

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032271.D
 Acq On : 18 Jul 2018 21:48
 Operator : SY/AP
 Sample : J3454-01DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-1DL

Manual Integrations
 APPROVED

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 7/20/2018 2:53:14 PM

Quant Time: Jul 19 02:28:01 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_LWed 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	1711440	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3518783	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.33	117	4099046	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.67	95	3227652	9.71	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.06	51	21743m	0.11	ppbv	
13) Ethanol	3.72	45	148414m	6.19	ppbv	
15) Acetone	3.97	43	187282	1.05	ppbv	99
19) Isopropyl Alcohol	4.11	45	28682	0.24	ppbv #	1
20) Methylene Chloride	4.48	84	48456	0.70	ppbv	88
26) Hexane	5.86	57	202077	1.13	ppbv #	43

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

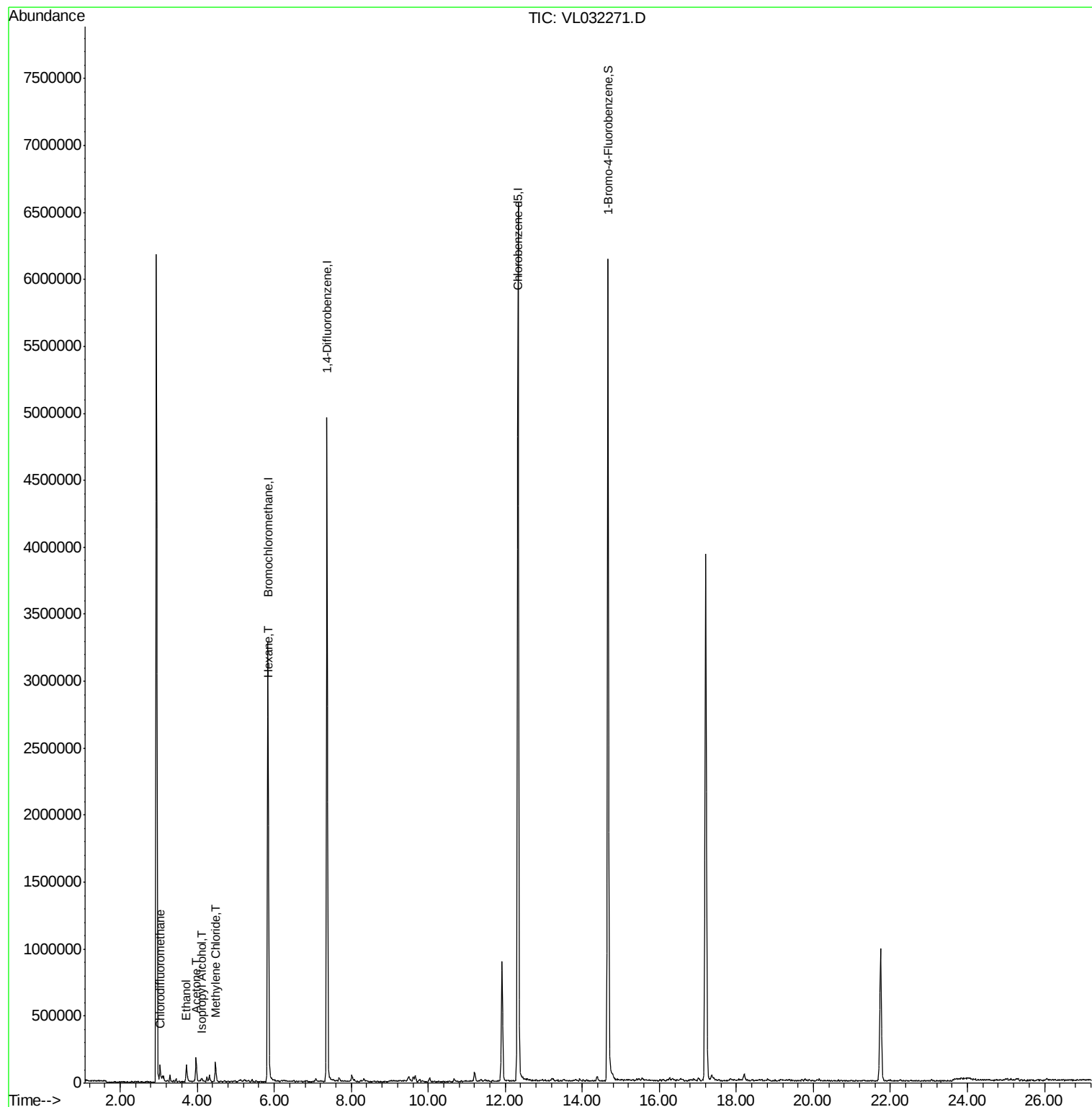
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
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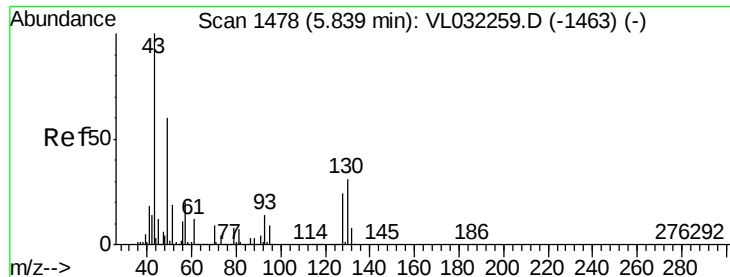
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Wed Jul
QLast Update : Wed Jul 18 14:38:53 2018
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 5.84 min Scan# 1477

