

Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
 Data File : VL033526.D
 Acq On : 30 Mar 2019 6:53
 Operator : SY/AP
 Sample : K2042-09DL 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1-MAIN-DECT-ROOMDL

Manual Integrations
 APPROVED

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 4/1/2019 4:03:34 AM

Quant Time: Mar 31 01:03:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar 2
 QLast Update : Tue Mar 26 16:00:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.76	49	756622	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.29	114	1711819	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.24	117	1747110	10.00	ppbv	0.00

System Monitoring Compounds						
68) 1-Bromo-4-Fluorobenzene	14.58	95	1343700	9.81	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	98.10%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.05	41	9521m	0.260	ppbv	
13) Ethanol	3.65	45	202199	21.360	ppbv	65
15) Acetone	3.90	43	128897	1.417	ppbv	98
20) Methylene Chloride	4.41	84	63239	1.638	ppbv	94
26) Hexane	5.78	57	49109	0.654	ppbv #	38
38) Trichloroethene	7.96	130	47309m	0.875	ppbv	
53) Toluene	9.95	91	33618m	0.201	ppbv	

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

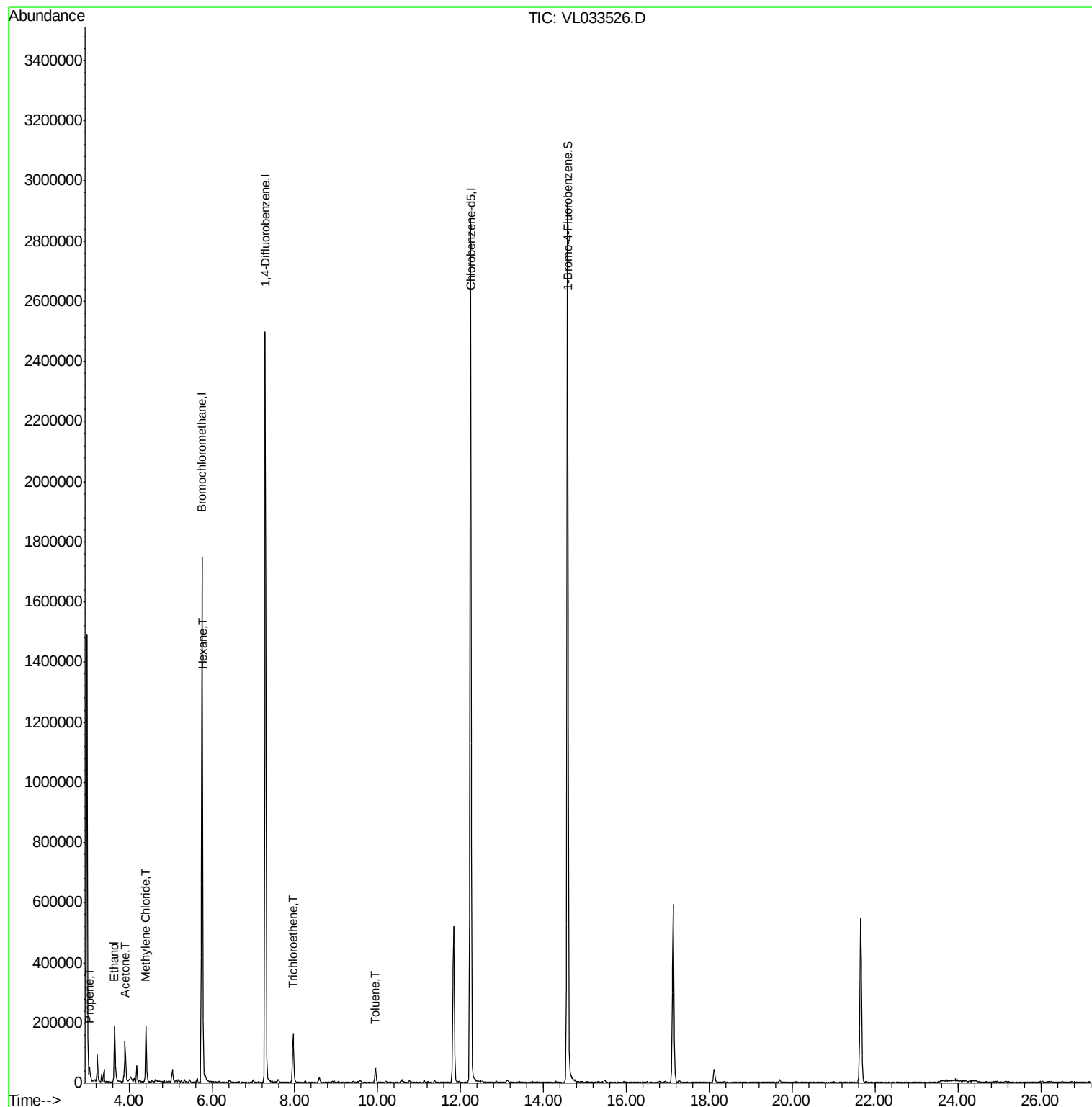
Data Path : Z:\VOASRV\HPCHEM1\MSVOA L\DATA\VL032919\
Data File : VL033526.D
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Quant Time: Mar 31 01:03:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA L\METHODS\VL032519AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Tue Mar
QLast Update : Tue Mar 26 16:00:50 2019
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 5.76 min Scan# 878

