

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032276.D
 Acq On : 19 Jul 2018 1:08
 Operator : SY/AP
 Sample : J3454-03DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-7DL

Manual Integrations
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 7/20/2018 2:53:20 PM

Quant Time: Jul 19 04:17:38 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul 18 14:38:53 2018
 QLast Update : Wed Jul 18 14:38:53 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.84	49	1689759	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3465348	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4061494	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3214313	9.76	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.60%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.05	51	27333m	0.14	ppbv	
13) Ethanol	3.72	45	153767	6.49	ppbv	98
15) Acetone	3.97	43	240449	1.36	ppbv	97
19) Isopropyl Alcohol	4.12	45	34253	0.29	ppbv #	88
20) Methylene Chloride	4.48	84	53092	0.78	ppbv	93
26) Hexane	5.86	57	279829	1.58	ppbv #	44
34) 2-Butanone	5.42	43	29350m	0.12	ppbv	

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

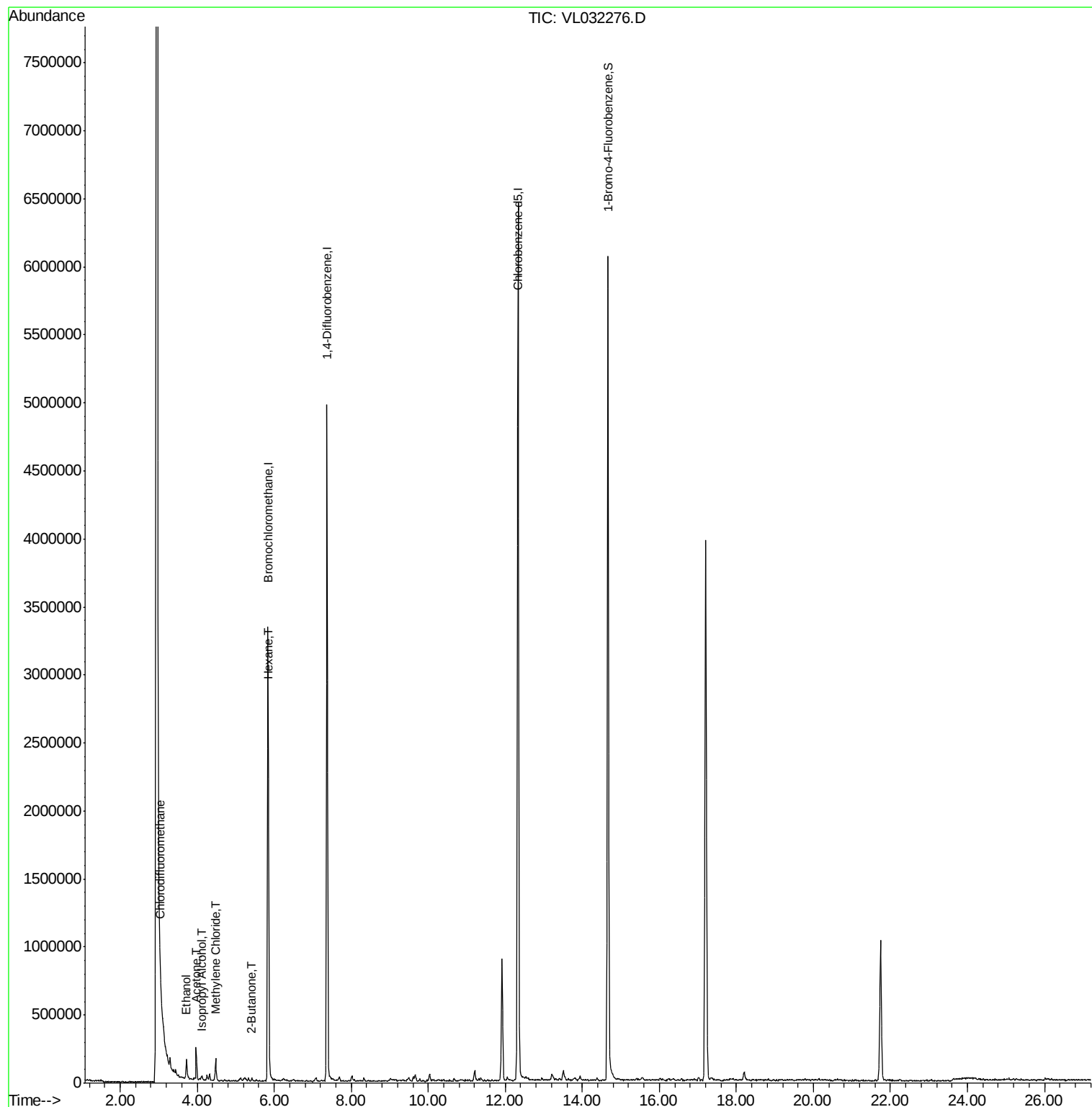
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
Data File : VL032276.D
Acq On : 19 Jul 2018 1:08
Operator : SY/AP
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Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

