

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
 Data File : VL032041.D
 Acq On : 2 Jun 2018 4:10
 Operator : SY/AP
 Sample : J3225-01 10X
 Misc : 400ml/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Manual Integrations
 APPROVED

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 6/4/2018 3:35:57 PM

Quant Time: Jun 03 23:28:54 2018
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun 03 2018
 QLast Update : Fri Jun 01 02:31:35 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	5.86	49	1206165	10.00	ppbv	0.00
33) 1,4-Difluorobenzene	7.40	114	2230928	10.00	ppbv	0.00
55) Chlorobenzene-d5	12.36	117	2333513	10.00	ppbv	0.00

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	14.70	95	1896860	10.52	ppbv	0.00
Spiked Amount	10.000	Range	65 - 135	Recovery	=	105.20%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
9) Propene	3.11	41	66531m	1.79	ppbv	
13) Ethanol	3.73	45	105678	7.30	ppbv	100
15) Acetone	3.98	43	4593674	31.58	ppbv	98
17) tert-Butyl alcohol	4.46	59	134236	1.92	ppbv	96
19) Isopropyl Alcohol	4.12	45	77152	0.80	ppbv #	95
26) Hexane	5.89	57	42625m	0.32	ppbv	
27) Carbon Disulfide	4.72	76	136958	0.78	ppbv	96
34) 2-Butanone	5.43	43	468771	2.67	ppbv	99
38) Trichloroethene	8.09	130	7526m	0.10	ppbv	
50) 4-Methyl-2-Pentanone	9.00	43	58553	0.34	ppbv	94
51) 2-Hexanone	10.40	43	55149m	0.36	ppbv	
52) Tetrachloroethene	11.49	164	670156	8.61	ppbv	94

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

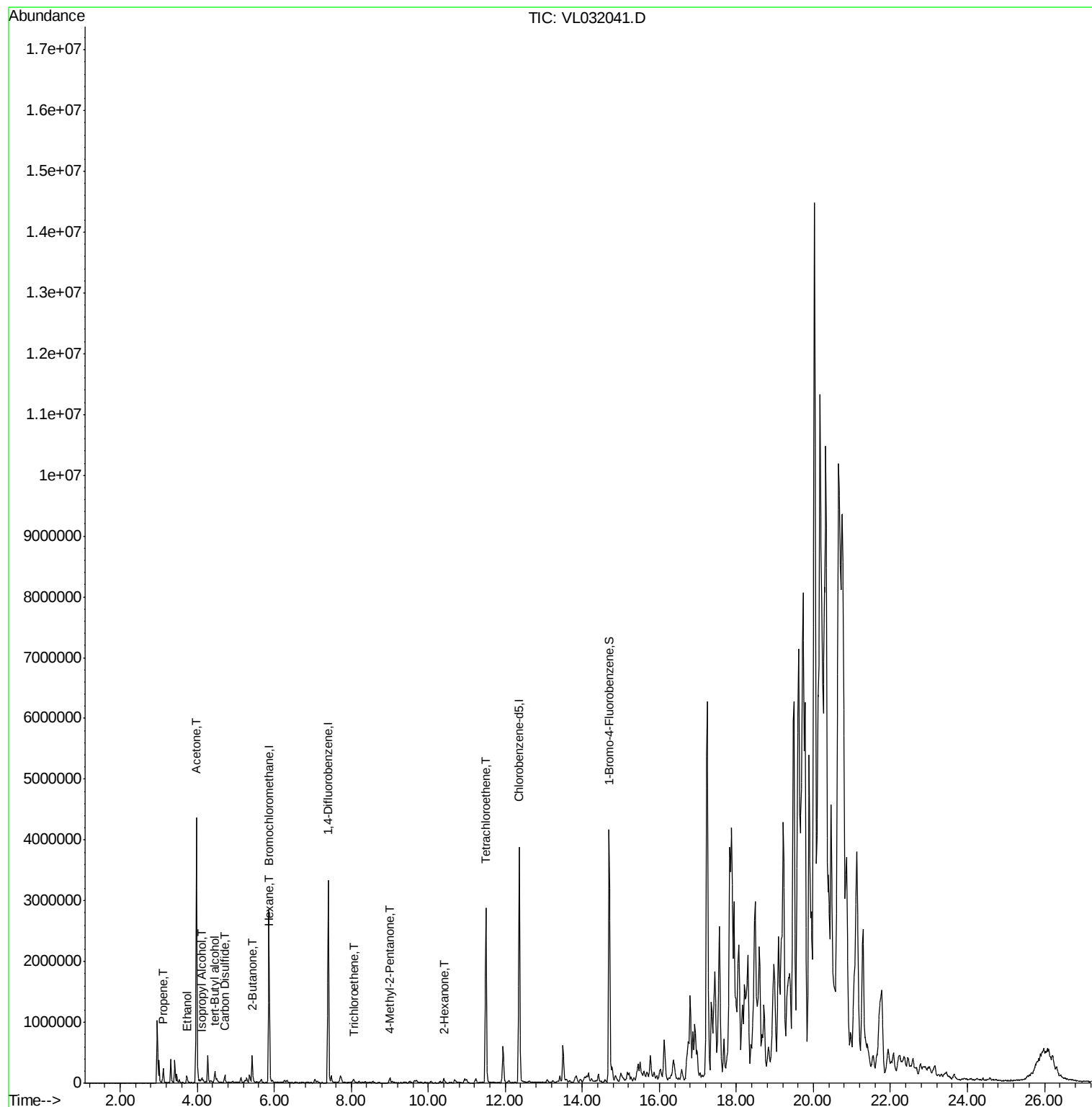
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL060118\
Data File : VL032041.D
Acq On : 2 Jun 2018 4:10
Operator : SY/AP
Sample : J3225-01 10X
Misc : 400ml/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

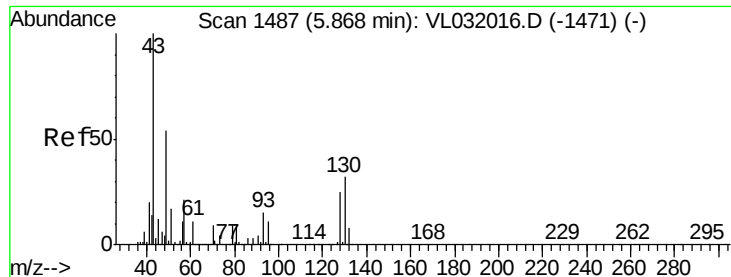
Instrument :
MSVOA_L
ClientSampleId :
SV1

