

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL071818\
 Data File : VL032286.D
 Acq On : 19 Jul 2018 7:42
 Operator : SY/AP
 Sample : J3454-08DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 B-13DL

Manual Integrations
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 7/20/2018 2:53:32 PM

Quant Time: Jul 19 08:21:20 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	1638520	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.37	114	3394149	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.32	117	4028333	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.66	95	3194703	9.78	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	97.80%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.07	51	27599m	0.15	ppbv	
9) Propene	3.10	41	8028m	0.10	ppbv	
13) Ethanol	3.71	45	165854m	7.22	ppbv	
15) Acetone	3.97	43	191415	1.12	ppbv	97
19) Isopropyl Alcohol	4.12	45	37732m	0.33	ppbv	
20) Methylene Chloride	4.48	84	19164m	0.29	ppbv	
26) Hexane	5.85	57	284706	1.66	ppbv #	42
59) m/p-Xylene	13.21	91	52033m	0.11	ppbv	

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

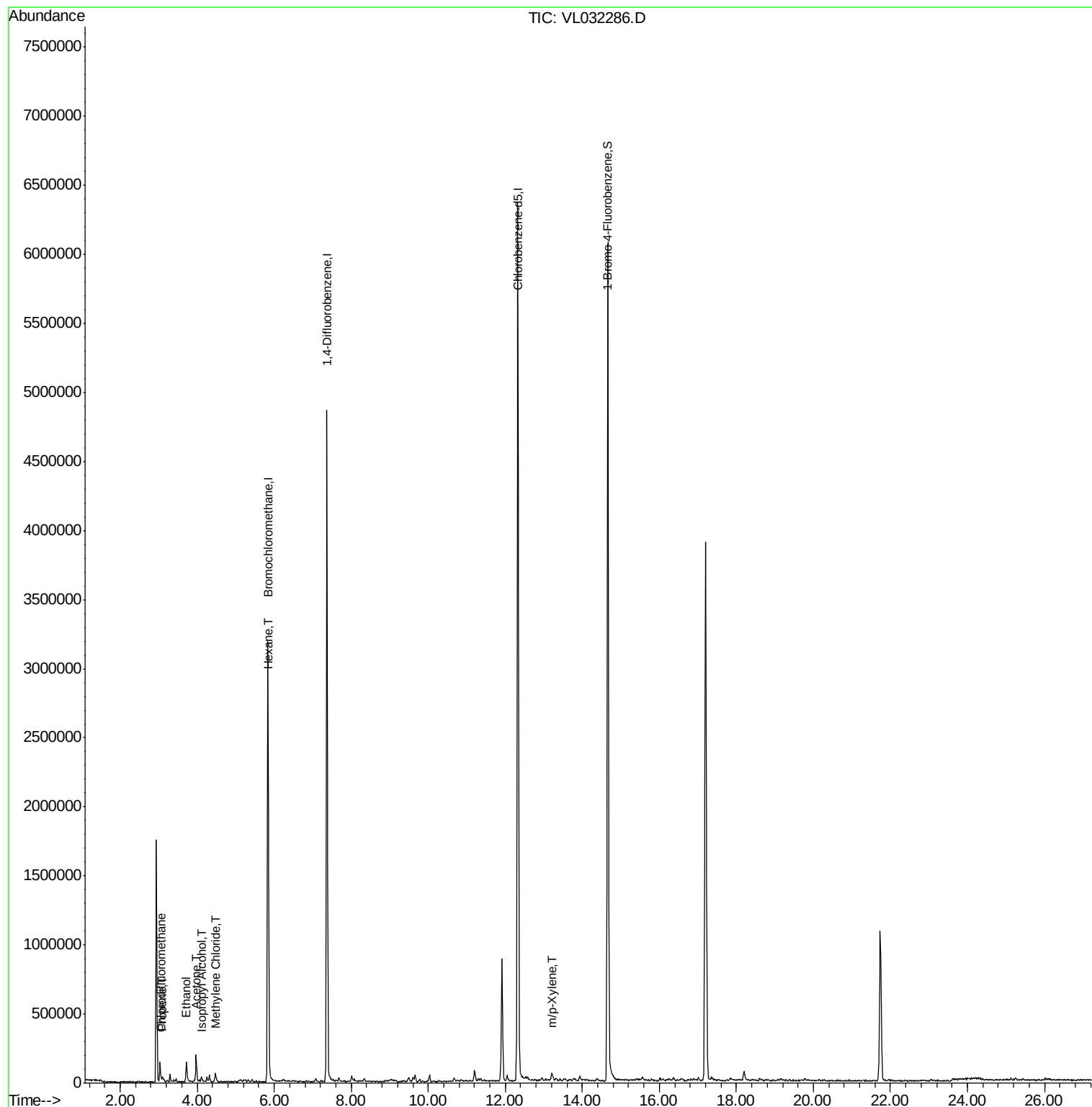
Data Path : Z:\V0ASRV\HPCHEM1\MSVOA L\DATA\VL071818\
Data File : VL032286.D
Acq On : 19 Jul 2018 7:42
Operator : SY/AP
Sample : J3454-08DL 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