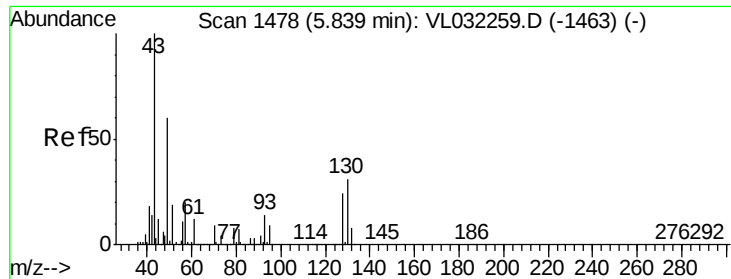
Instrument :
MSVOA_L
ClientSampleId :
B-7DL

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Quant Time: Jul 19 04:17:38 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1478

Delta R.T. -0.00 min

Lab File: VL032276.D

Acq: 19 Jul 2018 1:08

Instrument :

MSVOA_L

ClientSampleId :

B-7DL

Tot Ion: 49 Resp: 1689759

Ion Ratio Lower Upper

49 100

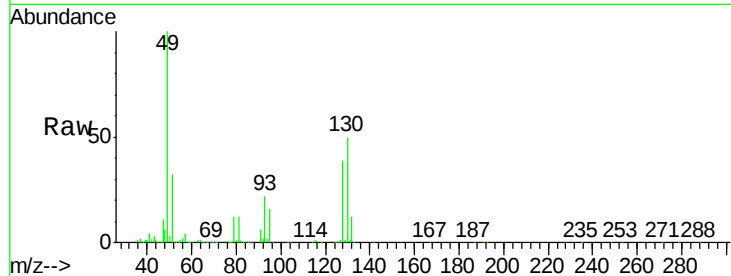
128 39.7 20.1 60.2

130 51.2 25.9 77.6

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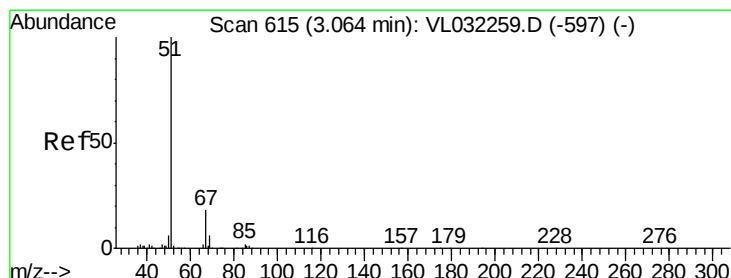
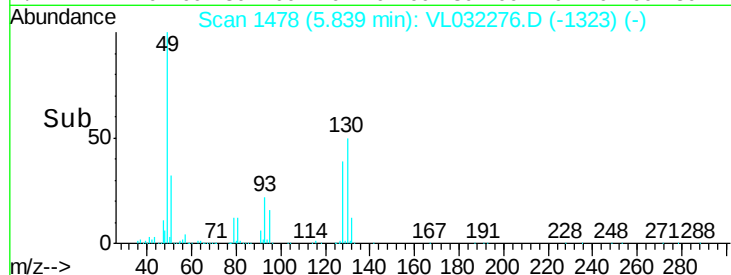
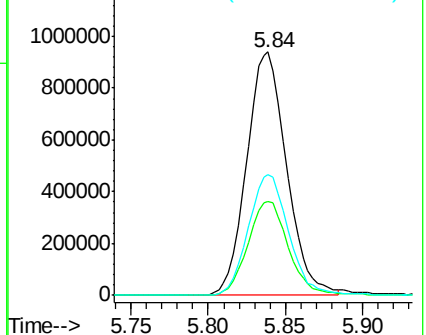
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.14 ppbv m