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Quant Time: Jun 03 23:28:54 2018
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL053118AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Fri Jun
QLast Update : Fri Jun 01 02:31:35 2018
Response via : Initial Calibration





#1

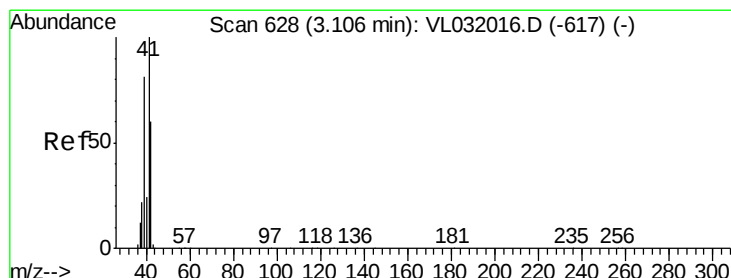
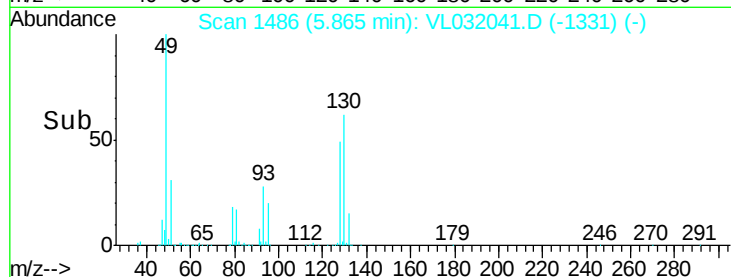
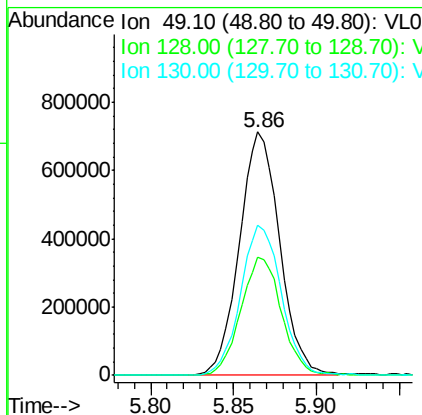
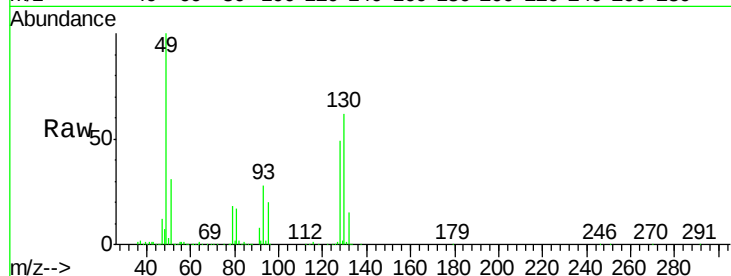
Bromochloromethane
 Concen: 10.00 ppbv
 RT: 5.86 min Scan# 1486
 Delta R.T. -0.00 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion: 49 Resp: 1206165
 Ion Ratio Lower Upper
 49 100
 128 49.2 24.1 72.3
 130 63.1 30.9 92.8

Manual Integrations
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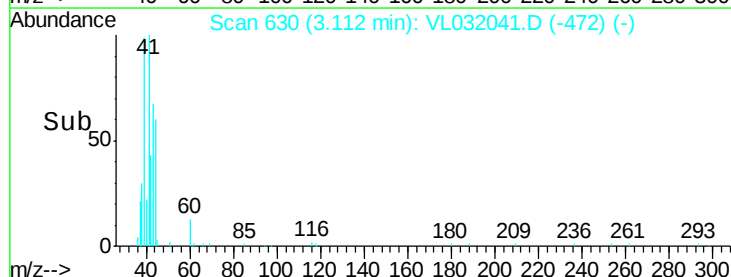
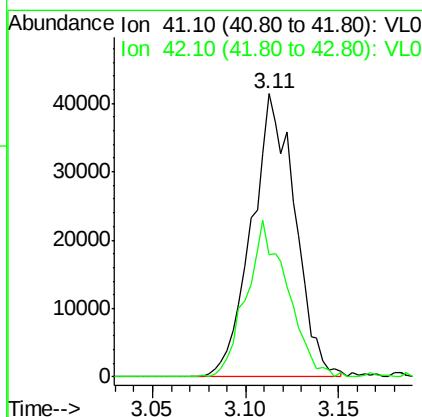
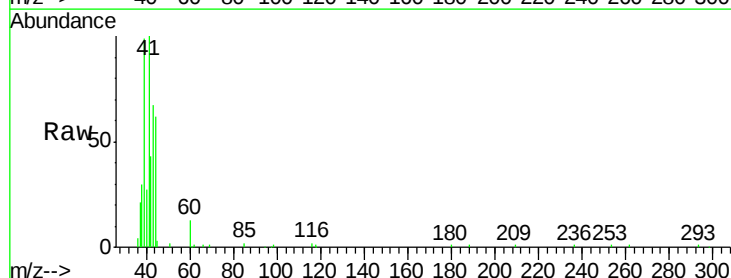
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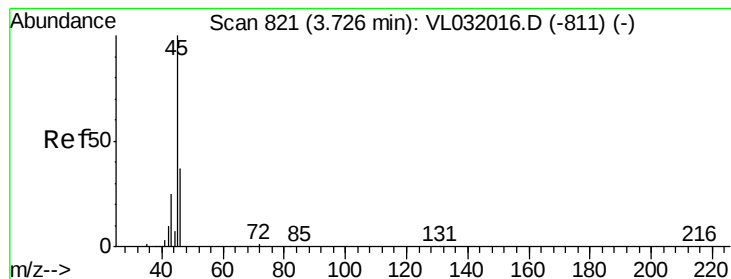


#9

Propene
 Concen: 1.79 ppbv m
 RT: 3.11 min Scan# 630
 Delta R.T. 0.01 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Tgt Ion: 41 Resp: 66531
 Ion Ratio Lower Upper
 41 100
 42 53.3 54.4 81.6#