Delta R.T. -0.00 min

Lab File: VL032271.D

Acq: 18 Jul 2018 21:48

Instrument :

MSVOA_L

ClientSampleId :

B-1DL

Tot Ion: 49 Resp: 1711440

Ion Ratio Lower Upper

49 100

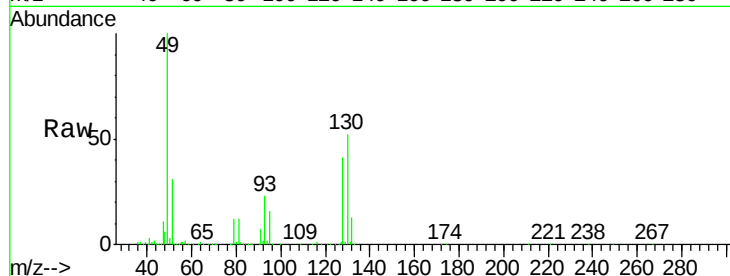
128 40.0 20.1 60.2

130 51.2 25.9 77.6

Manual Integrations
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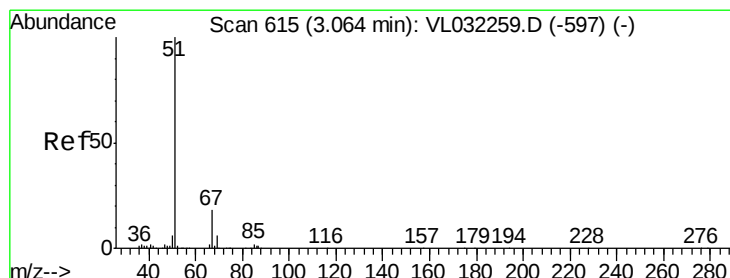
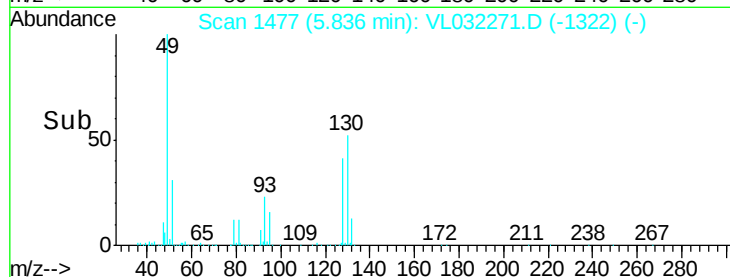
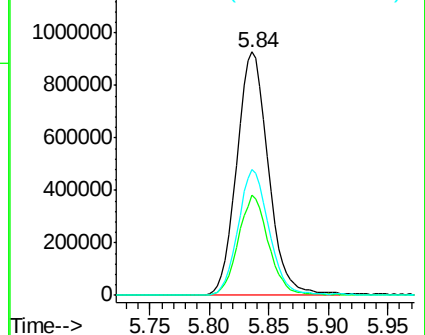
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Abundance Ion 49.10 (48.80 to 49.80): VL0