RT: 3.05 min Scan# 612

Delta R.T. -0.01 min

Lab File: VL032276.D

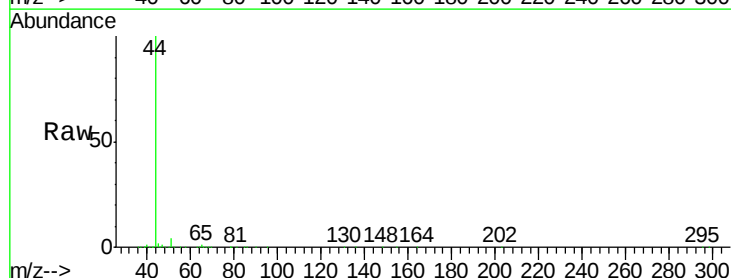
Acq: 19 Jul 2018 1:08

Tgt Ion: 51 Resp: 27333

Ion Ratio Lower Upper

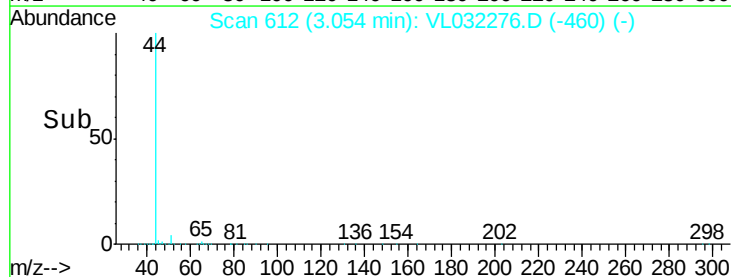
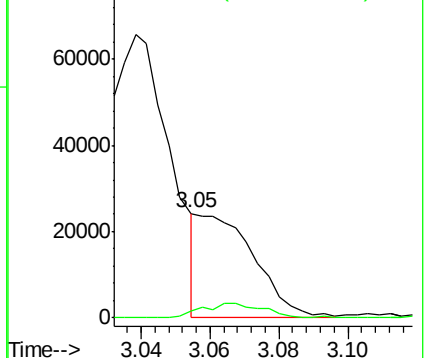
51 100

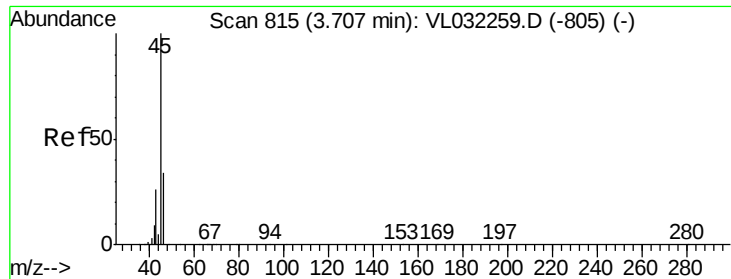
67 15.6 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





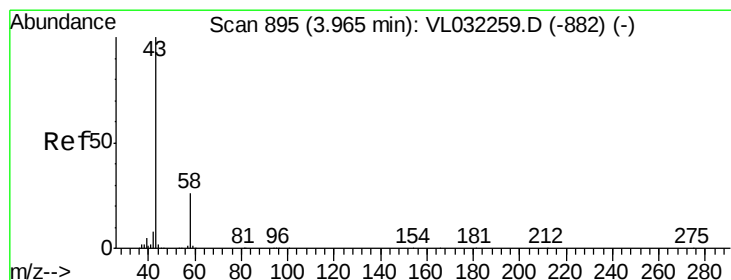
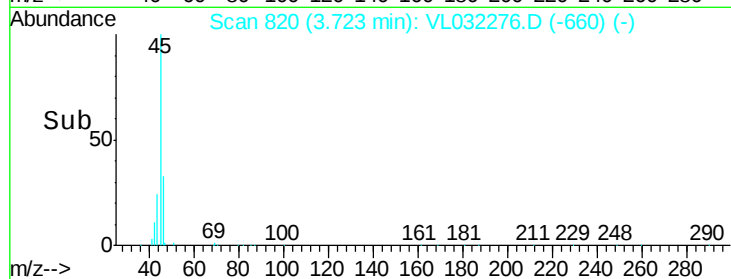
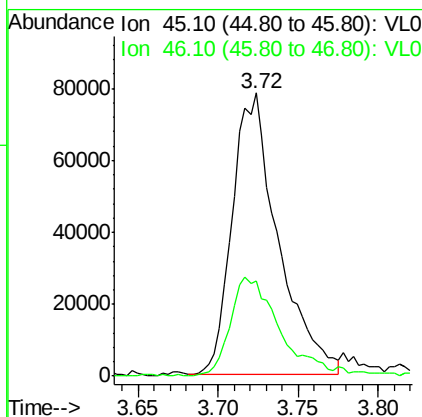
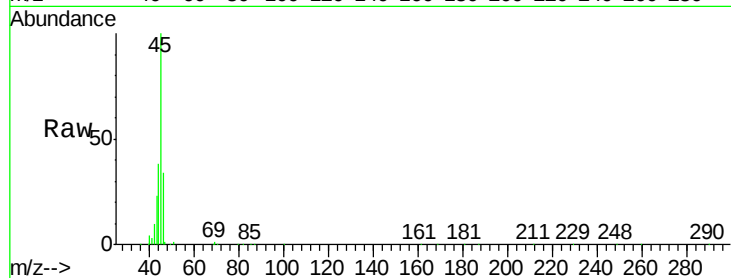
#13
Ethanol
Concen: 6.49 ppbv
RT: 3.72 min Scan# 820
Delta R.T. 0.02 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampled :
B-7DL