#13

Ethanol

Concen: 7.30 ppbv

RT: 3.73 min Scan# 822

Delta R.T. 0.00 min

Lab File: VL032041.D

Acq: 2 Jun 2018 4:10

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 45 Resp: 105678

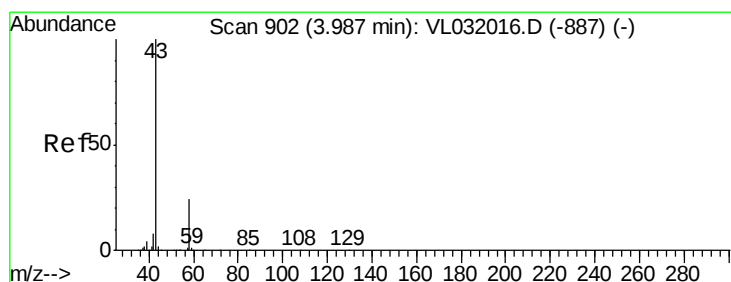
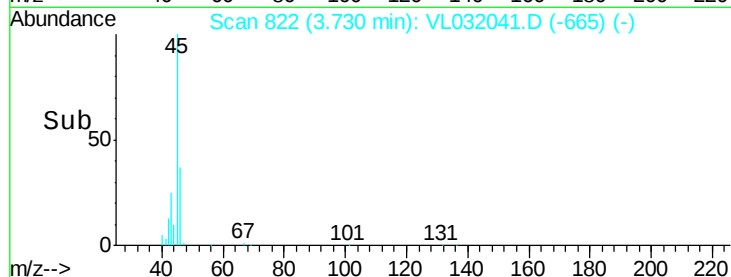
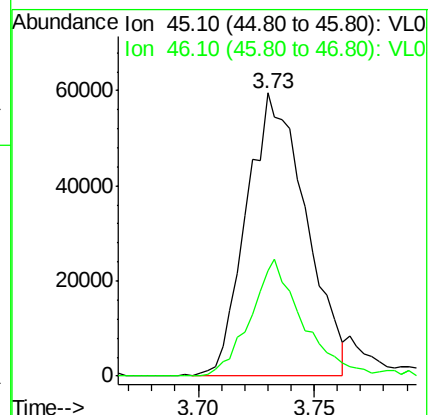
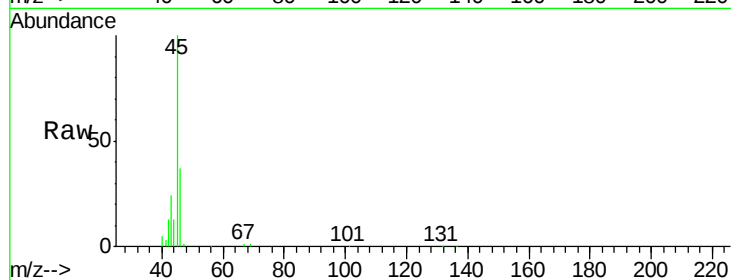
Ion Ratio Lower Upper

45 100

46 37.2 14.9 59.5

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#15

Acetone

Concen: 31.58 ppbv

RT: 3.98 min Scan# 899

Delta R.T. -0.01 min

Lab File: VL032041.D

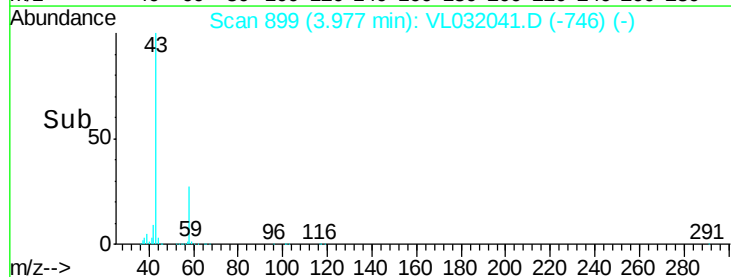
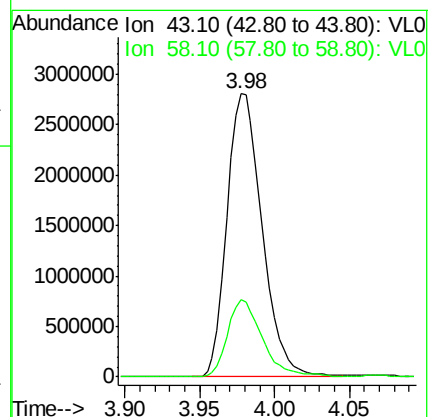
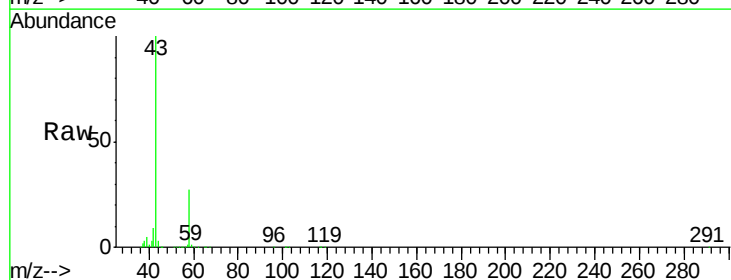
Acq: 2 Jun 2018 4:10