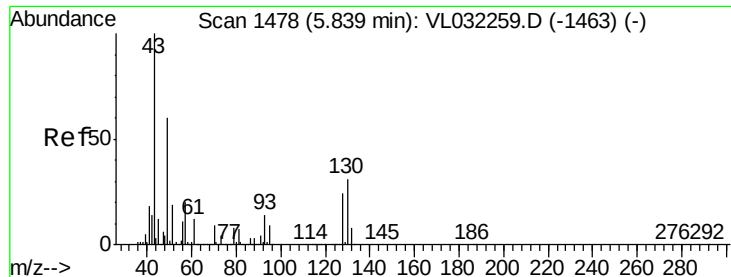
Instrument :
MSVOA_L
ClientSampleId :
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA L\METHODS\VL071818AIR.M
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QLast Update : Wed Jul 18 14:38:53 2018
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#1

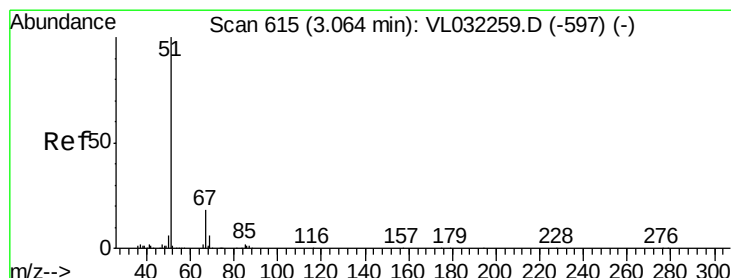
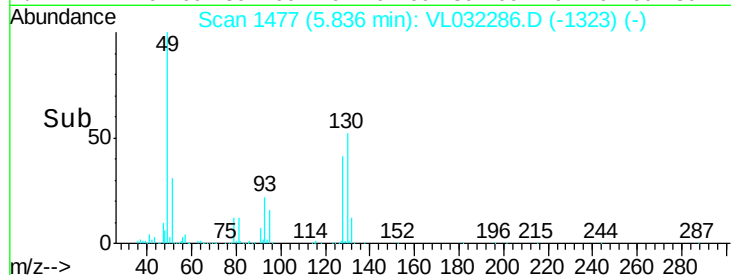
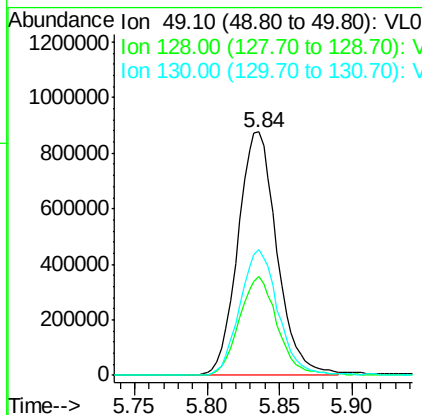
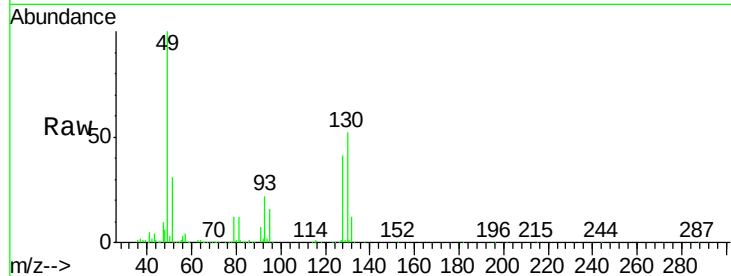
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.84 min Scan# 1477
 Delta R.T. -0.00 min
 Lab File: VL032286.D
 Acq: 19 Jul 2018 7:42

Instrument :
 MSVOA_L
 ClientSampleId :
 B-13DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	40.0	20.1	60.2
130	51.6	25.9	77.6