Ion 128.00 (127.70 to 128.70): VL0

Ion 130.00 (129.70 to 130.70): VL0



#3

Chlorodifluoromethane

Concen: 0.11 ppbv m

RT: 3.06 min Scan# 614

Delta R.T. -0.00 min

Lab File: VL032271.D

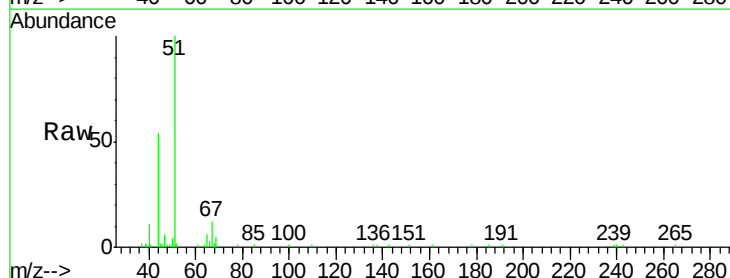
Acq: 18 Jul 2018 21:48

Tgt Ion: 51 Resp: 21743

Ion Ratio Lower Upper

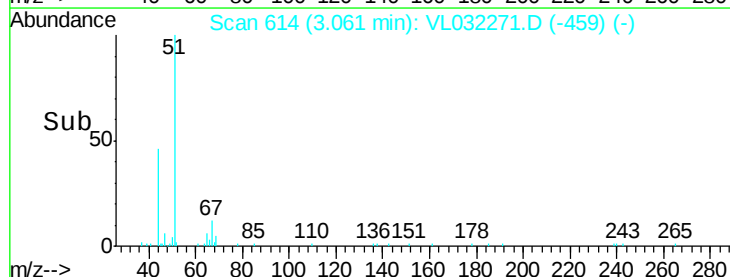
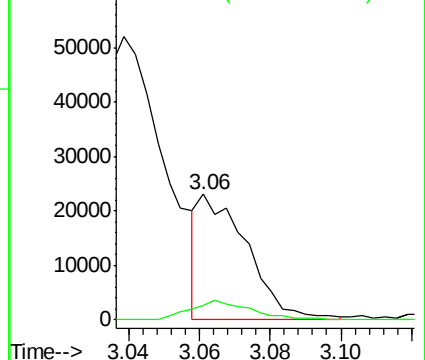
51 100

