

Data Path : W:\HPCHEM1\MSVOA L\DATA\VL011216\
 Data File : VL026673.D
 Acq On : 12 Jan 2016 14:02
 Operator : SY/AP
 Sample : H1064-01DL 10X
 Misc : 400mL/MSVOA L
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-01DL

Manual Integrations
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Quant Time: Jan 13 05:52:02 2016
 Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan 13 2016
 QLast Update : Mon Jan 11 17:14:02 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	6.68	49	901219	10.00	ppbv	0.04
33) 1,4-Difluorobenzene	8.35	114	2702701	10.00	ppbv	0.04
55) Chlorobenzene-d5	13.78	117	3388842	10.00	ppbv	0.05

System Monitoring Compounds

68) 1-Bromo-4-Fluorobenzene	16.32	95	2793228	10.34	ppbv	0.05
Spiked Amount	10.000	Range	65 - 135	Recovery	=	103.40%

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
3) Chlorodifluoromethane	3.59	51	51268m	0.43	ppbv	
9) Propene	3.63	41	137106m	3.18	ppbv	
10) Heptane	9.38	43	96882	0.60	ppbv	95
15) Acetone	4.64	43	425672	2.87	ppbv	99
26) Hexane	6.69	57	39574	0.33	ppbv #	55
30) Cyclohexane	8.31	84	13657m	0.12	ppbv	
34) 2-Butanone	6.25	43	17502	0.12	ppbv	92
36) Benzene	8.05	78	89978	0.32	ppbv #	92
38) Trichloroethene	9.10	130	36448	0.29	ppbv #	88
44) 2,2,4-Trimethylpentane	9.12	57	56875	0.13	ppbv #	55
53) Toluene	11.27	91	297923	0.76	ppbv	99
58) Ethyl Benzene	14.44	91	95860	0.16	ppbv	94
59) m/p-Xylene	14.72	91	316454	0.63	ppbv	98
60) o-Xylene	15.52	91	132957	0.25	ppbv	100
72) 4-Ethyltoluene	17.86	105	67100	0.11	ppbv #	95
73) 1,3,5-Trimethylbenzene	18.02	105	63267	0.11	ppbv	92
74) 1,2,4-Trimethylbenzene	18.87	105	272397	0.45	ppbv #	76

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

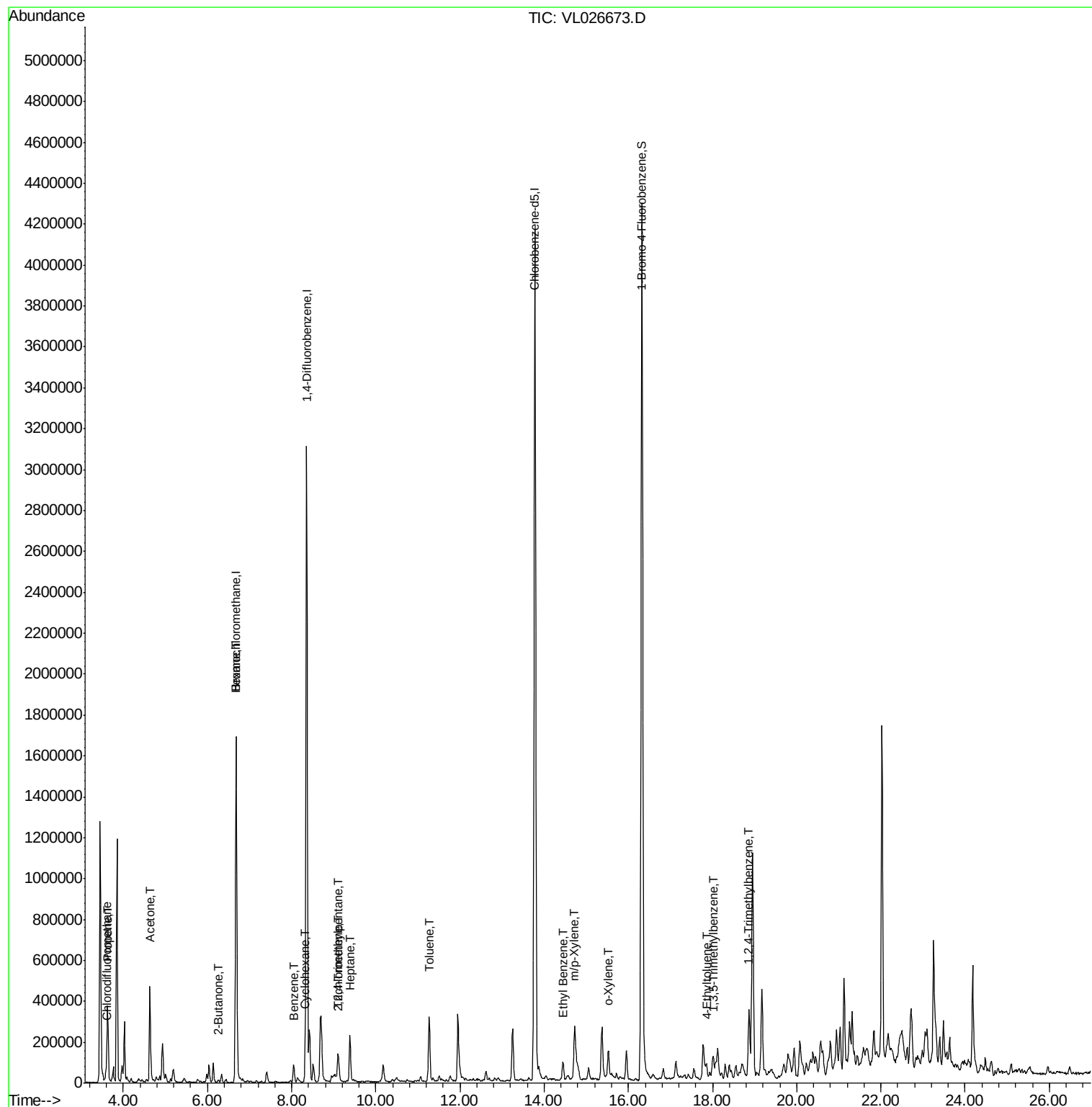
Data Path : W:\HPCHEM1\MSVOA L\DATA\VL011216\
Data File : VL026673.D
Acq On : 12 Jan 2016 14:02
Operator : SY/AP
Sample : H1064-01DL 10X
Misc : 400mL/MSVOA L
ALS Vial : 1 Sample Multiplier: 1

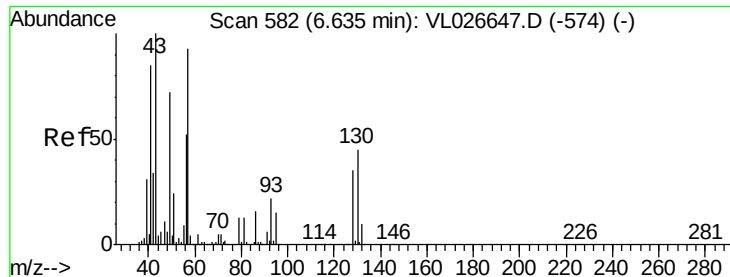
Instrument :
MSVOA_L
ClientSampled :
IA-01DL

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Quant Time: Jan 13 05:52:02 2016
Quant Method : W:\HPCHEM1\MSVOA L\METHODS\VL010816AIR.M
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA_L Mon Jan
QLast Update : Mon Jan 11 17:14:02 2016
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.00 ppbv

RT: 6.68 min Scan# 589

Delta R.T. 0.04 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Instrument :