Manual Integrations
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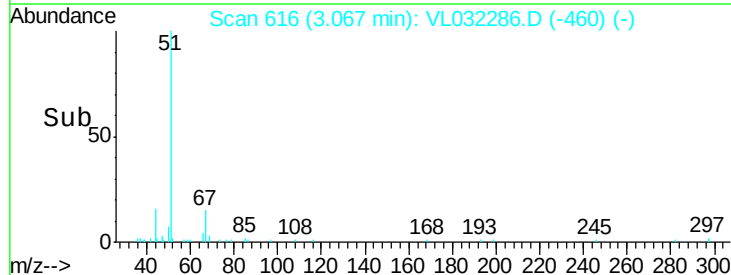
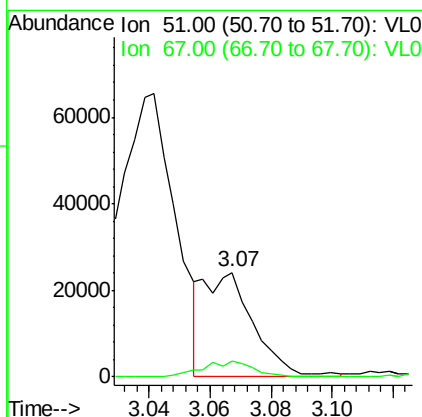
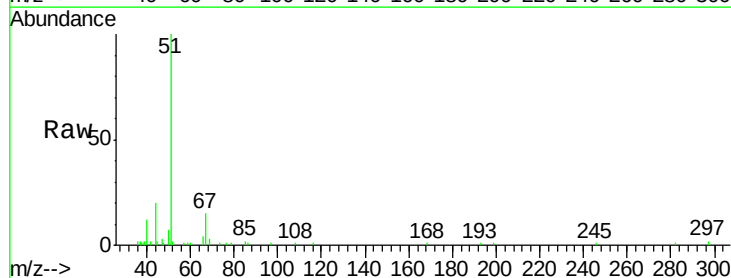
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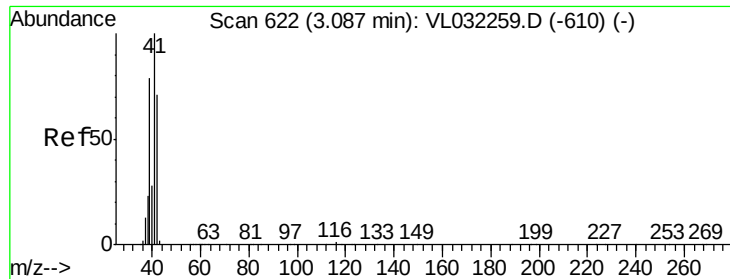


#3

Chlorodifluoromethane
 Concen: 0.15 ppbv m
 RT: 3.07 min Scan# 616
 Delta R.T. 0.00 min
 Lab File: VL032286.D
 Acq: 19 Jul 2018 7:42

Tgt Ion	Ratio	Lower	Upper
51	100		
67	15.9	14.2	21.4





#9

Propene

Concen: 0.10 ppbv m

RT: 3.10 min Scan# 627

Delta R.T. 0.02 min

Lab File: VL032286.D

Acq: 19 Jul 2018 7:42

Instrument :

MSVOA_L

ClientSampleId :

B-13DL

Tot Ion: 41 Resp: 8028

Ion Ratio Lower Upper

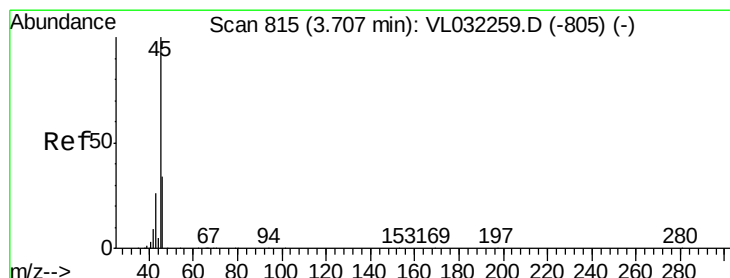
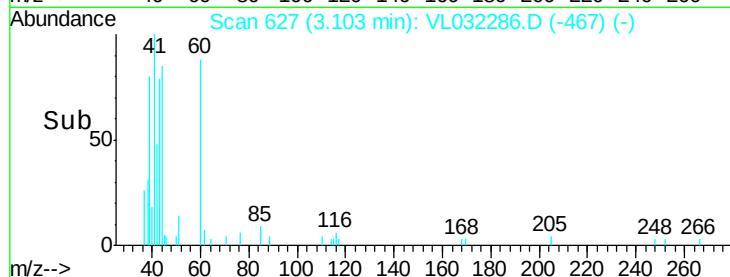
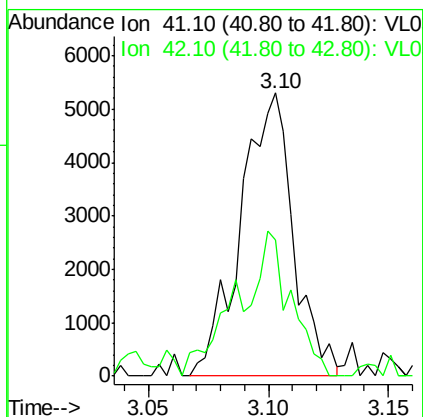
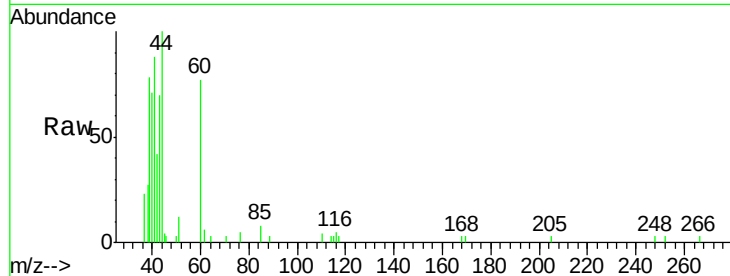
41 100