Delta R.T. -0.00 min

Lab File: VL033526.D

Acq: 30 Mar 2019 6:53

Instrument :

MSVOA_L

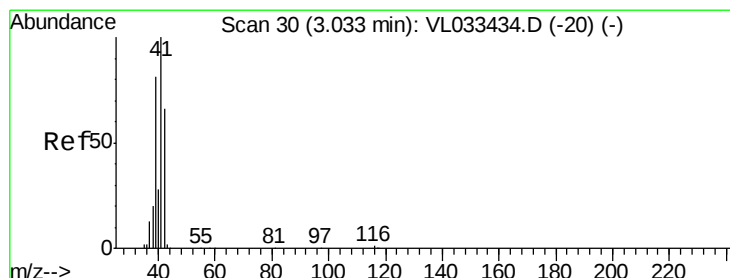
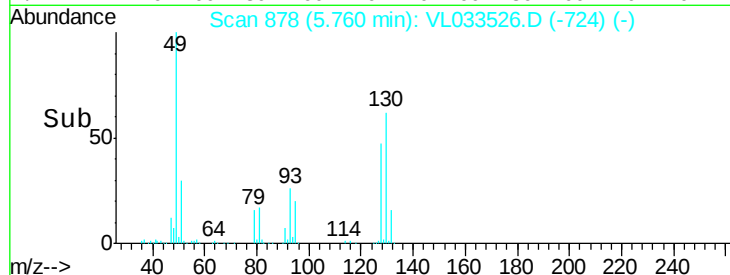
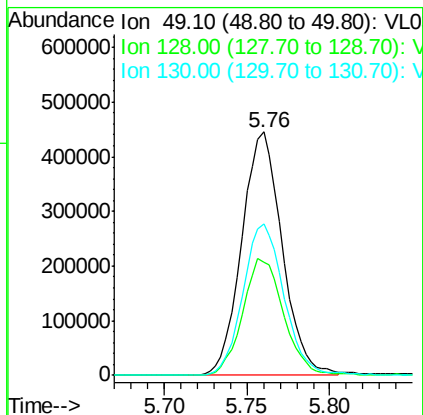
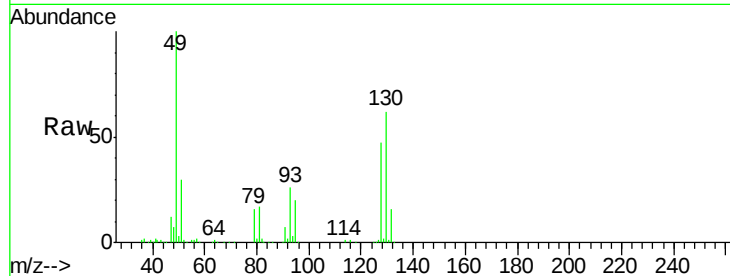
ClientSampleId :

SG-1-MAIN-DECT-ROOMDL

Tot Ion:	49	Resp:	756622
Ion	Ratio	Lower	Upper
49	100		
128	49.1	24.0	72.0
130	63.7	31.2	93.6