MSVOA_L

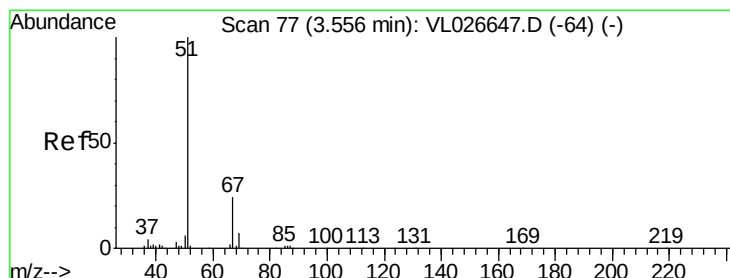
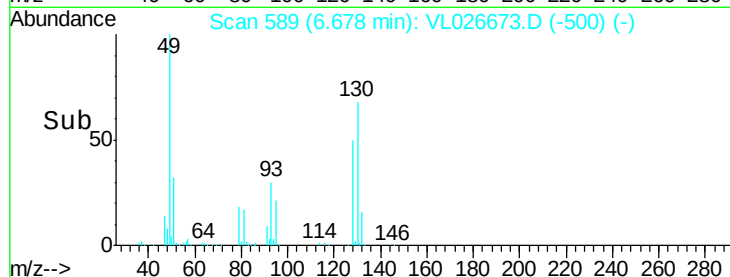
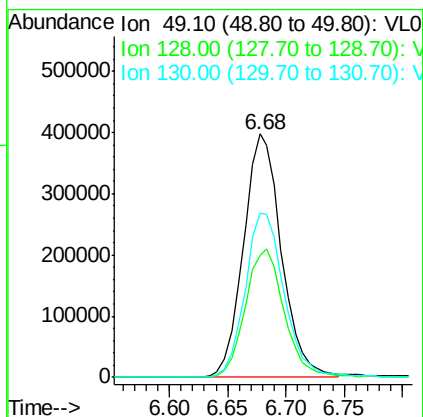
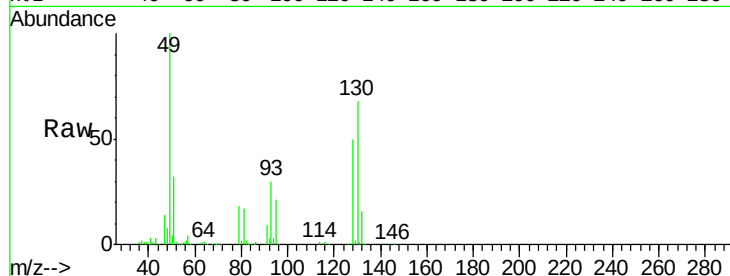
ClientSampled :

IA-01DL

Tot Ion	Ratio	Lower	Upper
49	100		
128	54.6	25.9	77.7
130	70.9	33.6	100.8

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#3

Chlorodifluoromethane

Concen: 0.43 ppbv m

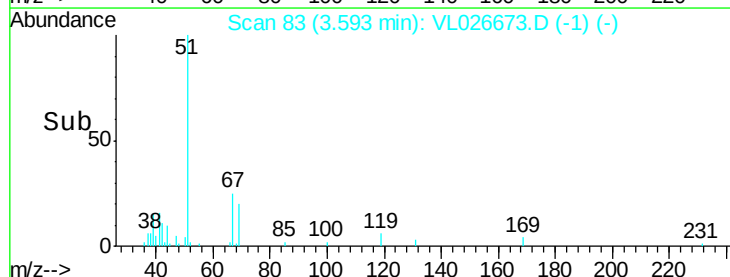
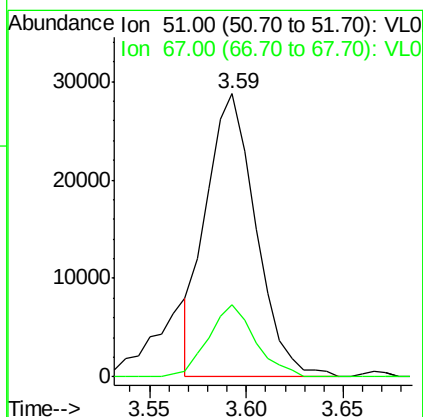
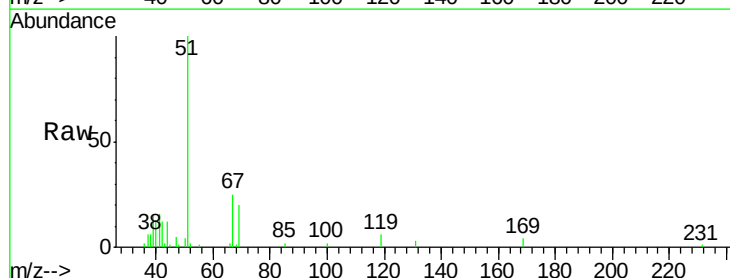
RT: 3.59 min Scan# 83

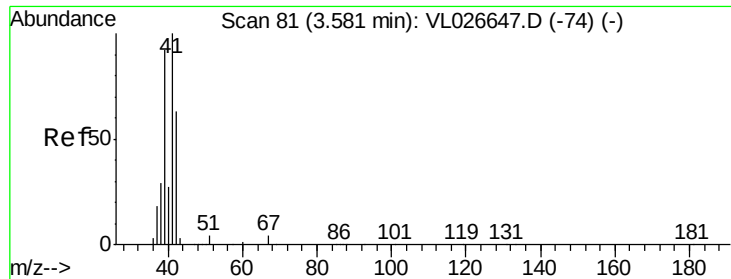
Delta R.T. 0.04 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Tgt Ion	Ratio	Lower	Upper
51	100		
67	24.1	18.6	28.0





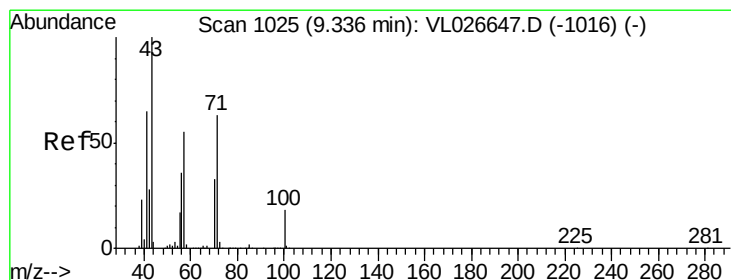
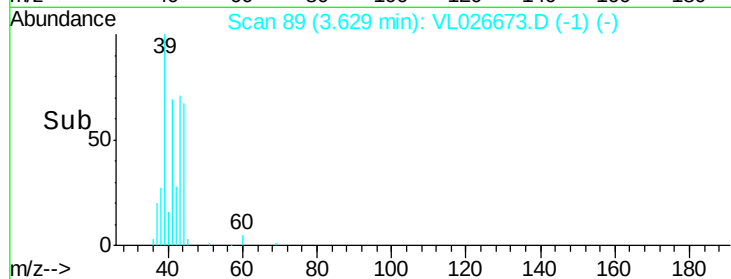
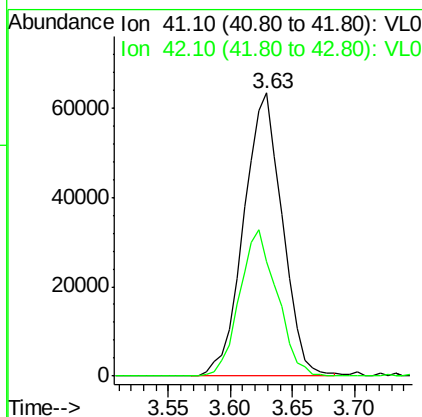
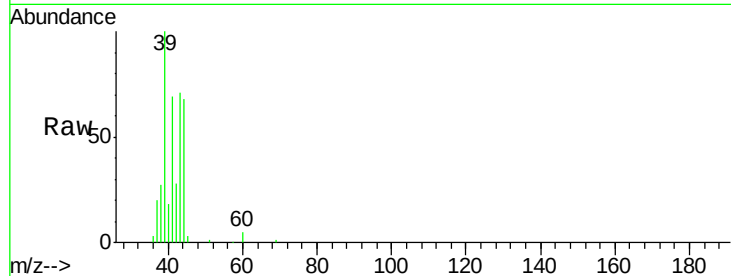
#9
 Propene
 Concen: 3.18 ppbv m
 RT: 3.63 min Scan# 89
 Delta R.T. 0.05 min
 Lab File: VL026673.D
 Acq: 12 Jan 2016 14:02