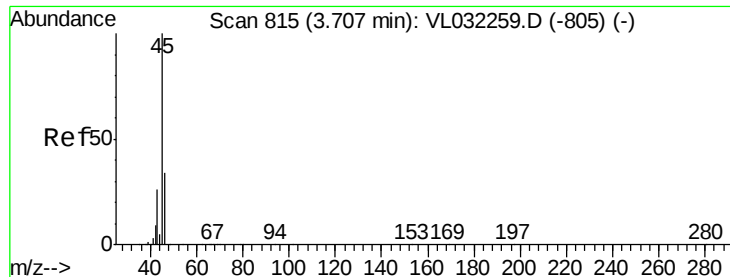
67 19.5 14.2 21.4



Abundance Ion 51.00 (50.70 to 51.70): VL0

Ion 67.00 (66.70 to 67.70): VL0





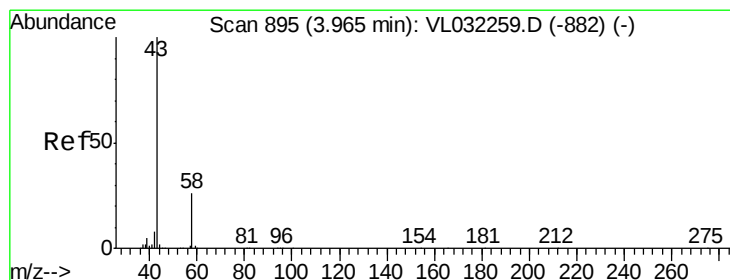
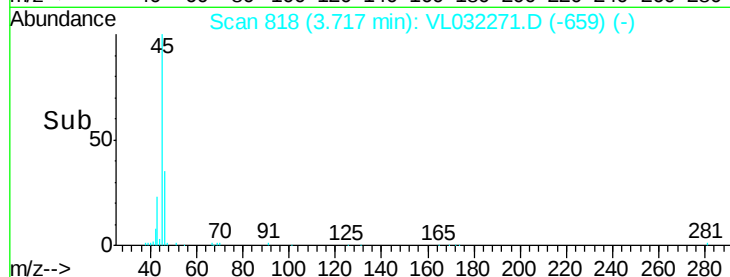
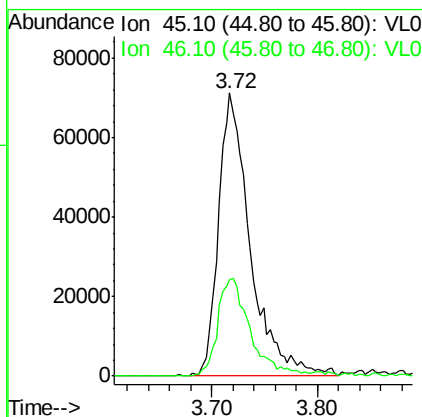
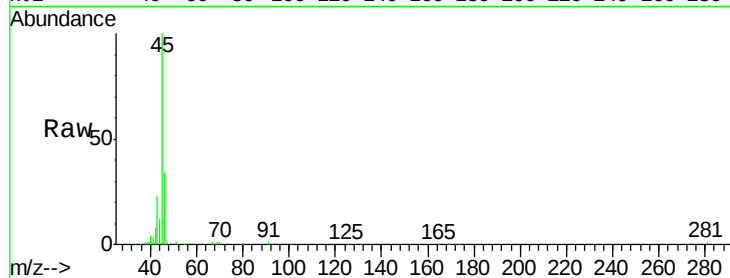
#13
Ethanol
Concen: 6.19 ppbv m
RT: 3.72 min Scan# 818
Delta R.T. 0.01 min
Lab File: VL032271.D
Acq: 18 Jul 2018 21:48

Instrument :
MSVOA_L
ClientSampleId :
B-1DL

Tot Ion	45	Resp	148414
Ion Ratio	100	Lower	Upper
46	35.1	15.2	60.8

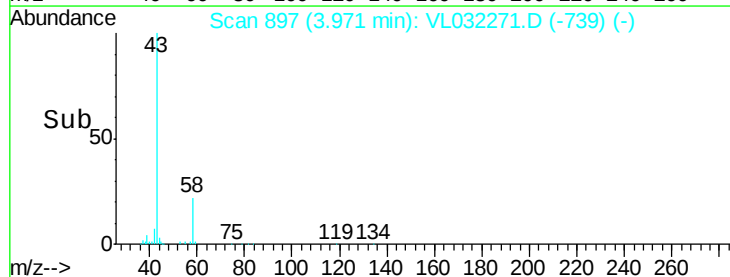
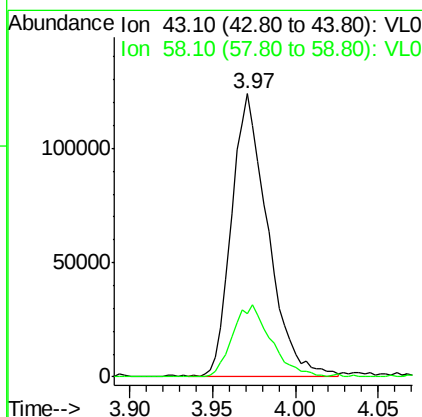
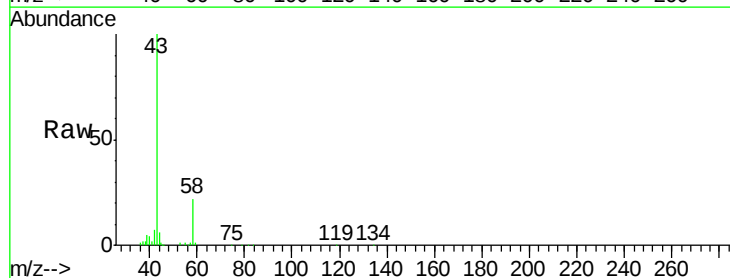
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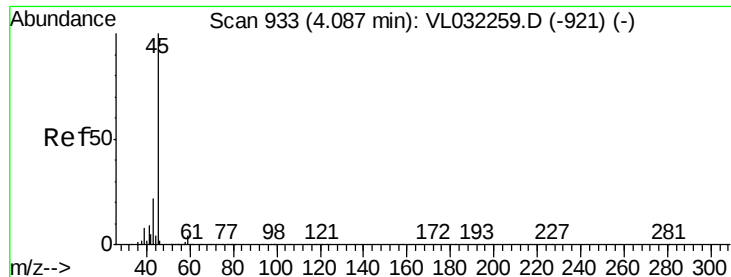
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#15
Acetone
Concen: 1.05 ppbv
RT: 3.97 min Scan# 897
Delta R.T. 0.01 min
Lab File: VL032271.D
Acq: 18 Jul 2018 21:48