Tot Ion	45	Resp	153767
Ion Ratio	100	Lower	Upper
46	39.5	15.2	60.8

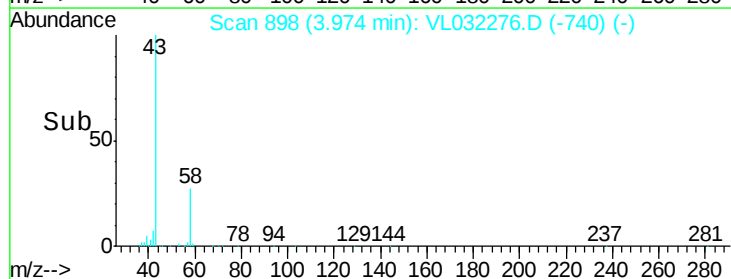
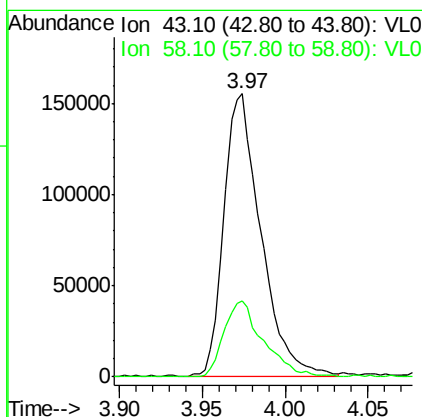
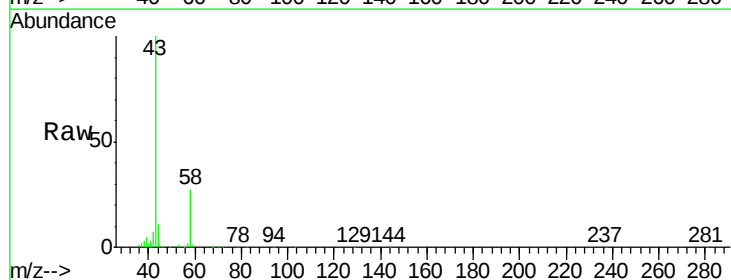
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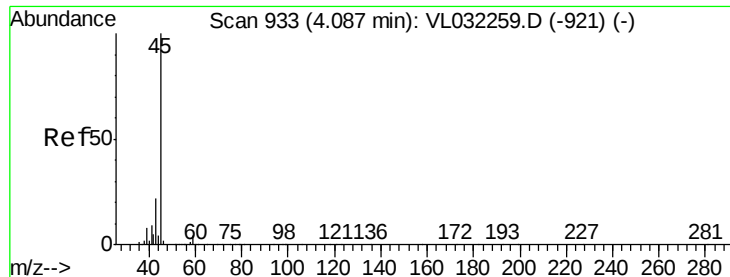
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#15
Acetone
Concen: 1.36 ppbv
RT: 3.97 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion	43	Resp	240449
Ion Ratio	100	Lower	Upper
58	28.7	21.8	32.6