Instrument :
 MSVOA_L
 ClientSampleId :
 IA-01DL

Tot Ion	Ratio	Lower	Upper
41	100		
42	196.1	53.6	80.4#

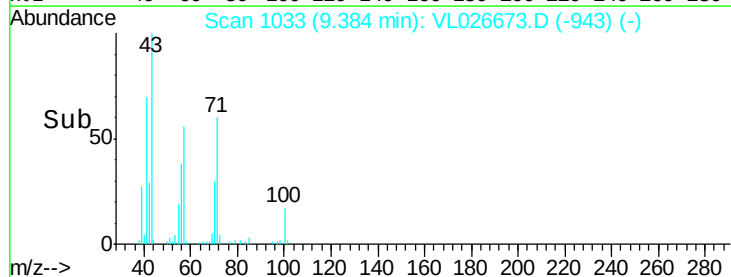
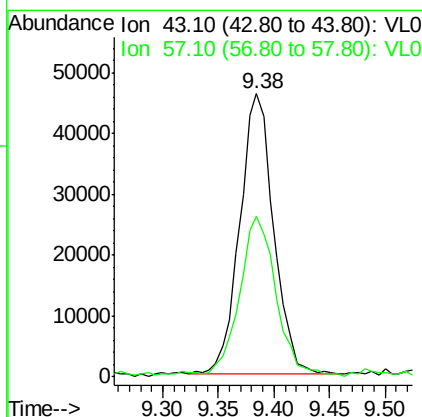
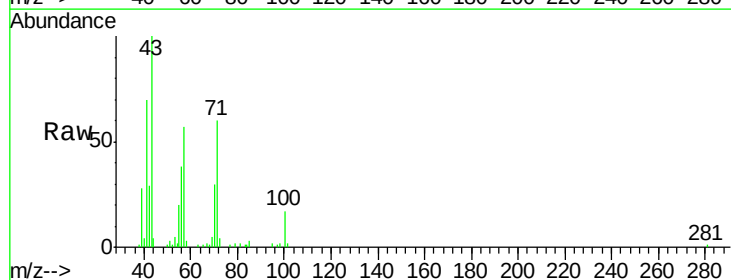
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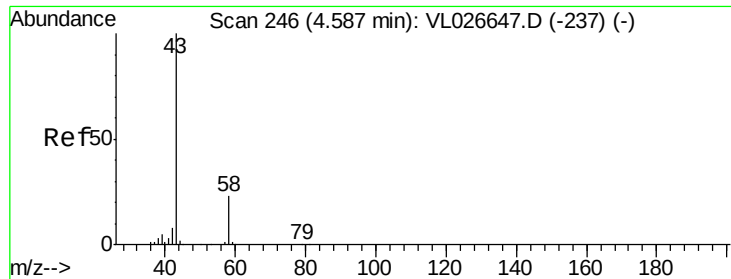
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#10
 Heptane
 Concen: 0.60 ppbv
 RT: 9.38 min Scan# 1033
 Delta R.T. 0.05 min
 Lab File: VL026673.D
 Acq: 12 Jan 2016 14:02

Tgt Ion	Ratio	Lower	Upper
43	100		
57	61.1	45.8	68.6





#15

Acetone

Concen: 2.87 ppbv

RT: 4.64 min Scan# 254

Delta R.T. 0.05 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Instrument :

MSVOA_L

ClientSampleId :

IA-01DL

Tot Ion: 43 Resp: 425672

Ion Ratio Lower Upper

43 100

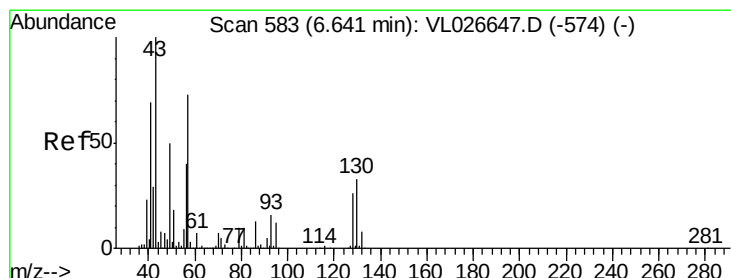
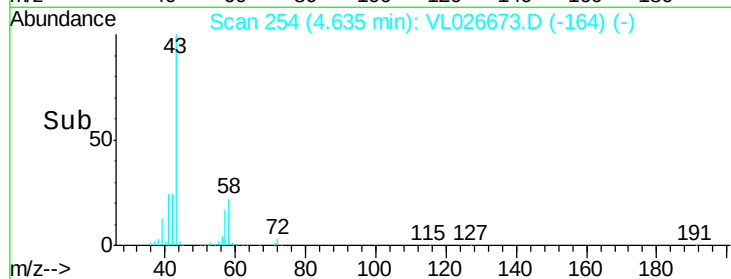
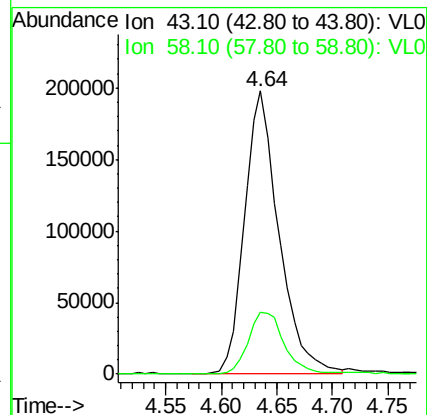
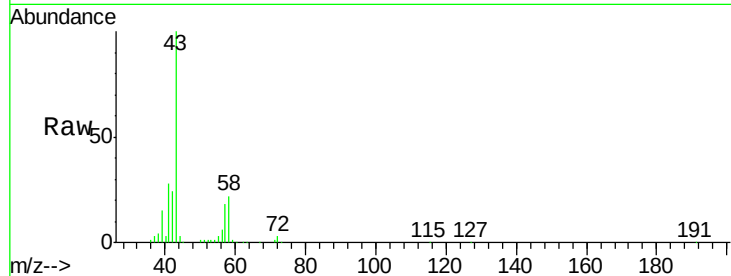
58 23.7 19.2 28.8

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#26

Hexane

Concen: 0.33 ppbv

RT: 6.69 min Scan# 591

Delta R.T. 0.05 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Tgt Ion: 57 Resp: 39574

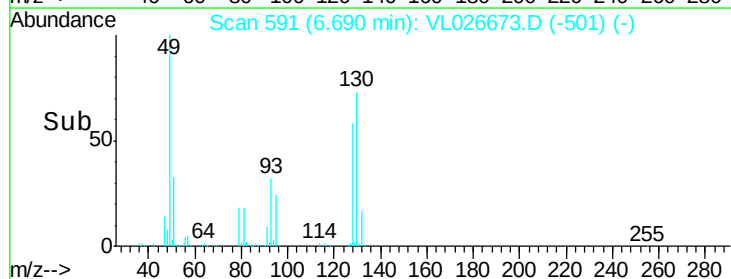
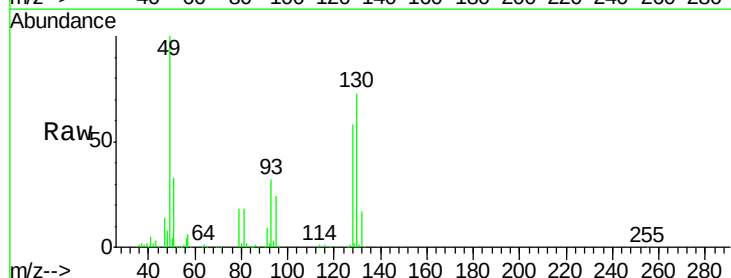
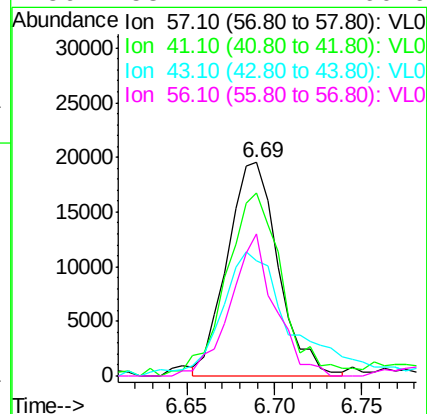
Ion Ratio Lower Upper