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#9

Propene

Concen: 0.260 ppbv m

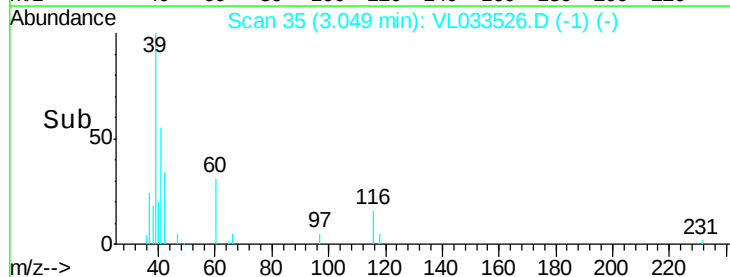
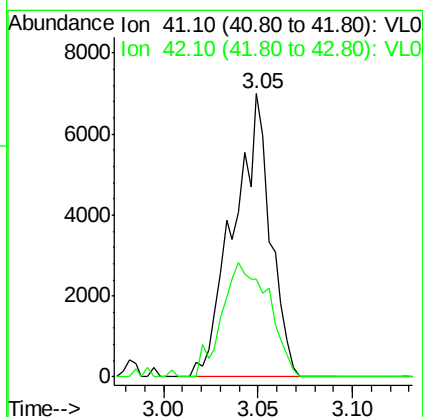
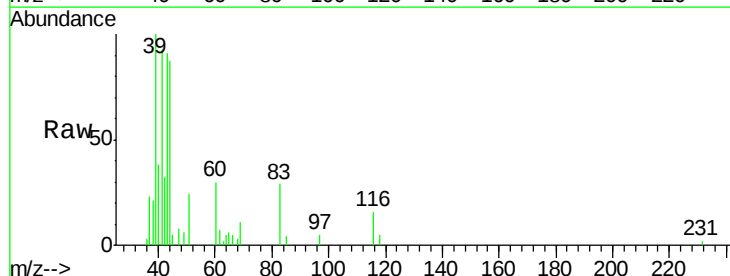
RT: 3.05 min Scan# 35

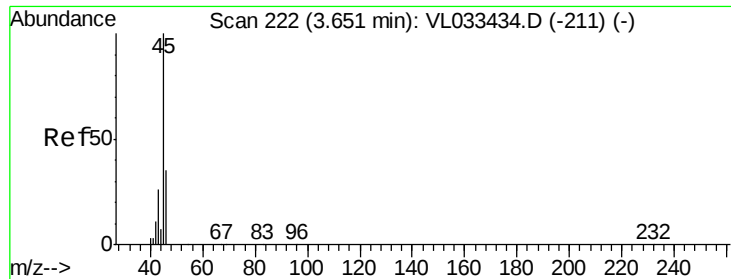
Delta R.T. 0.02 min

Lab File: VL033526.D

Acq: 30 Mar 2019 6:53

Tgt Ion:	41	Resp:	9521
Ion	Ratio	Lower	Upper
41	100		
42	168.1	53.9	80.9#





#13

Ethanol

Concen: 21.360 ppbv

RT: 3.65 min Scan# 223

Delta R.T. 0.00 min

Lab File: VL033526.D

Acq: 30 Mar 2019 6:53

Instrument :

MSVOA_L

ClientSampleId :

SG-1-MAIN-DECT-ROOMDL

Tot Ion: 45 Resp: 202199

Ion Ratio Lower Upper

45 100

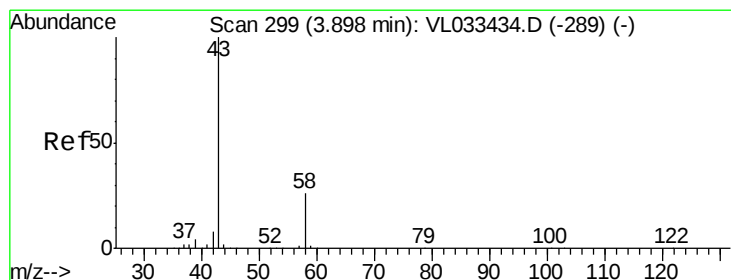
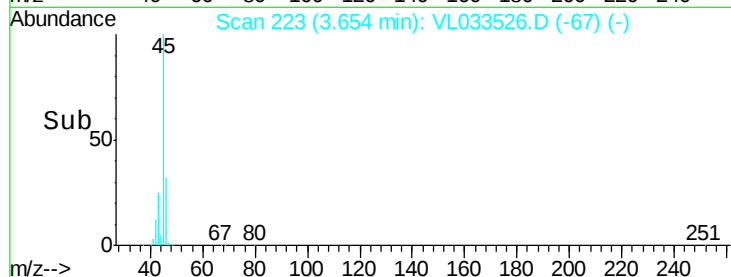
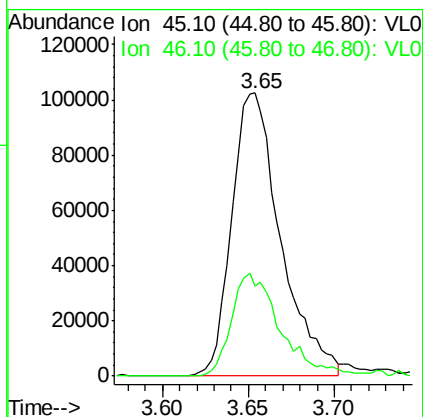
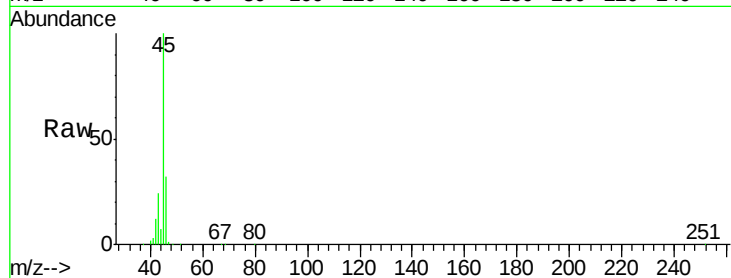
46 36.2 25.4 101.8