#19

Isopropyl Alcohol

Concen: 0.29 ppbv

RT: 4.12 min Scan# 942

Delta R.T. 0.03 min

Lab File: VL032276.D

Acq: 19 Jul 2018 1:08

Instrument :

MSVOA_L

ClientSampleId :

B-7DL

Tot Ion: 45 Resp: 34253

Ion Ratio Lower Upper

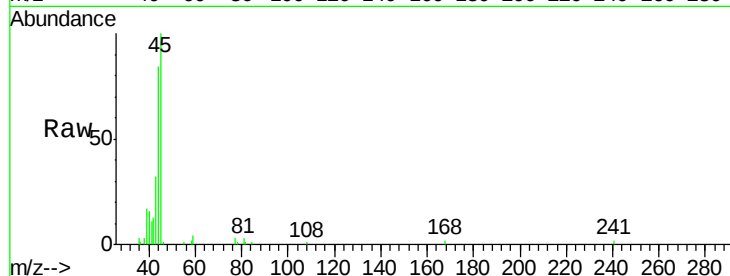
45 100

58 6.1 1.5 2.3#

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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0

20000

15000

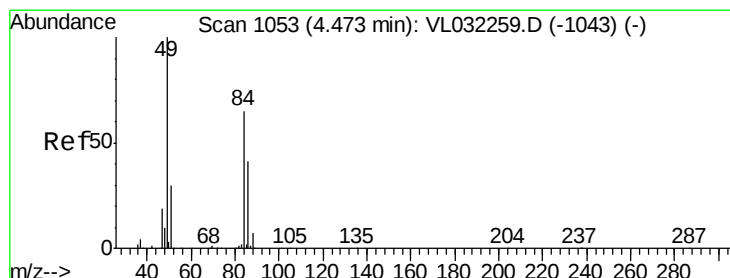
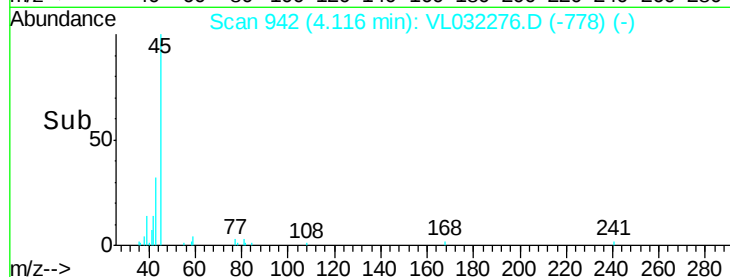
10000