42 58.4 56.2 84.4

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#13

Ethanol

Concen: 7.22 ppbv m

RT: 3.71 min Scan# 817

Delta R.T. 0.01 min

Lab File: VL032286.D

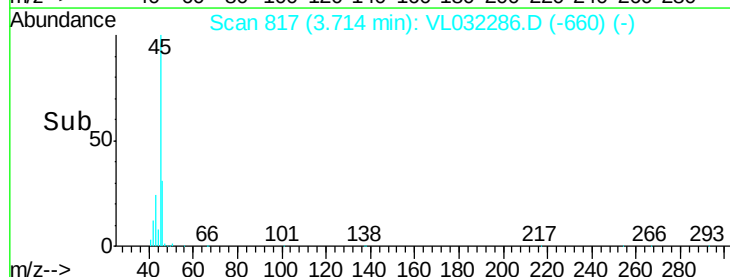
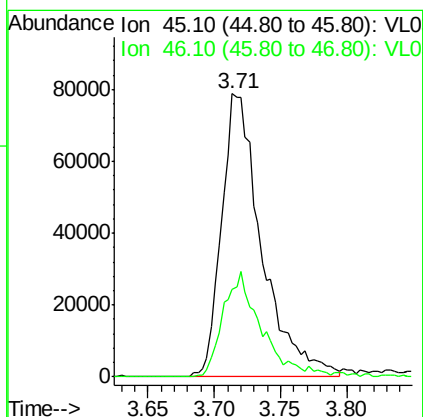
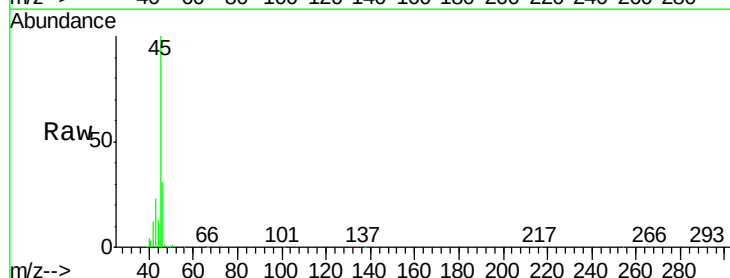
Acq: 19 Jul 2018 7:42

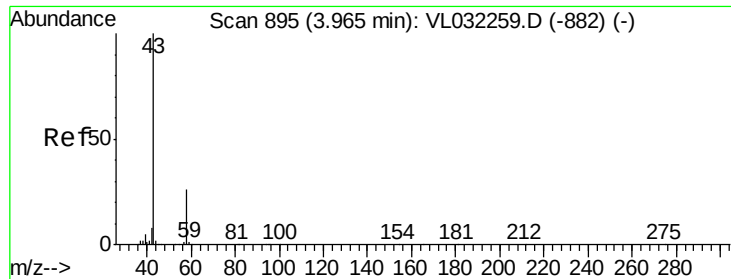
Tgt Ion: 45 Resp: 165854

Ion Ratio Lower Upper

45 100

46 36.5 15.2 60.8





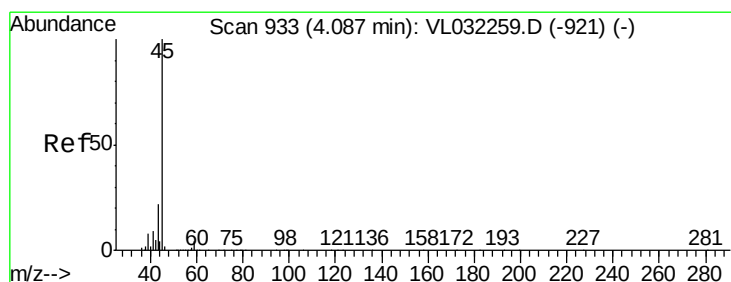
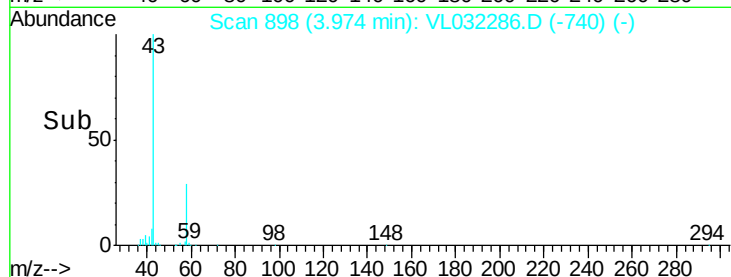
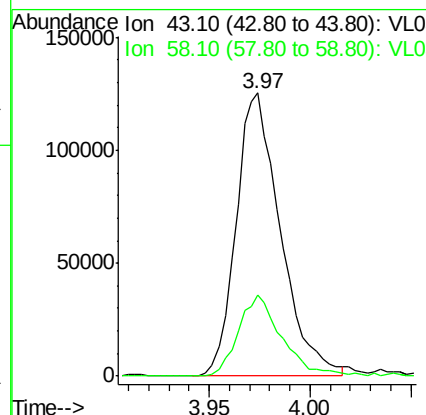
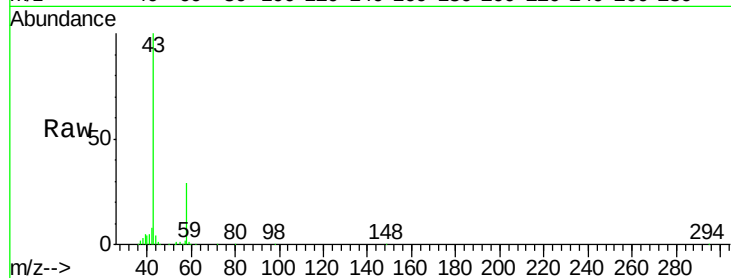
#15
Acetone
Concen: 1.12 ppbv
RT: 3.97 min Scan# 898
Delta R.T. 0.01 min
Lab File: VL032286.D
Acq: 19 Jul 2018 7:42