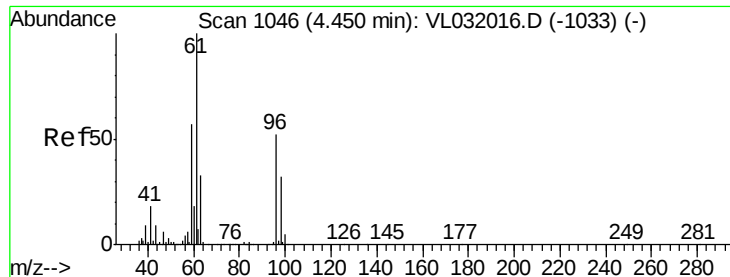
Tgt Ion: 43 Resp: 4593674

Ion Ratio Lower Upper

43 100

58 27.0 20.7 31.1





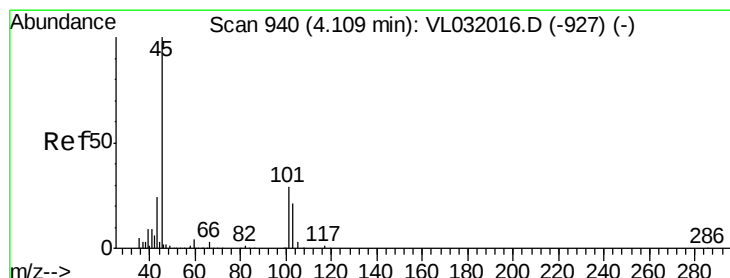
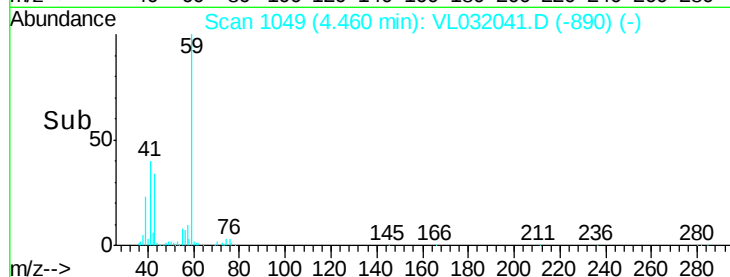
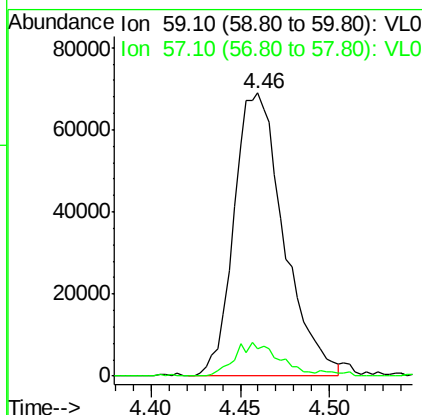
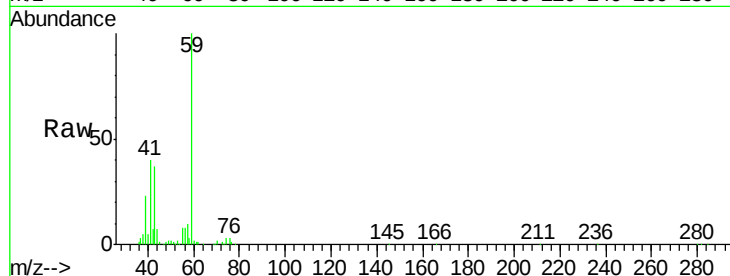
#17
 tert-Butyl alcohol
 Concen: 1.92 ppbv
 RT: 4.46 min Scan# 1049
 Delta R.T. 0.01 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
59	100		
57	11.8	8.3	12.5

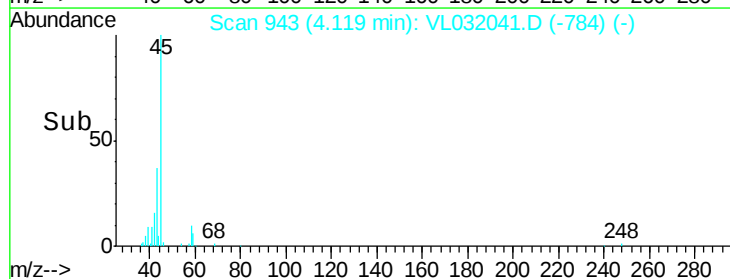
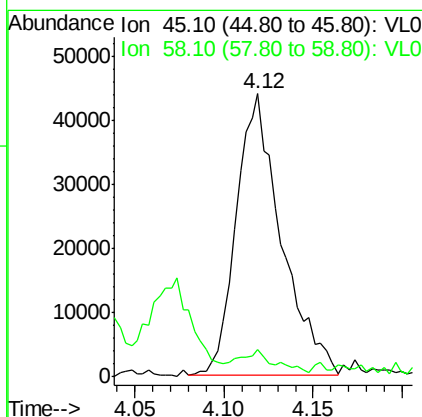
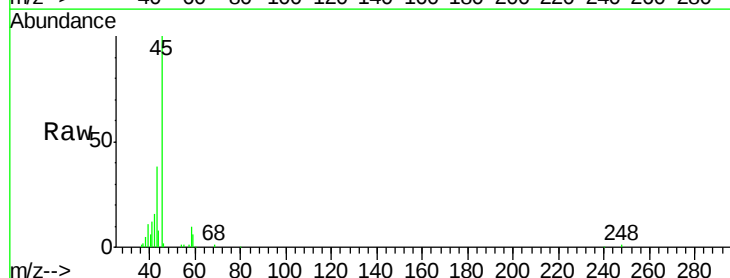
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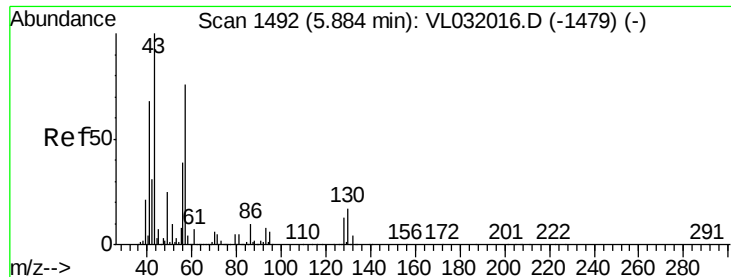
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#19
 Isopropyl Alcohol
 Concen: 0.80 ppbv
 RT: 4.12 min Scan# 943
 Delta R.T. 0.01 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

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





#26

Hexane

Concen: 0.32 ppbv m

RT: 5.89 min Scan# 1493

Delta R.T. 0.00 min

Lab File: VL032041.D

Acq: 2 Jun 2018 4:10

Instrument :

MSVOA_L

ClientSampleId :