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#15

Acetone

Concen: 1.417 ppbv

RT: 3.90 min Scan# 301

Delta R.T. 0.01 min

Lab File: VL033526.D

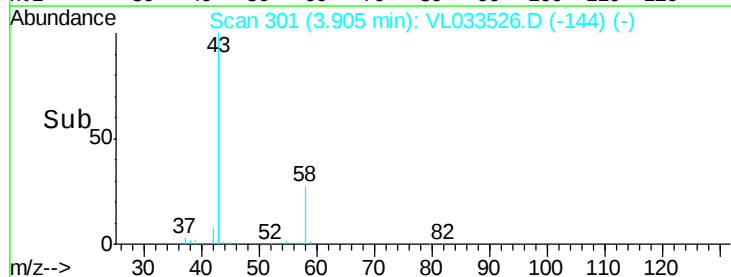
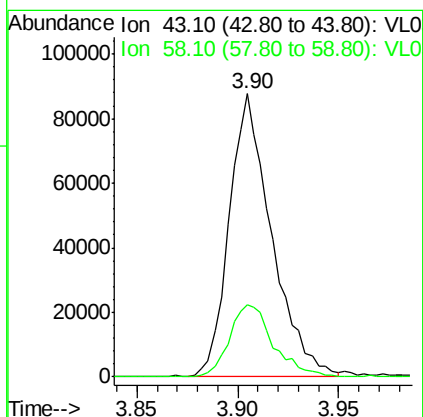
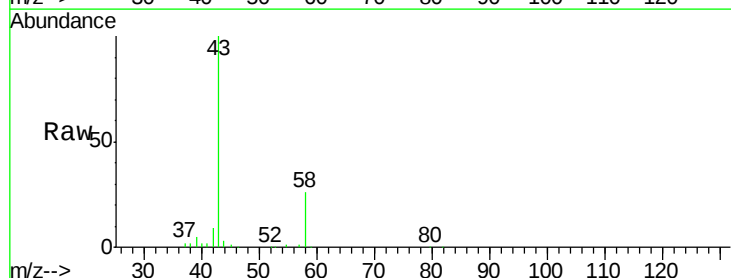
Acq: 30 Mar 2019 6:53