Instrument :
MSVOA_L
ClientSampled :
B-13DL

Tot Ion	43	Resp	191415
Ion Ratio	100	Lower	Upper
43	100		
58	28.9	21.8	32.6

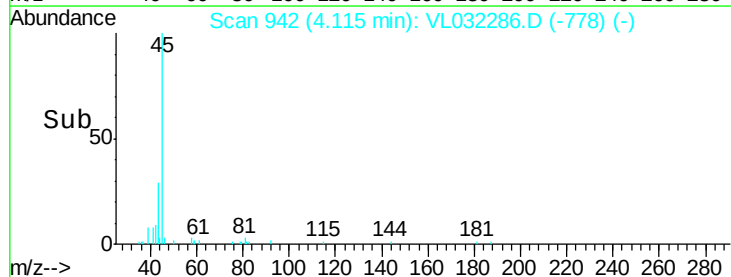
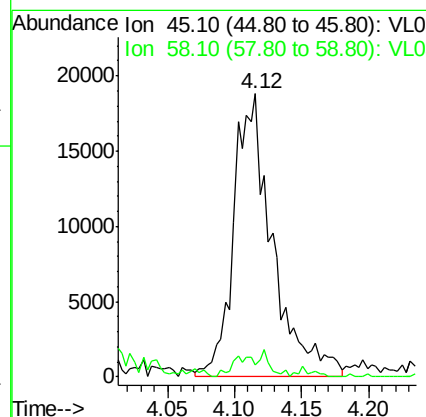
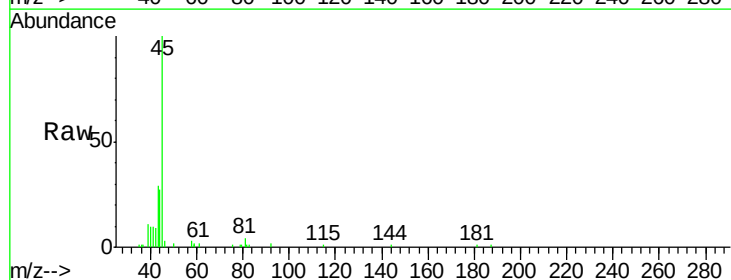
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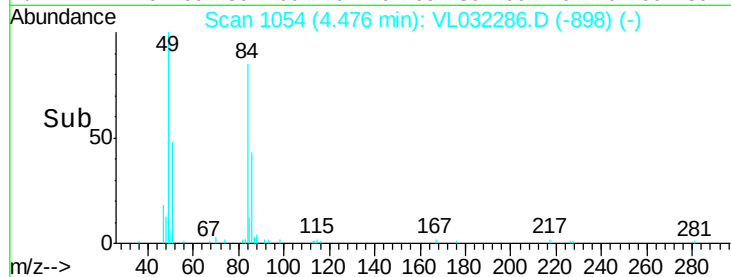
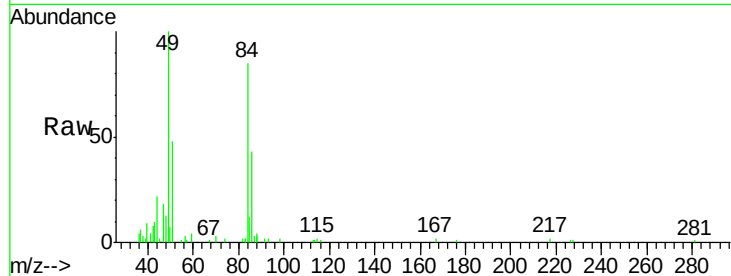
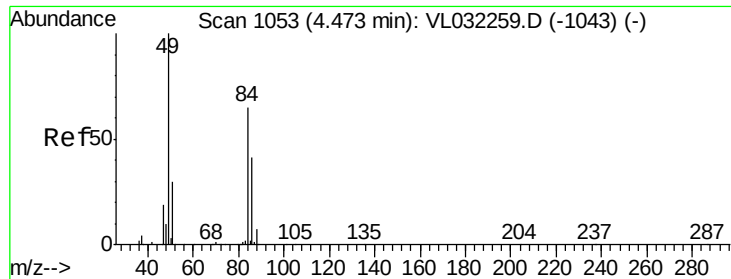
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#19
Isopropyl Alcohol
Concen: 0.33 ppbv m
RT: 4.12 min Scan# 942
Delta R.T. 0.03 min
Lab File: VL032286.D
Acq: 19 Jul 2018 7:42