Tgt Ion	43	Resp	187282
Ion Ratio	100	Lower	Upper
58	27.8	21.8	32.6





#19

Isopropyl Alcohol

Concen: 0.24 ppbv

RT: 4.11 min Scan# 940

Delta R.T. 0.02 min

Lab File: VL032271.D

Acq: 18 Jul 2018 21:48

Instrument :

MSVOA_L

ClientSampleId :

B-1DL

Tot Ion: 45 Resp: 28682

Ion Ratio Lower Upper

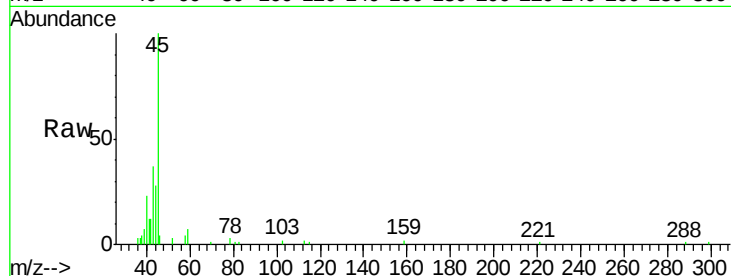
45 100

58 179.4 1.5 2.3#

Manual Integrations
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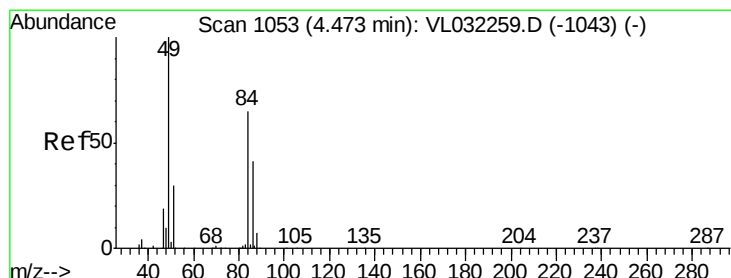
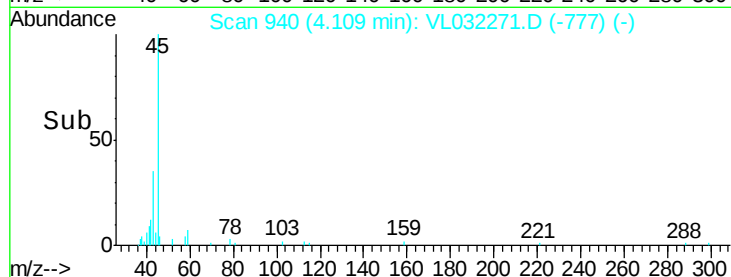
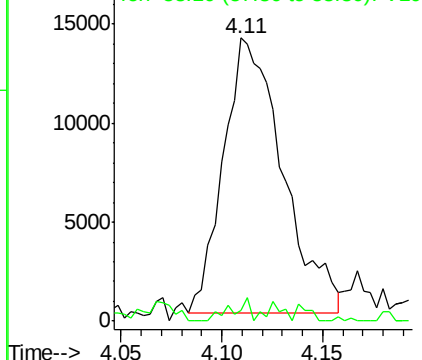
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Abundance Ion 45.10 (44.80 to 45.80): VL0