5000

0

4.05 4.10 4.15

Time-->



#20

Methylene Chloride

Concen: 0.78 ppbv

RT: 4.48 min Scan# 1055

Delta R.T. 0.01 min

Lab File: VL032276.D

Acq: 19 Jul 2018 1:08

Tgt Ion: 84 Resp: 53092

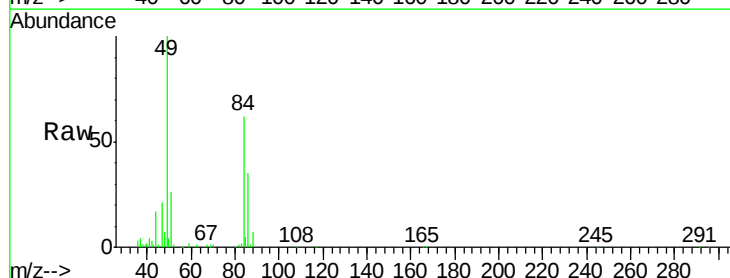
Ion Ratio Lower Upper

84 100

49 161.5 122.4 183.6

51 42.2 36.8 55.2

86 56.4 50.7 76.1



Abundance Ion 84.00 (83.70 to 84.70): VL0

Ion 49.10 (48.80 to 49.80): VL0

Ion 51.10 (50.80 to 51.80): VL0

Ion 86.00 (85.70 to 86.70): VL0

80000

60000

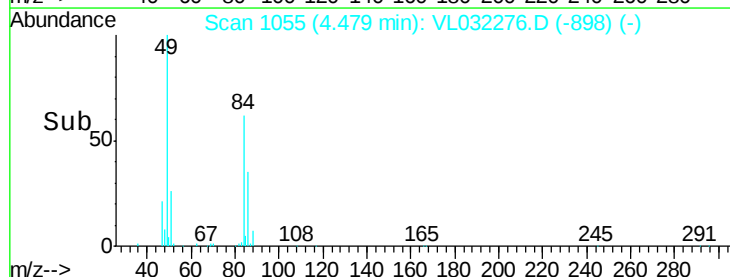
40000

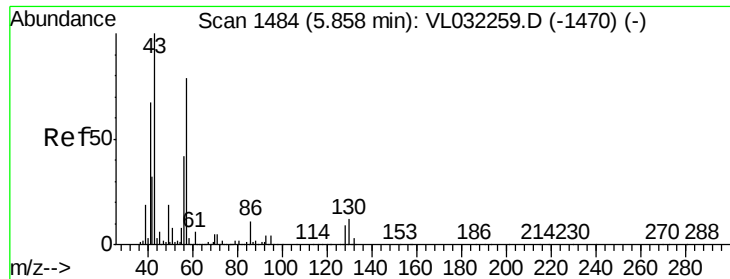
20000

0

4.45 4.50

Time-->





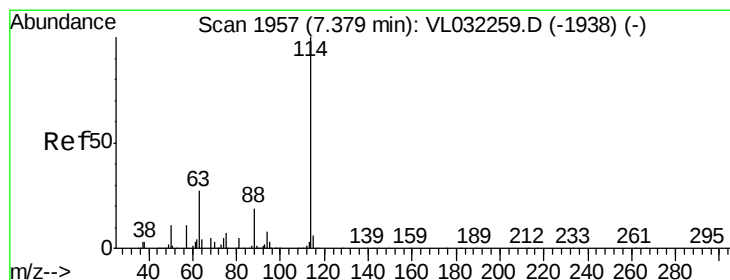
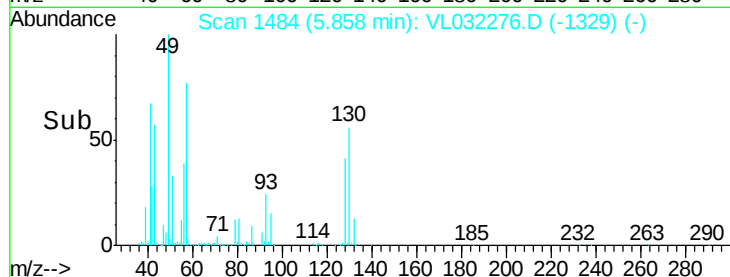
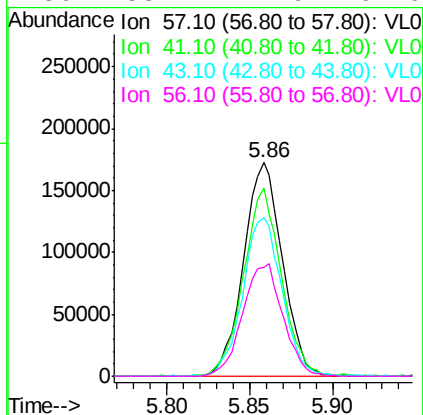
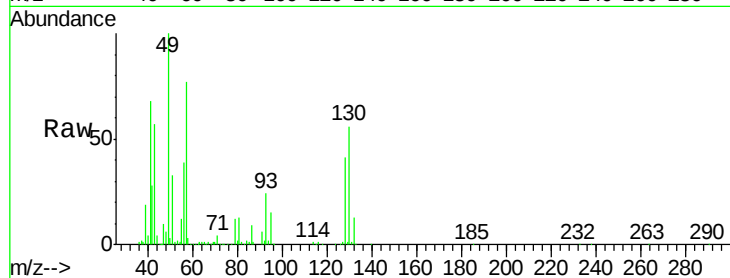
#26
Hexane
Concen: 1.58 ppbv
RT: 5.86 min Scan# 1484
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampled :
B-7DL

Tot Ion	Ratio	Lower	Upper
57	100		
41	87.3	67.9	101.9
43	75.9	175.9	263.9#
56	55.2	41.9	62.9