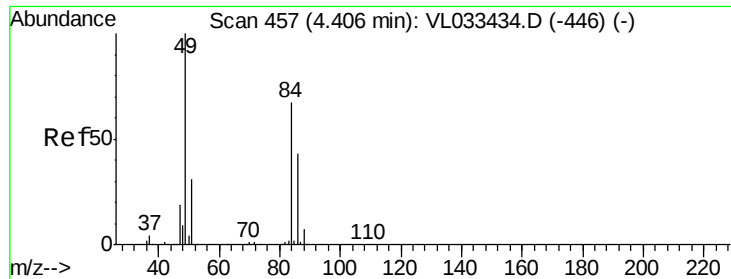
Tgt Ion: 43 Resp: 128897

Ion Ratio Lower Upper

43 100

58 26.6 20.5 30.7





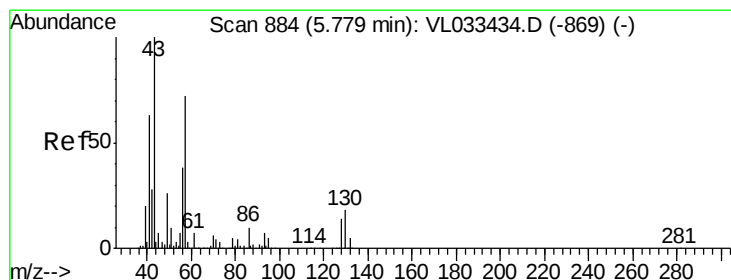
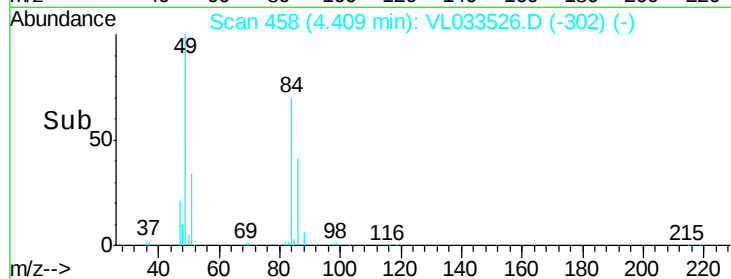
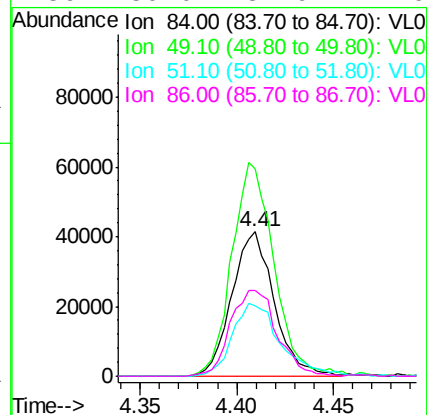
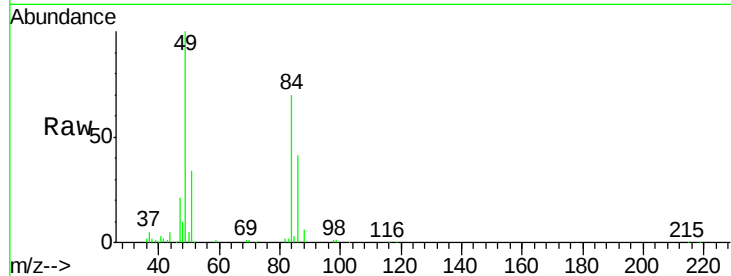
#20
Methvlene Chloride
Concen: 1.638 ppbv
RT: 4.41 min Scan# 458
Delta R.T. 0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Instrument :
MSVOA_L
ClientSampleId :
SG-1-MAIN-DECT-ROOMDL

Tot Ion	Ratio	Lower	Upper
84	100		
49	142.3	120.0	180.0
51	48.7	36.7	55.1
86	59.0	51.9	77.9

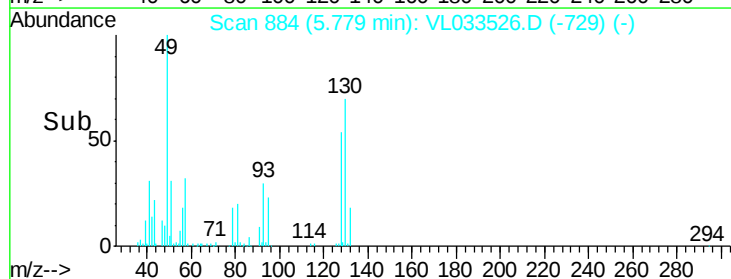
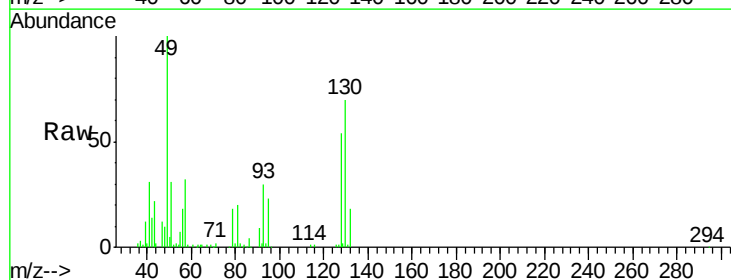
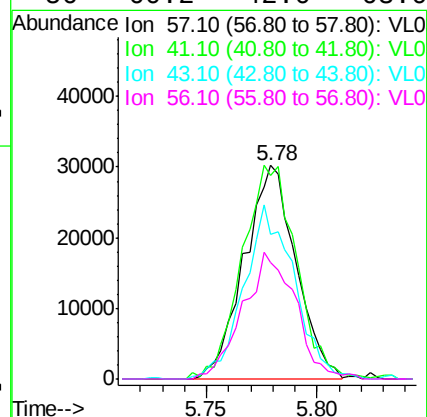
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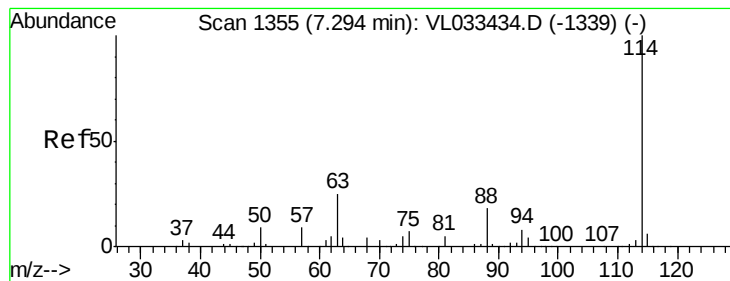
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#26
Hexane
Concen: 0.654 ppbv
RT: 5.78 min Scan# 884
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion	Ratio	Lower	Upper
57	100		
41	105.9	70.7	106.1
43	79.7	182.6	274.0
56	60.2	42.0	63.0