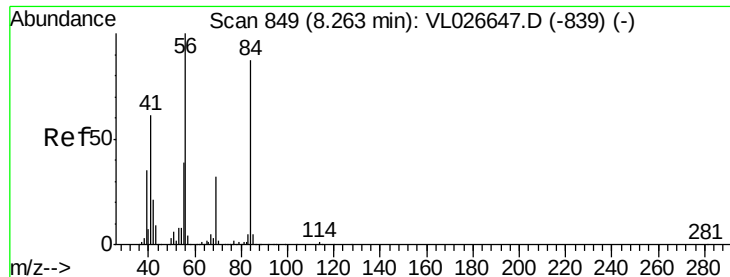
57 100

41 94.1 74.8 112.2

43 83.8 161.5 242.3#

56 58.2 44.4 66.6





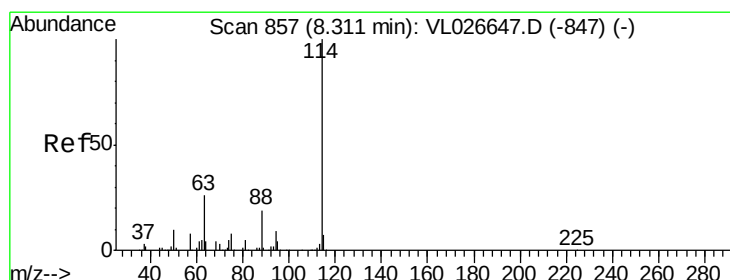
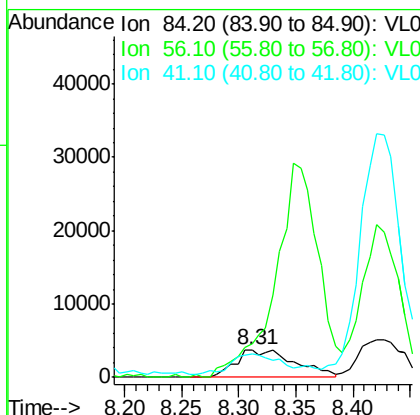
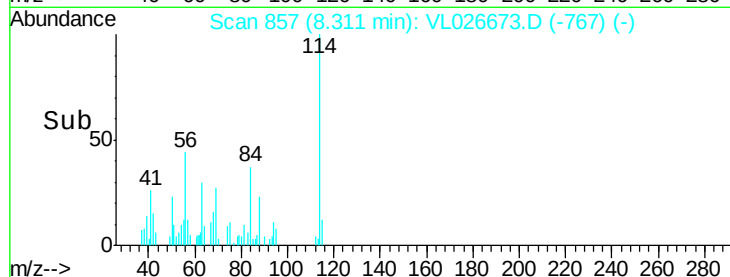
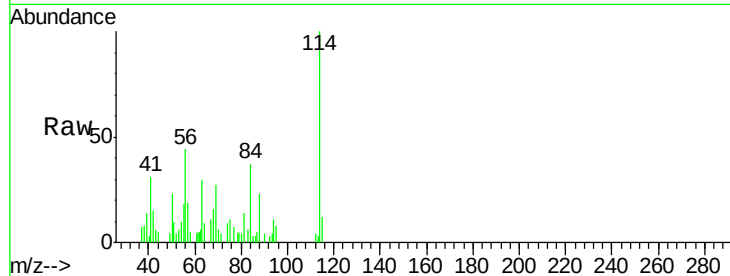
#30
Cyclohexane
Concen: 0.12 ppbv m
RT: 8.31 min Scan# 857
Delta R.T. 0.05 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Instrument :
MSVOA_L
ClientSampleId :
IA-01DL

Tot Ion	Ratio	Lower	Upper
84	100		
56	0.0	95.9	143.9#
41	53.1	54.8	82.2#

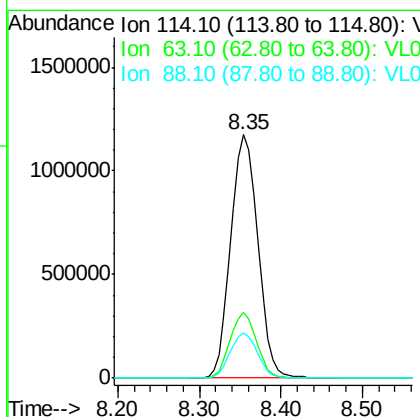
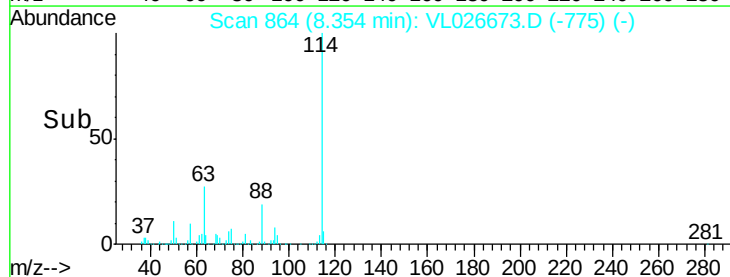
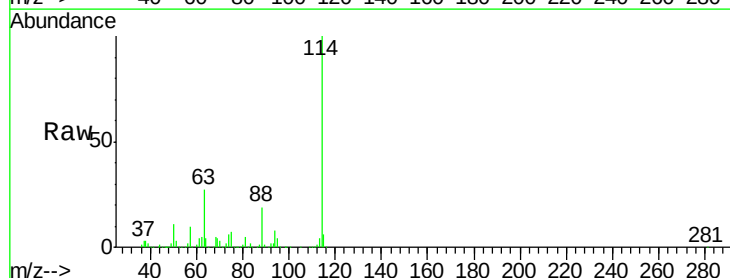
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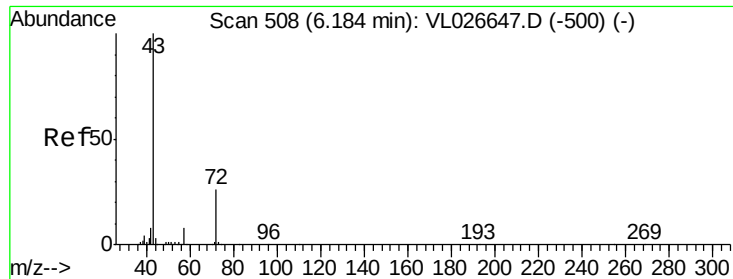
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#33
1,4-Difluorobenzene
Concen: 10.00 ppbv
RT: 8.35 min Scan# 864
Delta R.T. 0.04 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Tgt Ion	Ratio	Lower	Upper
114	100		
63	26.5	21.7	32.5
88	18.8	15.2	22.8





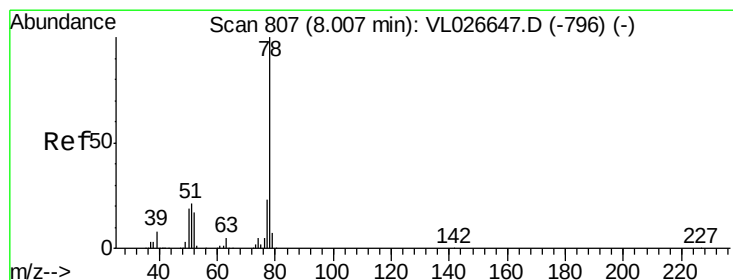
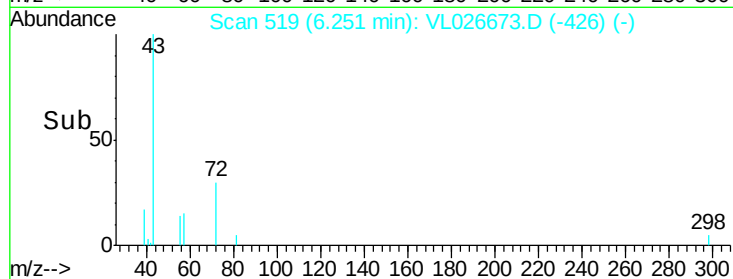
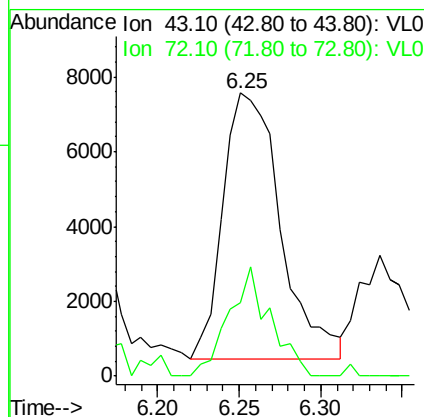
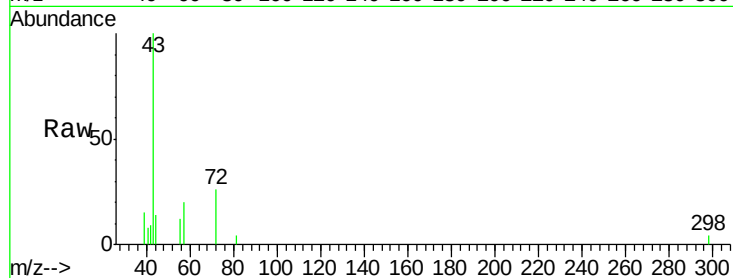
#34
2-Butanone
Concen: 0.12 ppbv
RT: 6.25 min Scan# 519
Delta R.T. 0.07 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Instrument :
MSVOA_L
ClientSampled :
IA-01DL