Ion 58.10 (57.80 to 58.80): VL0



#20

Methylene Chloride

Concen: 0.70 ppbv

RT: 4.48 min Scan# 1054

Delta R.T. 0.00 min

Lab File: VL032271.D

Acq: 18 Jul 2018 21:48

Tgt Ion: 84 Resp: 48456

Ion Ratio Lower Upper

84 100

49 174.5 122.4 183.6

51 53.9 36.8 55.2

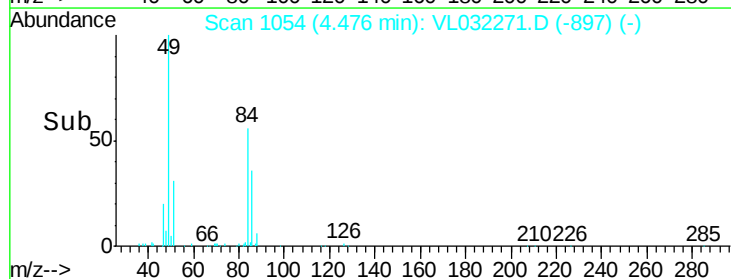
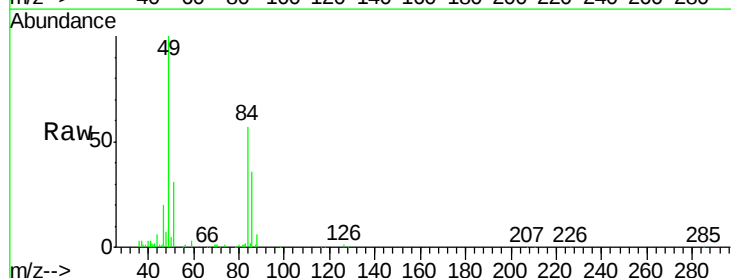
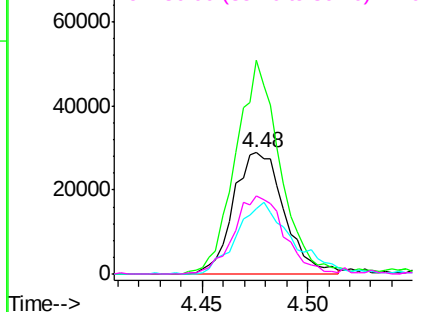
86 63.2 50.7 76.1

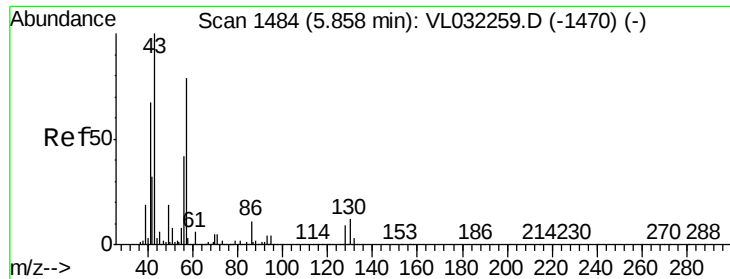
Abundance Ion 84.00 (83.70 to 84.70): VL0