SV1

Tot Ion: 57 Resp: 42625

Ion Ratio Lower Upper

57 100

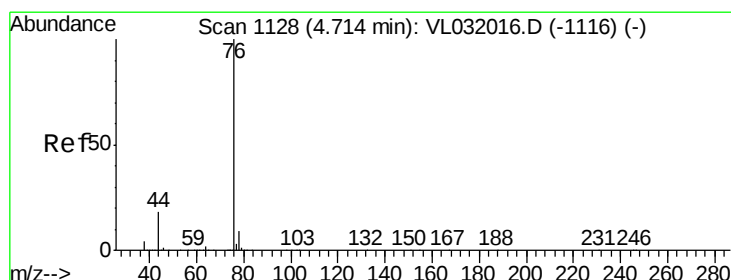
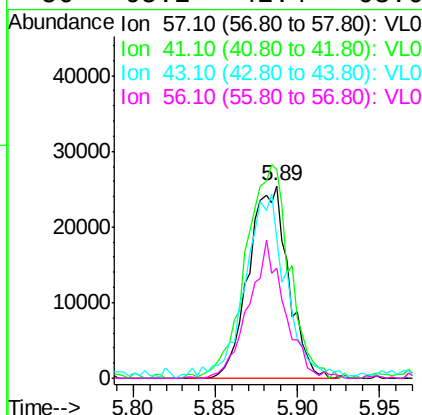
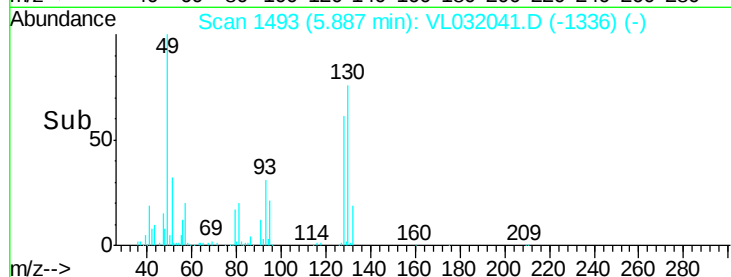
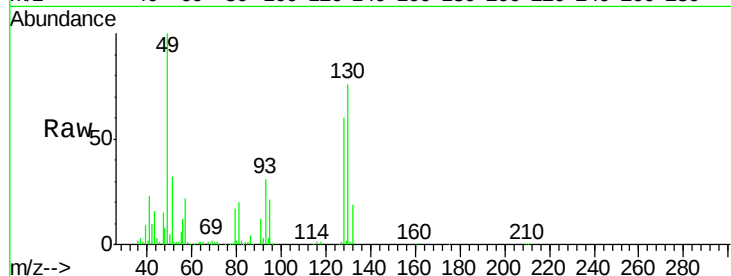
41 123.6 71.4 107.2#

43 100.3 168.6 252.8#

56 65.2 42.4 63.6#

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#27

Carbon Disulfide

Concen: 0.78 ppbv

RT: 4.72 min Scan# 1129

Delta R.T. 0.00 min

Lab File: VL032041.D

Acq: 2 Jun 2018 4:10

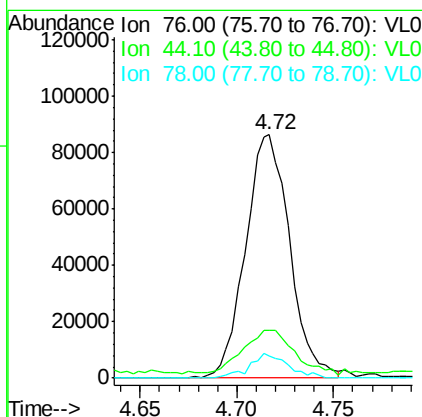
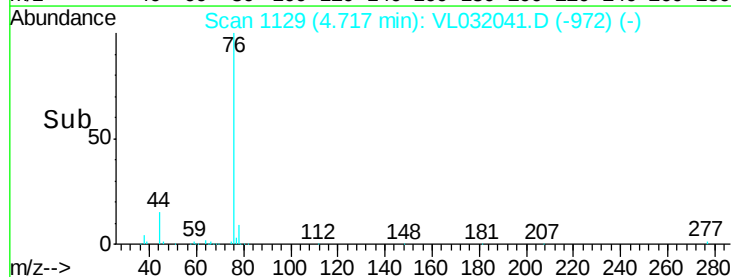
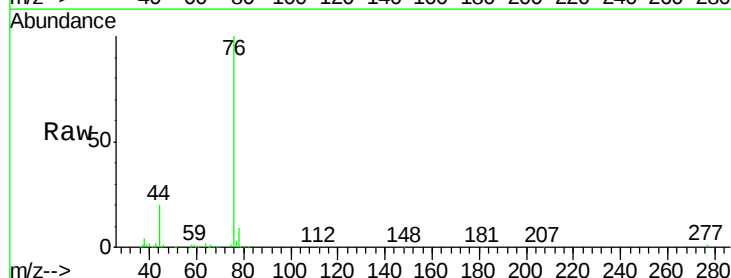
Tgt Ion: 76 Resp: 136958

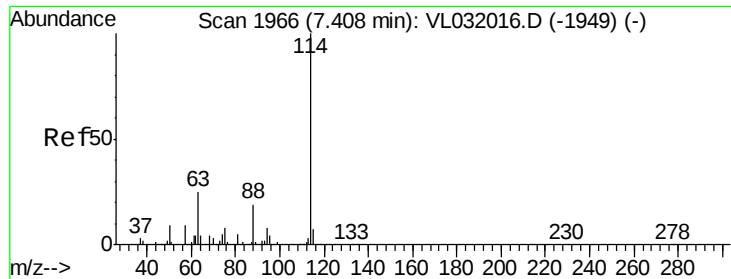
Ion Ratio Lower Upper

76 100

44 21.1 14.9 22.3

78 9.0 7.6 11.4





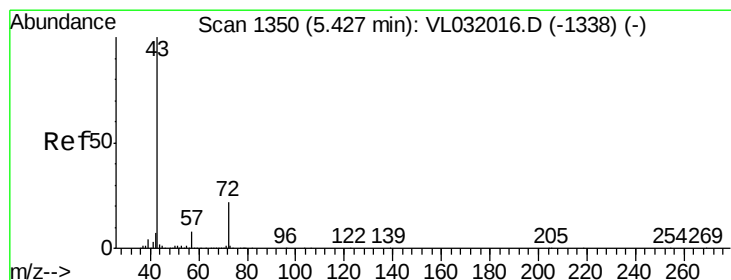
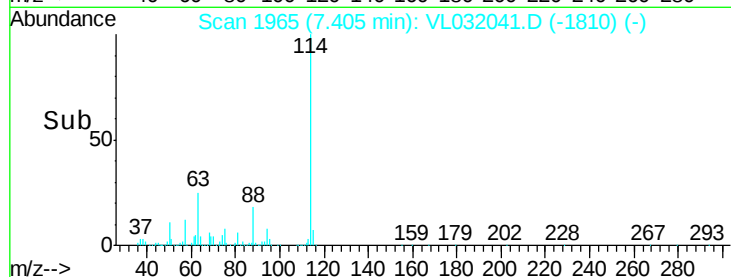
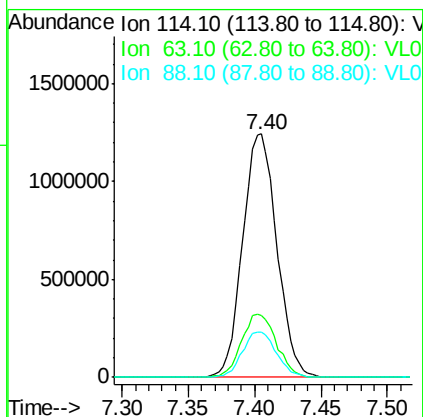
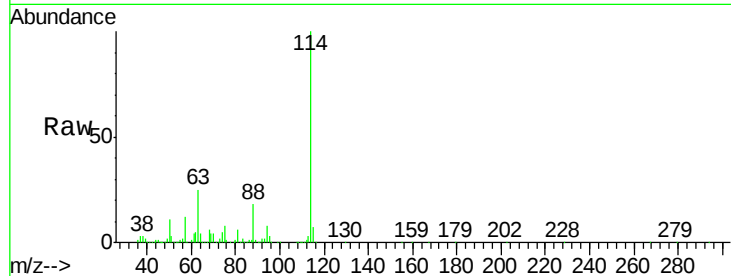
#33
 1,4-Difluorobenzene
 Concen: 10.00 ppbv
 RT: 7.40 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Instrument :
 MSVOA_L
 ClientSampleId :
 SV1