Tot Ion	Ratio	Lower	Upper
43	100		
72	30.1	20.9	31.3

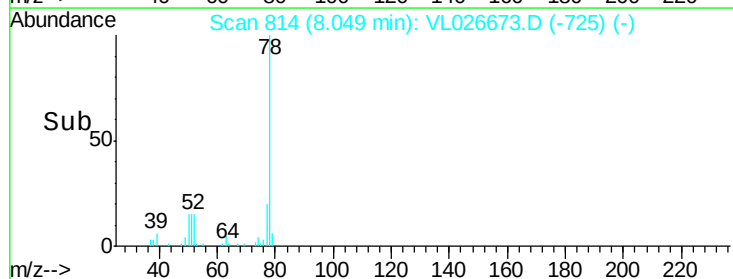
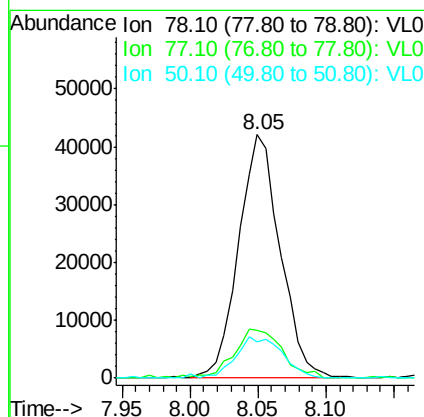
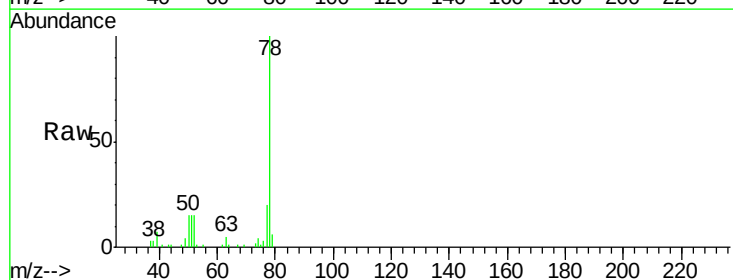
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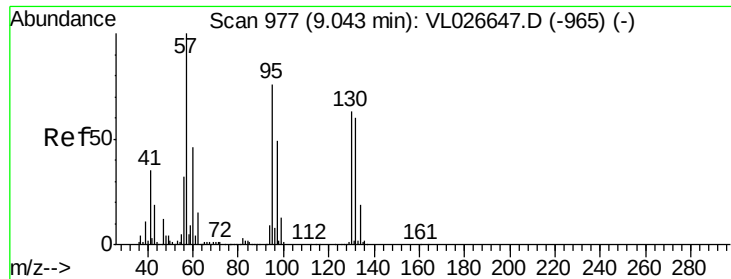
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#36
Benzene
Concen: 0.32 ppbv
RT: 8.05 min Scan# 814
Delta R.T. 0.04 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Tgt Ion	Ratio	Lower	Upper
78	100		
77	19.7	18.5	27.7
50	15.1	15.4	23.2#





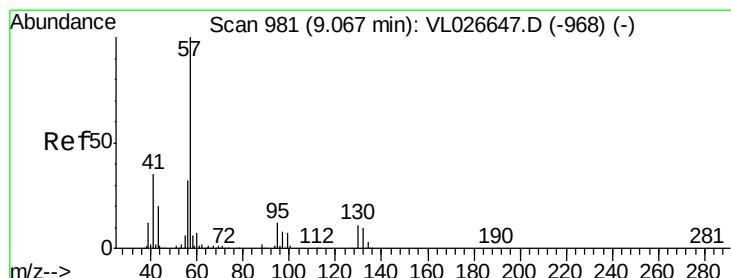
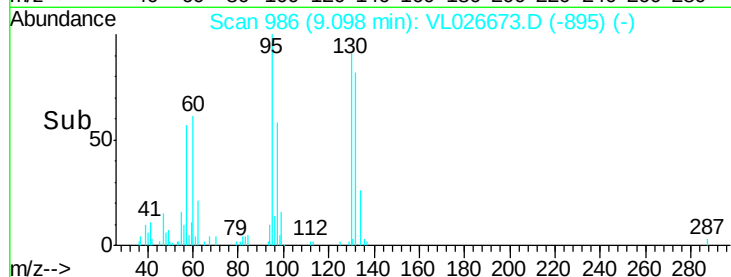
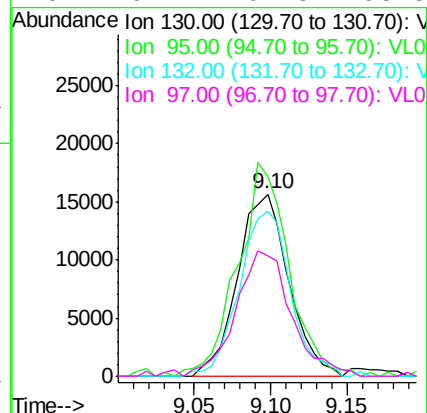
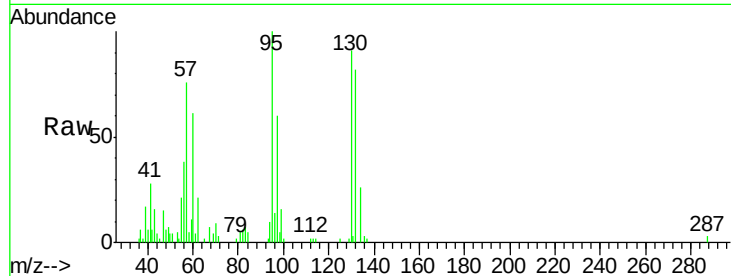
#38
 Trichloroethene
 Concen: 0.29 ppbv
 RT: 9.10 min Scan# 986
 Delta R.T. 0.05 min
 Lab File: VL026673.D
 Acq: 12 Jan 2016 14:02

Instrument :
 MSVOA_L
 ClientSampled :
 IA-01DL

Tot Ion	Ratio	Lower	Upper
130	100		
95	106.4	96.6	145.0
132	90.4	76.2	114.4
97	62.2	62.3	93.5#

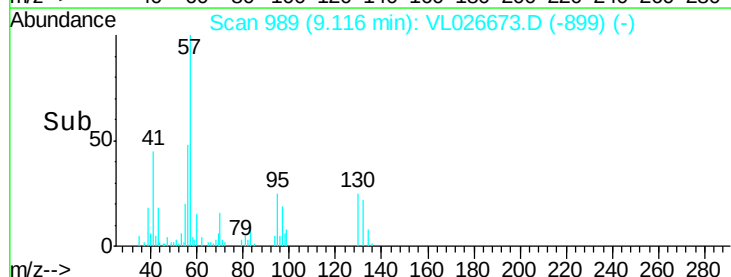
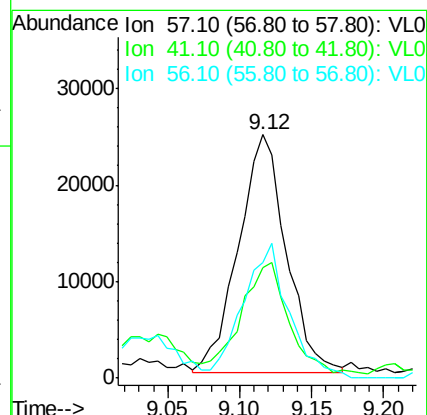
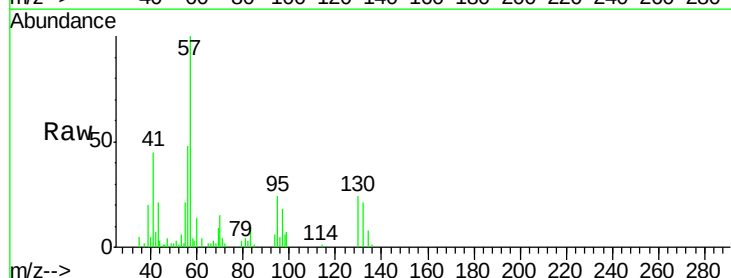
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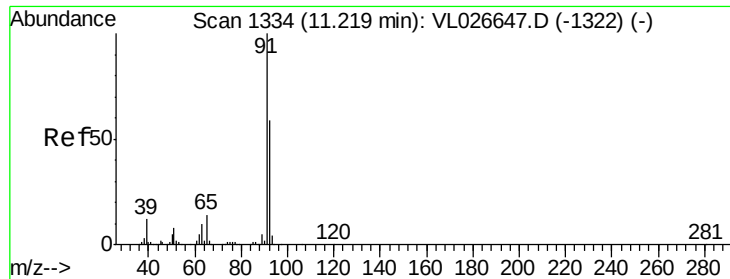
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#44
 2,2,4-Trimethylpentane
 Concen: 0.13 ppbv
 RT: 9.12 min Scan# 989
 Delta R.T. 0.05 min
 Lab File: VL026673.D
 Acq: 12 Jan 2016 14:02