Tgt Ion	45	Resp	37732
Ion Ratio	100	Lower	Upper
45	100		
58	0.0	1.5	2.3#





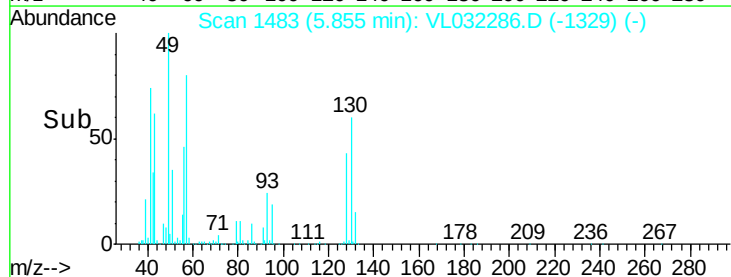
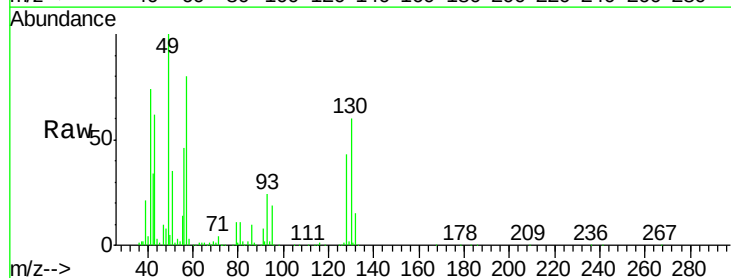
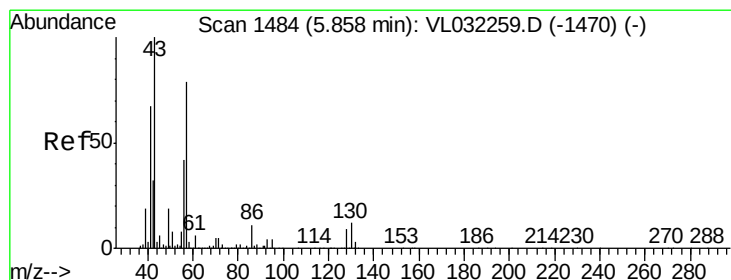
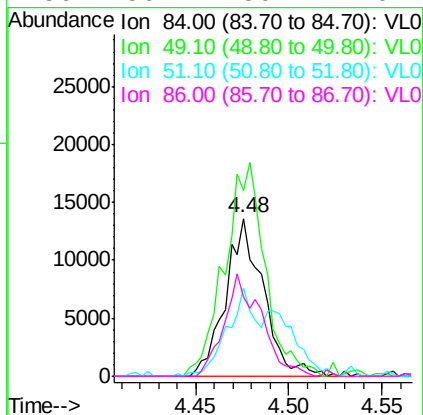
#20
Methvlene Chloride
Concen: 0.29 ppbv m
RT: 4.48 min Scan# 1054
Delta R.T. 0.00 min
Lab File: VL032286.D
Acq: 19 Jul 2018 7:42

Tot Ion	Ratio	Lower	Upper
84	100		
49	117.7	122.4	183.6#
51	56.3	36.8	55.2#
86	50.4	50.7	76.1#

Instrument :
MSVOA_L
ClientSampled :
B-13DL

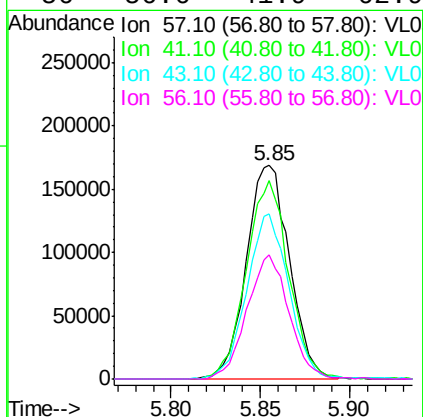
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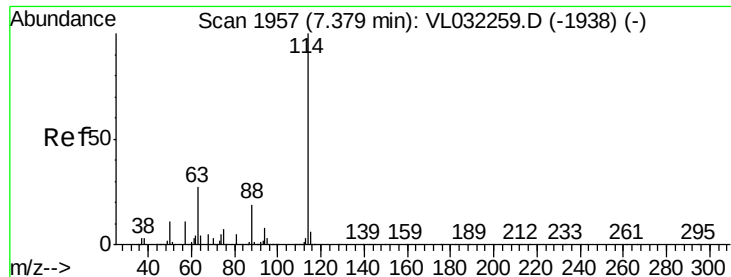
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#26
Hexane
Concen: 1.66 ppbv
RT: 5.85 min Scan# 1483
Delta R.T. -0.00 min
Lab File: VL032286.D
Acq: 19 Jul 2018 7:42