Tot Ion	Ratio	Lower	Upper
114	100		
63	26.6	21.1	31.7
88	18.6	14.8	22.2

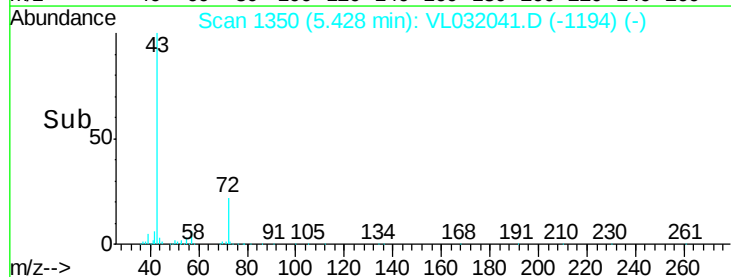
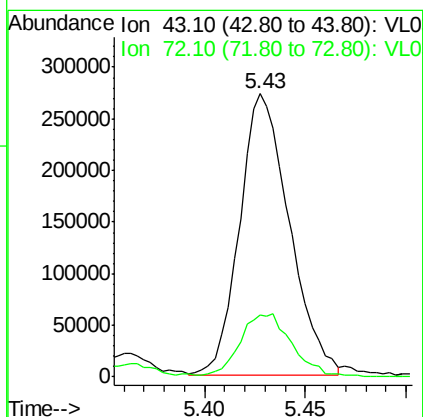
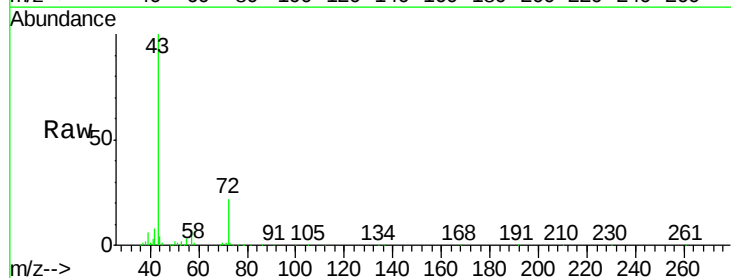
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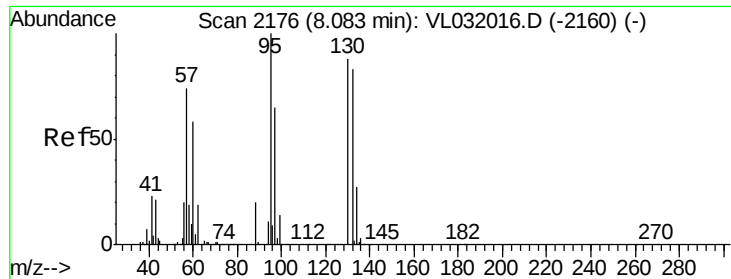
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#34
 2-Butanone
 Concen: 2.67 ppbv
 RT: 5.43 min Scan# 1350
 Delta R.T. 0.00 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Tgt Ion	Ratio	Lower	Upper
43	100		
72	23.7	18.6	27.8





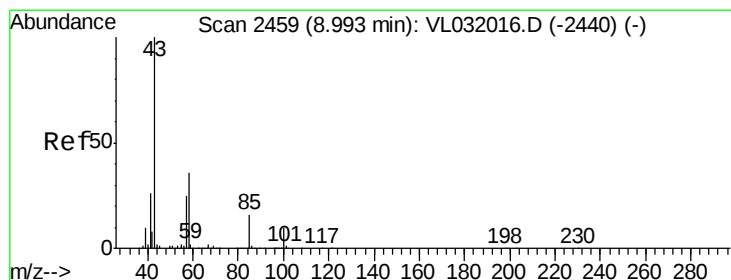
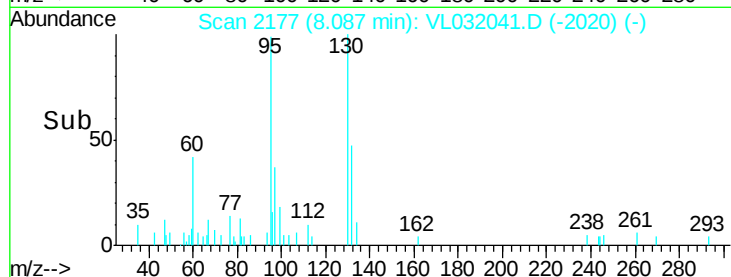
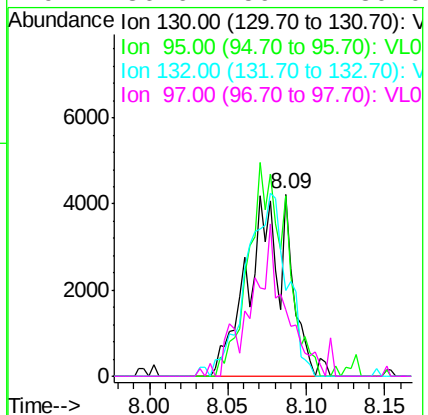
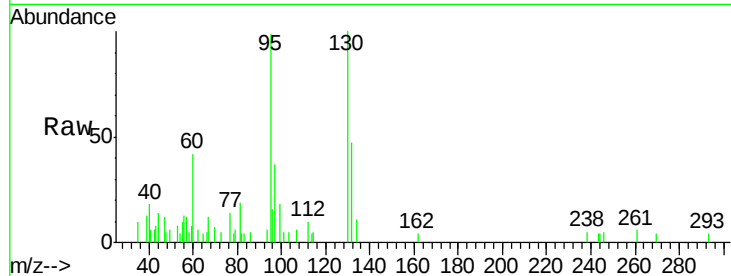
#38
 Trichloroethene
 Concen: 0.10 ppbv m
 RT: 8.09 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Instrument :
 MSVOA_L
 ClientSampled :
 SV1