Tgt Ion	Ratio	Lower	Upper
57	100		
41	61.0	26.9	40.3#
56	55.3	25.4	38.0#





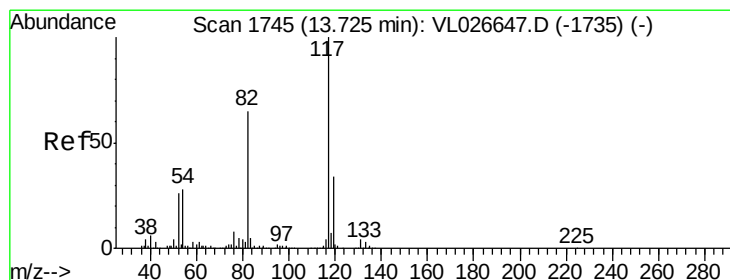
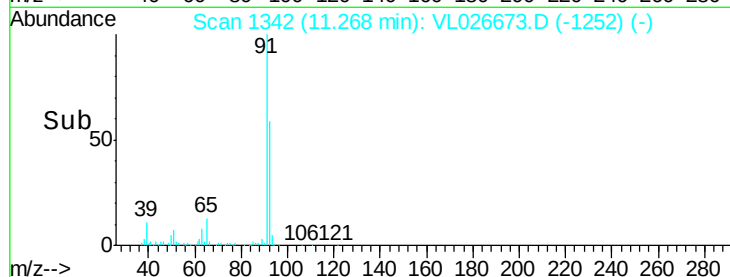
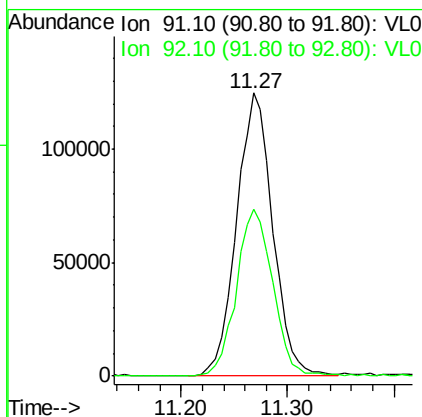
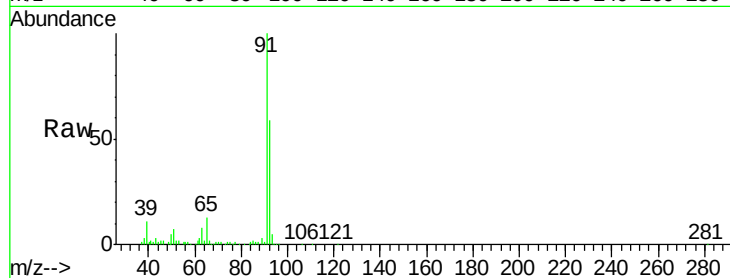
#53
Toluene
Concen: 0.76 ppbv
RT: 11.27 min Scan# 1342
Delta R.T. 0.05 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Instrument :
MSVOA_L
ClientSampled :
IA-01DL

Tot Ion: 91 Resp: 297923
Ion Ratio Lower Upper
91 100
92 59.7 48.2 72.4

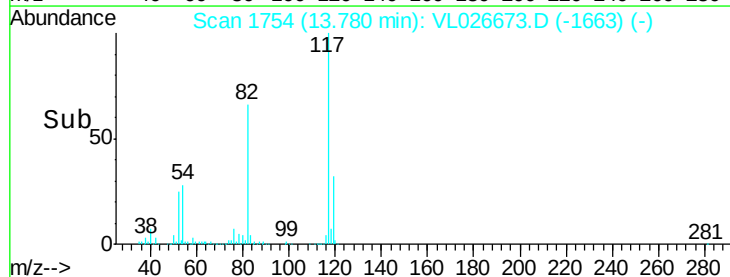
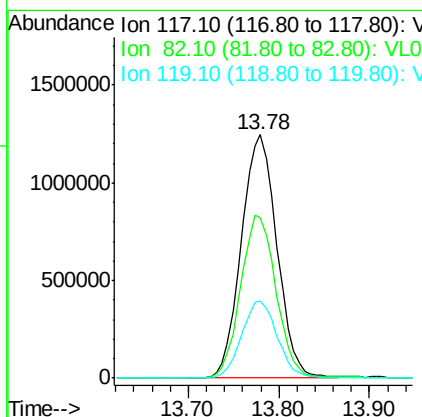
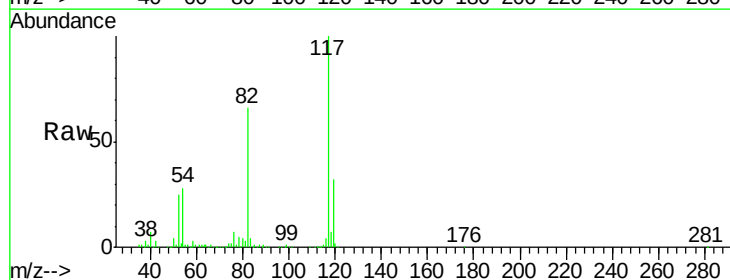
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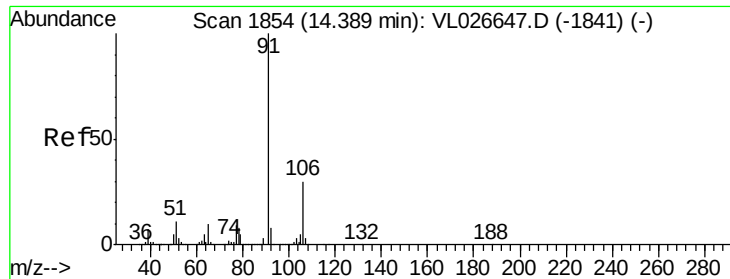
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#55
Chlorobenzene-d5
Concen: 10.00 ppbv
RT: 13.78 min Scan# 1754
Delta R.T. 0.05 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Tgt Ion: 117 Resp: 3388842
Ion Ratio Lower Upper
117 100
82 67.6 49.7 74.5
119 31.9 43.8 65.8#





#58

Ethyl Benzene

Concen: 0.16 ppbv

RT: 14.44 min Scan# 1863

Delta R.T. 0.05 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Instrument :

MSVOA_L

ClientSampleId :

IA-01DL

Tot Ion: 91 Resp: 95860

Ion Ratio Lower Upper

91 100

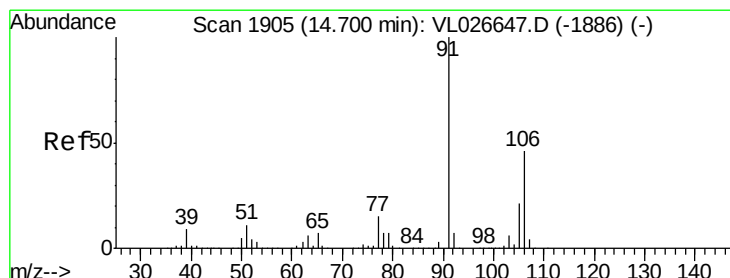
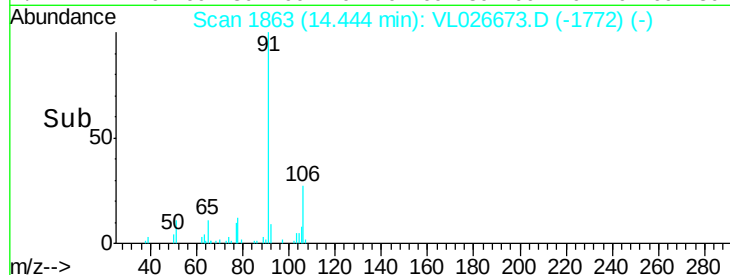
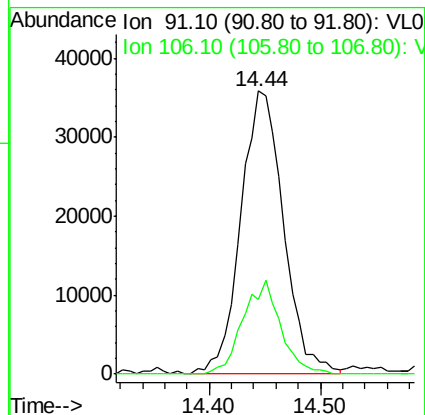
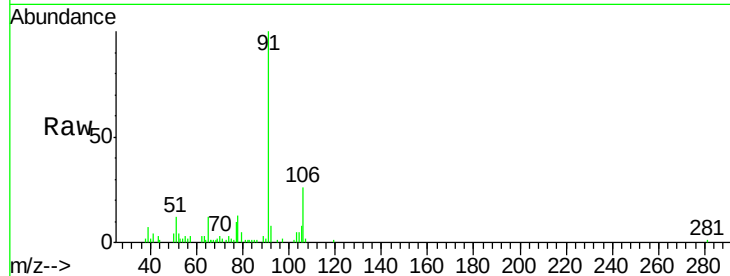
106 26.2 23.8 35.6