Tgt Ion	Ratio	Lower	Upper
57	100		
41	91.9	67.9	101.9
43	76.1	175.9	263.9#
56	56.6	41.9	62.9





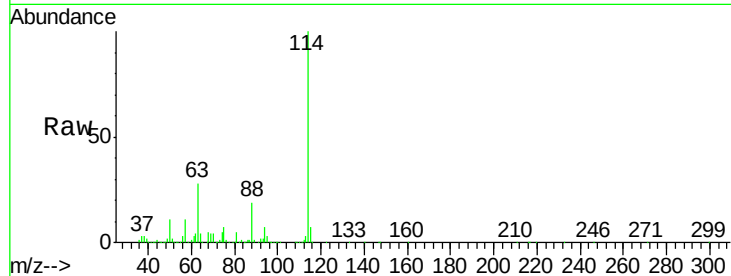
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.37 min Scan# 1954
 Delta R.T. -0.01 min
 Lab File: VL032286.D
 Acq: 19 Jul 2018 7:42

Instrument :
 MSVOA_L
 ClientSampleId :
 B-13DL

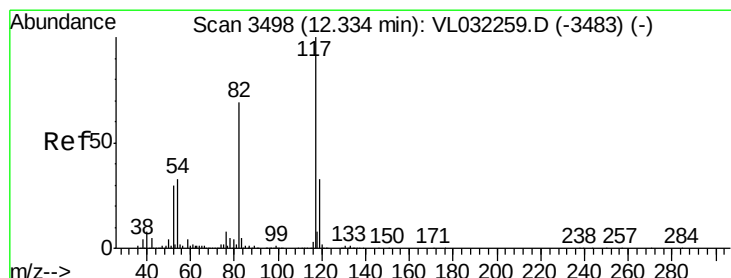
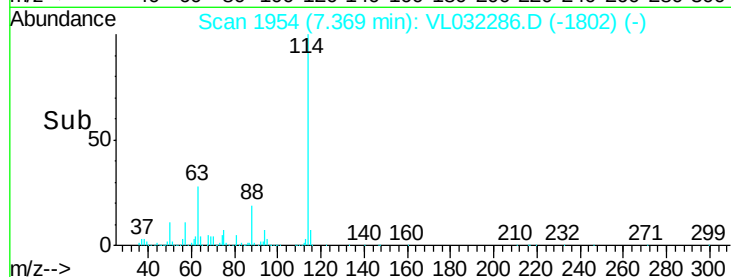
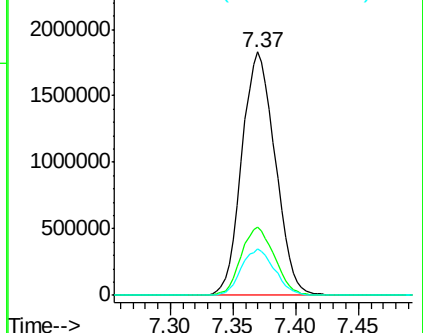
Tot Ion	Ratio	Lower	Upper
114	100		
63	28.1	22.6	33.8
88	19.2	15.2	22.8

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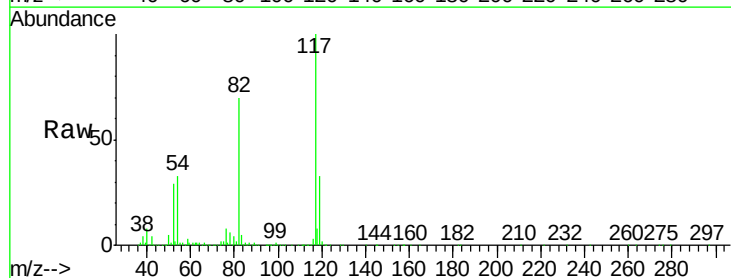


Abundance Ion 114.10 (113.80 to 114.80): V
 Ion 63.10 (62.80 to 63.80): VL0
 Ion 88.10 (87.80 to 88.80): VL0

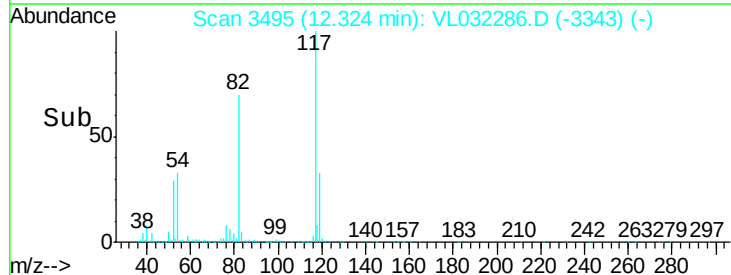
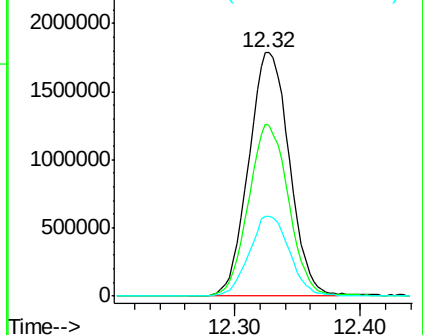