Tot Ion	Ratio	Lower	Upper
130	100		
95	99.1	90.7	136.1
132	46.9	75.6	113.4#
97	36.6	59.4	89.0#

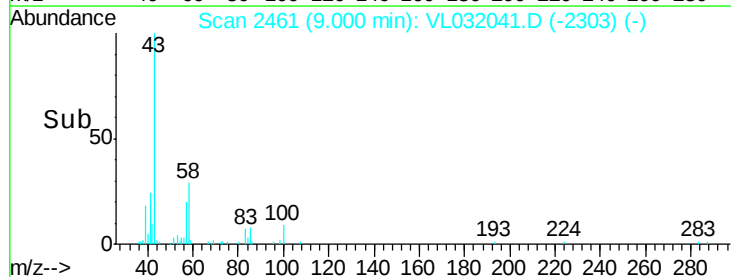
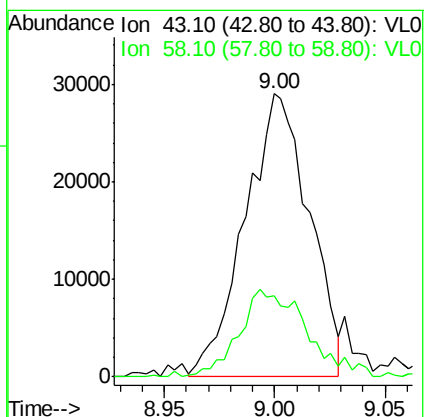
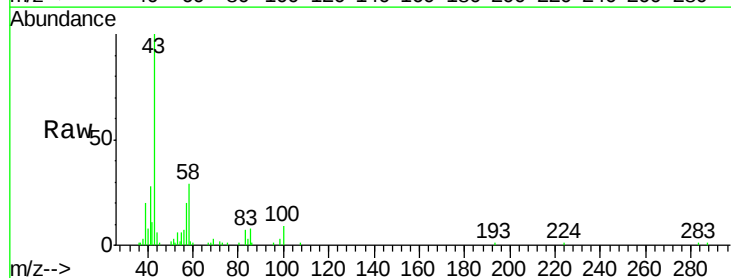
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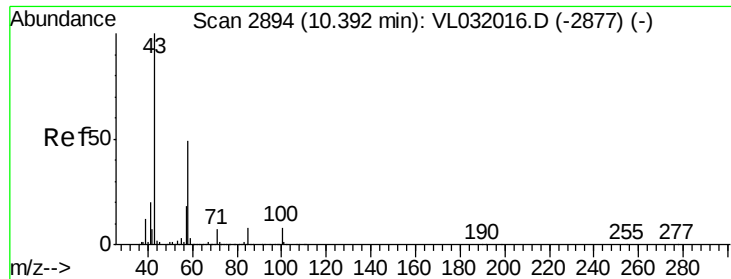
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#50
 4-Methyl-2-Pentanone
 Concen: 0.34 ppbv
 RT: 9.00 min Scan# 2461
 Delta R.T. 0.01 min
 Lab File: VL032041.D
 Acq: 2 Jun 2018 4:10

Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.8	29.1	43.7





#51

2-Hexanone

Concen: 0.36 ppbv m

RT: 10.40 min Scan# 2898

Delta R.T. 0.01 min

Lab File: VL032041.D

Acq: 2 Jun 2018 4:10

Instrument :

MSVOA_L

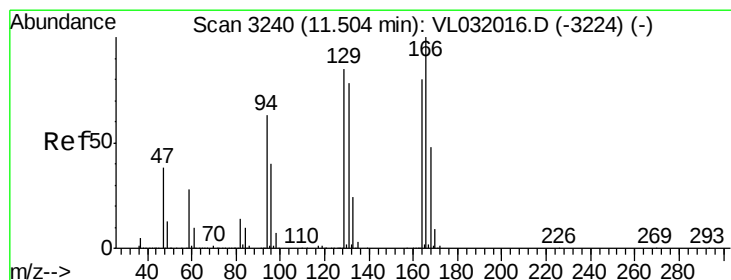
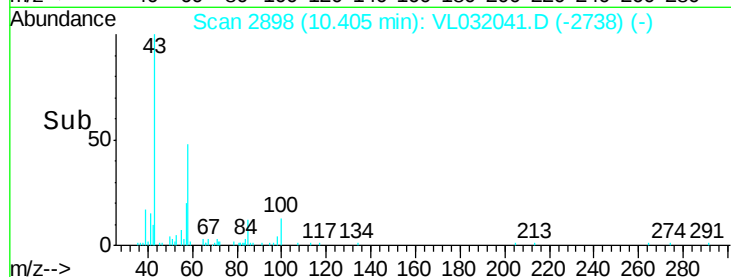
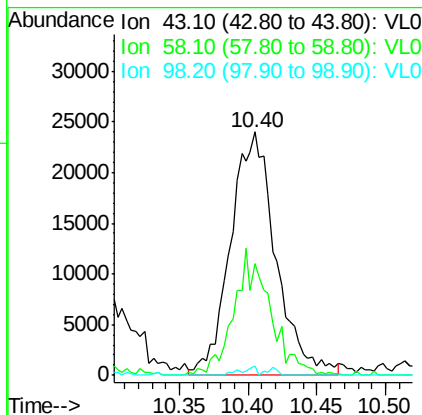
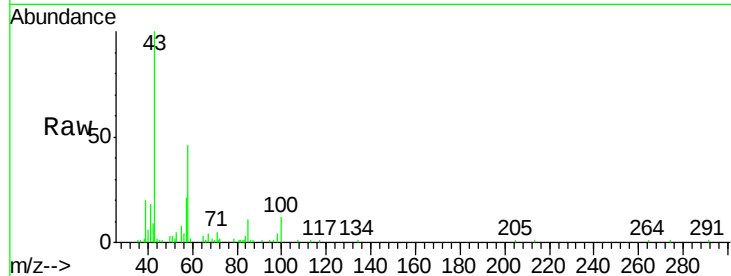
ClientSampled :

SV1

Tot Ion:	43	Resp:	55149
Ion Ratio	Lower	Upper	
43	100		
58	41.9	39.0	58.6
98	0.0	0.4	0.6#