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 7.29 min Scan# 1354

Delta R.T. -0.00 min

Lab File: VL033526.D

Acq: 30 Mar 2019 6:53

Instrument :

MSVOA_L

ClientSampleId :

SG-1-MAIN-DECT-ROOMDL

Tot Ion:114 Resp: 1711819

Ion Ratio Lower Upper

114 100

63 26.4 21.5 32.3

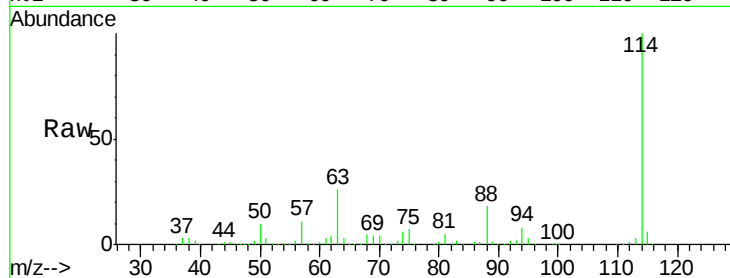
88 18.1 14.5 21.7

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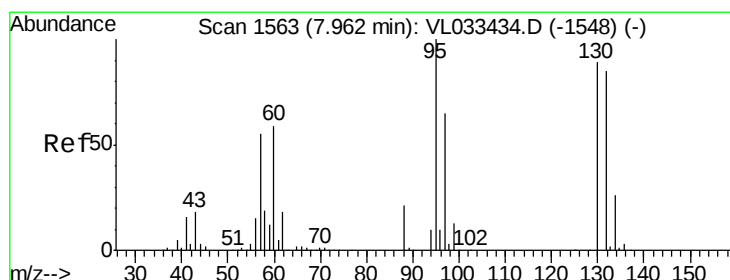
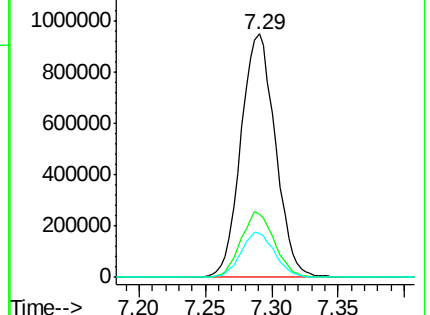
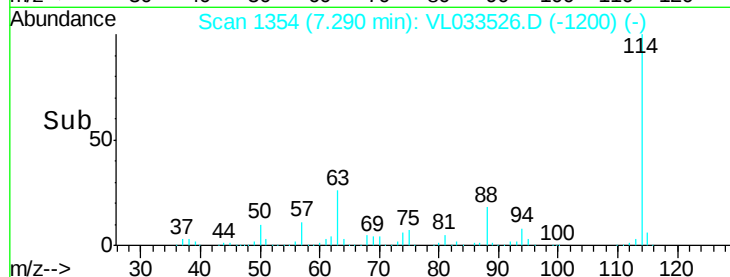
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Abundance Ion 114.10 (113.80 to 114.80): V