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#59

m/p-Xylene

Concen: 0.63 ppbv

RT: 14.72 min Scan# 1909

Delta R.T. 0.02 min

Lab File: VL026673.D

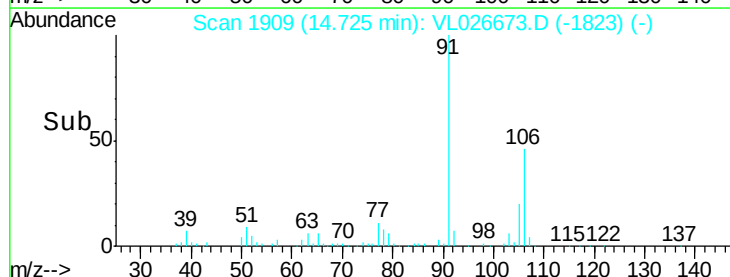
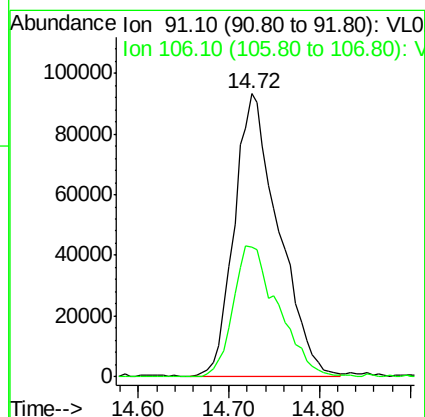
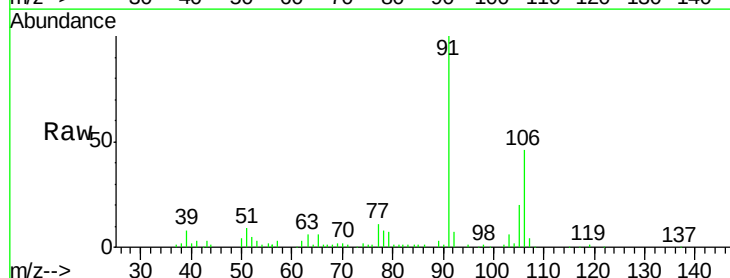
Acq: 12 Jan 2016 14:02

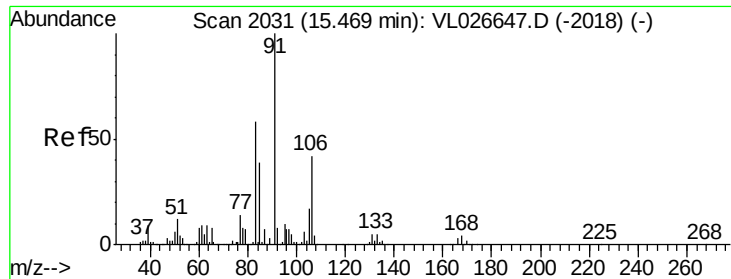
Tgt Ion: 91 Resp: 316454

Ion Ratio Lower Upper

91 100

106 46.9 36.6 55.0





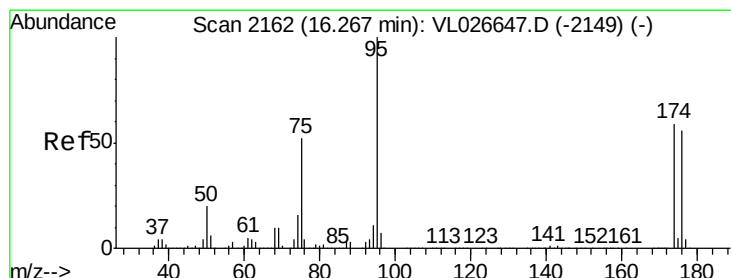
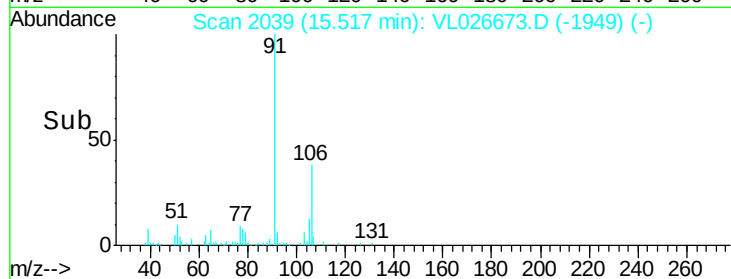
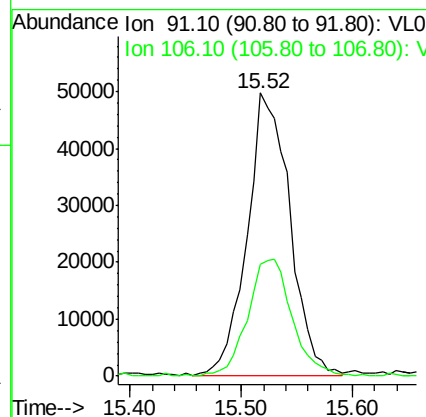
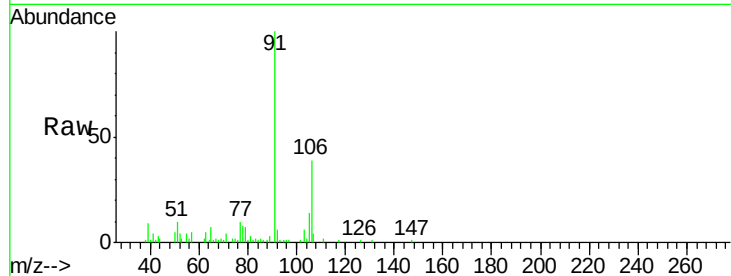
#60
o-Xylene
Concen: 0.25 ppbv
RT: 15.52 min Scan# 2039
Delta R.T. 0.05 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Instrument :
MSVOA_L
ClientSampleID :
IA-01DL

Tot Ion: 91 Resp: 132957
Ion Ratio Lower Upper
91 100
106 43.1 21.5 64.5

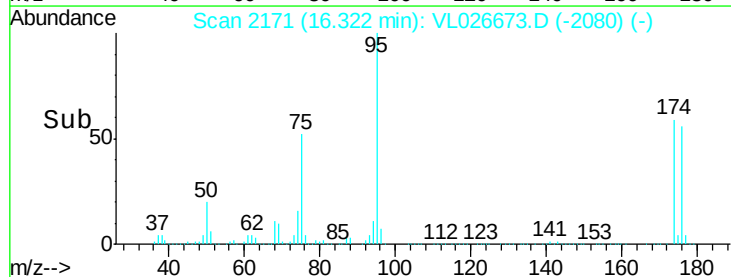
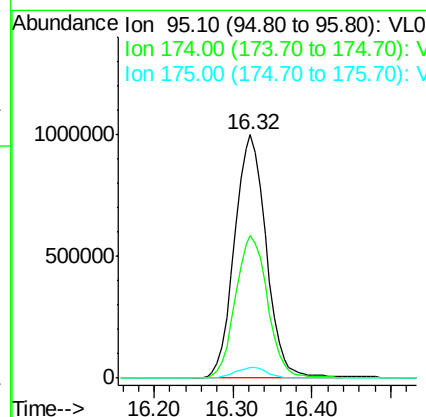
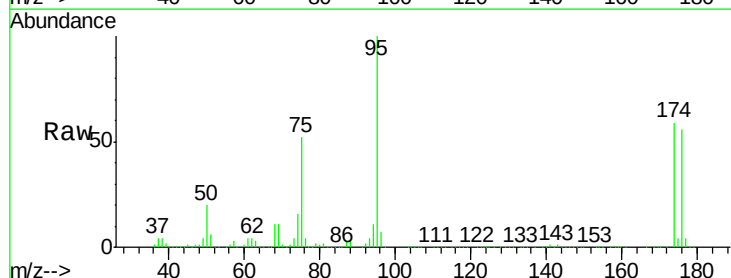
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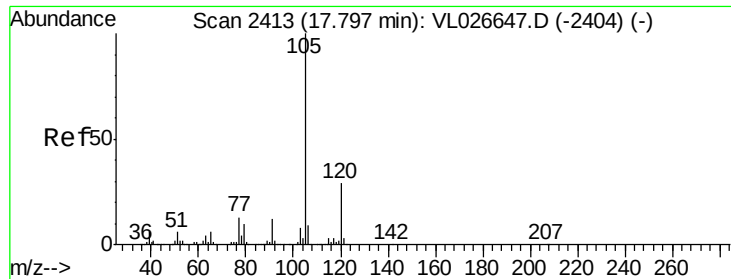
apatel
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#68
1-Bromo-4-Fluorobenzene
Concen: 10.34 ppbv
RT: 16.32 min Scan# 2171
Delta R.T. 0.05 min
Lab File: VL026673.D
Acq: 12 Jan 2016 14:02