Manual Integrations
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#52

Tetrachloroethene

Concen: 8.61 ppbv

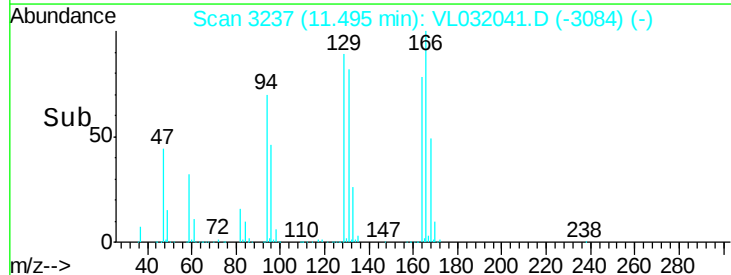
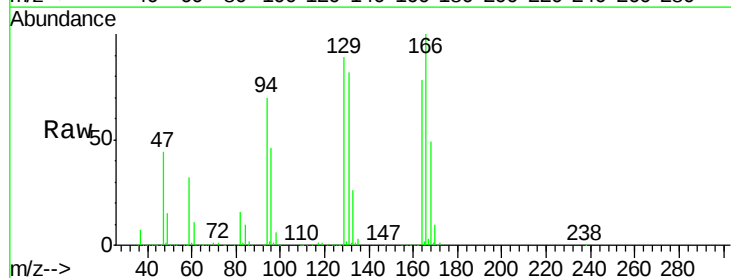
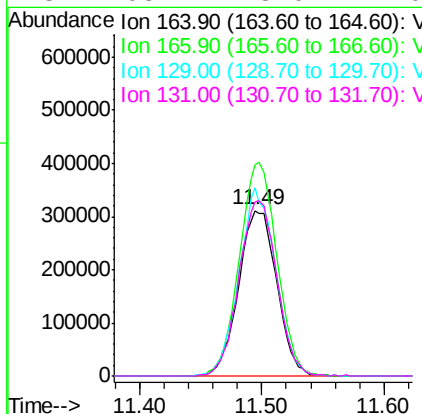
RT: 11.49 min Scan# 3237

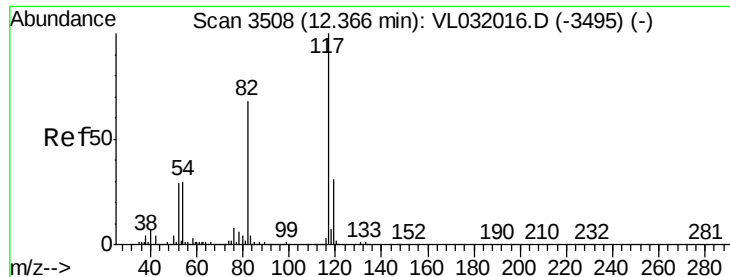
Delta R.T. -0.01 min

Lab File: VL032041.D

Acq: 2 Jun 2018 4:10

Tgt Ion:	164	Resp:	670156
Ion Ratio	Lower	Upper	
164	100		
166	128.1	100.2	150.2
129	114.3	85.4	128.0
131	105.1	78.0	117.0





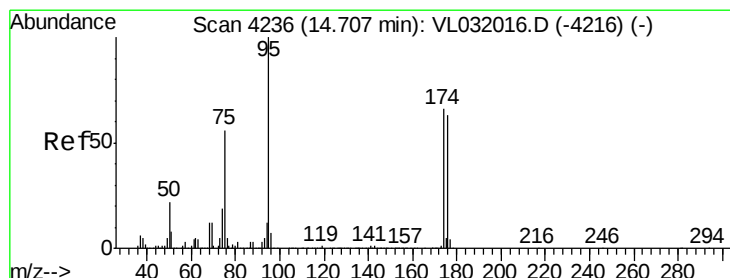
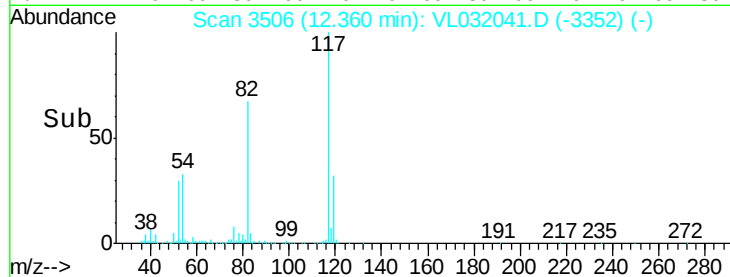
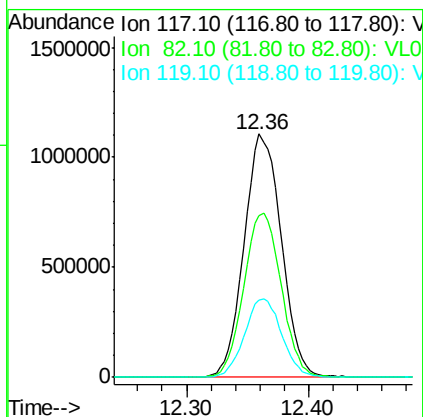
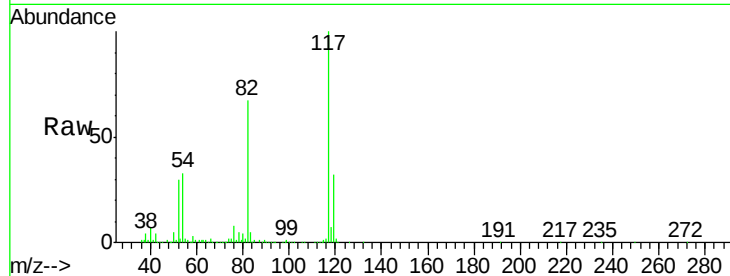
#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 12.36 min Scan# 3506
Delta R.T. -0.01 min
Lab File: VL032041.D
Acq: 2 Jun 2018 4:10

Instrument :
MSVOA_L
ClientSampled :
SV1

Tot Ion	Ratio	Lower	Upper
117	100		
82	68.2	52.7	79.1
119	32.3	25.5	38.3

Manual Integrations
APPROVED

MMDadoda
6/4/2018 3:35:57 PM



#68
1-Bromo-4-Fluorobenzene
Concen: 10.52 ppbv
RT: 14.70 min Scan# 4233
Delta R.T. -0.01 min
Lab File: VL032041.D
Acq: 2 Jun 2018 4:10

Tgt Ion	Ratio	Lower	Upper
95	100		
174	66.6	53.2	79.8
175	4.8	3.7	5.5