Ion 63.10 (62.80 to 63.80): VL0

Ion 88.10 (87.80 to 88.80): VL0



#38

Trichloroethene

Concen: 0.875 ppbv m

RT: 7.96 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VL033526.D

Acq: 30 Mar 2019 6:53

Tgt Ion:130 Resp: 47309

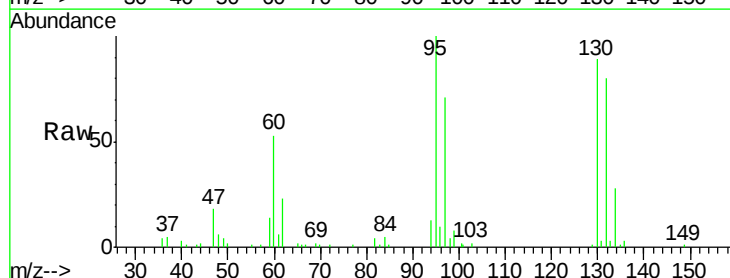
Ion Ratio Lower Upper

130 100

95 112.5 89.8 134.8

132 90.5 76.6 115.0

97 80.4 58.6 88.0

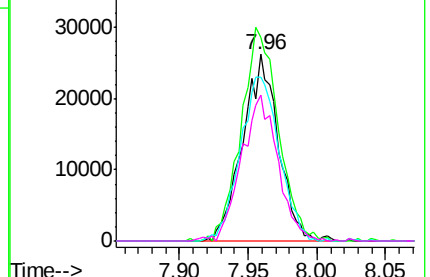
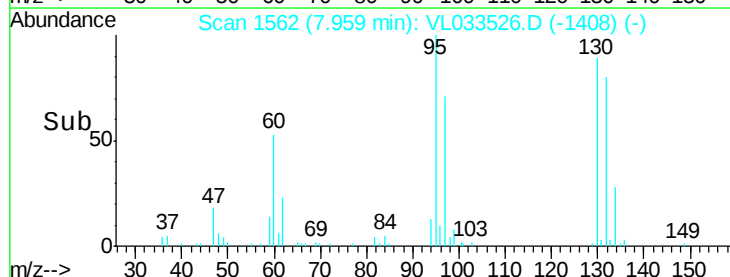


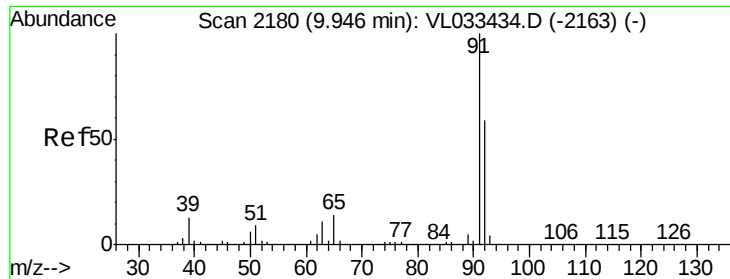
Abundance Ion 130.00 (129.70 to 130.70): V

Ion 95.00 (94.70 to 95.70): VL0

Ion 132.00 (131.70 to 132.70): V

Ion 97.00 (96.70 to 97.70): VL0





#53

Toluene

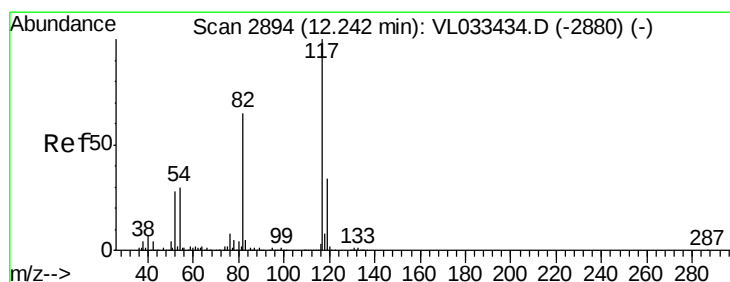
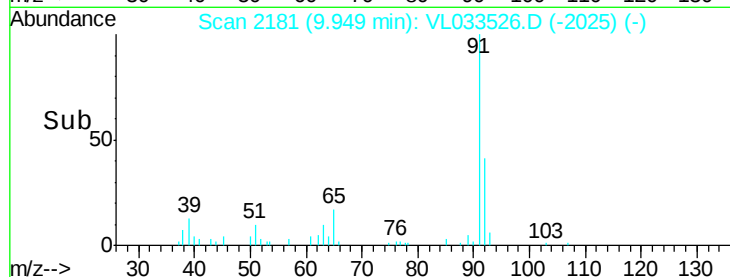
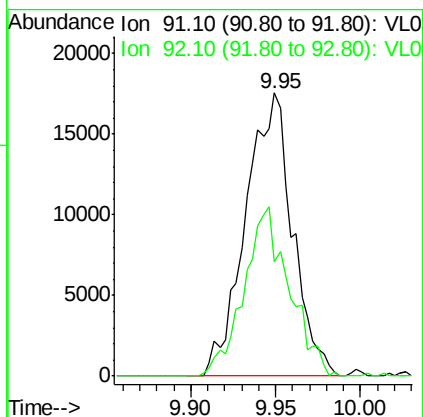
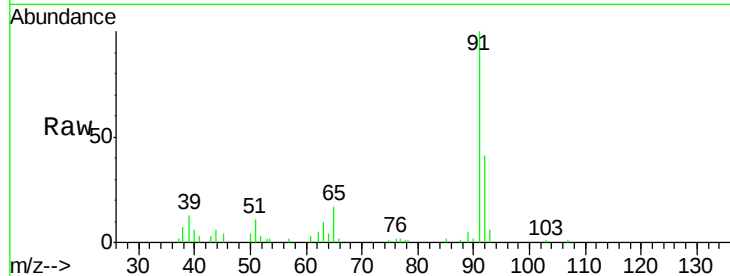
Concen: 0.201 ppbv m
RT: 9.95 min Scan# 2181
Delta R.T. 0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Instrument :
MSVOA_L
ClientSampleId :
SG-1-MAIN-DECT-ROOMDL