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





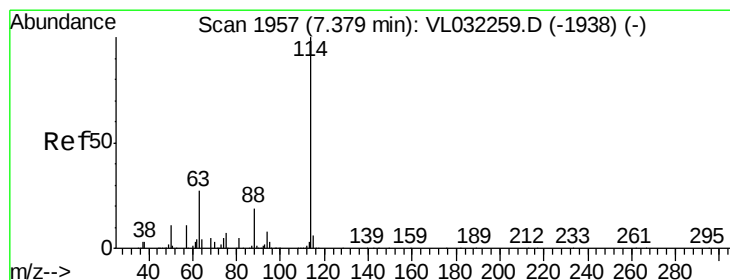
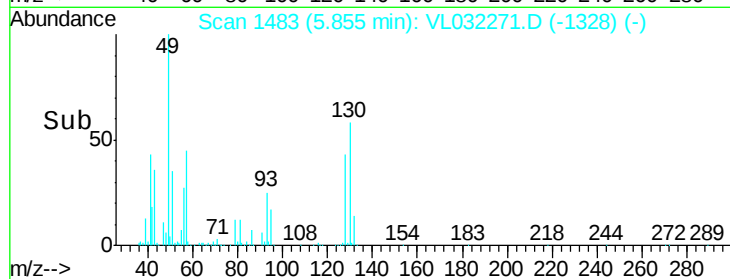
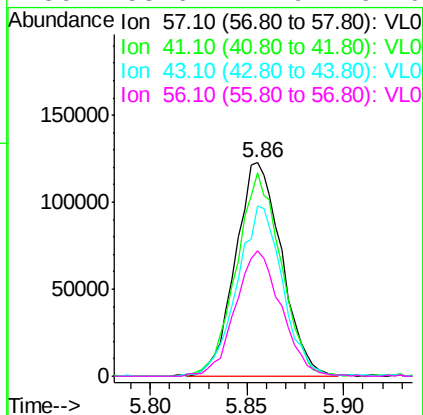
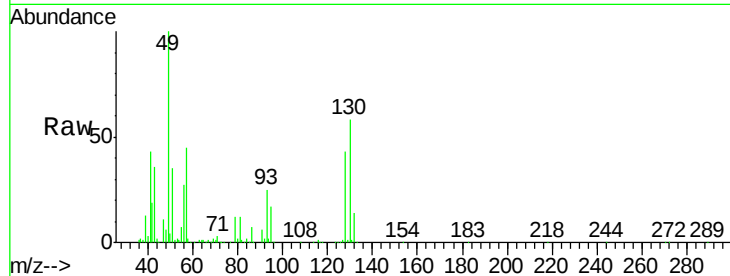
#26
Hexane
Concen: 1.13 ppbv
RT: 5.86 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032271.D
Acq: 18 Jul 2018 21:48

Instrument :
MSVOA_L
ClientSampled :
B-1DL

Tot Ion	57	Resp	202077
Ion Ratio	Lower	Upper	
57	100		
41	93.3	67.9	101.9
43	79.5	175.9	263.9#
56	58.6	41.9	62.9

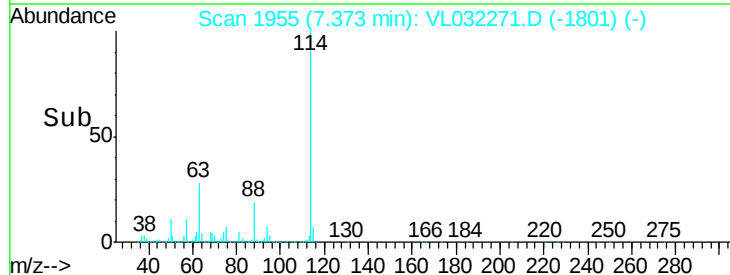
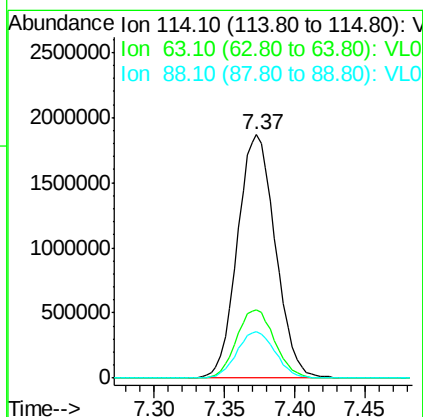
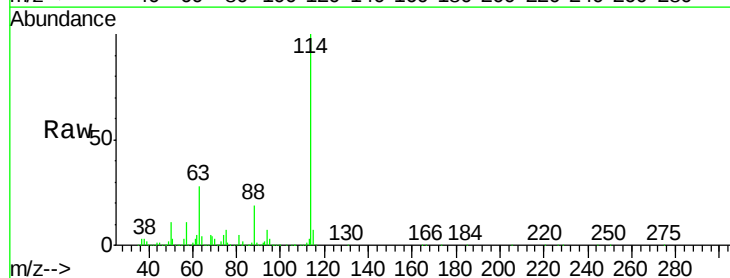
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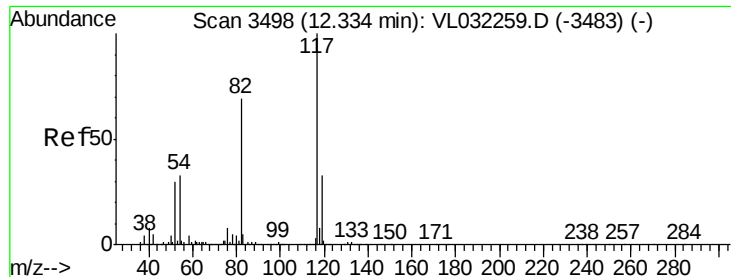
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 7.37 min Scan# 1955
Delta R.T. -0.01 min
Lab File: VL032271.D
Acq: 18 Jul 2018 21:48