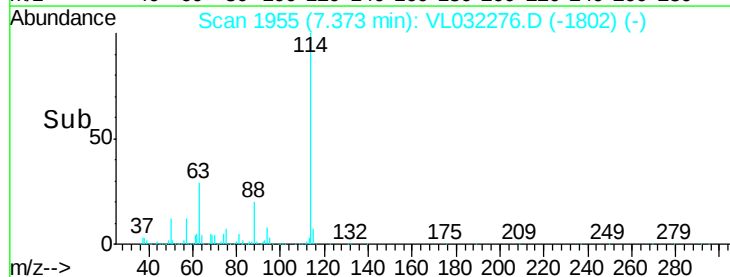
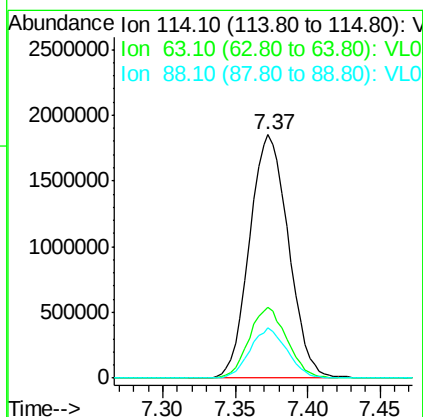
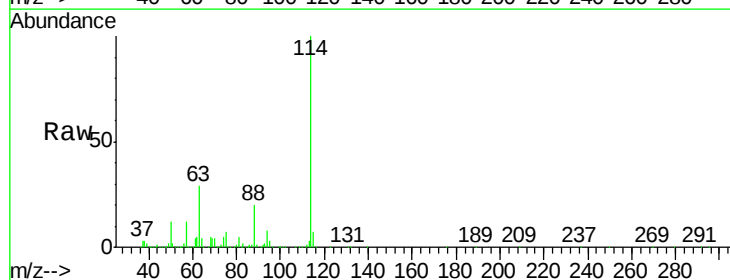
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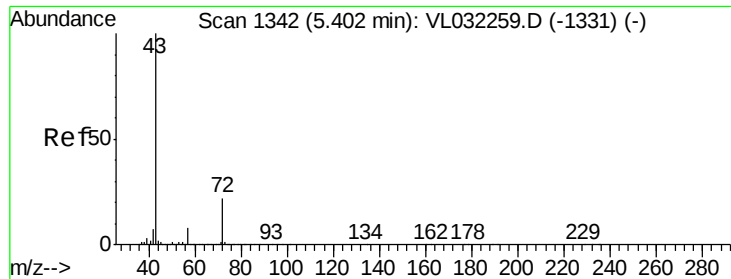
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion	Ratio	Lower	Upper
114	100		
63	28.4	22.6	33.8
88	19.6	15.2	22.8





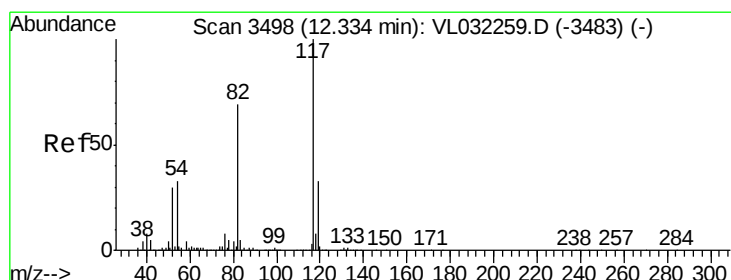
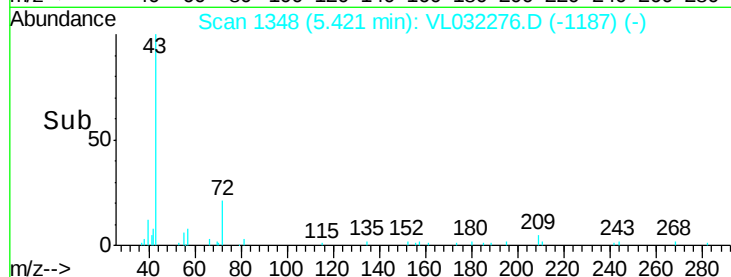
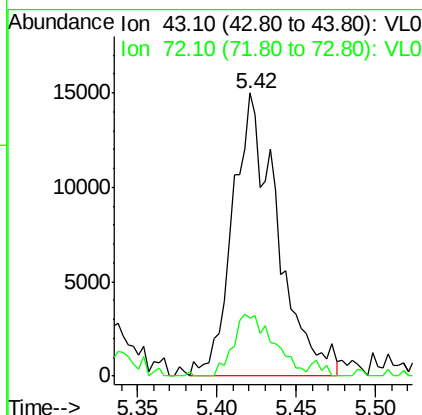
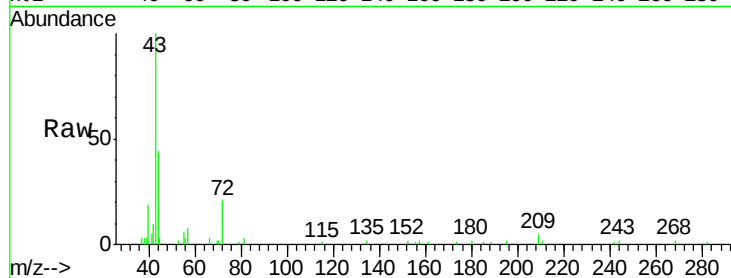
#34
2-Butanone
Concen: 0.12 ppbv m
RT: 5.42 min Scan# 1348
Delta R.T. 0.02 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Instrument :
MSVOA_L
ClientSampleId :
B-7DL