Tot Ion: 91 Resp: 33618
Ion Ratio Lower Upper
91 100
92 0.0 47.4 71.0#

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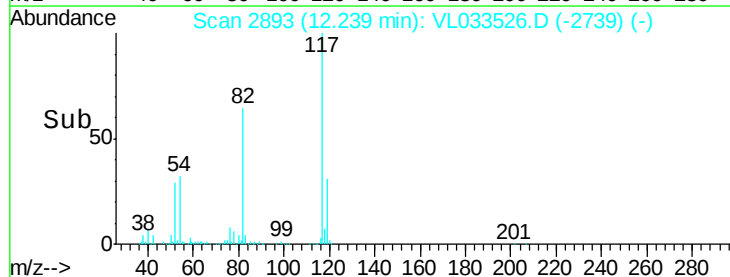
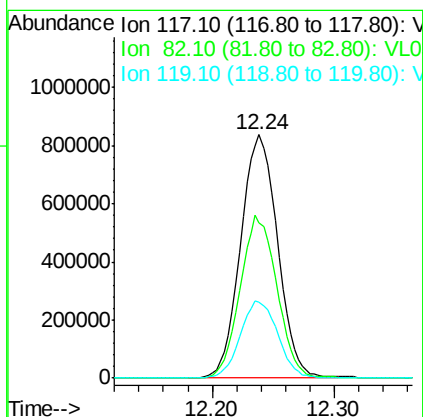
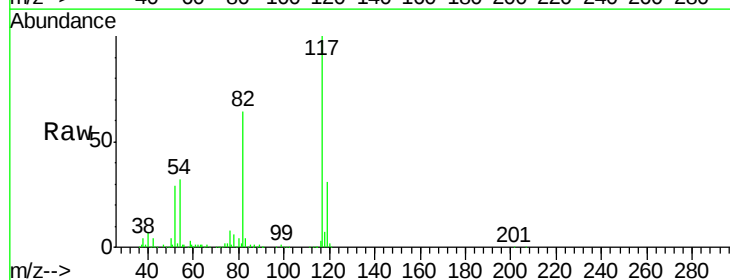


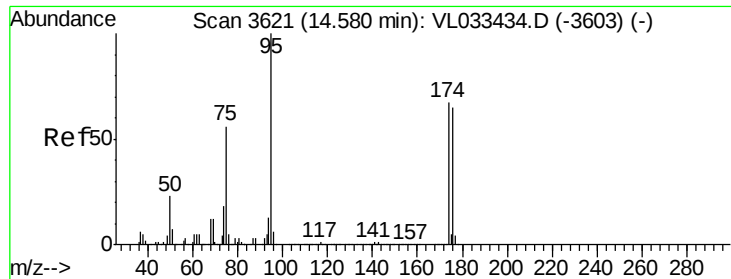
#55

Chlorobenzene-d5

Concen: 10.000 ppbv
RT: 12.24 min Scan# 2893
Delta R.T. -0.00 min
Lab File: VL033526.D
Acq: 30 Mar 2019 6:53

Tgt Ion: 117 Resp: 1747110
Ion Ratio Lower Upper
117 100
82 67.0 51.5 77.3
119 32.2 25.5 38.3





#68
 1-Bromo-4-Fluorobenzene
 Concen: 9.810 ppbv
 RT: 14.58 min Scan# 3620
 Delta R.T. -0.00 min
 Lab File: VL033526.D
 Acq: 30 Mar 2019 6:53

Instrument :
 MSVOA_L
 ClientSampleId :
 SG-1-MAIN-DECT-ROOMDL

Tot Ion	Ratio	Lower	Upper
95	100		
174	65.0	52.9	79.3
175	4.7	3.8	5.6

Manual Integrations
 APPROVED

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 4/1/2019 4:03:34 AM