Tgt Ion	114	Resp	3518783
Ion Ratio	Lower	Upper	
114	100		
63	28.4	22.6	33.8
88	19.3	15.2	22.8





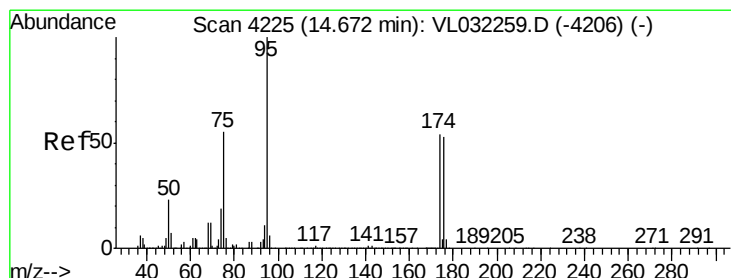
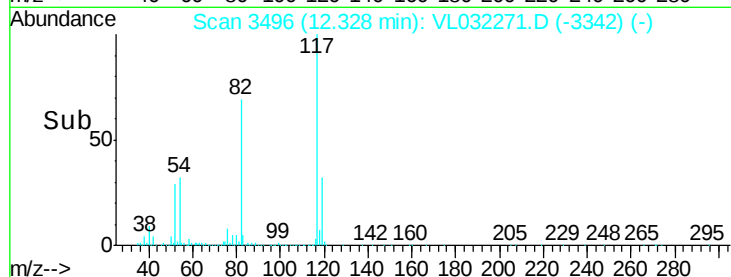
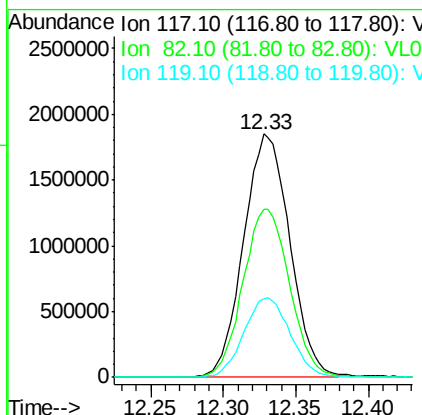
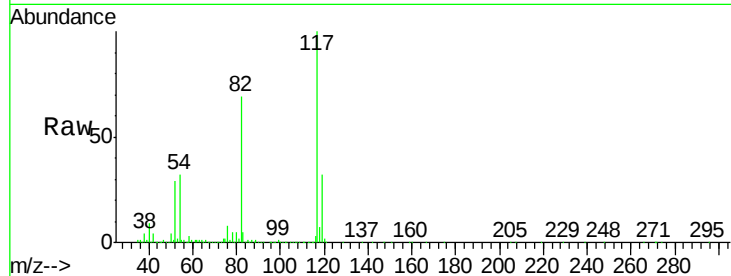
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.33 min Scan# 3496
Delta R.T. -0.01 min
Lab File: VL032271.D
Acq: 18 Jul 2018 21:48

Instrument :
MSVOA_L
ClientSampled :
B-1DL

Tot Ion: 117 Resp: 4099046
Ion Ratio Lower Upper
117 100
82 70.3 53.9 80.9
119 33.1 25.5 38.3

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.71 ppbv
RT: 14.67 min Scan# 4224
Delta R.T. -0.00 min
Lab File: VL032271.D
Acq: 18 Jul 2018 21:48

Tgt Ion: 95 Resp: 3227652
Ion Ratio Lower Upper
95 100
174 56.2 44.3 66.5
175 3.9 3.3 4.9