Tgt Ion: 95 Resp: 2793228
Ion Ratio Lower Upper
95 100
174 60.0 47.8 71.8
175 4.5 3.6 5.4





#72

4-Ethyltoluene

Concen: 0.11 ppbv

RT: 17.86 min Scan# 2423

Delta R.T. 0.06 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Instrument :

MSVOA_L

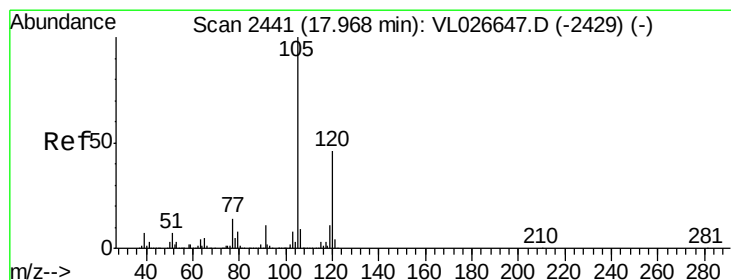
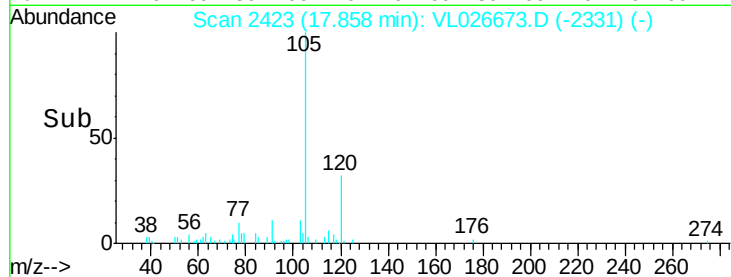
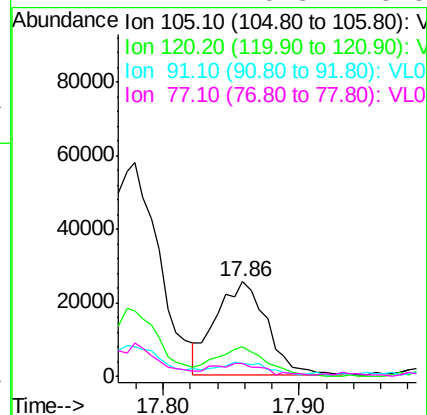
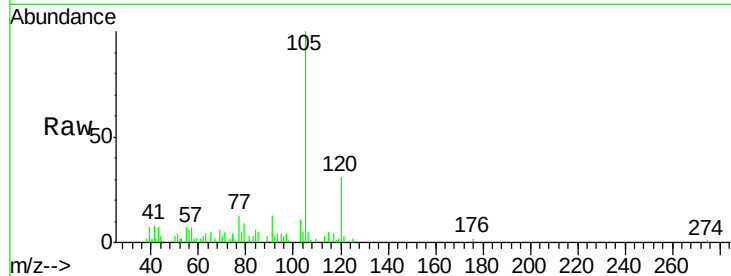
ClientSampled :

IA-01DL

Tot Ion:	105	Resp:	67100
Ion Ratio	Lower	Upper	
105	100		
120	31.4	23.7	35.5
91	15.6	9.7	14.5
77	14.7	10.3	15.5

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#73

1,3,5-Trimethylbenzene

Concen: 0.11 ppbv

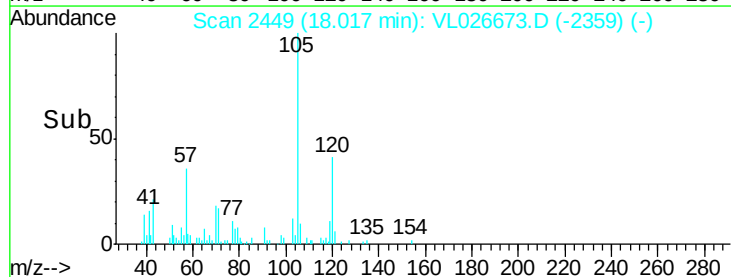
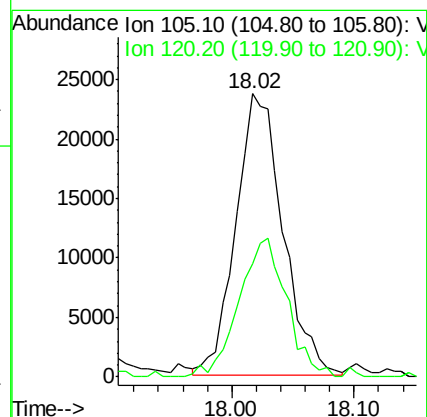
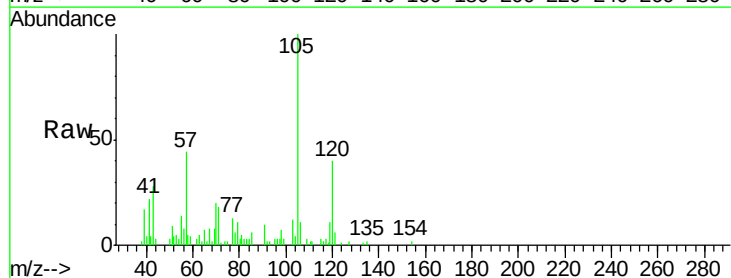
RT: 18.02 min Scan# 2449

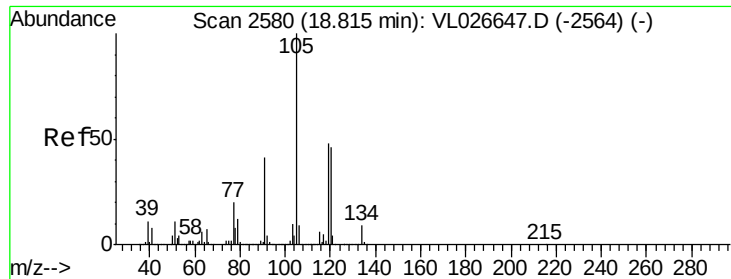
Delta R.T. 0.05 min

Lab File: VL026673.D

Acq: 12 Jan 2016 14:02

Tgt Ion:	105	Resp:	63267
Ion Ratio	Lower	Upper	
105	100		
120	40.7	36.6	54.8





#74

1,2,4-Trimethylbenzene

Concen: 0.45 ppbv

RT: 18.87 min Scan# 2589

Delta R.T. 0.05 min

Lab File: VL026673.D

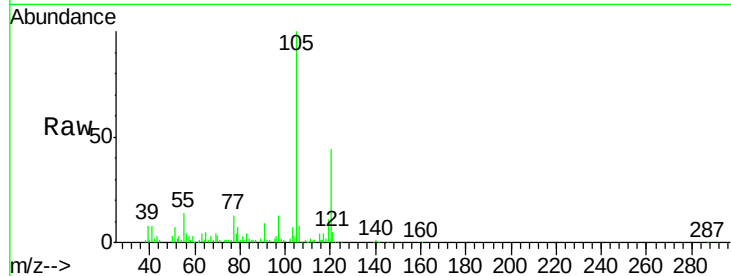
Acq: 12 Jan 2016 14:02

Instrument :

MSVOA_L

ClientSampleId :

IA-01DL



Tot Ion	Ratio	Resp Lower	Upper
105	100		
120	44.4	36.6	55.0
91	8.4	32.5	48.7#
77	12.2	15.7	23.5#

Manual Integrations
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