Tot Ion: 43 Resp: 29350
Ion Ratio Lower Upper
43 100
72 21.3 17.7 26.5

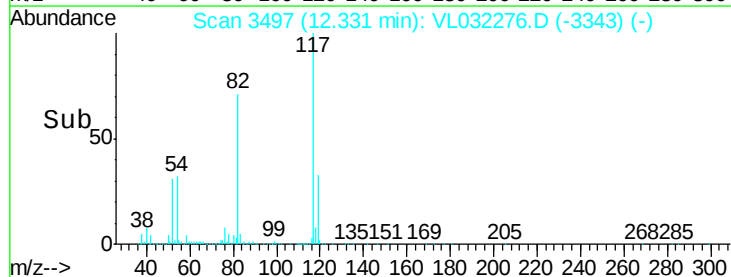
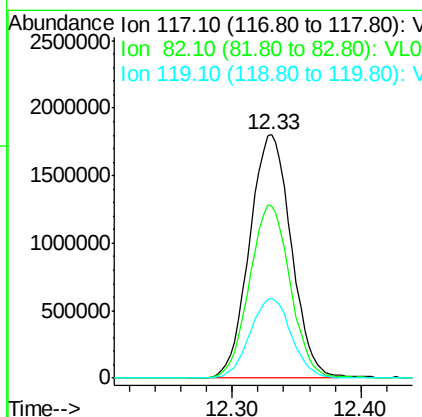
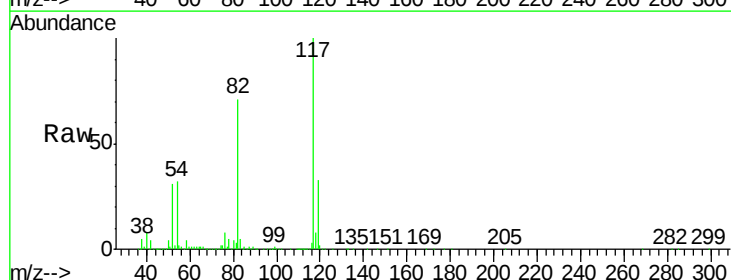
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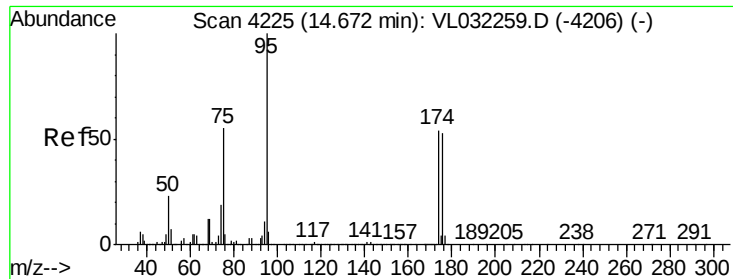
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3497
Delta R.T. -0.00 min
Lab File: VL032276.D
Acq: 19 Jul 2018 1:08

Tgt Ion: 117 Resp: 4061494
Ion Ratio Lower Upper
117 100
82 70.2 53.9 80.9
119 32.6 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.76 ppbv
 RT: 14.66 min Scan# 4223
 Delta R.T. -0.01 min
 Lab File: VL032276.D
 Acq: 19 Jul 2018 1:08

Instrument :
 MSVOA_L
 ClientSampleId :
 B-7DL

Tot Ion	Ratio	Lower	Upper
95	100		
174	55.8	44.3	66.5
175	4.0	3.3	4.9

Manual Integrations
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