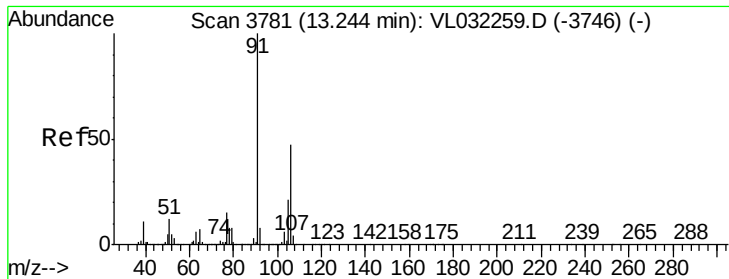
#55
 Chlorobenzene-d5
 Concen: 10.00 ppbv
 RT: 12.32 min Scan# 3495
 Delta R.T. -0.01 min
 Lab File: VL032286.D
 Acq: 19 Jul 2018 7:42

Tgt Ion	Ratio	Lower	Upper
117	100		
82	70.1	53.9	80.9
119	32.7	25.5	38.3



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





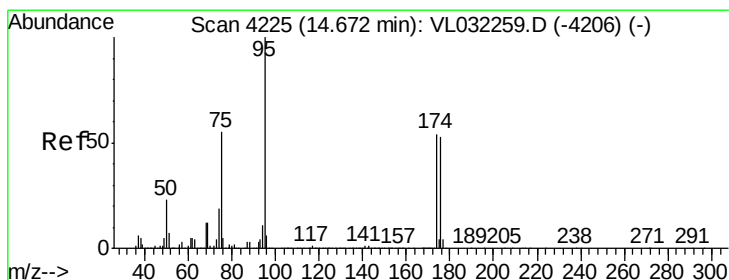
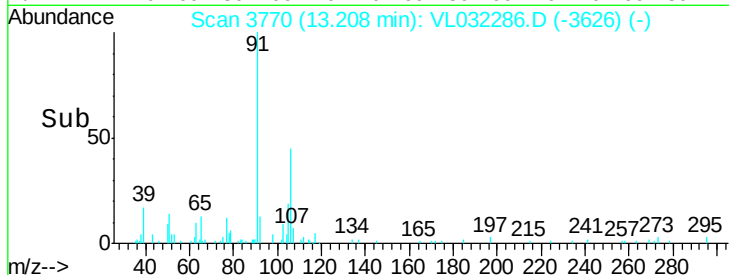
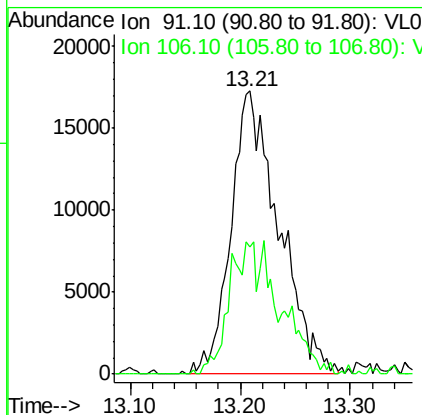
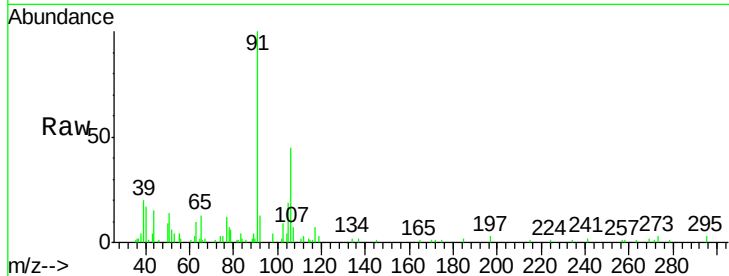
#59
m/p-Xylene
Concen: 0.11 ppbv m
RT: 13.21 min Scan# 3770
Delta R.T. -0.04 min
Lab File: VL032286.D
Acq: 19 Jul 2018 7:42

Instrument :
MSVOA_L
ClientSampled :
B-13DL

Tot Ion: 91 Resp: 52033
Ion Ratio Lower Upper
91 100
106 0.0 36.2 54.2#

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#68
1-Bromo-4-Fluorobenzene
Concen: 9.78 ppbv
RT: 14.66 min Scan# 4222
Delta R.T. -0.01 min
Lab File: VL032286.D
Acq: 19 Jul 2018 7:42

Tgt Ion: 95 Resp: 3194703
Ion Ratio Lower Upper
95 100
174 55.6 44.3 66.5
175 4.0 3.3 4.9

