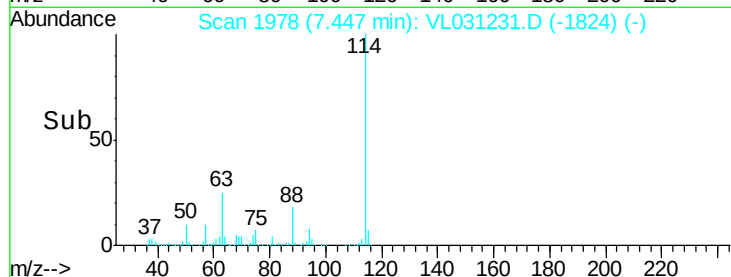
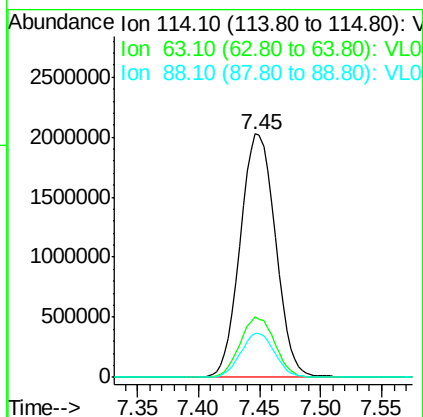
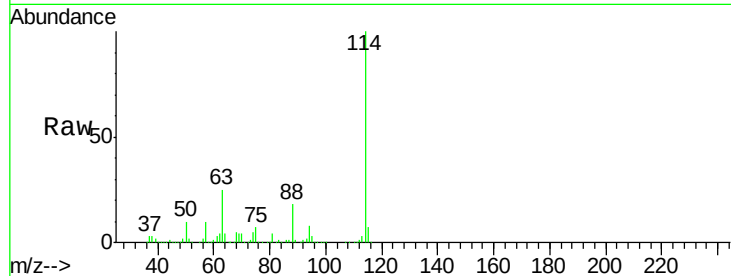
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.45 min Scan# 1978
 Delta R.T. -0.01 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion	Ion	Ratio	Lower	Upper
114	100			
63	24.3	19.8	29.8	
88	17.6	14.2	21.4	

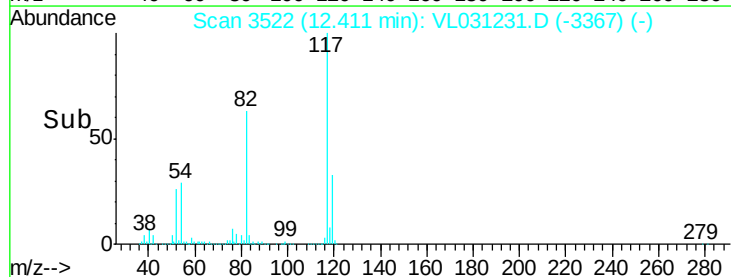
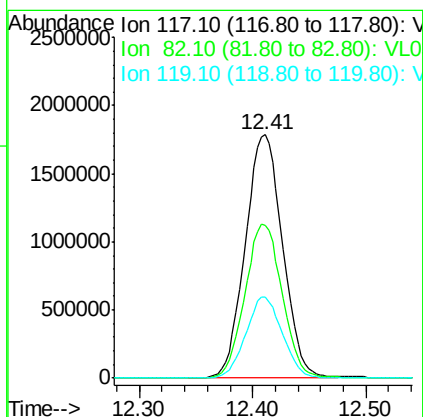
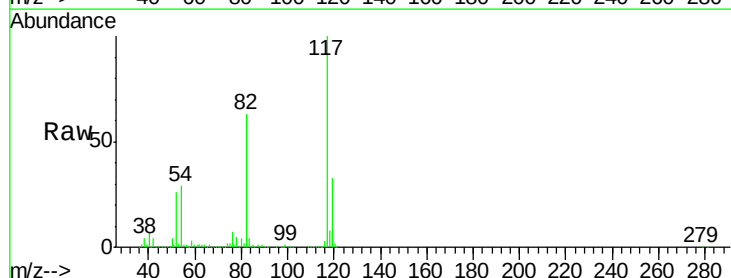
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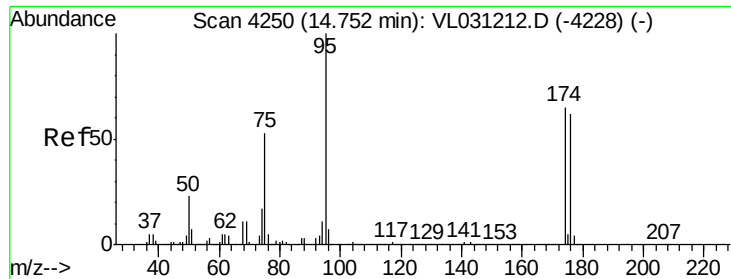
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#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.41 min Scan# 3522
 Delta R.T. -0.00 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Tgt Ion	Ion	Ratio	Lower	Upper
117	100			
82	63.5	48.1	72.1	
119	32.8	23.1	34.7	





#68
 1-Bromo-4-Fluorobenzene
 Concen: 10.68 ppbv
 RT: 14.75 min Scan# 4248
 Delta R.T. -0.01 min
 Lab File: VL031231.D
 Acq: 14 Dec 2017 14:32

Instrument :
 MSVOA_L
 ClientSampleId :
 MIDDLE

Tot Ion	Ion	Ratio	Lower	Upper
95	100			
174	63.9	52.5	78.7	
175	4.8	4.1	6.1	

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